
Appendix E—MSA Review

Comprehensive Review of the 1990 Sequoia National Forest Land Management Plan Mediated Settlement Agreement (MSA)

The MSA proposed wording changes for particular standards and guidelines in certain management emphasis areas. Where the proposed changes are still applicable to the Monument and comply with the Bush and Clinton proclamations, those standards and guidelines are carried forward in the Monument FEIS. Alternative E incorporates all appropriate MSA provisions. It includes current management direction from the Forest Plan and the MSA that was modified to comply with the Bush and Clinton proclamations. Each of the other alternatives includes applicable MSA provisions as well, as appropriate to the Monument and to the intent of the alternative.

The MSA recommended a number of modifications to, additions to, and deletions of standards and guidelines for vegetation management in the Forest Plan (USDA Forest Service 1990a, pp. 78-88, Exhibit N; USDA Forest Service 1988a, pp. 4-31 to 4-33). The Clinton proclamation, in establishing the Monument, removed the Monument area, through force of law, from being considered suitable for timber production. In addition, the 2001 Sierra Nevada Forest Plan Amendment (2001 SNFPA) removed timber as a goal for the Sequoia National Forest. As a result, between the Clinton proclamation and the 2001 SNFPA, many of the provisions recommended in the MSA were satisfied for the Sequoia National Forest and the Monument. However, some of the recommendations regarding silvicultural systems, diversity, and sugar pine management are still applicable to the Monument, when clearly needed for ecological restoration and maintenance or public safety.

Management direction in the 2001 SNFPA addresses aquatic, riparian, and meadow ecosystems through use of the aquatic management strategy and riparian conservation objectives to protect aquatic species habitat. This amendment to the Forest Plan met the intent of the MSA with respect to habitat management for rare and endemic species in the Monument (1990 MSA, pp. 5-6, 51-59, and 65-66).

Of the many sources of guidance associated with this plan amendment, the Clinton proclamation is the controlling direction. Direction, mentioned above, is followed only to the extent that it is consistent with the Clinton proclamation.

The following spreadsheet, while not all inclusive, identifies where interim direction from the MSA is addressed in this FEIS.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
1	II.A.1 Riparian Areas/ Meadows	5	Incorporate riparian standards and guidelines (S&Gs) (Exhibit D) into NEPA process and plan amendment.	X	X		
2	II.A.2 Riparian Areas/ Meadows	5	Implement riparian S&Gs during interim before plan amendment.				
3	II.A.2 Riparian Areas/ Meadows	5	Any timber sale contract predating MSA will be modified to conform to Riparian Standards & Guidelines.				
4	II.A.3 Riparian Areas/ Meadows	6	Do not re-use landings and roads in SMZ.		X		FEIS, Volume 2, Appendix A, All Action Alternatives, Standards and Guidelines, Hydrological Resources, Streamside Management Zones.
5	II.B.1.a,b Groves	6	Implement interim Giant Sequoia direction.			X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies Specific to Giant Sequoia Groves, by Alternative table.
6	II.B.1.c Groves	6	Portion of Converse Basin available for logging.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves. FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies Specific to Giant Sequoia Groves, by Alternative table.

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7	II.B.2.a.(1) Groves	7	Interim Grove Boundaries restrictions, no logging, restricted mechanical entry.				FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
7	II.B.2.a.(1) Groves	7	Interim Grove Boundaries restrictions, no logging, restricted mechanical entry.				FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies Specific to Giant Sequoia Groves, by Alternative table.
8	II.B.2.a.(1)(a) Groves, Interim Grove Boundaries restriction subject to exceptions for the purposes of this Agreement. The following mechanical/motorized uses only will be permitted inside an interim or final grove boundary line.	7	Expansion of parking lot at the Trail of 100 Giants.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
9	II.B.2.a.(1)(b) Groves, Interim Grove Boundaries restriction subject to exceptions for the purposes of this Agreement. The following mechanical/motorized uses only will be permitted inside an interim or final grove boundary line.	7	Use of existing roads.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.

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10	II.B.2.a.(1)(c) Groves, Interim Grove Boundaries restriction subject to exceptions for the purposes of this Agreement: The following mechanical/motorized uses only will be permitted inside an interim or final grove boundary line.	7-8	Designated OHV trails.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
11	II.B.2.a.(1)(d) Groves, Interim Grove Boundaries restriction subject to exceptions for the purposes of this Agreement: The following mechanical/motorized uses only will be permitted inside an interim or final grove boundary line.	8	Management in accordance with fuel load reduction plans.			X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies Specific to Giant Sequoia Groves, by Alternative table.
12	II.B.2.a.(1)(e) Groves, Interim Grove Boundaries restriction subject to exceptions for the purposes of this Agreement: The following mechanical/motorized uses only will be permitted inside an interim or final grove boundary line.	8	Use of light equipment to build and/or maintain trails.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
13	II.B.2.a.(1)(f) Groves, Interim Grove Boundaries restriction	8	Use of equipment to fight wildfire (use of heavy equipment off of existing			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.

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	subject to exceptions for the purposes of this Agreement: The following mechanical/motorized uses only will be permitted inside an interim or final grove boundary line.		roads will require Forest Supervisor approval).				
14	II.B.2.a.(2) Groves	8	Interim Grove Influence Zone (GIZ), 500 feet.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
15	II.B.2.a.(3) Groves	8,9	No logging in interim GIZ (plus 1,000’).			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
16	II.B.2.b.(1) Groves	9	Desirable to inventory all GS > 3’ dbh, request funding (this was a desired, not required goal).				
17	II.B.2.b.(2) Groves	9	Begin to inventory fuel load in groves, prioritize treatments.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
18	II.B.2.b.(3) Groves	10	No new road building, logging, mechanical entry within Grove admin boundary except for fuels reduction as part of adopted fuels reduction plan.			X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
19	II.B.2.c Groves	11 - 24	The interim direction for this section is explained in II.B.2.c.(2) (a) through (i) and identifies what constitutes a grove and what must be done as a minimum to delineate one.				FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.

