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Table-100-Forest Soil Productivity

National Forest	Productivity group	Estimated % of Forest
Angeles (655,387 acres)	Low	50
	Moderate	27
	High	12
Cleveland (433,958 acres)	Low	70
	Moderate	15
	High	10
Los Padres (1,760,982 acres)	Low	50
	Moderate	35
	High	8
San Bernardino (671,686 acres)	Low	69
	Moderate	10
	High	3

Table-101-Air Pollution Control District Significance Criteria

Air District	Pollutant Level of Significance Lb/day			
	ROG	NOx	PM 10	CO
Monterey Bay Unified	150	150	82	
San Luis Obispo	25	25	25	550
Santa Barbara	240	240	80	
Ventura Ojai Valley	5	5		
Ventura (not Ojai Valley)	25	25		
San Joaquin	10 ton/yr	10 ton/yr		
Mojave	137	137	82	
South Coast	55	55	150	550
San Diego	N/A	N/A	N/A	N/A

Table-102-Estimated Annual Wildland Fire Emissions -- tons/year

	Air Districts								
	San Diego	South Coast	Mojave Dessert	Antelope Valley	San Joaquin Valley Unified	Ventura	Santa Barbara	San Luis Obispo	Monterey Bay Unified
Prescribed Fire Alts (1-5)(1)									
ROG	559	3,828	249	94	24	510	565	103	197
NOx	303	2,075	180	46	10	224	248	45	86
PM10	855	5,848	533	126	28	605	669	122	233
Prescribed Fire Alt 6(1)									
ROG	523	3,390	218	100	26	554	613	112	214
NOx	269	1,703	145	48	12	247	274	50	95
PM10	752	4,727	423	133	31	668	740	135	258
Historic Wildfire(2)									
ROG	11,277	21,225	3,305	2,022	239	12,758	6,897	18,007	11,046
NOx	1,883	3,545	552	338	40	2,131	1,152	3,007	1,845
PM	7,976	15,011	2,337	1,430	169	9,023	4,877	12,735	7,812

(1) Emission estimates from Air Quality Conformity Handbook: A Handbook for Land Managers, 1995
(2) Emission estimates from AP-42 Miscellaneous Sources, www.epa.gov/ttn/chief/ap42/ch13/final/c13s01.pdf accessed on 8/3/2003

Table-103-Suitability Study Summary for Candidate Wild and Scenic Rivers, LPNF

River Name	Eligible Miles	Segment No.	Alt 1	Alt 2		Alt 3		Alt 4		Alt 5	Alt 6	
Arroyo Seco River	18.4	1	0.0	2.5	W	2.5	W	2.5	W	0.0	2.5	W
		2	0.0	0.0		0.5	R	0.5	R	0.0	0.5	R
		3	0.0	10.5	S	10.5	S	10.5	S	0.0	10.5	S
		4	0.0	0.0		4.9	R	4.9	R	0.0	4.9	R
Indian Creek	14.7	1	0.0	9.6	W	9.6	W	0.0		0.0	9.6	W
		2	0.0	5.1	S	5.1	W	0.0		0.0	5.1	W
Little Sur River	8.2	1	0.0	0.0		4.9	W	0.0		0.0	4.9	W
		2	0.0	0.0		3.3	R	0.0		0.0	3.3	R
Mono Creek	24.2	1	0.0	4.5	W	4.5	W	0.0		0.0	4.5	W
		2	0.0	19.7	S	19.7	S	0.0		0.0	19.7	S
Piru Creek	38.5	1	0.0	5.8	W	5.8	W	5.8	W	0.0	5.8	W
		2	0.0	20.4	S	20.4	S	20.4	S	0.0	20.4	S
		3	0.0	4.7	W	4.7	W	4.7	W	0.0	4.7	W
		4	0.0	7.6	S	7.6	S	7.6	S	0.0	7.6	S
San Antonio River	8.6	1	0.0	0.0		0.0		0.0		0.0	7.6	W
		2	0.0	0.0		0.0		0.0		0.0	1.0	S
U. Sespe Creek	11.5	2	0.0	9.5	R	9.5	R	9.5	R	0.0	9.5	R
		3	0.0	2.0	S	2.0	S	2.0	S	0.0	2.0	S
Total Miles	124.1		0.0	101.9		115.5		68.4		0.0	124.1	

