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Amendment to the Wild & Scenic Rivers Report

Westside Fire Recovery Project

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

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I. Summary of Modifications between Draft and Final EIS

Correction to Methods section

The first paragraph is corrected to read “Project activities were evaluated using field review, Geospatial Information System (GIS) analysis, and the professional judgment of the project’s scenery specialist for the Projects potential effects to: 1.) free flowing conditions; 2.) water quality; 3.) identified outstandingly remarkable value(s); and 4.) Visual Quality Objectives (VQOs).”

Additions to Affected Environment section

“National Wild and Scenic River Status” maps for Beaver Fire, Happy Camp Complex, and Whites Fire are added which display both recommended and designated Wild and Scenic Rivers by project area. See Figures 1-6.

A map review of South Russian Creek’s segment 2 (Ru02) reveals the currently displayed ending point of the segment is incorrect. This will need to be corrected in the Forest’s WSR corporate date layer.

Changes to Affected Environment section

Table 1: Summary of Potentially Affected Wild & Scenic Rivers by Segment Number, Classification, and Outstandingly Remarkable Value(s) has been separated into project areas. The information displayed is the same but has been broken down into fire area for comparison purposes only in this amendment.

Additions/Corrections to Environmental Consequences section

In the Alternatives 2, 3, 4, & 5 Direct and Indirect Effects narrative of Outstandingly Remarkable Value(s) – South Russian “River” is corrected to read South Russian “Creek”.

In the Alternatives 2, 3, 4, & 5 Direct and Indirect Effects narrative of Forest wide Standards and Guidelines, the following paragraph is added: “All project activities would likely meet their assigned VQO of Partial Retention in three years. A recovery time of three years would allow seasonal leaf and needle cast, weathering (graying) of tree stumps and chips, and resprouting of vegetation or “greening up” to soften these effects. Thus project activities would appear near-natural to Forest visitors.

Table 2: Acres of Proposed Treatments for Alternatives 2, 3, 4, & 5 located within Wild & Scenic River corridors by River Classification and Segment is corrected to read “0” acres in Alternative 5 for Salvage Harvest for Grider Creek.

The cumulative effects for Alternatives 2, 3, 4 and 5 (Wild and Scenic River report page 8) have been clarified in sections II and III of this amendment.

II. Environmental Consequences of Modified Alternatives

Methods

The methods used for this analysis can be found in detail in the **Wild and Scenic Rivers Report**. The first paragraph is corrected to read “Project activities were evaluated using field review, Geospatial Information System (GIS) analysis, and the professional judgment of the project’s scenery specialist for the Projects potential effects to: 1.) free flowing conditions; 2.) water

quality; 3.) identified outstandingly remarkable value(s); and 4.) Visual Quality Objectives (VQOs).”

Environmental Consequences

Modified Alternative 2

Project Area A: Beaver Fire

Direct Effects and Indirect Effects

Although not displayed by project area in the Wild and Scenic Rivers Resource report, the acres of fuels, harvest, and roadside hazard treatments proposed in Modified Alternative 2 are the same as those proposed in Alternative 2. Therefore there is no change in effects as described for Alternatives 2-5.

Table 1 (Modified from Table 2 of Wild and Scenic Rivers Report): Acres of Proposed Treatments for Modified Alternative 2 located within Wild & Scenic River corridor by River Classification and Segment

RIVER BY TREATMENT TYPE	SEG- MENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 2 ACRES
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational	
Fuels Treatments				16
Harvest				0
Roadside Hazard				143
Total				159

Cumulative Effects

The cumulative effects on Wild and Scenic Rivers is the same as described in Alternative 2, 3, 4, and 5.

Project Area B: Happy Camp Complex

Direct Effects and Indirect Effects

Modified Alternative 2 proposes decreases from Alternative 2 in salvage harvest acres within both the Klamath River and Grider Creek corridors from 425 acres to 422 acres and 41 acres to 10 acres respectively. Even with these acreage reductions, the scenery effects are the same as Alternative 2. Both of these corridors are managed with a Retention Visual Quality Objective (VQO). As stated in the Scenery Resource report (see Table 5), salvage harvest or roadside hazard treatments would not meet Retention in the short term. Therefore the Klamath River and Grider Creek would not meet Retention in the short term. Continued “greening up” for five – ten years would allow additional resprouting and growth of vegetation to hide these effects.

All other treatment acres for all other rivers are the same as Alternative 2. Therefore there is no change to effects as described for Alternatives 2-5.

Table 2 (Modified from Table 2 of Wild and Scenic Rivers Report): Acres of Proposed Treatments for Modified Alternative 2 located within Wild & Scenic River corridors by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 2 ACRES
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational	
Fuels Treatments				355
Harvest				422
Roadside Hazard				336
Total				1,114
SCOTT RIVER	SC01	Shackleford Creek to McCarthy Creek	Recreational	
Fuels Treatments				212
Harvest				2
Roadside Hazard				255
Total				469
SCOTT RIVER	SC02	McCarthy Creek to Scott Bar	Scenic	
Fuels Treatments				62
Harvest				1
Roadside Hazard				127
Total				190
SCOTT RIVER	SC03	Scott Bar to Klamath River	Recreational	
Fuels Treatments				40
Harvest				15
Roadside Hazard				109
Total				163

RIVER BY TREATMENT TYPE	SEG- MENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 2 ACRES
ELK CREEK	EL03	Bridge in Sec 19 to bridge in Sec 25	Recreational	
Fuels Treatments				516
Roadside Hazard				438
Vegetation Management				4
Total				958
ELK CREEK	EL04	Bridge in Sec 25 to Klamath River	Recreational	
Fuels Treatments				206
Roadside Hazard				161
Vegetation Management				11
Total				377
GRIDER CREEK	GR03	Rancharia Creek to Forest Road 46N24X	Scenic	
Harvest				10
Roadside Hazard				7
Total				17

SOURCE: GIS data sorts 04/13/15, 04/14/15

Cumulative Effects

The cumulative effects on Wild and Scenic Rivers is the same as described in Alternative 2, 3, 4, and 5.

Project Area C: Whites Fire

Direct Effects and Indirect Effects

Modified Alternative 2 proposes an increase from Alternative 2 in salvage harvest acres within the North Fork Salmon River corridor from 83 acres to 108 acres. Because the river corridor is managed with a Partial Retention Visual Quality Objective (VQO) and salvage harvest would meet this objective in three years as stated in the Scenery Resource report, there is no change to effects.

All other treatment acres for both the North Fork Salmon River and South Russian Creek are the same as Alternative 2. Therefore there is no change to effects as described for Alternatives 2-5.

Table 3: Acres of Proposed Treatments for Modified Alternative 2 located within Wild & Scenic River corridors by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 2 ACRES
NORTH FORK SALMON RIVER	NF03	Mule Bridge Campground to Forks of Salmon	Recreational	
Fuels Treatments				1,149
Harvest				108
Roadside Hazard				250
Vegetation Management				8
Total				1,516
SOUTH RUSSIAN CREEK	RU02	Wilderness boundary to Forest Road 40N54	Recreational	
Fuels Treatments				84
Harvest				1
Roadside Hazard				122
Vegetation Management				29
Total				237

SOURCE: GIS data sort 04/13/15

Cumulative Effects

The cumulative effects on Wild and Scenic Rivers is the same as described in Alternative 2, 3, 4, and 5.