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			It continues to identify what further procedures can be taken to better delineate a particular grove boundary.				
20	II.B.2.c.(2)(j)(i) Groves, Black Mtn Grove	16	Forest Road 21S12 beyond its intersection with road 21S25 shall be closed to the public.				
21	II.B.2.c.(2)(j)(ii) Groves, Belknap/McIntyre/Wheel Meadow Grove complex	16	Treat as one large grove.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
22	II.B.2.c.(2)(j)(iii) Groves, Greater Evans Grove complex	17	Manage as one large grove: Lockwood, Evan, Kennedy, Burton, Little Boulder, Boulder.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
23	II.B.2.c.(2)(j)(iv)(a) Groves, Freeman Creek Grove and Watershed	17	No logging and no motorized vehicle use by public anywhere in Freeman Creek Grove Management area. Shall manage as a botanical area.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
24	II.B.2.c.(2)(j)(iv)(b) Groves, Freeman Creek Grove and Watershed	18	Manage area outside botanical area as Regulation Class II.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
25	II.B.2.c.(2)(j)(iv)(c) Groves, Freeman Creek Grove and Watershed	18	Portion of Freeman Creek Trail Designated as Sensitivity Level 1.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
26	II.B.2.c.(2)(j)(v) Groves, Indian Basin Grove	18	(a) Mgt. direction for Princess Campground. No logging except for safety near campground (Indian	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.

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		Basin Grove). (b) 500 ft no logging, restricted mechanical entry zone outside perimeter, plus 500 ft GIZ.				
27 II.B.2.c.(2)(j)(vi) Groves	19	500 ft no logging, restricted mechanical entry zone outside perimeter line, plus 500 ft GIZ: Bearskin, Big Stump, Deer Creek, Grant, Landslide, Long Meadow, Packsaddle, Peyrone, Red Hill, Redwood Mountain, Starvation, Tennile.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
28 II.B.2.c.(2)(j)(vii) Groves	19	300 ft no logging, restricted mechanical entry zone outside perimeter line, plus 300 ft GIZ: Powderhorn, Alder Creek, Abbott Creek, Cherry Gap, Mountain Home, Cunningham.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
29 II.B.2.c.(2)(j)(viii) Groves	19	Converse Grove, 600 acres (preservation) 500 ft no logging, restricted mechanical entry zone outside of preservation area.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
30 II.B.2.c.(2)(j)(ix) Groves	20	Groves protected already and do not require precise boundary determinations: Agnew (Wilderness Area); Burro Creek (to be proposed as Wilderness); Deer Meadow (protected as part of Agnew Roadless			X	FEIS, Volume 1, Chapter 1, Background, Sequoia Groves and Grove Complexes table.

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		Area); Dillonwood (to be proposed as Wilderness); Maggie Mountain (Wilderness), Middle Tule (part Wilderness and part to be proposed as Wilderness) and Silver Creek Grove (to be proposed Wilderness).				
31	II.B.2.c.(2)(j)(x) Groves	Naturally occurring isolated giant sequoia (3 ft & larger) located inside or outside GIZ shall be protected by restricted mechanical entry within an area 2/3 the height of the tree; single tree selection logging permitted, as long as giant sequoia is protected.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
32	II.B.2.c.(2)(j)(xi) Groves	Naturally occurring giant sequoia (under 3 ft) located inside GIZ shall be protected from all logging operations, including specifically the root systems. Every reasonable effort made to protect giant sequoia outside GIZ.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
33	II.B.2.c.(2)(j)(xii) Groves	Detached naturally occurring group (10 or more giant sequoia, with 4 trees 3 ft or larger) designate as a grove; 300 ft no logging, restricted mechanical entry zone within grove boundary, plus 300 ft GIZ.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.

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II.B.2.c.(2)(j)(xiii) Groves	22	Discovery of unknown giant sequoia modify GIZ to include the trees.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
II.B.2.c.(2)(k-l) Groves	22-23	Rational Basis for Grove Boundary Team to adjust Final boundaries.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
II.B.2.c.(2)(3) Groves	23	Special written notice - any logging within 1,000 ft. of grove boundary.				FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
II.B.2.c.(2)(5) Groves	24	Groves with final administrative boundaries shall remain outside the suitable land base.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
II.B.2.d.(1) Complementary management in Groves Influence Zones and Outside of Groves	24-25	Regulation class 2, uneven age management within GS grove GIZ.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies Specific to Giant Sequoia Groves, by Alternative table.
II.B.2.d.(2) Complementary management in Groves Influence Zones and Outside of Groves	25	Special written notice—Road construction or logging upslope of GS.				FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
II.B.2.d.(3) Complementary management in Groves Influence Zones and Outside of Groves	26	Consider reg. class 2 helicopter yarding upslope of GS groves.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.