W=Wild river; S=Scenic river; R=Recreational river

Table-104-Major Developed Recreation Sites Capacity

Site Type	Angeles		Cleveland		Los Padres		San Bernardino	
	Sites	PAOTs	Sites	PAOTs	Sites	PAOTs	Sites	PAOTs
Family Campgrounds	49	5,895	17	3,275	67	5,885	25	4,920
Group Campgrounds	8	1,195	5	802	5	715	20	1,060
Picnic Areas	40	4,652	6	365	14	1,928	13	2,900
Equestrian Campgrounds	0	0	0	0	0	0	4	220
Boating	2	717	0	0	0	0	1	100
Interpretive Site	7	759	8	213	0	0	11	879
Trail Head	22	5,098	12	1,180	25	2,526	15	1,822
TOTAL	128	18,316	48	5,835	111	10,410	89	11,901
Year of Comparison/ Total PAOT	**1987**	**13,360**	**1986**	**4,193**	**198?**	**10,571**	**1989**	**8,561**

Source: Forest INFRA II DRS Site V Report, June 2003

Table-105-Recreation Special Use Authorization Summary

Category of Use:	Angeles		Cleveland		Los Padres		San Bernardino		Total	
	#	Acres	#	Acres	#	Acres	#	Acres	#	Acres
Clubs	7	41	5	33	3	9	6	7	21	90
Organization Camps	26	206	0	0	9	187	26	322	61	715
Recreation Residences	511	110	306	160	123	40	769	250	1,709	560
Resorts	6	16	2	13	0	0	1	3	9	32
Campgrounds	4	167	2	70	8	276	10	272	24	785
Park, Playground	3	236	0	0	1	40	0	0	4	276
Recreation Events	22	738	5	162	6	1,294	9	85	42	2,279
Outfitter and Guides	1	1	0	0	7	185	12	10,032	20	10,218
Winter Recreation Resort	5	1,459	0	0	0	0	4	2,033	10	2,876
Total	585	2,974	320	438	157	2,031	838	12,388	1,900	17,831

Source: INFRA / SUDS, 7/9/03 as validated by Forest staff

Table-106-Miles of Inventoried Trails by Forest

Forest	Miles of System Trails	Motorized Trails	Non-motorized Trails - General Forest Area	Non-Motorized Trails - Wilderness	National Recreation & PCT	Unclassified Trails
Angeles	648	60	534	54	63/114	167
Cleveland	274	31	162	81	11/50	154
Los Padres	1,184	151	351	682	22/0	1,360
San Bernardino	452	38	280	134	13/160	52
Total	2,558	280	1,327	951	109/324	1,733

PCT: Pacific Crest National Scenic Trail

Table-107-Designated Grazing Areas Status, Acreages, and Permitted AUMS by Forest

2002	Status		Total Acres By Land Ownership		Capable Acres By Land Ownership		AUMS By Land Ownership		% AUMS
National Forest	Active	Vacant	Total	NFS	Total	NFS	Total	NFS	%NFS
Angeles	5	2	52,298	50,860	24,627	23,631	2,983	2,983	100
Cleveland	25	8	161,746	126,697	89,423	49,544	20,483	9,030	44
Los Padres	95	46	873,110	757,250	466,587	410,640	70,202	40,302	57
San Bernardino	16	10	206,192	184,931	124,779	122,573	5,109	3,747	73
Totals	141	66	1,293,346	1,119,738	705,416	606,388	98,777	56,062	

Table-108-Grazing Suitabilty by Forest by Alternative

		Angeles	Cleveland	Los Padres	San Bernardino	Totals
# Grazing Areas		7	33	141	26	207
NFS Capable Area		23,631	49,544	410,640	122,573	606,388
Alt 1	#	7	33	135	26	201
	Acres	23,631	45,597	406,867	121,987	598,082
Alt 2	#	5	26	115	18	164
	Acres	16,902	42,347	351,488	56,225	466,962
Alt 3	#	5	25	110	18	158
	Acres	16,902	36,766	331,914	56,225	441,807
Alt 4	#	5	26	110	18	159
	Acres	16,902	42,347	320,290	56,225	435,764
Alt 5	#	5	31	125	26	187
	Acres	16,977	44,573	371,377	121,326	554,253
Alt 6	#	0	0	0	0	0
	Acres	0	0	0	0	0

