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Agriculture

Forest  
Service

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# Amendment to the Inventoried Roadless Areas Report

## Westside Fire Recovery Project

Happy Camp Oak Knoll and Salmon/Scott River Ranger Districts,  
Klamath National Forest  
Siskiyou County, California

For Information Contact: Peg Boland  
Northern California Resource Center  
530-598-8355

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## **I. Summary of Modifications between Draft and Final EIS**

Changes between draft and final EIS to inventoried roadless areas (IRAs) are minor because the proposed types of treatments within IRAs remained the same and acres vary only slightly. Modified alternative 2 proposes the same types of acres of treatments as alternatives 2, 3, and 4. Modified alternative 3 proposes about 10 fewer IRA acres of site preparation and planting, 45 fewer acres of roadside hazard treatment, and 80 more acres of fuels treatment, than alternatives 2, 3, 4, and modified alternative 2. The number of acres that may be affected by roadside hazard treatments (acres evaluated) has been added to all tables for the final EIS. The percentage of IRAs that burned at moderate to high severity has been added to the affected environment.

## **II. Environmental Consequences of Modified Alternatives**

### **Modified Alternative 2**

The following is information on the affected environment for IRAs displayed by fire-related project area. Project area A (Beaver fire) does not include any IRAs so no information is available for that area. The displayed information is for project area B (Happy Camp complex fires) and project area C (Whites fire). As in the IRA resource report for the DEIS, acres retaining roadless character were determined in 1994 for the FEIS accompanying the Forest Plan; no changes in roadless character are evident since then.

#### ***Methods***

The methods used for this analysis can be found in detail in the Inventoried Roadless Area (IRA) Report.

#### ***Environmental Consequences***

##### **Project Area B: Happy Camp Complex**

###### ***Direct Effects and Indirect Effects***

Same as for alternatives 2, 3 and 4 as described below.

###### ***Cumulative Effects***

Same as for alternatives 2, 3 and 4 as described below.

##### **Project Area C: Whites Fire**

###### ***Direct Effects and Indirect Effects***

Same as for alternatives 2, 3 and 4 as described below.

###### ***Cumulative Effects***

Same as for alternatives 2, 3 and 4 as described below.

#### ***Compliance with Law, Policy, Regulation and the Forest Plan***

This alternative is compliant with applicable law, policy, regulation and the Forest Plan.

### **Modified Alternative 3**

The following is information on the affected environment for IRAs displayed by fire-related project area. Project area A (Beaver fire) does not include any IRAs so no information is available for that area. The displayed information is for project area B (Happy Camp complex fires) and project area C (Whites fire).

## **Methods**

The methods used for this analysis can be found in detail in the Inventoried Roadless Area (IRA) Report.

## **Environmental Consequences**

### **Project Area B: Happy Camp Complex**

#### *Direct Effects and Indirect Effects*

Differences from alternative 2 are based on a smaller number of acres in site preparation and planting as displayed in table A-8.

#### *Cumulative Effects*

Cumulative effects are the same as for alternative 2.

### **Project Area C: Whites Fire**

#### *Direct Effects and Indirect Effects*

Differences from alternative 2 are based on a smaller number of acres in site preparation and planting as displayed in table A-9.

#### *Cumulative Effects*

Cumulative effects are the same as for alternative 2.

### **Compliance with Law, Policy, Regulation and the Forest Plan**

This alternative is compliant with applicable law, policy, regulation and the Forest Plan.

## **III. Modification of Environmental Consequences by Fire Area since the Draft EIS**

Although the maximum acreage that may be treated by roadside hazard activities is added to the tables of activities in each IRA, there are no changes to the effects of alternatives on the roadless character of IRAs.

### **Affected Environment**

The following is information on the affected environment for Inventoried Roadless Areas displayed by fire-related project area. Project area A (Beaver fire) does not include any IRAs so the display is by project area B (Happy Camp Complex fires) and project area C (Whites fire). As in the IRA resource report for the DEIS, acres retaining roadless character were determined in 1994 for the FEIS accompanying the Forest Plan; no changes in roadless character are evident since then.