Compliant with Law, Policy and the Forest Plan

There is no change to compliance with law, regulation, policy and the Forest Plan from the Wild and Scenic Rivers Resource report.

Modified Alternative 3

Project Area A: Beaver Fire

Direct Effects and Indirect Effects

Modified Alternative 3 proposes a significant decrease in total acres treated from Alternative 2; all salvage harvest has been removed from the project area and all roadside hazard removed along County Road 8G004. This has resulted in a no effect to the Klamath River viewshed. The effects to all other river values are the same as described for Alternatives 2-5.

Table 4 (Modified from Table 2 of Wild and Scenic Rivers Report): Acres of Proposed Treatments for Modified Alternative 3 located within Wild & Scenic River corridor by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 3 ACRES
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational	
Fuels Treatments				16
Harvest				0
Roadside Hazard				1
Total				17

Cumulative Effects

The cumulative effects on Wild and Scenic Rivers is the same as described in Alternative 2, 3, 4, and 5.

Project Area B: Happy Camp Complex

Direct Effects and Indirect Effects

Modified Alternative 3 proposes a decrease in total acres treated for all river segments from Alternative 2; fuels treatments stayed the same or increased, harvest stayed the same or decreased, and roadside hazard acres were decreased for all river segments.

With the removal of roadside hazard in Grider Creek and the addition of snag inclusion areas in harvest units, Grider Creek would meet the Retention VQO in the short term. The effects to all other rivers and river values are the same as described for Alternatives 2-5.

Table 5 (Modified from Table 2 of Wild and Scenic Rivers Report): Acres of Proposed Treatments for Modified Alternative 3 located within Wild & Scenic River corridors by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 3 ACRES
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational	
Fuels Treatments				355
Harvest				265
Roadside Hazard				23
Total				644
SCOTT RIVER	SC01	Shackleford Creek to McCarthy Creek	Recreational	
Fuels Treatments				212
Harvest				2
Roadside Hazard				24
Total				239
SCOTT RIVER	SC02	McCarthy Creek to Scott Bar	Scenic	
Fuels Treatments				102
Harvest				0
Roadside Hazard				32
Total				134
SCOTT RIVER	SC03	Scott Bar to Klamath River	Recreational	
Fuels Treatments				40
Harvest				15
Roadside Hazard				0
Total				55
ELK CREEK	EL03	Bridge in Sec 19 to bridge in Sec 25	Recreational	
Fuels Treatments				516
Roadside Hazard				109

RIVER BY TREATMENT TYPE	SEG- MENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 3 ACRES
Vegetation Management				4
Total				629
ELK CREEK	EL04	Bridge in Sec 25 to Klamath River	Recreational	
Fuels Treatments				222
Roadside Hazard				13
Vegetation Management				11
Total				246
GRIDER CREEK	GR03	Rancharia Creek to Forest Road 46N24X	Scenic	
Harvest				7
Roadside Hazard				0
Total				7

Cumulative Effects

The cumulative effects on Wild and Scenic Rivers is the same as described in Alternative 2, 3, 4, and

Project Area C: Whites Fire

Direct Effects and Indirect Effects

Modified Alternative 3 proposes a slight increase from Alternative 2 in fuels treatment acres within the South Russian Creek corridor from 84 acres to 89 acres. Because the river corridor is managed with a Partial Retention Visual Quality Objective (VQO) and fuels treatments would meet this objective in three years as stated in the Scenery Resource report, there is no change to effects. All other treatment acres for South Russian Creek are the same as Alternative 2. Therefore there is no change to effects.

Table 6: Acres of Proposed Treatments for Modified Alternative 3 located within Wild & Scenic River corridors by River Classification and Segment

RIVER BY TREATMENT TYPE	SEG- MENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	MOD ALT 3 ACRES
NORTH FORK SALMON RIVER	NF03	Mule Bridge Campground to Forks of Salmon	Recreational	
Fuels Treatments				1149
Harvest				105
Roadside Hazard				229
Vegetation Management				8
Total				1492
SOUTH RUSSIAN CREEK	RU02	Wilderness boundary to Forest Road 40N54	Recreational	
Fuels Treatments				89
Harvest				1
Roadside Hazard				122
Vegetation Management				29
Total				242

Cumulative Effects

The cumulative effects on Wild and Scenic Rivers is the same as described in Alternative 2, 3, 4 and 5.

Compliant with Law, Policy and the Forest Plan

There is no change to compliance with law, regulation, policy and the Forest Plan from the Wild and Scenic Rivers Resource report.

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

Affected Environment

The Affected Environment for Wild and Scenic River indicators is the same as described in the Wild and Scenic Rivers Resource report except the information is displayed by project area below. See Figures 1-6 “National Wild and Scenic River Status” maps which display Wild and Scenic Rivers by project area.

Project Area A: Beaver Fire

Table 4: Summary of Potentially Affected Wild & Scenic Rivers by Segment Number, Classification, and Outstandingly Remarkable Value(s)¹

RIVER	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ORV	DESCRIPTION OF OUTSTANDINGLY REMARKABLE VALUE
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational	Anadromous Fisheries	Anadromous fisheries

Project Area B: Happy Camp Complex

Table 5: Summary of Potentially Affected Wild & Scenic Rivers by Segment Number, Classification, and Outstandingly Remarkable Value(s)²

RIVER	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ORV	DESCRIPTION OF OUTSTANDINGLY REMARKABLE VALUE
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational	Anadromous Fisheries	Anadromous fisheries
SCOTT RIVER	SC01	Shackleford Creek to McCarthy Creek	Recreational	Anadromous Fisheries	Anadromous Fisheries
SCOTT RIVER	SC02	McCarthy Creek to Scott Bar	Scenic	Anadromous Fisheries	Anadromous Fisheries
SCOTT RIVER	SC03	Scott Bar to Klamath River	Recreational	Anadromous Fisheries	Anadromous fisheries
ELK CREEK	EL03	Bridge in Sec 19 to bridge in Sec 25	Recreational	Fisheries	Fish and Game rearing pond for chinook, large bedrock holding ponds present.
ELK CREEK	EL03			Geologic	The Malone Landslide offers the opportunity to observe the effects of a large slump/debris slide on a major stream.
ELK CREEK	EL04	Bridge in Sec 25 to Klamath River	Recreational	Fisheries	Very good spawning habitat for salmonoids.

¹ Source Forest Plan

² Source Forest Plan

RIVER	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ORV	DESCRIPTION OF OUTSTANDINGLY REMARKABLE VALUE
ELK CREEK	EL04			Wildlife	Siskiyou Mountain Salamander has been located along this segment.
GRIDER CREEK	GR03	Rancharia Creek to Forest Road 46N24X	Scenic	Fisheries	High water quality supporting coho, chinook, and steelhead.
GRIDER CREEK	GR03			Vegetation	Undisturbed "old growth" mixed conifer forest type.
GRIDER CREEK	GR03			Wildlife	Bald eagle (T & E) and peregrine falcon known to frequent this segment.

Project Area C: Whites Fire

A map review of South Russian Creek’s segment 2 (Ru02) reveals the currently displayed ending point of the segment (Figure 6) is incorrect and will need to be corrected in the Forest’s WSR corporate data layer. As noted in Table 6 below, the segment ends at Forest Road 40N54. Current maps display the boundary extended downstream approximately 1 ¼ miles to the Music Creek confluence.