Table-109-Vegetation (Uplands) and Riparian Conditions

2002	Vegetation - Desired Condition				Riparian - Desired Condition			
National Forest	Meeting	Moving Towards	Not Meeting	Undetermined	Meeting	Moving Towards	Not Meeting	Undetermined
Angeles	14,710	0	0	0	1,257	0	0	0
Cleveland	11,713	71,123	1,858	26,904	182	2,370	378	50
Los Padres	190,794	12,256	4,131	5	5,721	940	387	30
San Bernardino	22,192	3,545	6,600	100,480	22	14	84	2694
Totals	239,409	86,924	12,589	127,389	7,182	3,324	749	2774

Table-110-Cause of Fire Occurrence 1970-1999, by Forest

Cause	Angeles	Cleveland	Los Padres	San Bernardino
1970s				
Human Caused	1,073	948	807	1,769
Lightning	191	116	171	551
Total	1,264	1,064	978	2,310
1980s				
Human Caused	1,213	804	513	1,844
Lightning	169	101	185	485
Total	1,382	905	698	2,329
1990s				
Human Caused	1,980	921	497	1,807
Lightning	210	75	143	370
Total	2,190	996	640	2,177

Table-111-Key Fire Management Issues Ranked by Alternative Under Current (CUR) and Enhanced (ENH) Budget Levels

Management Issues	Alt 1		Alt 2		Alt 3		Alt 4		Alt 5		Alt 6	
	CUR	ENH	CUR	ENH	CUR	ENH	CUR	ENH	CUR	ENH	CUR	ENH
Wildland Urban Interface	M	H	M	H	M	H	M	H	M	M	M	H
Suppression Effectiveness and Firefighter Access	M	H	M	H	M	H	M	H	M	H	M	L
Recreation Use and Transportation Corridors	M	M	M	M	H	H	M	M	M	M	H	VH

L=Low
M=Medium
H=High
VH=Very High

Table-113-Results Of Threat Assessment For Animal Species Of Conservation Concern In The Plan Area, Number Of Species In Each Threat Category

Federal or State Status	Number of Animal Species	1	2	3	4	5	6
Endangered	25*	5	3	0	6	10	1
Threatened	11	0	1	0	4	5	1
Proposed	1	1	0	0	0	0	0
Candidate	2	2	0	0	0	0	0
Sensitive	33* *	0	4	7	14	8	0
State	37	1	3	9	14	9	1
Other	88	1	6	18	42	19	2
Total	197	10	17	34	80	51	5

** Mohave Tui Chub is not present on the national forests. A hybridized form, not recognized as a federally listed species, is located on the San Bernardino N.F.*
** *Yellow-billed cuckoo is included within Candidate status.*

Table-114-Results Of Threat Assessment For Plant Species Of Conservation Concern In The Plan Area, Number Of Species In Each Threat Category

Federal Status	Number of Plant Species	1	2	3	4	5	6
Endangered	20	3	6	0	0	11	0
Threatened	10	0	1	0	3	6	0
Candidate	2	1	0	0	0	1	0
Sensitive	134	1	10	4	71	48	0
Watch List	120	5	20	11	62	22	0
Other	1	0	0	1	0	0	0
Total	287	10	37	16	136	88	0

Table-115-Threatened And Endangered Plant Species With No Substantial Threats To Persistence Or Distribution Identified From Forest Service Activities

Scientific Name	Rationale
Baccharis vanessae	Only population is located in wilderness with no activities in the vicinity.
Brodiaea filifolia	Species has not been found in plan area. Only population is apparently a stable hybrid between this species and Brodiaea orcuttii. No substantial threats to hybrid population identified.
Caulanthus californicus	Protocol surveys determined species is not present in the planning area. No designated critical habitat for *Caulanthus californicus* in the plan area.
Ceanothus ophiochilus	The primary threat to populations of this species on Forest Service land is a short-interval reburn of the stands, all of which burned in 2000. Fires in this area typically start off-Forest, outside of Forest Service control. Forest Service efforts to prevent another fire will help conserve the species.
Cirsium loncholepis	Taxonomic work determined that plants thought to be *Cirsium loncholepis* were in fact another, unlisted species of thistle (*Cirsium quercetorum*) (Keil 2003). No designated critical habitat for *Cirsium loncholepis* in the plan area.
Dodecahema leptoceras	Fencing of occurrences on National Forest System lands now protects this species from impacts.
Dudleya cymosa ssp. ovatifolia	Existing populations on NFS land are not substantially threatened by occasional recreation in habitat (per consultation). Species occurs on steep talus slopes where people generally don't go.
Eremalche kernensis	Only *Eremalche parryi* is found on NFS land; *Eremalche kernensis* is restricted to the floor of the San Joaquin Valley (U.S. Fish and Wildlife Service 1998). No designated critical habitat for *Eremalche kernensis* in the Plan area.
*Eriastrum hooveri**	Occurrences on Los Padres National Forest are not threatened by current land uses and populations are stable in numbers and distribution. Species is on CNPS List 4 ? a Watch List. No designated critical habitat for *Eriastrum hooveri* in the Plan area.