**Table A-1: Acres within each IRA, and within the portions of each IRA that retain roadless character and percentage of acres that burned at moderate to high severity**

<b>IRA</b>	<b>Total Acres of IRA within project area</b>	<b>Percentage of burned acres that burned at moderate to high severity</b>	<b>Acres that retain roadless character</b>	<b>Percentage of burned acres that retain roadless character that burned at moderate to high severity</b>	<b>Acres that do not retain roadless character</b>	<b>Percentage of burned acres that do not retain roadless character that burned at moderate to high severity</b>
<b>Grider</b>	<b>10,640</b>	<b>57%</b>	<b>10,640</b>	<b>57%</b>	<b>0</b>	<b>0%</b>
<b>Johnson</b>	<b>4,900</b>	<b>22%</b>	<b>3,970</b>	<b>20%</b>	<b>930</b>	<b>28%</b>
<b>Kelsey</b>	<b>3,230</b>	<b>16%</b>	<b>510</b>	<b>23%</b>	<b>2,720</b>	<b>15%</b>
<b>Russian</b>	<b>13,540</b>	<b>34%</b>	<b>11,910</b>	<b>34%</b>	<b>1,630</b>	<b>30%</b>
<b>Snoozer</b>	<b>9,250</b>	<b>43%</b>	<b>9,250</b>	<b>43%</b>	<b>0</b>	<b>0%</b>
<b>Tom Martin</b>	<b>9,050</b>	<b>47%</b>	<b>5,650</b>	<b>53%</b>	<b>3,400</b>	<b>35%</b>
<b>TOTAL</b>	<b>50,610</b>	<b>41%</b>	<b>41,930</b>	<b>44%</b>	<b>8,680</b>	<b>27%</b>

**Project Area B: Happy Camp Complex**

**Table A-2: Acres within each IRA, and within the portions of each IRA that retain roadless character, and percentage of acres that burned at moderate to high severity, for project area B (Happy Camp fires)**

<b>IRA</b>	<b>Total Acres of IRA within project area</b>	<b>Percentage of burned acres that burned at moderate to high severity</b>	<b>Acres that retain roadless character</b>	<b>Percentage of burned acres that retain roadless character that burned at moderate to high severity</b>	<b>Acres that do not retain roadless character</b>	<b>Percentage of burned acres that do not retain roadless character that burned at moderate to high severity</b>
<b>Grider</b>	<b>10,640</b>	<b>57%</b>	<b>10,640</b>	<b>57%</b>	<b>0</b>	<b>0%</b>
<b>Johnson</b>	<b>4,900</b>	<b>22%</b>	<b>3,970</b>	<b>20%</b>	<b>930</b>	<b>28%</b>
<b>Kelsey</b>	<b>3,230</b>	<b>16%</b>	<b>510</b>	<b>23%</b>	<b>2,720</b>	<b>15%</b>
<b>Tom Martin</b>	<b>9,050</b>	<b>47%</b>	<b>5,650</b>	<b>53%</b>	<b>3,400</b>	<b>35%</b>
<b>TOTAL</b>	<b>27,820</b>	<b>43%</b>	<b>20,770</b>	<b>49%</b>	<b>7,050</b>	<b>26%</b>

## Project Area C: Whites Fire

Table A-3: Acres within each IRA, and within the portions of each IRA that retain roadless character, and percentage of acres that burned at moderate to high severity, for project area C (Whites fire)

IRA	Total Acres of IRA within project area	Percentage of burned acres that burned at moderate to high severity	Acres that retain roadless character	Percentage of burned acres that retain roadless character that burned at moderate to high severity	Acres that do not retain roadless character	Percentage of burned acres that do not retain roadless character that burned at moderate to high severity
Russian	13,540	34%	11,910	34%	1,630	30%
Snoozer	9,250	43%	9,250	43%	0	0%
<b>TOTAL</b>	<b>22,790</b>	<b>37%</b>	<b>21,160</b>	<b>38%</b>	<b>1,630</b>	<b>30%</b>