Table 6: Summary of Potentially Affected Wild & Scenic Rivers by Segment Number, Classification, and Outstandingly Remarkable Value(s)³

RIVER	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ORV	DESCRIPTION OF OUTSTANDINGLY REMARKABLE VALUE
NORTH FORK SALMON RIVER	NF03	Mule Bridge Campground to Forks of Salmon	Recreational	Anadromous Fisheries	Anadromous fisheries
SOUTH RUSSIAN CREEK	RU02	Wilderness boundary to Forest Road 40N54	Recreational	Anadromous Fisheries	Anadromous Fisheries

Environmental Consequences

Alternative 1

The direct and indirect effect of no action on the Wild and Scenic River analysis indicators is the same for all of the fire areas and is described in the Wild and Scenic Rivers Resource Report.

Cumulative Effects

³ Source Forest Plan

Project Area A: Beaver Fire

There are no current or reasonably foreseeable future actions which are located in the vicinity of the Beaver Fire which propose activities to be located in the Klamath River WSR corridor. Therefore the additive effect from this project project's lack of action in this alternative is not anticipated to have any cumulative effects to the WSR Act's "protect and enhance" standards.

Project Area B: Happy Camp Complex

In considering current and reasonably foreseeable future projects, both the Johnny O'Neil and Thom-Seider projects propose activities in the Klamath Wild and Scenic Rivers corridor. Their analyses determined no effect to Wild and Scenic Rivers values. The additive effect from this project's lack of action in this alternative is not anticipated to have any cumulative effects to the Wild and Scenic Rivers Act's "protect and enhance" standards.

Project Area C: Whites Fire

In considering current and reasonably foreseeable future projects, the Salmon Salvage project proposed salvage harvest in the North Fork WSR corridor. Analysis determined no effect to WSR values. The Jess project has no proposed activities in the WSR corridor. The additive effect from this project's No Action is not anticipated to have any cumulative effects to the WSR Act's "protect and enhance" standards.

Alternatives 2, 3, 4, and 5

In the Alternatives 2, 3, 4, & 5 Direct and Indirect Effects narrative of Forest wide Standards and Guidelines, the following paragraph is added: "All project activities would likely meet their assigned VQO of Partial Retention in three years. A recovery time of three years would allow seasonal leaf and needle cast, weathering (graying) of tree stumps and chips, and resprouting of vegetation or "greening up" to soften these effects. Thus project activities would appear near-natural to Forest visitors.

Project Area A: Beaver Fire

Direct Effects and Indirect Effects

The acres of fuels, harvest, and roadside hazard treatments proposed for the Klamath River were combined for the Beaver and Happy Camp Complex project areas in the Wild and Scenic Rivers Resource report. Table 7 below only lists those acres for the Beaver Fire and is the same acres used in the original consolidation. Therefore there is no change in effects.

Table 7 (Modified from Table 2 of Wild and Scenic Rivers Report): Acres of Proposed Treatments for Alternatives 2, 3, 4, & 5 located within Wild & Scenic River corridor by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ALT 2 ACRES	ALT 3 ACRES	ALT 4 ACRES	ALT 5 ACRES
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational				
Fuels Treatments				16	16	16	16
Harvest				0	0	0	0
Roadside Hazard				143	143	143	143

The effects of Alternatives 2, 3, 4, and 5 on the Wild and Scenic River analysis indicators are the same as described in the Wild and Scenic Rivers Resource Report but have been broken down into fire area for comparison purposes only in this amendment.

Table 8: Wild and Scenic River Description of Effects of Alternatives 2, 3, 4, & 5

RIVER BY SEGMENT NUMBER	RIVER VALUE	ALTERNATIVES 2, 3, 4 & 5 DESCRIPTION OF EFFECTS	RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
Klamath River			
KL01	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Retention VQO (river corridor)	VQO would likely not be met in short term (3-5 years)	Y (long term)
	Partial Retention VQO (middleground)	VQO would likely be met	Y

Cumulative Effects

There are no current or reasonably foreseeable future actions which are located in the vicinity of the Beaver Fire which propose activities to be located in the Klamath River WSR corridor. Therefore the additive effect from this project is not anticipated to have any cumulative effects to the WSR Act’s “protect and enhance” standards.

Project Area B: Happy Camp Complex

Direct Effects and Indirect Effects

The acres of treatments for Alternatives 2, 3, 4, and 5 are the same as described in the Wild and Scenic Rivers Resource Report (except as described for Table 2 below) but have been broken down into fire area for comparison purposes only in this amendment.

In the Wild and Scenic Rivers Resource Report Table 2: Acres of Proposed Treatments for Alternatives 2, 3, 4, & 5 located within Wild & Scenic River corridors by River Classification and Segment is corrected to read “0” acres in Alternative 5 for Salvage Harvest for Grider Creek. This correction is displayed in Table 9 below.

Table 9 (Modified from Table 2 of Wild and Scenic Rivers Report): Acres of Proposed Treatments for Alternatives 2, 3, 4, & 5 located within Wild & Scenic River corridors by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ALT 2 ACRES	ALT 3 ACRES	ALT 4 ACRES	ALT 5 ACRES
KLAMATH RIVER	KL01	Forest boundary near Ash Creek confluence to Forest boundary with Six Rivers National Forest	Recreational				
Fuels Treatments				355	355	355	355
Harvest				425	409	425	422
Roadside Hazard				336	336	336	336
SCOTT RIVER	SC01	Shackleford Creek to McCarthy Creek	Recreational				
Fuels Treatments				212	212	212	212
Harvest				2	2	2	2
Roadside Hazard				255	255	255	255
SCOTT RIVER	SC02	McCarthy Creek to Scott Bar	Scenic				
Fuels Treatments				62	62	62	62

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ALT 2 ACRES	ALT 3 ACRES	ALT 4 ACRES	ALT 5 ACRES
Harvest				1	1	1	1
Roadside Hazard				127	127	109	127
SCOTT RIVER	SC03	Scott Bar to Klamath River	Recreational				
Fuels Treatments				40	40	40	40
Harvest				15	15	15	15
Roadside Hazard				109	109	109	109
ELK CREEK	EL03	Bridge in Sec 19 to bridge in Sec 25	Recreational				
Fuels Treatments				516	516	516	516
Roadside Hazard				438	438	438	438
Vegetation Management				4	4	4	4
ELK CREEK	EL04	Bridge in Sec 25 to Klamath River	Recreational				
Fuels Treatments				206	206	206	206
Roadside Hazard				161	161	161	161
Vegetation Management				11	11	11	11
GRIDER CREEK	GR03	Rancharia Creek to Forest Road 46N24X	Scenic				
Harvest				41	41	41	0
Roadside Hazard				7	7	7	7

Source: GIS data sorts, dated 02/03/15, 02/04/15, 02/23/15, 04/14/15.

The effects of Alternatives 2, 3, 4, and 5 on the Wild and Scenic River analysis indicators are the same as described in the Wild and Scenic Rivers Resource Report except for the Scott River scenic segment (Sc02). Additional field review and analysis concludes that the Retention VQO would be met (see Scenery Amendment Report) and there would be no adverse effect to the river's viewshed.