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41	II.B.2.e.(1) Groves (Special area designations)	26	Manage Freeman Creek Grove as a botanical area.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Giant Sequoia Groves.
42	II.B.2.e.(2) Groves (Special area designations)	26	Converse Grove Management.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies Specific to Giant Sequoia Groves, by Alternative table; and Vegetation Objectives; Giant Sequoia Groves.
43	II.B.2.f (1) Regeneration of cut-over giant sequoia groves	27	Objectives of regenerating cutover giant sequoia groves will be to restore these areas, as nearly as possible, to the former natural forest condition.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation; Vegetation Strategies; Strategies for Tree Species Regeneration, by Alternative table.
44	II.B.2.f (2) Regeneration of cut-over giant sequoia groves	27	Implementation of regeneration plan required by the Stipulation for Entry for Judgment dated 12/27/89, in Sierra Club v. U.S. Forest Service Case No. CVF-87-263 EDP.				
45	II.C.1 Grazing and Oak Management	28	Amend plan to clarify AUMs allotted will not be increased over 68,000.	X		X	FEIS, Volume 2, Appendix A, All Action Alternatives, Range.
46	II.C.2.a(1) Grazing and Oak Management amend LMP Rx BO6	28	Give priority to maintaining and enhancing blue oak.	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Vegetation;

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						Vegetation Objectives; Blue Oak-Interior Live Oak. FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems. FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).
47 II.C.2.a(2) Grazing and Oak Management amend LMP Rx BO6	28	Develop water, fences, trails, etc. to facilitate optimum use of forage.				FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).
48 II.C.2.a(3) Grazing and Oak Management amend LMP Rx BO6	28	Retain 700 lbs residual dry matter (RDM).	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).
49 II.C.2.a(4) Grazing and Oak Management amend LMP Rx BO6	29	Winter grazing allotments limited to <15 percent of preferred browse and <5 percent of staple species in heavily browsed condition.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).
50 II.C.2.a.(5) Grazing and Oak Management	29	Allotment management plans will emphasize wildlife use of mast crops.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).

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51	II.C.2.a.(6) Grazing and Oak Management	29	Frost, McDougald study as a threshold for oak recruitment. Adopt allotment-specific thresholds for oak recruitment.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).
52	II.C.2.a.7 Grazing and Oak Management	30	Frost, McDougald study as a threshold for oak recruitment. Develop long-term strategies for oak recruitment where allotments below are threshold.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Blue Oak Savanna (BO) and Associated Management Emphasis Grazing (6).
53	II.C.3.a Oak Management	30	In mixed conifer-hardwood stands leave at least 20 sq ft. per acre basal area where this currently exists.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
54	II.C.3.b Oak Management	30	Where it currently exists in pure hardwood stands maintain a minimum average of 50 sq ft. per acre basal area. Leave heavy mast-producing trees in any harvest of oaks.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
55	II.C.3.c Oak Management	31	Where it currently exists, leave a minimum of 30 sq ft per acre basal area of oaks in mixed conifer hardwood stands identified as key deer areas.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
56	II.C.3.d Oak Management	31	Live oak stands will not be subject to vegetative manipulations other than prescribed burning, thinning for vigor, or for wildlife	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.

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			and watershed habitat improvement.				
57	II.C.3.e Oak Management	31	In mixed hardwood-conifer or hardwood stands, favor retention of oak trees exhibiting active use as cavity-nesting sites or graineries.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
58	II.C.4 Black Oak amend LMP Rx OW6	31-33	Livestock grazing will be emphasized in black oak woodlands.	X	X		
59	II.C.4. Black Oak amend LMP Rx OW6 Fish and wildlife a.	32	Provide for 1.5 snags/ac (see section J.1.c).	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Wildlife and Plant Habitat.
60	II.C.4 Black Oak amend LMP Rx OW6 Fish and wildlife b.	32	Maintain at least 50 sq ft basal area per acre of oaks where it currently exists.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
61	II.C.4 Black Oak amend LMP Rx OW6 Fish and wildlife c.	32	Maintain understory vegetation to provide horizontal and vertical diversity.		X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
62	II.C.4 Black Oak amend LMP Rx OW6 Fish and wildlife d.	32	Ensure a stable and upward supply of oaks.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
63	II.C.4 Black Oak amend LMP Rx OW6 Fish and wildlife e.	33	Distribution of all age classes of oaks	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Vegetation, Hardwood Ecosystems.
64	II.C.4 Black Oak amend LMP Rx OW6 Range a.	33	Develop water, fences, trails, etc to facilitate optimum use of forage.				FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Oak Woodland (OW) and Associated Management Emphasis Grazing (6).

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65	II.C.4 Black Oak amend LMP Rx OW6 Range b.	33	Retain 700 lbs residual dry matter (RDM).	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Oak Woodland (OW) and Associated Management Emphasis Grazing (6).
66	II.C.4 Black Oak amend LMP Rx OW6 Range c.	33	Winter grazing allotments will limit browse utilization to a change of no more than 15 percent of preferred browse or 5 percent of staple species in heavily browsed conditions.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Oak Woodland (OW) and Associated Management Emphasis Grazing (6).
67	II.C.4 Black Oak LMP Rx OW6 Range d	33	Allotment management plans will emphasize wildlife use of mast crops.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Oak Woodland (OW) and Associated Management Emphasis Grazing (6).
68	II.C.5 Livestock Grazing of Burned Mixed Chaparral modify LMP prescription MC6 Fish & Wildlife a.	34	Provide wildlife adaptations in all water developments.	X			FEIS, Volume 2, Appendix A, All Action Alternatives, Wildlife and Plant Habitat, In Management Areas Mixed Chaparral (MC) and Associated Management Emphasis Grazing (6).
69	II.C.5 Livestock Grazing of Burned Mixed Chaparral modify LMP prescription MC6 Fish & Wildlife b.	34	Consider wildlife needs for cover and edge in vegetation manipulation projects.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Wildlife and Plant Habitat, In Management Areas Mixed Chaparral (MC) and Associated Management Emphasis Grazing (6).
70	II.C.5 Livestock Grazing of Burned.	34	Use Prescribed Fire as a primary method to	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range,