## Environmental Consequences

None of the environmental effects on inventoried roadless area character have changed because no treatment acres in inventoried roadless areas have changed since the draft EIS. The following tables separate out effects to IRAs into the two fire-identified project areas in which IRAs are present (Happy Camp complex and Whites fires). Fuels treatments, roadside hazard treatments, site preparation and planting that occur within areas that retain roadless character have the potential to affect roadless character and are reported in the following tables.

### **Alternatives 2, modified 2, 3, and 4**

## Project Area B: Happy Camp Complex

### *Direct Effects and Indirect Effects*

About 207 acres of fuels treatment, 121 acres of site preparation and planting, and 74 acres of roadside hazard treatments have the potential to affect roadless character. Project design features requiring hand treatments for site preparation and planting mitigate negative effects of these treatments on roadless character. There is general agreement among resource specialists that fuels treatments will not negatively affect roadless character. Roadside hazard treatments, and site preparation and planting, occur primarily within parts of IRAs that did not retain roadless character in 1995. The small number of acres of roadside hazard treatments within parts of IRAs that did retain roadless character is along roads that are adjacent to IRAs within minor inclusions into the edges of IRAs; therefore, roadside hazard treatments will not measurably affect roadless character. Site preparation and planting will be all by hand treatment and will not measurably affect roadless character.

**Table A-4: Alternatives 2, modified 2, 3 and 4 proposed activities within each IRA, in portions that retain and do not retain roadless character for project area B (Happy Camp Complex fires)**

IRA	Acres of activities within IRA	% of IRA with activities	Acres of activities within parts of IRA that retained roadless character (1994 FEIS)	% of IRA with activities within parts that retained roadless character	Acres of activities within acres of IRA no longer retaining roadless character	% of IRA with activities within acres no longer retaining roadless character
<b>Grider</b>	<b>148</b>	<b>2%</b>	<b>148</b>	<b>2%</b>	<b>0</b>	<b>0%</b>
Fuels Treatment	43	<1%	43	<1%	0	0%
Site prep./plant	82	1%	82	1%	0	0%
Roadside Hazard	23*	<1%	23*	<1%	0	0%
<b>Johnson</b>	<b>511</b>	<b>10%</b>	<b>198</b>	<b>5%</b>	<b>313</b>	<b>34%</b>
Fuels Treatment	160	3%	114	3%	47	5%
Site prep./plant	184	4%	39	1%	146	16%
Roadside Hazard	167	3%	46*	1%	121	13%
<b>Kelsey</b>	<b>318</b>	<b>10%</b>	<b>5</b>	<b>&lt;1%</b>	<b>313</b>	<b>12 %</b>
Fuels Treatment	0	0%	0	0%	0	0%
Site prep./plant	44	1%	0	0%	44	2%
Roadside Hazard	274	8%	5*	1%	269	10%
<b>Tom Martin</b>	<b>750</b>	<b>8%</b>	<b>50</b>	<b>1%</b>	<b>700</b>	<b>20%</b>
Fuels Treatment	213	2%	50	1%	163	5%
Site prep./plant	47	<1%	0	0%	47	1%
Roadside Hazard	490	5%	0	0%	490	14%
<b>TOTAL</b>	<b>1,727</b>	<b>6%</b>	<b>402</b>	<b>2%</b>	<b>1,327</b>	<b>19%</b>
Fuels Treatment	<b>416</b>	<b>2%</b>	<b>207</b>	<b>1%</b>	<b>210</b>	<b>3%</b>
Site prep./plant	<b>357</b>	<b>1%</b>	<b>121</b>	<b>&lt;1%</b>	<b>237</b>	<b>3%</b>
Roadside Hazard	<b>954</b>	<b>3%</b>	<b>74*</b>	<b>&lt;1%</b>	<b>880</b>	<b>12%</b>

\*Acres are within the buffer of a road that is outside the IRA.