Table 10: Wild and Scenic River Description of Effects of Alternatives 2, 3, 4, & 5

RIVER BY SEGMENT NUMBER	RIVER VALUE	ALTERNATIVES 2, 3, 4, & 5 DESCRIPTION OF EFFECTS	RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
Klamath River			
KL01	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Retention VQO (river corridor)	VQO would likely not be met in short term (3-5 years)	Y (long term)
	Partial Retention VQO (middleground)	VQO would likely be met	Y
Scott River			
SC01	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Partial Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (middleground)	VQO would likely be met	Y
SC02	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (foreground & middleground beyond)	VQO would likely be met	Y

RIVER BY SEGMENT NUMBER	RIVER VALUE	ALTERNATIVES 2, 3, 4, & 5 DESCRIPTION OF EFFECTS	RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
	river corridor)		
SC03	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Partial Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	VQO would likely be met	Y
Elk Creek			
EL03	Water Quality	High risk for sedimentation may be reduced by legacy site repairs. Moderate risk to water quality from debris flows that affect shade and temperature.	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Geologic ORV	No Effect	Y
	Partial Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	VQO would likely be met	Y
EL04	Water Quality	High risk for sedimentation may be reduced by legacy site repairs. Moderate risk to water quality from debris flows that affect shade and temperature.	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y

RIVER BY SEGMENT NUMBER	RIVER VALUE	ALTERNATIVES 2, 3, 4, & 5 DESCRIPTION OF EFFECTS	RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
	Wildlife ORV	Low risk of habitat disturbance	Y
	Partial Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	VQO would likely be met	Y
Grider Creek			
GR03	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Vegetation ORV	Negligible Effect – a small patch of old growth is within roadside hazard treatment area.	Y
	Wildlife ORV	No Effect - No known nesting sites	Y
	Retention VQO (river corridor)	VQO would likely not be met in short term (3-5 years)	Y (long term)
	Partial Retention VQO (foreground & middleground beyond river corridor)	VQO would likely be met	Y

Cumulative Effects

Cumulative effects are described in the Wild and Scenic Rivers Resource report. In considering current and reasonably foreseeable future projects, both the Johnny O’Neil and Thom-Seider projects propose activities in the Klamath Wild and Scenic Rivers corridor. Their analyses determined no effect to Wild and Scenic Rivers values. The additive effect from this project is not anticipated to have any cumulative effects to the Wild and Scenic Rivers Act’s “protect and enhance” standards.

There is an ongoing action of removing hazard trees in the Grider Creek Campground (located within the Grider Creek river corridor). The purpose of this project is safety to the public within an administration/recreation site after the 2014 wildfire went through the campground. Proposed treatments include cut, buck, limb, and move 20 hazardous trees. The cumulative effect of this action is an adverse effect to both the Grider Creek (recommended Wild and Scenic River). Because the stumps will be in close proximity to visitors, it is likely the Retention VQO would

not be met in the three year timeframe. Continued “greening up” for five – ten years would allow additional resprouting and growth of vegetation to hide these effects.

Project Area C: Whites Fire

Direct Effects and Indirect Effects

In the Alternatives 2, 3, 4, & 5 Direct and Indirect Effects narrative of Outstandingly Remarkable Value(s) – South Russian “River” is corrected to read South Russian “Creek”.

The acres of treatments for Alternatives 2, 3, 4, and 5 are the same as described in the Wild and Scenic Rivers Resource Report but have been broken down into fire area for comparison purposes only in this amendment.

Table 11: Acres of Proposed Treatments for Alternatives 2, 3, 4, & 5 located within Wild & Scenic River corridors by River Classification and Segment

RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ALT 2 ACRES	ALT 3 ACRES	ALT 4 ACRES	ALT 5 ACRES
NORTH FORK SALMON RIVER	NF03	Mule Bridge Campground to Forks of Salmon	Recreational				
Fuels Treatments				1,149	1,149	1,149	1,149
Harvest				83	83	83	64
Roadside Hazard				250	250	250	250
Vegetation Management				8	8	8	8
RIVER BY TREATMENT TYPE	SEGMENT NUMBER	SEGMENT DESCRIPTION	CLASSIFICATION	ALT 2 ACRES	ALT 3 ACRES	ALT 4 ACRES	ALT 5 ACRES
SOUTH RUSSIAN CREEK	RU02	Wilderness boundary to Forest Road 40N54	Recreational				
Fuels Treatments				84	84	84	84
Harvest				1	1	1	0
Roadside Hazard				122	122	122	122
Vegetation Management				29	29	29	29

Source: GIS data sorts, dated 02/03/15, 02/04/15, 02/23/15.

The effects of Alternatives 2, 3, 4, and 5 on the Wild and Scenic River analysis indicators are the same as described in the Wild and Scenic Rivers Resource Report but have been broken down into fire area for comparison purposes only in this amendment.

Table 12: Wild and Scenic River Description of Effects of Alternatives 2, 3, 4, & 5

RIVER BY SEGMENT NUMBER	RIVER VALUE	ALTERNATIVES 2, 3, 4, & 5 DESCRIPTION OF EFFECTS	RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
North Fork Salmon River			
NF03	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Fisheries ORV	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Partial Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	VQO would likely be met	Y
South Russian Creek			
RU02	Water Quality	Low risk to stream sedimentation and water temperature	Y
	Vegetation ORV	No Effect. No project treatments proposed within Engleman Spruce stands.	Y
	Water Quality ORV	Low risk to stream sedimentation and water temperature	Y
	Partial Retention VQO (river corridor)	VQO would likely be met	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	VQO would likely be met	Y

Cumulative Effects

In considering current and reasonably foreseeable future projects, the Salmon Salvage project proposed salvage harvest in the North Fork WSR corridor. Analysis determined no effect to WSR values. The Jess project has no proposed activities in the WSR corridor. The additive effect from this project is not anticipated to have any cumulative effects to the WSR Act’s “protect and enhance” standards.

Summary of Effects

Wild and scenic river effects are displayed by alternative by project area in Tables 13, 14, and 15 below:

Table 13: Summary of Effects by analysis indicator for the Beaver Fire Area

RIVER BY SEGMENT NUMBER	RIVER VALUE (INDICATOR)	ALTERNATIVE 1 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	ALTERNATIVES 2, 3, 4, 5 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 2 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 3 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
KLAMATH RIVER					
KL01	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Retention VQO (river corridor)	Y	Y (long term)	Y (long term)	Y
	Partial Retention VQO (middleground)	Y	Y	Y	Y

Table 14: Summary of Effects by analysis indicator for the Happy Camp Complex Area

RIVER BY SEGMENT NUMBER	RIVER VALUE (INDICATOR)	ALTERNATIVE 1 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	ALTERNATIVES 2, 3, 4, 5 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 2 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 3 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
KLAMATH RIVER					
KL01	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Retention VQO (river corridor)	Y	Y (long term)	Y (long term)	Y (long term)
	Partial Retention VQO (middleground)	Y	Y	Y	Y
SCOTT RIVER					
SC01	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Partial Retention VQO (river corridor)	Y	Y	Y	Y

RIVER BY SEGMENT NUMBER	RIVER VALUE (INDICATOR)	ALTERNATIVE 1 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	ALTERNATIVES 2, 3, 4, 5 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 2 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 3 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
	Partial Retention VQO (middleground)	Y	Y	Y	Y
SC02	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Retention VQO (river corridor)	Y	Y	Y	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	Y	Y	Y	Y
SC03	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Partial Retention VQO (river corridor)	Y	Y	Y	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	Y	Y	Y	Y
ELK CREEK					
EL03	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Geologic ORV	Y	Y	Y	Y
	Partial Retention VQO (river corridor)	Y	Y	Y	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	Y	Y	Y	Y
EL04	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y