**Species delisted by FWS, October 2003.*

Table-116--Threatened and Endangered Animal Species with No Substantial Threats to Persistence or Distribution

Threatened and Endangered Animal Species with No Substantial Threats to Persistence or Distribution	
Common Name	Rationale
California tiger salamander	Not known to occur on National Forest System lands and low potential for habitat.
California brown pelican	Coastal areas are only used as occasional pelican roosting sites during part of the year; management of those lands has little effect on the conservation of this species.
California least tern	No known breeding reported on National Forest System lands. Several years of surveys and communication with species experts indicate that the California least tern is highly unlikely to nest on beach property of Los Padres National Forest.
Marbled murrelet	Survey information and range distribution information is limited, yet not known to nest on the Forests of southern California. Potential habitat on National Forest System lands is mostly unroaded or wilderness.
Mountain plover	Not present on National Forest System lands, and species lists for Forest Service projects from U.S. Fish and Wildlife Service no longer include this species.
Yellow-billed cuckoo	No known populations on National Forest System lands and limited potential habitat.
Mohave tui chub	Not present on the Forests. A hybridized form, not recognized as a federally listed species, is located on the San Bernardino National Forest.
Tidewater goby	Populations are not known to extend onto National Forest System lands.
Shay Creek unarmored three-spine stickleback	Known to occur on National Forest System lands in only one area; species will be minimally influenced by management actions taken on NFS lands. However, the San Bernardino National Forest can continue to play a strong role in collaborating with other agencies in regards to overall water management within the Big Bear basin to benefit this species.
Conservancy fairy shrimp	Known site is fenced to exclude impacts.
Longhorn fairy shrimp	Not known to occur on National Forest System lands.
San Diego fairy shrimp	Not known to occur on National Forest System lands.
Smith's blue butterfly	Ongoing Forest Service activities have little potential to affect the host plants for this butterfly or, as a result, larvae or adults themselves.
Vernal pool fairy shrimp	The major threat is destruction of habitat. Pools present on the Los Padres National Forest are not subject to loss by agricultural or urban development.
Coachella Valley round-tailed ground squirrel	No known population on National Forest System lands and low potential for habitat.
Giant kangaroo rat	Not known to occur on National Forest System lands, very limited potential habitat on National Forest System lands.
San Joaquin kit fox	Only limited potential foraging habitat on the Los Padres National Forest.
Southern sea otter	Primarily a marine species with limited use of coastal lands. Beach management has little effect on species conservation.
Steller's sea lion	Use of coastal land limited to occasional haul outs on beach. Beach management has little effect on species conservation.

Threatened and Endangered Animal Species with No Substantial Threats to Persistence or Distribution	
Common Name	Rationale
Stephens' kangaroo rat	Known to occur on National Forest System lands from one area; known and potential habitat not threatened by management activities.
Blunt-nosed leopard lizard	Because of the limited occurrence on the Los Padres National Forest, conservation of the full species will be minimally influenced by management actions taken on National Forest System lands.
Desert tortoise	There are very few individual tortoises on or near the National Forest System lands. Experts consider the habitat on and adjacent to the Forest to be marginally suitable and unimportant to the species as a whole.

Table-117-Road Density With Road Miles By Forest (NFSR, Temporary And Unclassified) Roads, And State And Count

	Forest Square Miles (Forest Acres / 640 Acres)				
	ANF	CNF	LPNF	SBNF	Total
Forest acres	662,983	420,877	1,781,364	665,753	3,530,977
Square Miles	1,036	658	2,783	1,040	5,517
NFSR Miles	1,220	770	1,751	2,182	5,923
NFS Road Density	1.2	1.2	0.6	2.1	1.1
State/County Miles	261	225	343	299	1,128
Road Density	0.2	0.3	0.1	0.3	0.2
Total Miles	1,481	995	2,094	2,481	7,051
Road Density	1.4	1.5	0.8	2.4	1.3