### *Cumulative Effects*

As in the earlier resource report, effects of past actions are incorporated into the affected environment and there are no ongoing or reasonable foreseeable future actions that will occur in IRAs. Therefore, there are no cumulative effects.

### **Project Area C: Whites Fire**

#### *Direct Effects and Indirect Effects*

About 5,280 acres of fuels treatment, less than 40 acres of site preparation and planting, and 36 acres of roadside hazard treatments have the potential to affect roadless character. Project design features requiring hand treatments for site preparation and planting mitigate negative effects of these treatments on roadless character. There is general agreement among resource specialists that fuels treatments will not negatively affect roadless character. Roadside hazard treatments, and site preparation and planting, occur primarily within parts of IRAs that did not retain roadless character in 1995. The small number of acres of roadside hazard treatments within parts of IRAs that did retain roadless character is along roads that are adjacent to IRAs within minor inclusions into the edges of IRAs; therefore, roadside hazard treatments will not measurably affect roadless character. Site preparation and planting will be all by hand treatment and will not measurably affect roadless character.

Table A-5: Alternatives 2, modified 2, 3 and 4 proposed activities within each IRA, in portions that retain and do not retain roadless character for project area C (Whites fire)

IRA	Acres of activities within IRA	% of IRA with activities	Activities within acres of IRA that retained roadless character (1994 FEIS)	% of IRA with activities within acres that retained roadless character	Activities within acres of IRA no longer retaining roadless character	% of IRA with activities within acres no longer retaining roadless character
<b>Russian</b>	<b>2,296</b>	<b>17%</b>	<b>1,853</b>	<b>16%</b>	<b>442</b>	<b>27%</b>
Fuels Treatment	1,935	14%	1,782	15%	153	9%
Site prep./plant	131	1%	39	<1%	92	6%
Roadside Hazard	230	2%	32*	<1%	197	12%
<b>Snoozer</b>	<b>3,463</b>	<b>37%</b>	<b>3,463</b>	<b>37%</b>	<b>0</b>	<b>0%</b>
Fuels Treatment	3,459	37%	3,459	37%	0	0%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	4*	<1%	4*	<1%	0	0%
<b>TOTAL</b>	<b>5,759</b>	<b>25%</b>	<b>5,316</b>	<b>25%</b>	<b>442</b>	<b>27%</b>
Fuels Treatment	<b>5,394</b>	<b>24%</b>	<b>5,241</b>	<b>25%</b>	<b>153</b>	<b>9%</b>
Site prep./plant	<b>131</b>	<b>&lt;1%</b>	<b>39</b>	<b>&lt;1%</b>	<b>92</b>	<b>6%</b>
Roadside Hazard	<b>234</b>	<b>1%</b>	<b>36*</b>	<b>&lt;1%</b>	<b>197</b>	<b>12%</b>

\*Acres are within the buffer of a road that is outside the IRA.

### Cumulative Effects

As in the earlier resource report, effects of past actions are incorporated into the affected environment and there are no ongoing or reasonable foreseeable future actions that will occur in IRAs. Therefore, there are no cumulative effects.

### Alternative 5

#### Project Area B: Happy Camp Complex

About 207 acres of fuels treatment and 74 acres of roadside hazard treatments have the potential to affect roadless character. There is general agreement among resource specialists that fuels treatments will not negatively affect roadless character. Since roadside hazard treatments occur primarily within parts of IRAs that did not retain roadless character in 1995, and the small number of acres of treatments within parts of IRAs that did retain roadless character are along roads that are adjacent to IRAs within minor inclusions into the edges of IRAs, roadside hazard treatments will not measurably affect roadless character.