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	Mixed Chaparral amend LMP Rx MC6 Range a		accomplish age class management				In Management Areas Mixed Chaparral (MC) and Associated Management Emphasis Grazing (6).
71	II.C.5 Livestock Grazing of Burned Mixed Chaparral amend LMP Rx MC6 Range b.	34	Implement vegetative manipulation on slopes <40 percent when crown cover > 70 percent or average height exceeds 5 feet.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Mixed Chaparral (MC) and Associated Management Emphasis Grazing (6).
72	II.C.5 Livestock Grazing of Burned Mixed Chaparral amend LMP Rx MC6 Range c.	34	Develop water supplies, fences and trails where needed on intensively treated lands.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Mixed Chaparral (MC) and Associated Management Emphasis Grazing (6).
73	II.C.5 Livestock Grazing of Burned Mixed Chaparral amend LMP Rx MC6 Range d.	35	Allotment Management Plans (AMPs) will be used to prescribe management strategies for the first 3 growing seasons following prescribed fire.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Mixed Chaparral (MC) and Associated Management Emphasis Grazing (6).
74	II.C.6 Effects of prescribed fire on age-class and diversity in mixed chaparral	35	a. and b. Change management indicator species (MIS) for early seral stage habitats to include deer and California quail.	X	X		
75	II.C.7.a Changes to prescription MC5, Fish and Wildlife	36	a. Addresses distribution of chaparral age classes to maintain a healthy viable stand.	X	X		
76	II.C.7.b Changes to prescription MC5, Fish and Wildlife	36	b. Implement vegetative manipulation projects only when crown density of	X	X		

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			browse species is greater than 70 percent or average height exceeds 5 feet.				
77	II.C.7.c Changes to prescription MC5, Fish and Wildlife	36	c. Develop water supplies on intensively treated lands.	X	X		
78	II.C.7.d. Changes to prescription MC5, Fish and Wildlife	36	d. Treat vegetation on slopes > 40% to establish a 31+ year age class rotation.	X	X		
79	II.C.8.a Changes to prescription MC6 Fish and Wildlife a.	37	a. Provide wildlife adaptations in all water developments.	X	X		
80	II.C.8.b. Changes to prescription MC6 Fish and Wildlife b.	37	b. Consider wildlife needs for cover and edge in vegetation manipulation projects.	X	X		
81	II.C.8.a Changes to Rx MC6 Range a.	37	a. Use prescribed fire as a primary method to accomplish age class management.	X	X		
82	II.C.8.Changes to prescription MC6, Range b.	37	b. Implement vegetative manipulation on slopes <40 percent when cover > 70 percent or average height exceeds 5 feet.	X	X		
83	II.C.8. Changes to prescription MC6 Range c.	37	More than 50 percent of the prescribed fire are to occur in the late summer and fall.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Oak Woodland (OW) and Associated Management Emphasis Grazing (6).
84	II.C.8.a Changes to prescription MC6 Range d.	38	d. Develop water supplies, fences and trails where needed on intensively treated lands.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range, In Management Areas Mixed Chaparral (MC) and Associated

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						Management Emphasis Grazing (6).
85 II.C.9 Type Conversion	38-39	Requiring Plan Amendment to change and delete phrases in regard to type conversion.	X	X		
86 II.C.10.a Allotment Plans and Effectiveness	39	a. Add to forestwide S&Gs on LMP page 4-30: Allotment management plans will include specific information, etc.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range.
87 II.C.10.b.Allotment Plans and Effectiveness	39-40	b. Monitor effectiveness of Riparian S&Gs: The item states that forest wide standards and guidelines on Pages 4-30, of the plan ...shall be amended to change the sentence to read, "Monitor the effectiveness of the SQF's riparian and wetland S&G."	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Range.
88 II.C.10.c.Allotment Plans and Effectiveness	40	Include allot. mgt. plan revision on project planning schedule.				
89 II.D 2. Allowable Sale Quantity (ASQ)	41	Allowable sale quantity.				
90 II.D 3. Short fall in Timber Sale Program FY 1988 & 1989	42	Make up volume using salvage of dead and dying trees.				
91 II.D 4. Existing Timber Sales under Contract	42-43	Suspend logging & related activities Scraps TS units 12, 32, 33, 34, & 39, until compliance with section D.5.b(2).				

Appendix E—MSA Review

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
92	II.D. 5 a. (1-5) Interim Timber Sale Program	44-46	Watershed review - site specific field inspection if watershed threshold of concern (TOC) is above 80 percent.				
93	II.D. 5 a. (6) Interim Timber Sale Program	47	Post-project monitoring: Will be conducted in accordance with the Sierra (sic) National Forest Monitoring Plan. Monitoring will be conducted ... to ascertain if mitigation was implemented and effective				
94	II.D. 5 b. Spotted Owl Review (1-2)	47-49	For listed sales, identify sale units within 1.5 miles of the center of a SOHA.				FEIS, Volume 2, Appendix A, All Action Alternatives, Wildlife and Plant Habitat. California Spotted Owl.
95	II.D. 5 c. Casa-Guard timber sale	49	Address erosion problem at Rodeo Flat, repair water bars & side drains within Fish Creek drainage.				
96	II.D. 5 d. Miscellaneous timber sales	49	Meet with appellants- Hyde, Flat, & Rabbit- to meet settlement direction.				
97	II.D.6 Timber Industry Fund	50	Finance watershed improvement, reforestation, or recreation-related projects.				
98	Regional Forester agrees to expedite and decide all remaining pending administrative appeals involving Sequoia NF timber sales within 30 days of	50-51					