Table-118-Conservation Emphasis

Strategy	Species Or Habitat Identified As Needing The Indicated Conservation Strategies
Education/Inform/Interpretation	Riparian plant and animal species, Aquatic animal species, cliff animal species, beach animal species, American badger, Condor, *Delphinium hutchinsoniae*, *Pedicularis dudleyi*, Pebble plains and carbonate plant species.
Survey/Inventory	Stream habitat surveys, riparian and aquatic animal species, reptiles, SB flying squirrel, SB kangaroo rat, SB white-eared pocket mouse, monkey grasshopper and other invertebrates (quino checkerspot, Smith's blue butterfly and Laguna Mountain skipper), resident rainbow trout, southern rubber boa, *Camissonia hardhamiae, Delphinium hutchinsoniae, Horkelia yadonii, Lupinus ludovicianus, Oxytheca parishii ssp. abramsii, Plagiobothrys uncinatus, Sanicula maritima*
Corrective Action/Intervention (e.g., barriers, re-routes)	Riparian, aquatic, and cliff animal species, Harbison's dun skipper, *Sidalcea hickmanii ssp. parishii*, Sanicula maritime, Pebble plains and carbonate plant species, Pedate Checkermallow and Slender-Petaled Mustard
Habitat Improvement/ Restoration	Riparian and aquatic animal species, CA spotted owl, Nelson's and Peninsular Bighorn sheep, *Arctostaphylos cruzensis, Malacothamnus palmeri var. lucianus, Thermopsis macrophylla*
Monitor/Study	MIS, Riparian and aquatic animal species including macroinvertebrates, CA spotted owl, condor, bald eagle, Nelson's bighorn sheep, Laguna Mountain skipper, *Carex obispoensis, Pentachaeta exilis ssp. aeolica, Sanicula maritima, Sidalcea hickmanii ssp. hickmanii, Sidalcea hickmanii ssp. parishii, Thermopsis macrophylla*, Pebble plains and carbonate plant species, Pedate Checkermallow and Slender-Petaled Mustard

Table-123-Watershed Acreage, Land Ownership And Summary Of Watershed Condition Ratings By Forest

National Forest	Watersheds	Watershed Acreage	Non-NFS land Acreage	Percent of Watershed in Non-NFS land	Watershed Condition Rating		
					Good	Moderate	Poor
Angeles	21	2,533,874	1,698,373	67%	11	7	3
Cleveland	13	2,520,093	1,935,145	77%	4	8	2
Los Padres	35	4,623,278	2,895,933	63%	18	16	1
San Bernardino	19	3,295,926	2,454,011	74%	10	3	6
Total	88	12,973,121	8,983,462	69%	43	34	12

Table-124-Water Located Within The Southern California Planning Area

National Forest	Miles of Stream	Acres of Lakes and Reservoirs
Angeles	385	6,765
Cleveland	348	8,498
Los Padres	1,134	8,477
San Bernardino	531	6,576
Total	2,398	30,316

Table-125-Percentage Of Total Watersheds Allocated For Public Water Supplies

National Forest	% of Watersheds That Serve As Public Water Supplies	% of Watersheds With Filed Water Rights	% of Watersheds Where Filed Water Rights Account For 25% of Estimated Annual Flow	% of Watersheds Fully Appropriated or Adjudicated
Angeles	45	100	17	33
Cleveland	32	36	5	59
Los Padres	34	97	3	20
San Bernardino	52	52	15	74

Table-126-Percent Of Modeled RCA Acreage Relative To Total NFS Land Base

National Forest	NFS Land Total Acreage	RCA Total Acreage	Percent RCA Out Of Total NFS Lands Acreage
Angeles	655,855	99,291	15
Cleveland	434,496	62,238	14
Los Padres	1,767,979	379,291	21
San Bernardino	672,393	116,101	17
Total	3,530,723	656,921	19

Table-164-Eligibility Inventory Summary for Candidate Wild and Scenic Rivers, ANF