#### Direct Effects and Indirect Effects

**Table A-6: Alternative 5 proposed activities within each IRA, in portions that retain and do not retain roadless character for project area B (Happy Camp Complex fires)**

IRA	Acres of activities within IRA	% of IRA with activity	Acres of activities within acres of IRA that retained roadless character (1994 FEIS)	% of IRA with activities within acres that retained roadless character	Acres of activities within acres of IRA no longer retaining roadless character	% of IRA with activities within acres no longer retaining roadless character
<b>Grider</b>	<b>66</b>	<b>1%</b>	<b>66</b>	<b>1%</b>	<b>0</b>	<b>0%</b>
Fuels Treatment	43	<1%	43	<1%	0	0%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	23*	<1%	23*	<1%	0	0%
<b>Johnson</b>	<b>327</b>	<b>7%</b>	<b>160</b>	<b>4%</b>	<b>168</b>	<b>18%</b>
Fuels Treatment	160	3%	114	3%	47	5%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	167	3%	46*	1%	121	13%
<b>Kelsey</b>	<b>274</b>	<b>8%</b>	<b>5</b>	<b>1%</b>	<b>269</b>	<b>10%</b>
Fuels Treatment	0	0%	0	0%	0	0%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	274	8%	5*	1%	269	10%
<b>Tom Martin</b>	<b>703</b>	<b>8%</b>	<b>50</b>	<b>1%</b>	<b>653</b>	<b>19%</b>
Fuels Treatment	213	2%	50	1%	163	5%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	490	5%	0	0%	490	14%
<b>TOTAL</b>	<b>1,370</b>	<b>5%</b>	<b>281</b>	<b>1%</b>	<b>1,090</b>	<b>15%</b>
Fuels Treatment	<b>416</b>	<b>2%</b>	<b>207</b>	<b>1%</b>	<b>210</b>	<b>3%</b>
Site prep./plant	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>
Roadside Hazard	<b>954</b>	<b>3%</b>	<b>74*</b>	<b>&lt;1%</b>	<b>880</b>	<b>12%</b>

\*Acres are within the buffer of a road that is outside the IRA.

### Cumulative Effects

As in the earlier resource report, effects of past actions are incorporated into the affected environment and there are no ongoing or reasonable foreseeable future actions that will occur in IRAs. Therefore, there are no cumulative effects.

### Project Area C: Whites Fire

About 5,280 acres of fuels treatment and 36 acres of roadside hazard treatments have the potential to affect roadless character. There is general agreement among resource specialists that fuels treatments will not negatively affect roadless character. Since roadside hazard treatments occur primarily within parts of IRAs that did not retain roadless character in 1995, and the small number of acres of treatments within parts of IRAs that did retain roadless character are along roads that are adjacent to IRAs within minor inclusions into the edges of IRAs, roadside hazard treatments will not measurably affect roadless character.

### Direct Effects and Indirect Effects

**Table A-7: Alternative 5 proposed activities within each IRA, in portions that retain and do not retain roadless character for project area C (Whites fire)**

IRA	Acres within IRA	% of IRA with Activity	Activities within acres of IRA that retained roadless character (1994 FEIS)	% of IRA with activities within acres that retained roadless character	Activities within acres of IRA no longer retaining roadless character	% of IRA with activities within acres no longer retaining roadless character
<b>Russian</b>	<b>2,165</b>	<b>16%</b>	<b>1,814</b>	<b>15%</b>	<b>350</b>	<b>21%</b>
Fuels Treatment	1,935	14%	1,782	15%	153	9%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	230	2%	32*	<1%	197	12%
<b>Snoozer</b>	<b>3,463</b>	<b>37%</b>	<b>3,463</b>	<b>37%</b>	<b>0</b>	<b>0%</b>
Fuels Treatment	3,459	37%	3,459	37%	0	0%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	4*	<1%	4*	<1%	0	0%
<b>TOTAL</b>	<b>5,628</b>	<b>25%</b>	<b>5,277</b>	<b>25%</b>	<b>350</b>	<b>21%</b>
Fuels Treatment	<b>5,394</b>	<b>24%</b>	<b>5,241</b>	<b>25%</b>	<b>153</b>	<b>9%</b>
Site prep./plant	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>
Roadside Hazard	<b>234</b>	<b>1%</b>	<b>36*</b>	<b>&lt;1%</b>	<b>197</b>	<b>12%</b>

\*Acres are within the buffer of a road that is outside the IRA.