RIVER BY SEGMENT NUMBER	RIVER VALUE (INDICATOR)	ALTERNATIVE 1 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	ALTERNATIVES 2, 3, 4, 5 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 2 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 3 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
	Wildlife ORV	Y	Y	Y	Y
	Partial Retention VQO (river corridor)	Y	Y	Y	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	Y	Y	Y	Y
GRIDER CREEK					
GR03	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Vegetation ORV	Y	Y	Y	Y
	Wildlife ORV	Y	Y	Y	Y
	Retention VQO (river corridor)	Y	Y (long term)	Y (long term)	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	Y	Y	Y	Y

Table 15: Summary of Effects by analysis indicator for the Whites Fire Area

RIVER BY SEGMENT NUMBER	RIVER VALUE (INDICATOR)	ALTERNATIVE 1 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	ALTERNATIVES 2, 3, 4, 5 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 2 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 3 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
NORTH FORK SALMON RIVER					
NF03	Water Quality	Y	Y	Y	Y
	Fisheries ORV	Y	Y	Y	Y
	Partial Retention VQO (river corridor)	Y	Y	Y	Y
	Partial Retention VQO	Y	Y	Y	Y

RIVER BY SEGMENT NUMBER	RIVER VALUE (INDICATOR)	ALTERNATIVE 1 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	ALTERNATIVES 2, 3, 4, 5 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 2 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?	MODIFIED ALTERNATIVE 3 RIVER VALUE PROTECTED OR MAINTAINED - Y/N?
	(foreground & middleground beyond river corridor)				
SOUTH RUSSIAN CREEK					
RU02	Water Quality	Y	Y	Y	Y
	Vegetation ORV	Y	Y	Y	Y
	Water Quality ORV	Y	Y	Y	Y
	Partial Retention VQO (river corridor)	Y	Y	Y	Y
	Partial Retention VQO (foreground & middleground beyond river corridor)	Y	Y	Y	Y

Table 16: Wild and Scenic River Comparison of Effects of Alternatives

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
KLAMATH RIVER (KL01)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely not be met in short term (3-5 years)	Y (long term)	visual quality objective would likely not be met in short term (3-5 years)	Y (long term)
	Partial Retention visual quality objective (middle ground)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
SCOTT RIVER (SC01)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Partial Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (middle ground)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
SCOTT RIVER (SC02)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
SCOTT RIVER (SC03)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Partial Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
NORTH FORK SALMON RIVER (NF03)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Partial Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
ELK CREEK (EL03)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Moderate risk to water quality from debris flows that affect shade and temperature.	Y	High risk for sedimentation may be reduced by legacy site repairs. Moderate risk to water quality from debris flows that affect shade and temperature.	Y	High risk for sedimentation may be reduced by legacy site repairs. Moderate risk to water quality from debris flows that affect shade and temperature.	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Geologic outstandingly remarkable values	No Effect	Y	No Effect	Y	No Effect	Y
	Partial Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
ELK CREEK (EL04)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Moderate risk to water quality from debris flows that affect shade and temperature.	Y	High risk for sedimentation may be reduced by legacy site repairs. Moderate risk to water quality from debris flows that affect shade and temperature.	Y	High risk for sedimentation may be reduced by legacy site repairs. Moderate risk to water quality from debris flows that affect shade and temperature.	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Wildlife outstandingly remarkable values	Low risk of habitat disturbance	Y	Low risk of habitat disturbance	Y	Low risk of habitat disturbance	Y
	Partial Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
GRIDER CREEK (GR03)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
	Fisheries outstandingly remarkable values	No direct effects. Should a severe wildfire occur, could result in cumulative impacts to fish associated with increases in sediment supply, localized increases in water temperature, and reduced long-term large woody debris recruitment. Impacts are expected to minor to moderate depending on the spatial pattern of a high intensity wildfire.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y	Minor and insignificant direct effects from water drafting. Over-all effects to sediment, stream shade, and temperature from project treatments are expected to be discountable and effects to aquatic species are expected to be minor under all action alternatives.	Y
	Vegetation outstandingly remarkable values	No Effect	Y	Negligible Effect – a small patch of old growth is within roadside hazard treatment area.	Y	Negligible Effect – a small patch of old growth is within roadside hazard treatment area.	Y
	Wildlife outstandingly remarkable values	No Effect - No known nesting sites	Y	No Effect - No known nesting sites	Y	No Effect - No known nesting sites	Y
	Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely not be met in short term (3-5 years)	Y (long term)	visual quality objective would likely not be met in short term (3-5 years)	Y (long term)
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y

River (Segment #)	River Value	Alternative 1 Description Of Effects	Protected Or Maintained (Y/N)	Alternatives 2, 3, 4, and 5 Description Of Effects	Protected Or Maintained (Y/N)	Alternative 2 as Modified	Protected Or Maintained (Y/N)
SOUTH RUSSIAN CREEK (RU02)	Water Quality	Moderate to high risk to water quality (sediment) if legacy sites failed. Low risk to water quality (temperature).	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y
	Vegetation outstandingly remarkable values	No Effect. Stands will regenerate naturally.	Y	No Effect. No project treatments proposed within Engleman Spruce stands.	Y	No Effect. No project treatments proposed within Engleman Spruce stands.	Y
	Water Quality outstandingly remarkable values	No direct effects to water quality (sediment and temperature regimes)	Y	Low risk to stream sedimentation and water temperature	Y	Low risk to stream sedimentation and water temperature	Y
	Partial Retention visual quality objective (river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y
	Partial Retention visual quality objective (foreground and middle ground beyond river corridor)	No Effect	Y	visual quality objective would likely be met	Y	visual quality objective would likely be met	Y

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

There is no change to compliance with law, regulation, policy and the Forest Plan from the Wild and Scenic Rivers Resource report.