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
	the date of signing this agreement....						
99	II.E.Old Growth, Wildlife Species, & Fisheries 2. Spotted Owl Habitat Areas (SOHA) a.	51-52	Review SOHAs.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies and Objectives, Standards and Guidelines.
100	II.E.Old Growth, Wildlife Species, & Fisheries 2. Spotted Owl Habitat Areas (SOHA) b.(1 - 3)	52-55	Biological Evaluations for Spotted Owls.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies and Objectives, Standards and Guidelines.
101	II.E.3 Furbearers a., c.-e.	55-58	Furbearer (threatened and endangered and sensitive species management).	X	X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies and Objectives, Standards and Guidelines.
102	II.E.3 Furbearers b.	56	Sierra Nevada red fox, pine marten, and fisher managed as sensitive species.	X	X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies and Objectives, Standards and Guidelines.
103	II.E.4 Bald Eagles	58	Protect roost trees & feeding areas for bald eagle at Pine Flat & Kern River.	X	X		FEIS, Volume 1, Chapter 4, Environmental Consequences, Effects on Wildlife and Plant Habitat, Effects on Forest Service Sensitive Species, Bald Eagle.
104	II.E.5 Goshawk	58-59	Protection of identified goshawk nests; establish goshawk network.	X	X		FEIS, Volume 2, Appendix A, All Action Alternatives, Wildlife and Plant Habitat. Effects on Forest Service Sensitive Species, Northern Goshawk.
105	II.E.6 Condors	59	Management of potential/ active condor habitat until		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant

Appendix E—MSA Review

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
			condor recovery plan is implemented.				Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table.
106	II.E.6.a.(1 - 3) Suitability Criteria for Evaluating Nesting Sites	59	Management of potential condor nest sites in giant sequoia. (Previously inventoried potential condor nest trees in giant sequoias).		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table.
107	II.E.6.Condor b.(1)	60	Management of potential nesting habitat. No clear cutting w/in .5 miles.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table.
108	II.E.6.Condors b. (2)	60	Prohibits construction of new roads and trails w/ in .5 miles of any potential condor nesting site.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table.
109	II.E.6.Condors b.(3)	61-64	When condors are released and capable of nesting; in consultation with Condor Recovery Team, implement road and trail closure plan.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table.
110	II.E.6.Condors b.(3)(a)	61-62	All roads and trails within .5 miles of a potential nest site shall be closed to all use, January 1 through June 30, can lift after April 15 if condors are not nesting.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table. FEIS, Volume 1, Chapter 4, Environmental Consequences, Effects on Threatened, Endangered, or Sensitive Species, California Condor.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
111	II.E.6.Condors b.(3)(b)	62	If condors nesting with 1.5 miles of roads and trails, closure for balance of calendar year.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table. FEIS, Volume 1, Chapter 4, Environmental Consequences, Effects on Threatened, Endangered, or Sensitive Species, California Condor.
112	II.E.6.Condors b.(3)(c)	62-63	Exceptions: areas to remain open.		X		
113	II.E.6.c. Condors Management of Active Nesting Habitat	64	Limit water drafting near active nest sites.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table.
114	II.E.6.d. Condors, Management of Roosting Habitat	64	In roosting habitat: designate wildlife habitat management areas; prepare and implement road and trails closure plan.		X		FEIS, Volume 1, Chapter 2, Alternatives, Wildlife and Plant Habitat, Desired Conditions, Strategies for Wildlife and Plant Habitat, by Alternative table. FEIS, Volume 1, Chapter 4, Environmental Consequences, Effects on Threatened, Endangered, or Sensitive Species, California Condor.
115	II.E.7.a Fisheries	64	Amend plan regarding miles of stream needing repair in decade one.	X	X		
116	II.E.7.b Fisheries	65	Complete repair or enhancement of streams at 10% of needs/yr to achieve 50 miles within decade as prioritized by WINI.	X	X		FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Wildlife and Plant Habitat.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
117	II.E.7.c Fisheries	65	Amend Plan goals on 4-3 to add: Promote recreational opportunities by striving to increase fisheries biomass by 20 percent via habitat improvement projects.	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Wildlife and Plant Habitat Strategies; Strategies for Wildlife and Plant Habitat, by Alternative table.
118	II.E.7.d.(1) Fisheries	66	Portion of Section 30 in Slate Mountain roadless area managed for Kern River Rainbow Trout.	X	X		FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Wildlife and Plant Habitat
119	II.E.7.d.(2) Fisheries	66	Develop riparian demonstration area in critical habitat for Little Kern Golden Trout (LKG T).	X	X		FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Wildlife and Plant Habitat
120	II.E.7.d.(3) Fisheries	66	Rainbow Trout population surveys in connection with stream channel surveys for MIS monitoring.	X	X		FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Wildlife and Plant Habitat
121	II.E.7.d.(4) Fisheries	66	Base line data generated from stream surveys, fish assessment model and beneficial uses.	X	X		FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Wildlife and Plant Habitat
122	II.F.1 Suitable Lands	66	Suitable land base.			X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Vegetation, Including Giant Sequoia Groves, Giant Sequoia Groves; Vol. 2.
123	II.F.2. Suitable Lands	67	Identify lands not suitable for timber harvesting.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Vegetation, Including Giant

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
							Sequoia Groves, Giant Sequoia Groves; Vol. 2.
124	II.F.3. Suitable Lands	67	Remove specific areas from suitable land base.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Vegetation, Including Giant Sequoia Groves, Giant Sequoia Groves; Vol. 2.
125	II.F.4,5,6 Suitable Lands	67-69	Address reforestation surveys in timber sale EAs.				FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Vegetation, Including Giant Sequoia Groves, Giant Sequoia Groves; Vol. 2.
126	II.G.Roadless Areas, 2. Hume Lake District	69-70	Agnew Roadless Area.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Special Areas.
127	II.G.Roadless Areas, 3. Tule River District	70	Moses Roadless Area.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Special Areas.
128	II.G.Roadless Areas, 3. Tule River District	70-71	Slate Mountain Roadless Area will be divided into regulated and unregulated areas as shown on MSA Exhibit J. No commercial logging or timber roads will be allowed in the unregulated area, except in conjunction with proposed	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Special Areas.