### **Cumulative Effects**

As in the earlier resource report, effects of past actions are incorporated into the affected environment and there are no ongoing or reasonable foreseeable future actions that will occur in IRAs. Therefore, there are no cumulative effects.

### **Modified Alternative 3**

#### **Project Area B: Happy Camp Complex**

About 288 acres of fuels treatment, 120 acres of site preparation and planting, and 31 acres of roadside hazard treatments have the potential to affect roadless character. There is general agreement among resource specialists that fuels treatments will not negatively affect roadless character. Roadside hazard treatments, and site preparation and planting, occur primarily within parts of IRAs that did not retain roadless character in 1995. The small number of acres of roadside hazard treatments within parts of IRAs that did retain roadless character is along roads that are adjacent to IRAs within minor inclusions into the edges of IRAs; therefore, roadside hazard treatments will not measurably affect roadless character. Site preparation and planting will be all by hand treatment and will not measurably affect roadless character.

#### **Direct Effects and Indirect Effects**

**Table A-8: Modified Alternative 3 proposed activities within each IRA, in portions that retain and do not retain roadless character for project area B (Happy Camp Complex fires)**

IRA	Acres of activities within IRA	% of IRA with activity	Acres of activities within acres of IRA that retained roadless character	% of IRA with activities within acres that retained roadless character	Acres of activities within acres of IRA no longer retaining roadless character	% of IRA with activities within acres no longer retaining roadless character
<b>Grider</b>	<b>227</b>	<b>2%</b>	<b>227</b>	<b>2%</b>	<b>0</b>	<b>0%</b>
Fuels Treatment	124	1%	124	1%	0	0%
Site prep./plant	82	1%	82	1%	0	0%
Roadside Hazard	22*	<1%	22*	<1%	0	0%
<b>Johnson</b>	<b>427</b>	<b>9%</b>	<b>156</b>	<b>4%</b>	<b>271</b>	<b>29%</b>
Fuels Treatment	160	3%	114	3%	47	5%
Site prep./plant	184	4%	39	1%	146	16%
Roadside Hazard	83	2%	4*	<1%	79	8%
<b>Kelsey</b>	<b>133</b>	<b>4%</b>	<b>5</b>	<b>1%</b>	<b>127</b>	<b>5%</b>
Fuels Treatment	0	0%	0	0%	0	0%
Site prep./plant	44	1%	0	0%	44	2%
Roadside Hazard	88	3%	5*	1%	83	3%
<b>Tom Martin</b>	<b>613</b>	<b>7%</b>	<b>50</b>	<b>1%</b>	<b>562</b>	<b>16%</b>
Fuels Treatment	213	2%	50	1%	163	5%
Site prep./plant	47	1%	0	0%	47	1%
Roadside Hazard	352	4%	0	0%	352	10%
<b>TOTAL</b>	<b>1,401</b>	<b>5%</b>	<b>440</b>	<b>2%</b>	<b>961</b>	<b>14%</b>
Fuels Treatment	<b>497</b>	<b>2%</b>	<b>288</b>	<b>1%</b>	<b>209</b>	<b>3%</b>
Site prep./plant	<b>358</b>	<b>1%</b>	<b>120</b>	<b>1%</b>	<b>237</b>	<b>3%</b>
Roadside Hazard	<b>546</b>	<b>2%</b>	<b>31</b>	<b>&lt;1%</b>	<b>514</b>	<b>7%</b>

\*Acres are within the buffer of a road that is outside the IRA.

### *Cumulative Effects*

As in the earlier resource report, effects of past actions are incorporated into the affected environment and there are no ongoing or reasonable foreseeable future actions that will occur in IRAs. Therefore, there are no cumulative effects.