Appendix A: Maps

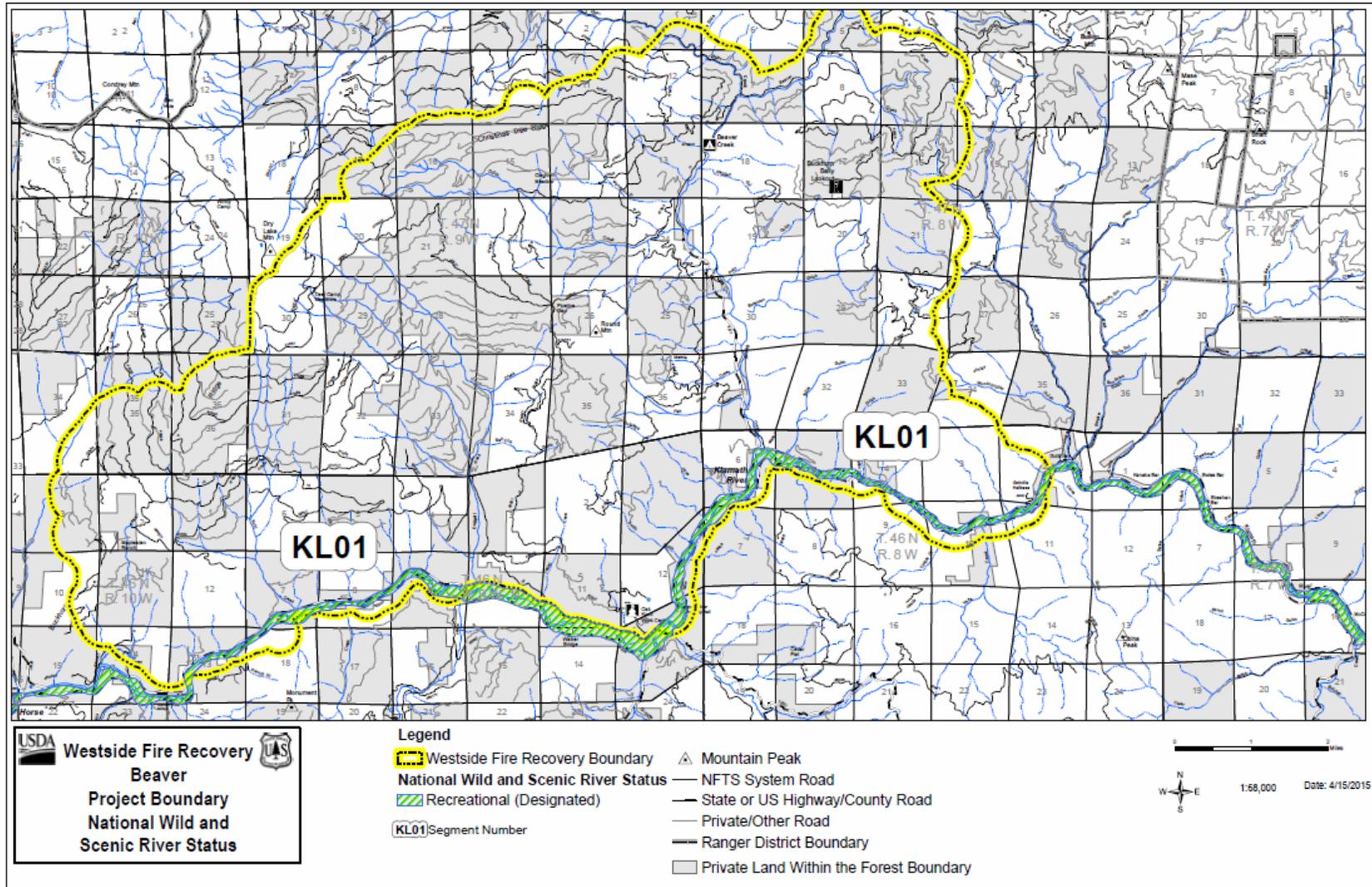


Figure 1: National Wild and Scenic River Status for the Beaver Fire project area

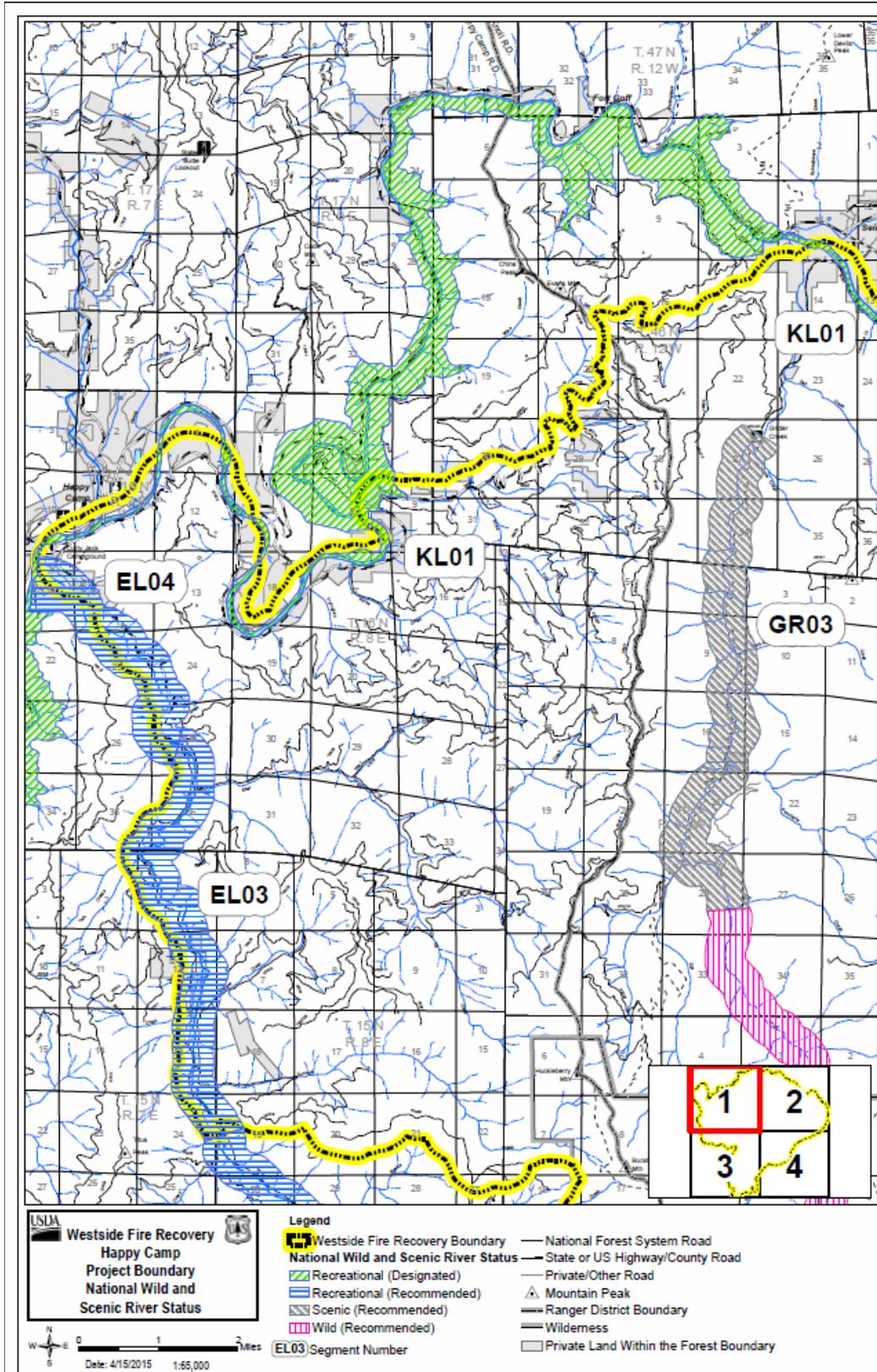


Figure 2: National Wild and Scenic River Status for the Happy Camp Complex (1 of 4) project area