Appendix E—MSA Review

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
			Peppermint Ski Resort. Portions of Section 30 will be managed to protect habitat of the Kern River rainbow trout. Coy drainage managed to protect Camp Nelson watershed and together with Rogers Camp saddle to provide old growth habitat between Slate Mountain and Black Mountain. Logging of regulated are will be limited to Reg. II sanitation, etc.				
129	II.G.Roadless Areas, 3. Tule River District	71	Black Mountain Roadless Area.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Special Areas.
130	II.G.Roadless Areas, 3. Tule River District	71	Dennison Roadless Area.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Special Areas.
131	II.G.Roadless Areas, 4. Hot Springs District	71	Lion Ridge Roadless Area	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Resource Areas; Special Areas. FEIS, Volume 1, Chapter 4, Environmental Consequences, Effects on Threatened, Endangered, or Sensitive Species, California Condor.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
132	II.G.Roadless Areas, 5. Cannell Meadow Ranger District	72	Woodpecker Roadless Area.	X			
133	II.G.Roadless Areas, 5. Cannell Meadow Ranger District	72	South Sierra Roadless Area.				
134	II.G.Roadless Areas, 5. Cannell Meadow Ranger District	72-75	Rincon Roadless Area.	X			
135	II.G.7, 8, 9 Roadless Areas	72-75	Follow roadless area and first entry EIS direction.				
136	II.H.1. Special Areas	75	1. Trail from Cannell Cabin to Kern River.	X			
137	II.H.2. Special Areas	75	2. Salmon Creek trail to Horse Meadow Camp to Salmon Falls.	X			
138	II.H.3. Special Areas	75	3. Big Meadows area on the Hume Lake District.	X		X	FEIS, Volume 1, Chapter 2, Alternative A, Human Use.
139	II.H.4. Special Areas	76	4. Freeman Creek Area.	X		X	FEIS, Volume 1, Chapter 2, Alternative A, Human Use.
140	II.H.5. Special Areas	76	5. California Riding and Hiking Trail.	X		X	FEIS, Volume 1, Chapter 2, Alternative A, Human Use.
141	II.H.6. Special Areas	76	6. Fish Creek watershed restoration in Fish Creek.	X	X		
142	II.H.7. Special Areas	77	7. Breckenridge, SOHAs and Condor roost areas.	X			FEIS, Volume 1, Chapter 2, Alternative A, Human Use.
143	II.H.8. Special Areas	77	8. Basket Pass condor roosting areas protection.	X			
144	II.H.9. Special Areas	77	9. Converse Basin Giant Sequoia Grove.	X		X	FEIS, Volume 1, Chapter 2, Alternative A, Human Use.
145	II.H.10. Special Areas	77	10. Lion and Blue Ridges condor roost areas.	X		X	FEIS, Volume 1, Chapter 2, Alternative A, Human Use.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
146	II.H.11. Special Areas	77	11. Taylor Creek watershed restoration.	X			
147	II.H.12. Special Areas	77	12. Fay and Caldwell Creeks watershed restoration.	X			
148	II.H.13. Special Areas	78	13. Rancheria Road managed as foreground partial retention visual objective.	X			FEIS, Volume 1, Chapter 2, Alternative A, Human Use.
149	II. (I) Timber	78-88	Conform to revised S&G's for timber mgt. (Exhibit N & p. 80-89).	X	X	X	FEIS, Volume 1, Chapter 4, Effects on Vegetation, Indirect Effects, Biomass Removal.
150	II.J Snags	88-91	Snag management.	X	X		
151	II.K Demonstration / research areas/ projects	92	SQF "shall identify timber sales of other projects, such as site preparation activities, which will be used to test and evaluate new approaches ..." At least two such projects for discussion at each annual meeting of the parties.				
152	II.L.2.a. Off-Highway Vehicles (OHV)	93-99	2. SPNM Areas. a. Sirretta Peak trail management and loop trail.				
153	II.L.2.b. Off-Highway Vehicles (OHV)	99-101	2. SPNM Areas. b. Dry meadow/Long Valley OHV trail in SPNM.				
154	II.L.3.a. Trail Plan Considerations	102	a. Develop more 4WD trails to create a better balance among users.			X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
155	II.L.3.b. Trail Plan Considerations	102-103	b. Inventory of trails and roads documenting tradeoffs.			X	FEIS, Volume 1, Chapter 4, Effects on the Transportation System, Indirect Effects, Trails and Motorized Recreation. FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
156	II.L.3.c. Trail Plan Considerations	103-104	c. Collaboration and cooperation to balance use.			X	FEIS, Volume 1, Chapter 4, Effects on the Transportation System, Indirect Effects, Trails and Motorized Recreation. FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
157	II.L.3.d. Trail Plan Considerations	104	d. Locate hiking and equestrian trails in other parts of the forest, especially along the Western Divide between Slate Mountain and Greenhorn Summit.			X	FEIS, Volume 1, Chapter 4, Effects on the Transportation System, Indirect Effects, Trails and Motorized Recreation. FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
158	II.L.4.a.(1) Off-Highway Vehicles (OHV), Plan Revisions	104-105	4. a. Prescriptions OW5, MC5, PS5, and CF5. (1) Dispersed Recreation.	X		X	FEIS, Volume 1, Chapter 4, Effects on the Transportation System, Indirect Effects, Trails and Motorized Recreation. FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
159	II.L.4.a.(2) Off-Highway Vehicles (OHV), Plan Revisions	105	4. a. (2) Under Dispersed Recreation #4.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
160	II.L.4.b. Off-Highway Vehicles (OHV), Plan Revisions	105-106	4. b. Prescription CF5	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
161	II.L.4.c. Off-Highway Vehicles (OHV), Plan Revisions	106	4. c. Prescriptions BO6, OW6, MC6, PS6, and CF6.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
162	II.L.4.d. Off-Highway Vehicles (OHV), Plan Revisions	106	4. d. Prescription CF6.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use;