Name	Total Study Miles	Fork	Segment No.	Segment Miles	Total Eligible Miles	Eligible Mileage by Land Owner			Potential Class	Outstandingly Remarkable Values	Free flow
						Private	Other	NFS			
Mojave/Santa Clarita Rivers Ranger District											
Elizabeth Lake Creek	14.2		1	14.2	0.0	0.0	0.0	0.0	N/A	N/A	N
Little Rock Creek	18.4	Main	1	15.8	15.8	0.0	0.0	15.8	S	Fish&Wildlife	Y
		Cooper	2	2.6	2.6	0.0	0.0	2.6	S	Fish&Wildlife	Y
San Francisquito Creek	13.0	Upper	1	8.4	8.4	2.5	0.0	5.9	R	Fish&Wildlife	Y
		Lower	2	4.6	4.6	1.3	0.0	3.3	R	Geology, Fish&Wildlife, Historic	Y
San Gabriel River Ranger District											
San Antonio Creek	7.6	Upper	1	3.6	3.6	0.1	0.0	3.5	R	Scenery, Recreation	Y
		Lower	2	4.0	0.0	0.0	0.0	0.0	N/A	N/A	N
San Gabriel River	4.2	North	1	4.2	4.2	0.0	0.0	4.2	R	Fish&Wildlife	Y
	15.7	East	1	8.4	8.4	0.3	0.0	8.1	W	Scenery, Recreation, Fish&Wildlife, Historic	Y
			2	7.3	7.3	1.3	0.0	6.0	R	Fish&Wildlife, Historic	Y
	16.0	West	1	8.6	0.0	0.0	0.0	0.0	N/A	None	Y
			2	7.4	0.0	0.0	0.0	0.0	N/A	N/A	N
Los Angeles River Ranger District											
Arroyo Seco Creek	14.4	Upper	1	8.2	0.0	0.0	0.0	0.0	N/A	None	Y
		Lbear	2	2.0	0.0	0.0	0.0	0.0	N/A	None	Y
		Bear	3	2.7	0.0	0.0	0.0	0.0	N/A	None	Y
		Lower	4	1.5	0.0	0.0	0.0	0.0	N/A	None	Y
Big Santa Anita Creek	9.8	Main	1	3.5	0.0	0.0	0.0	0.0	N/A	None	Y
		North	2	0.7	0.0	0.0	0.0	0.0	N/A	None	Y
		East	3	2.6	0.0	0.0	0.0	0.0	N/A	None	Y
		Winter	4	3.0	0.0	0.0	0.0	0.0	N/A	None	Y
Big Tujunga River	33.6	Upper	1	13.9	0.0	0.0	0.0	0.0	N/A	N/A	N
		Fox	2	7.3	0.0	0.0	0.0	0.0	N/A	None	Y
		Lower	3	8.0	0.0	0.0	0.0	0.0	N/A	N/A	N
		Trail	4	4.4	0.0	0.0	0.0	0.0	N/A	None	Y
Totals	146.9			146.9	54.9	5.5	0.0	49.4			

W = Wild class, S = Scenic class, R = Recreation class

Table-165-Eligibility Inventory Summary for Candidate Wild and Scenic Rivers, CNF

Name	Total Study Miles	Fork	Segment No.	Segment Miles	Total Eligible Miles	Eligible Mileage by Land Owner			Potential Class	Outstandingly Remarkable Values	Free flow
						Private	Other	NFS			
Descanso Ranger District											
Boulder Creek	9.2		1	9.2	0.0	0.0	0.0	0.0	N/A	N/A	N
Cedar Creek	12.5		1	12.5	0.0	0.0	0.0	0.0	N/A	None	Y
Cottonwood Creek	26.0		1	11.9	11.9	6.1	0.0	5.8	R	Cultural	Y
			2	14.1	0.0	0.0	0.0	0.0	N/A	None	Y
Noble Canyon Creek	4.8		1	4.8	0.0	0.0	0.0	0.0	N/A	None	Y
Pine Valley Creek	24.8		1	24.8	0.0	0.0	0.0	0.0	N/A	None	Y
San Diego River	11.1		1	11.1	0.0	0.0	0.0	0.0	N/A	None	Y
Palomar Ranger District											
Main San Luis Rey River	3.4	Main	1	3.4	3.4	2.0	0.0	1.4	R	Fish&Wildlife	Y
Upper San Luis Rey River	3.3	Upper	1	3.3	0.0	0.0	0.0	0.0	N/A	None	Y
West San Luis Rey River	7.4	West	1	7.4	0.0	0.0	0.0	0.0	N/A	None	Y
Trabuco Ranger District											
San Juan Creek	6.6		1	6.6	0.0	0.0	0.0	0.0	N/A	None	Y
San Mateo Creek and Devil Canyon	15.3	Main	1	11.9	11.9	0.0	0.3	11.6	W	Fish&Wildlife, Botany	Y
		Devil	2	3.4	3.4	0.0	0.7	2.7	W	Fish&Wildlife, Botany	Y
Trabuco Creek	5.5		1	2.1	0.0	0.0	0.0	0.0	N/A	None	Y
			2	3.4	0.0	0.0	0.0	0.0	N/A	None	Y
Totals	129.9			129.9	30.6	8.1	1.0	21.5			