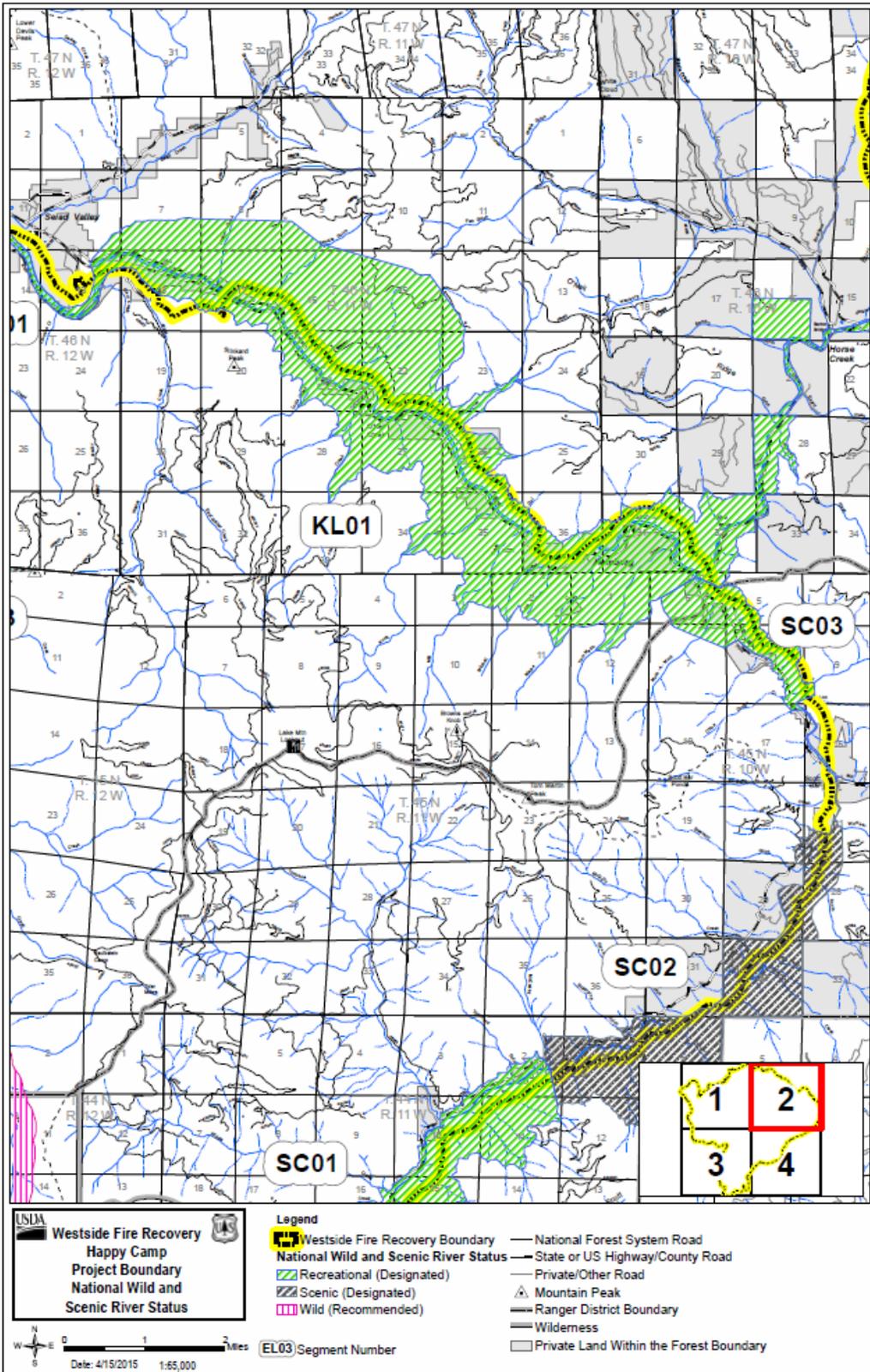


Figure 3: National Wild and Scenic River Status for the Happy Cap Complex (2 of 4) project area

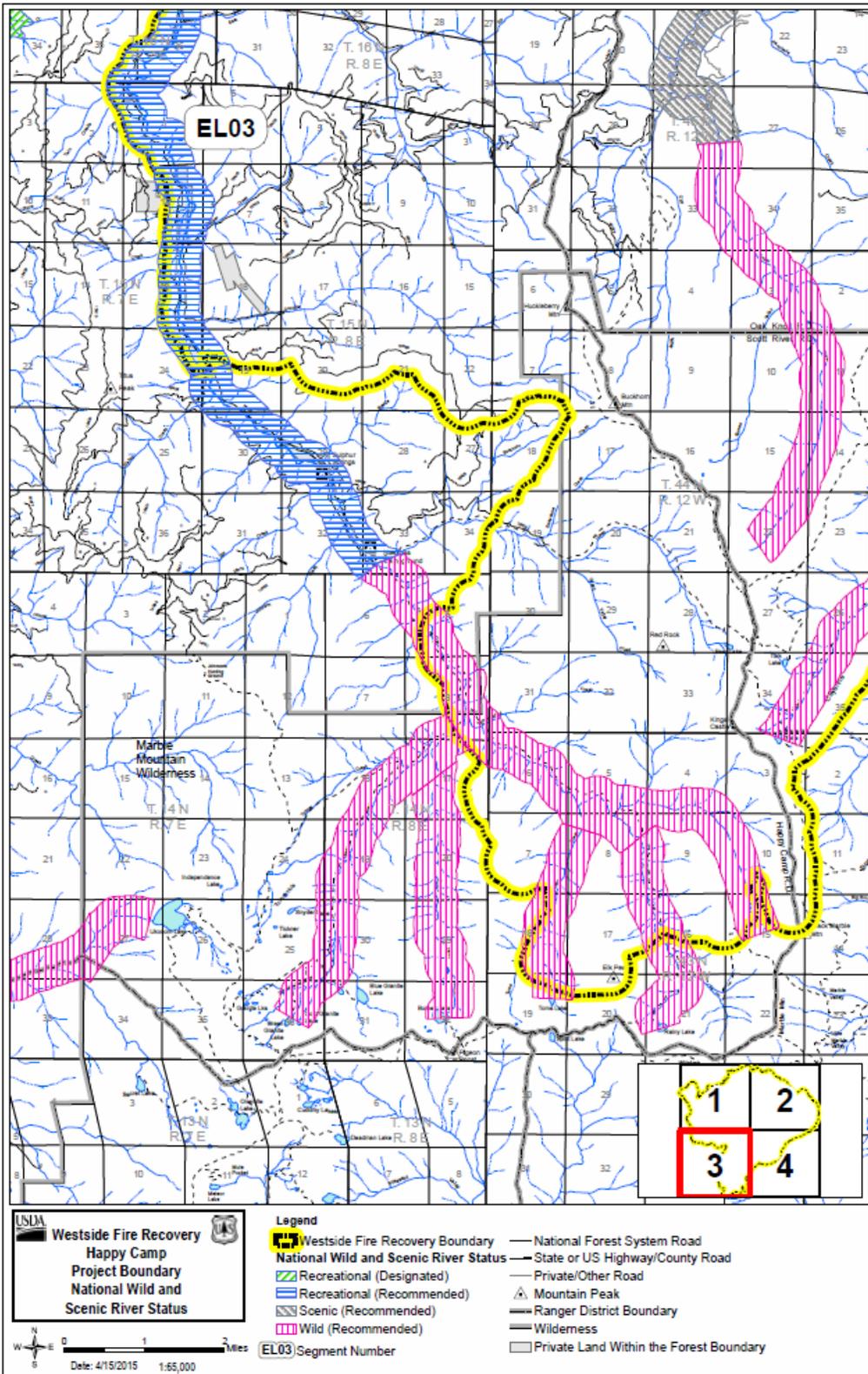


Figure 4: National Wild and Scenic River Status for the Happy Camp Complex (3 of 4) project area