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
							Desired Conditions, Strategies for Human Use, by Alternative table.
163	II.L.4.e. Off-Highway Vehicles (OHV), Plan Revisions	106-107	4. e. Prescription CF7.	X			
164	II.L.4.f. Off-Highway Vehicles (OHV), Plan Revisions	107	4. f. Amend Table 4.2 on page 4-13 through 4-15.	X			
165	II.L.4.g. Off-Highway Vehicles (OHV), Plan Revisions	107	4. g. Recreation Standards and Guidelines, p. 4-16.	X		X	FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Human Use; Desired Conditions, Strategies for Human Use, by Alternative table.
166	II.L.4.h. Off-Highway Vehicles (OHV), Plan Revisions	107	4, h. Add to p. 4-20 under "non-motorized."	X		X	FEIS, Volume 1, Chapter 4, Effects on the Transportation System, Indirect Effects, Trails and Motorized Recreation. FEIS, Volume 2, Appendix A, All Action Alternatives, Standards and Guidelines, Transportation System.
167	II.L.4.i. Off-Highway Vehicles (OHV), Plan Revisions	108	4. i. Strike from p. 4-90.	X			
168	II.M Yield/ASQ	108	Addresses basis for timber yield and allowable sale quantity.	X			
169	II.N.3.a. et al. Cumulative Watershed Effects (CWE)	109-117	Implementation of Panel Recommendations -- CWE Methodology.	X		X	FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
170	II.N.3.a.(1)(a) Cumulative Watershed Effects (CWE), CWE Methodology, (1) Beneficial Uses of Water., Proposed standards to add to the Forest Plan.	110	(a) The beneficial uses that are most sensitive to watershed disturbance are fish habitat and domestic supply. The Forest shall manage any watershed in which it has identified one of these as a beneficial use to protect such use, as per RWQCB Basin Plans, using developed criteria. The Forest shall identify and protect sensitive reach(es) (weakest links) in the watershed. In all cases, the Forest shall protect soil productivity.	X		X	FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects. FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
171	II.N.3.a.(1)(b) Cumulative Watershed Effects (CWE). CWE Methodology, (1) Beneficial Uses of Water., Proposed standards to add to the Forest Plan.	110	(b) The Forest shall determine the proper use of the watershed unit to be subject to CWE analysis based on the identified beneficial use(s). The unit size will generally range from 250 to 2,000 acres.	X		X	FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
172	II.N.3.a.(1)(c) Cumulative Watershed Effects (CWE), CWE Methodology, (1) Beneficial Uses of Water., Proposed	110-111	c. Each project NEPA document shall identify the beneficial uses of water and the most sensitive stream reach(es) as part of the CWE analysis.	X		X	FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Watershed Effects.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
	standards to add to the Forest Plan.						Resources, Cumulative Effects, Cumulative Watershed Effects.
173	II.N.3.a.(2)(a-f) Cumulative Watershed Effects (adapting regional guidelines on CWE analysis procedures)	111-114	“Facilitation of CWE analysis procedures... this will require taking field measurements during 1990-1991 and follow-up measurements during the 1991 season.				
174	II.N.3.b.(2)(a),(b) Cumulative Watershed Effects	117-119	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
175	II.N.3.b.(2)(c) CWE	119	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
176	II.N.3.b.(2)(d), CWE	120	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
177	II.N.3.b.(2)(e),CWE	120	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
178	II.N.3.b.(2)(f), CWE	120	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
179	II.N.3.b.(2)(g) CWE	120	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
180	II.N.3.b.(2)(h), CWE	120-122	Data Gathering & Monitoring.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
181	II.N.3.c. Cumulative Watershed Effects	122-123	Field Techniques.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail,

	Subject Area	MSA Page #	MSA Interim Direction	Plan Amendment Needed per MSA	Addressed in SNFPA	Addressed in GSNM FEIS	Where Addressed in GSNM FEIS
							Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
182	II.N.3.d.(1) Cumulative Watershed Effects	123	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
183	II.N.3.d.(2) Cumulative Watershed Effects	124	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
184	II.N.3.d.(3) Cumulative Watershed Effects	124-125	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
185	II.N.3.d.(4) Cumulative Watershed Effects	125	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources.

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186	II.N.3.d.(5-7) Cumulative Watershed Effects	125-126	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects. FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
187	II.N.3.d.(8) Cumulative Watershed Effects	126-127	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
188	II.N.3.d.(9) Cumulative Watershed Effects	127	Thresholds of Concern, Mitigation, Cessation of Management Activities.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.
189	II.N.3.e. Cumulative Watershed Effects	127	NEPA Documentation.				FEIS, Volume 1, Chapter 2, Alternatives Considered in Detail, Alternative A, Resource Areas, Hydrological Resources. FEIS, Volume 1, Chapter 4, Effects on Hydrological Resources, Cumulative Effects, Cumulative Watershed Effects.