W = Wild class, S = Scenic class, R = Recreation class

Table-166-Eligibility Inventory Summary for Candidate Wild and Scenic Rivers, LPNF

Name	Total Study Miles	Fork	Segment No.	Segment Miles	Total Eligible Miles	Eligible Mileage by Land Owner			Potential Class	Outstandingly Remarkable Values	Free Flow
						Private	Other	NFS			
Monterey Ranger District											
Arroyo Seco River	18.4		1	2.5	2.5	0.0	0.0	2.5	W	Scenery, Recreation, Geology, Fish&Wildlife	Y
			2	0.5	0.5	0.0	0.0	0.5	R	Scenery, Recreation, Geology, Fish&Wildlife	Y
			3	10.5	10.5	0.0	0.0	10.5	S	Scenery, Recreation, Geology, Fish&Wildlife	Y
			4	4.9	4.9	1.3	0.0	3.6	R	Scenery, Recreation, Geology, Fish&Wildlife	Y
Carmel River	9.2		1	9.2	0.0	0.0	0.0	0.0	N/A	None	Y
Little Sur River	24.8	North	1	4.9	4.9	0.0	0.0	4.9	W	Botany	Y
			2	3.3	3.3	2.1	0.0	1.2	R	Botany	Y
			3	4.2	0.0	0.0	0.0	0.0	N/A	None	Y
		South	4	10.4	0.0	0.0	0.0	0.0	N/A	None	Y
		Main	5	2.0	0.0	0.0	0.0	0.0	N/A	None	Y
San Antonio Creek	8.6		1	7.6	7.6	0.0	0.0	7.6	W	Scenery, Cultural, Historic	Y
			2	1.0	1.0	0.0	0.0	1.0	S	Scenery, Cultural, Historic	Y
Tassajara Creek	10.4		1	5.4	0.0	0.0	0.0	0.0	N/A	None	Y
			2	0.8	0.0	0.0	0.0	0.0	N/A	None	Y
			3	4.2	0.0	0.0	0.0	0.0	N/A	None	Y
Mount Pinos Ranger District											
Piru Creek	57.3		1	5.8	5.8	0.0	0.0	5.8	W	Recreation, Geology, Fish&Wildlife, Cultural	Y
			2	20.4	20.4	1.8	0.0	18.6	S	Recreation, Geology, Fish&Wildlife, Cultural	Y
			3	4.7	4.7	0.0	0.0	4.7	W	Recreation, Geology, Fish&Wildlife, Cultural	Y
			4	7.6	7.6	0.8	0.0	6.8	S	Recreation, Geology, Fish&Wildlife, Cultural	Y

Name	Total Study Miles	Fork	Segment No.	Segment Miles	Total Eligible Miles	Eligible Mileage by Land Owner			Potential Class	Outstandingly Remarkable Values	Free Flow
						Private	Other	NFS			
Ojai Ranger District											
Piru Creek (cont.)			5	3.7	0.0	0.0	0.0	0.0	N/A	None	Y
			6	12.7	0.0	0.0	0.0	0.0	N/A	None	Y
			7	2.4	0.0	0.0	0.0	0.0	N/A	None	Y
Matilija Creek	17.9		1	9.1	0.0	0.0	0.0	0.0	N/A	None	Y
			2	1.7	0.0	0.0	0.0	0.0	N/A	None	Y
		North	3	7.1	0.0	0.0	0.0	0.0	N/A	None	Y
Santa Paula Creek	12.1		1	6.3	0.0	0.0	0.0	0.0	N/A	None	Y
			2	2.7	0.0	0.0	0.0	0.0	N/A	None	Y
		East	3	3.1	0.0	0.0	0.0	0.0	N/A	None	Y
Upper Sespe Creek	21.3		1	9.8	0.0	0.0	0.0	0.0	N/A	None	Y
			2	9.5	9.5	1.1	0.0	8.4	R	Scenery, Recreation, Fish&Wildlife	Y
			3	2.0	2.0	0.0	0.0	2.0	S	Scenery, Recreation, Fish&Wildlife	Y
Santa Barbara Ranger District											
Indian Creek	14.7		1	9.6	9.6	0.0	0.0	9.6	W	Geology, Fish&Wildlife, Cultural	Y
			2	5.1	5.1	0.0	0.1	5.0	W	Geology, Fish&Wildlife	Y
Mono Creek	24.2		1	4.5	4.5	0.0	0.0	4.5	W	Fish&Wildlife	Y
			2	19.7	19.7	0.6	0.0	19.1	S	Fish&Wildlife	Y
Santa Cruz Creek	15.0	East	1	7.1	0.0	0.0	0.0	0.0	N/A	None	Y
		West	2	4.7	0.0	0.0	0.0	0.0	N/A	None	Y
			3	3.2	0.0	0.0	0.0	0.0	N/A	None	Y
Santa Ynez River	26.1		1	3.2	0.0	0.0	0.0	0.0	N/A	None	Y
			2	11.8	0.0	0.0	0.0	0.0	N/A	N/A	N
			3	11.1	0.0	0.0	0.0	0.0	N/A	N/A	N
Santa Lucia Ranger District											
La Brea Creek	29.0	North	1	12.3	0.0	0.0	0.0	0.0	N/A	None	Y
		South	2	13.1	0.0	0.0	0.0	0.0	N/A	None	Y
			3	3.6	0.0	0.0	0.0	0.0	N/A	None	Y
Lopez Creek	11.5		1	6.7	0.0	0.0	0.0	0.0	N/A	None	Y
			2	1.1	0.0	0.0	0.0	0.0	N/A	None	Y
			3	3.7	0.0	0.0	0.0	0.0	N/A	None	Y
Manzana Creek	18.4		1	18.4	0.0	0.0	0.0	0.0	N/A	None	Y
Sisquoc River	4.2	South	1	4.2	0.0	0.0	0.0	0.0	N/A	None	Y
Totals	323.1			323.1	124.1	7.7	0.1	116.3			