### **Project Area C: Whites Fire**

About 5,240 acres of fuels treatment, 39 acres of site preparation and planting, and 34 acres of roadside hazard treatments have the potential to affect roadless character. There is general agreement among resource specialists that fuels treatments will not negatively affect roadless character. Roadside hazard treatments, and site preparation and planting, occur primarily within parts of IRAs that did not retain roadless character in 1995. The small number of acres of roadside hazard treatments within parts of IRAs that did retain roadless character is along roads that are adjacent to IRAs within minor inclusions into the edges of IRAs; therefore, roadside hazard treatments will not measurably affect roadless character. Site preparation and planting will be all by hand treatment and will not measurably affect roadless character.

### *Direct Effects and Indirect Effects*

**Table A-9: Modified Alternative 3 proposed activities within each IRA, in portions that retain and do not retain roadless character for project area C (Whites fire)**

IRA	Acres within IRA	% of IRA with Activity	Activities within acres of IRA that retained roadless character	% of IRA with activities within acres that retained roadless character	Activities within acres of IRA no longer retaining roadless character	% of IRA with activities within acres no longer retaining roadless character
<b>Russian</b>	<b>2,266</b>	<b>17%</b>	<b>1,854</b>	<b>16%</b>	<b>412</b>	<b>25%</b>
Fuels Treatment	1,936	14%	1,783	15%	153	9%
Site prep./plant	122	1%	39	<1%	83	5%
Roadside Hazard	209	2%	32*	<1%	177	11%
<b>Snoozer</b>	<b>3,460</b>	<b>37%</b>	<b>3,460</b>	<b>37%</b>	<b>0</b>	<b>0%</b>
Fuels Treatment	3,458	37%	3,458	37%	0	0%
Site prep./plant	0	0%	0	0%	0	0%
Roadside Hazard	2*	<1%	2*	<1%	0	0%
<b>TOTAL</b>	<b>5,726</b>	<b>25%</b>	<b>5,314</b>	<b>25%</b>	<b>412</b>	<b>25%</b>
Fuels Treatment	<b>5,393</b>	<b>24%</b>	<b>5,240</b>	<b>25%</b>	<b>153</b>	<b>9%</b>
Site prep./plant	<b>122</b>	<b>&lt;1%</b>	<b>39</b>	<b>&lt;1%</b>	<b>83</b>	<b>5%</b>
Roadside Hazard	<b>211</b>	<b>1%</b>	<b>34*</b>	<b>&lt;1%</b>	<b>177</b>	<b>11%</b>

\*Acres are within the buffer of a road that is outside the IRA.

### Cumulative Effects

As in the earlier resource report, effects of past actions are incorporated into the affected environment and there are no ongoing or reasonable foreseeable future actions that will occur in IRAs. Therefore, there are no cumulative effects.

### Summary of Effects

There are no changes related to effects on how alternatives meet the purpose and need, address relevant issues or meet Forest Plan or legal thresholds in relation to IRAs.

**Table A-10: Summary of Effects by analysis indicator for the Happy Camp Fire Area**

Indicator	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Mod. Alt. 2	Mod. Alt. 3
Acres of treatments in parts of IRAs in which roadless character is retained	0	402	402	402	281	402	440
Acres of IRA on which roadless character will be affected	0	0	0	0	0	0	0

**Table A-11: Summary of Effects by analysis indicator for the Whites Fire Area**

Indicator	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Mod. Alt. 2	Mod. Alt. 3
Acres of treatments in parts of IRAs in which roadless character is retained	0	5,316	5,316	5,316	5,277	5,316	5,314
Acres of IRA on which roadless character will be affected	0	0	0	0	0	0	0

***Compliance with law, regulation, policy, and the Forest Plan***

There are no changes to affect the conclusion that all alternatives meet law, regulation, policy and Forest Plan in relation to maintaining roadless character of IRAs.