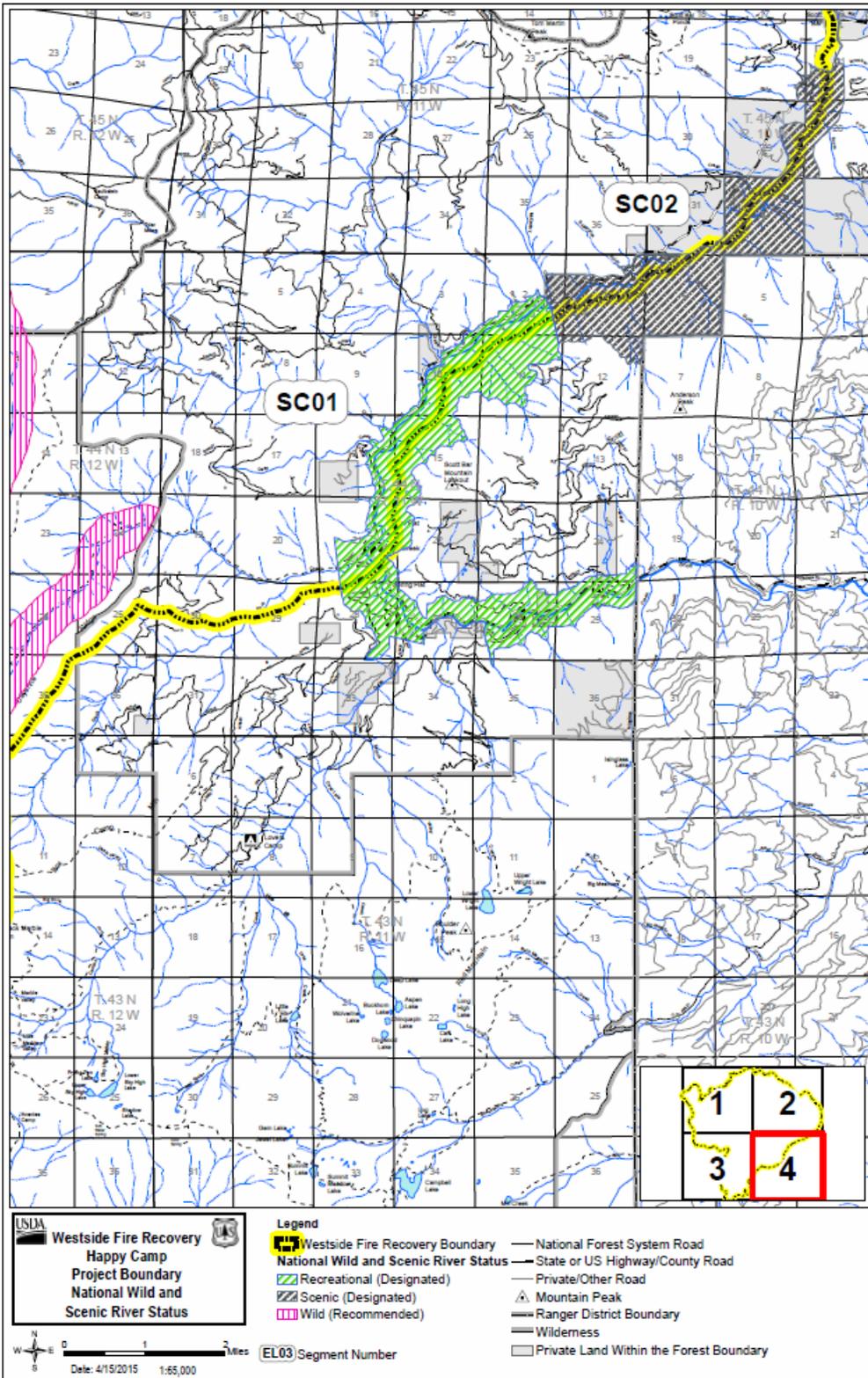


Figure 5: National Wild and Scenic River Status for the Happy Camp Complex (4 of 4) project area

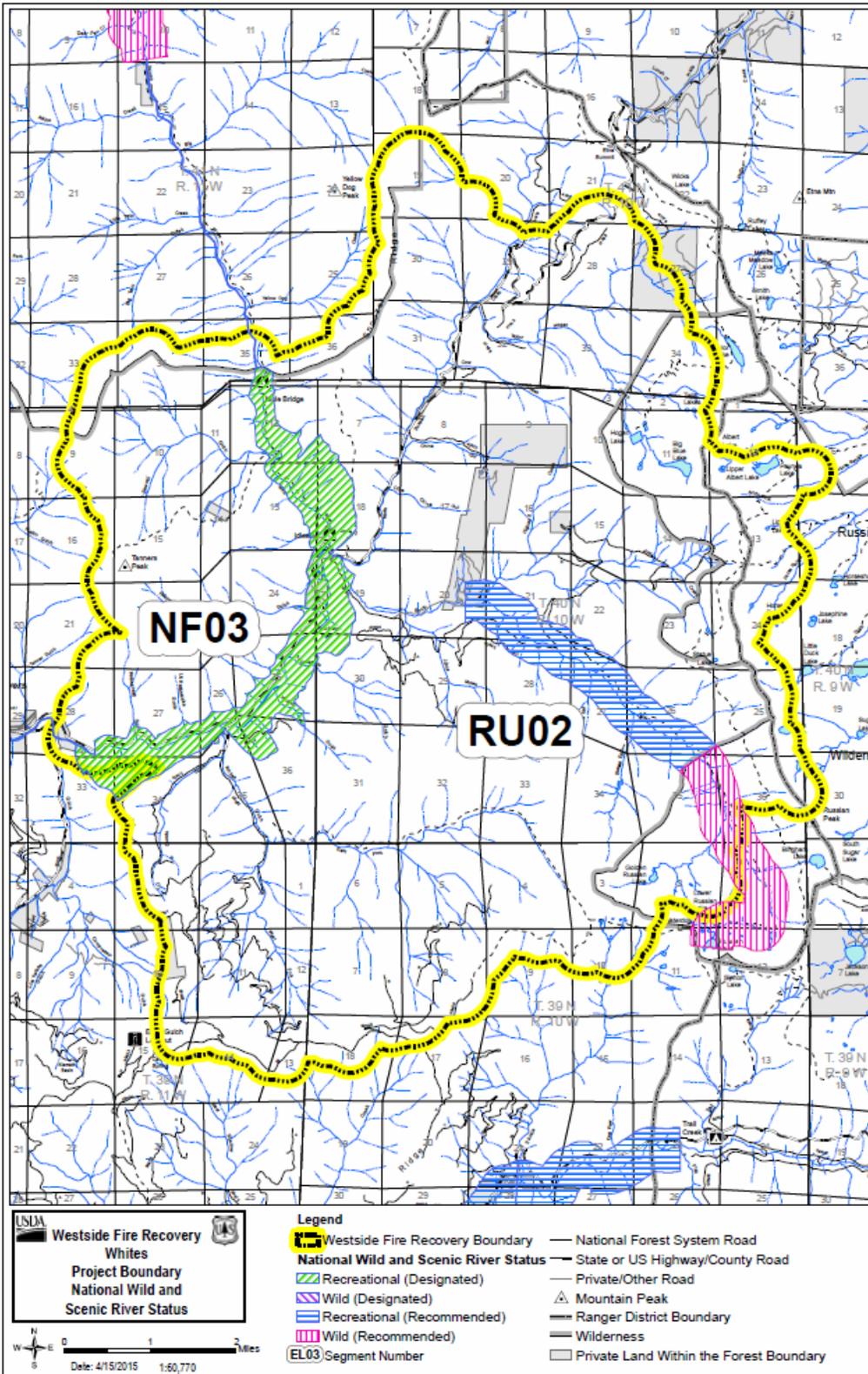


Figure 6: National Wild and Scenic River Status for the Whites Fire project area