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190	II.O. 1. Soil Quality Standards	127-128	Background information identifying needs and opportunities for improvement of soil and retention of soil organic material.				Resources, Cumulative Effects, Cumulative Watershed Effects. FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Soils; Strategies; Strategies for Soils, by Alternative table.
191	II.O. 2. Soil Quality Standards	128	2. The Plan shall be amended to incorporate the Soil Quality Objectives and Soil Quality Standards set forth in the Draft FSH 2509.18 Soil Management Handbook (FSH 1989, R-5, Supp. 1) dated September 1988 (attached as appendix to Monitoring Plan) as interim direction pending finalization. Any more stringent standard set forth in the Plan or this Agreement shall govern.	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Soils; Strategies; Strategies for Soils, by Alternative table.
192	II.O.3.a. Soil Quality Standards. Plan shall be amended to include the following standards to protect the Forest soils:	128	a. Site preparation measures will be devised to retain substantial ground cover and still reduce the risk of catastrophic fires.	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Soils; Strategies; Strategies for Soils, by Alternative table.
193	II.O.3.b. Soil Quality Standards. Plan shall be amended to include the following standards to protect the Forest soils:	129	b. Silvicultural prescription shall be designed to maintain soil organic matter and provide for the continual recruitment of coarse woody debris.	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Soils; Strategies; Strategies for Soils, by Alternative table.

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194	II.O.3.c. Soil Quality Standards. Plan shall be amended to include the following standards to protect the Forest soils:	129	c. After site prep, as much organic material as possible shall be left on the ground for soil protection, consistent with fire protection, wildlife, reforestation and other resource needs as specified in project NEPA document.	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Soils; Strategies; Strategies for Soils, by Alternative table.
195	II.O.3.d. Soil Quality Standards. Plan shall be amended to include the following standards to protect the Forest soils:	129	d. Jackpot burning, gross yarding, and/or top-and-scatter shall be evaluated as alternatives to broadcast burning as a means of reducing slash and for site preparation. These options shall be discussed in each timber sale EA or EIS. Consistent with reduction of clearcutting and other appropriate considerations, the Forest Service shall reduce the amount of broadcast burning on the Forest.	X	X		
196	II.O.3.e. Soil Quality Standards. Plan shall be amended to include the following standards to protect the Forest soils:	129	e. Where broadcast burning is prescribed, the environmental documentation and decision notice shall include documentation of specific justification for the practice. The prescription shall have an objective of leaving ground cover	X	X		FEIS; Volume 1; Chapter 2; Alternatives Considered in Detail; Desired Conditions, Strategies, and Objectives; Soils; Strategies; Strategies for Soils, by Alternative table.

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		<p>commensurate with the erosion potential of each specific site. Slope will be considered within the site analysis. Each broadcast burn shall be monitored to determine whether the prescribed ground cover objective has been met, and the monitoring results shall be included in the annual report required by the Monitoring Plan and the Five Year Review sections below.</p>				
197	II.P.2.a,b EA/EIS information	130	Notice and consultation.			
198	II.P.2.c EA/EIS information	130	Field review.			
199	II.P.3 EA/EIS information	130-135	substantive information requirements in NEPA document.			
200	II.Q.1,2,3 Database Improvement	135	Inventories and surveys of areas where land disturbing projects are proposed.			
201	II.Q.4a,b Database Improvement	135-136	Forest agrees to seek budgets annually that are sufficient to develop information in Section c.			
202	II.Q.4.c.(1) Database Improvement	137	WINI database updated annually.			
203	II.Q.4.c.(2) Database Improvement	137	Meadow inventory.			
204	II.Q.4.c.(3) Database Improvement	137	Stream channel Surveys.			

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205	II.Q.4.c.(4) Database Improvement	138	Fish habitat data.				
206	II.Q.4.c.(5) Database Improvement	138	Sensitive species habitat data.				
207	II.Q.4.c.(6) Database Improvement	138	MIS monitoring.		X		
208	II.Q.4.c.(7) Database Improvement	138	T&E species for recovery plans.				
209	II.Q.4.c.(8) Database Improvement	139	Sensitive Plants.				
210	II.Q.4.c.(9) Database Improvement	139	Ecological status of range allotments.				
211	II.R.1 Monitoring	139	The Plan will be amended to include the monitoring plan set forth in Exhibit O.	X		X	Monument Plan, Part 3— Design Criteria, Monitoring and Evaluation, Soils.
212	II.R.2.a,b Monitoring	139	Each Timber Sale will be monitored after contract and after site preparation.				
213	II.R.3 Monitoring (Wildlife)	140	Program monitoring shall include monitoring of wildlife habitat trends in accordance with Tri-forests Plan.		X		
214	II.R.4 Monitoring	140	Monitoring efforts will be documented in annual report.				
215	II.S.1. Implementation of Agreement	140	Priority to initiating the plan amendment process.				
216	II.S.2. Implementation of Agreement	140-141	Employment of Tule River Indian Tribe members.				
217	II.S.3. Implementation of Agreement	141-142	Letter to employees to emphasize importance of MSA.				

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218	II.T Budget	142-145	Budget and reporting on implementation of projects, mitigation, restoration projects.				
219	II.U. Multiple Use Liaison Committee (MULC) and Fact-finding	145-151	Process and agenda for annual meeting.				
220	II.V. Public Information and records	151-152	Designates reading room for all public records required in MSA, updated semi-annually.				
221	II.W. Annual report and 5-year review	152-153	Process for preparation and disclosure of annual accomplishments including monitoring and mitigation as well as 5 year review and determination of need for amendment.				
222	II.X. Enforcement	153	Rules for enforcement revocation of agreement.				
223	II.Y. NEPA Compliance	154	Process for amending LMP.				
224	III. Additional Matters	155	Rules for appeal and conduct.				