W = Wild class, S = Scenic class, R = Recreation class

Table-167-Eligibility Inventory Summary for Candidate Wild and Scenic Rivers, SBNF

Eligibility Inventory Summary for Candidate Wild and Scenic Rivers, SBNF											
Name	Total Study Miles	Fork	Segment No.	Segment Miles	Total Eligible Miles	Eligible Mileage by Land Owner			Potential Class	Outstandingly Remarkable Values	Free flow
						Private	Other	NFS			
Front Country Ranger District											
Lytle Creek	11.4	North	1a	9.7	0.0	0.0	0.0	0.0	N/A	None	Y
			1b	1.7	0.0	0.0	0.0	0.0	N/A	N/A	N
	7.3	Mid	1	1.4	0.0	0.0	0.0	0.0	N/A	None	Y
			2	2.4	2.4	0.0	0.0	2.4	S	Fish&Wildlife	Y
			3a	2.9	0.0	0.0	0.0	0.0	N/A	None	Y
			3b	0.6	0.0	0.0	0.0	0.0	N/A	N/A	N
	4.9	South	1	4.9	0.0	0.0	0.0	0.0	N/A	None	Y
Whitewater River	5.8	North	1	5.8	5.8	0.0	0.0	5.8	W	Scenery, Fish&Wildlife	Y
	5.3	Mid	1	5.3	5.3	1.5	0.0	3.8	W	Scenery, Fish&Wildlife	Y
	15.0	South	1	2.8	2.8	0.0	0.0	2.8	W	Scenery, Fish&Wildlife	Y
			2	0.3	0.0	0.0	0.0	0.0	N/A	N/A	N
			3	8.0	8.0	2.2	0.0	5.8	W	Scenery, Fish&Wildlife	Y
		E of S	4	2.3	2.3	0.0	0.0	2.3	W	Scenery, Fish&Wildlife	Y
			5	0.2	0.0	0.0	0.0	0.0	N/A	N/A	N
			6	1.4	1.4	0.0	0.0	1.4	W	Scenery, Fish&Wildlife	Y
Mountaintop Ranger District											
Bear Creek	9.3		1	8.9	8.9	0.0	0.0	8.9	S	Recreation, Fish&Wildlife	Y
			2	0.4	0.0	0.0	0.0	0.0	N/A	None	Y
Deep Creek	21.4		1a	1.4	0.0	0.0	0.0	0.0	N/A	None	Y
			1b	0.3	0.0	0.0	0.0	0.0	N/A	N/A	N
			2	10.7	10.7	0.0	0.0	10.7	S	Scenery, Recreation, Fish&Wildlife, Cultural, Botany	Y
			3	9.0	9.0	0.0	0.0	9.0	W	Scenery, Recreation, Geology, Fish&Wildlife, Cultural, Botany	Y
Fish Creek	5.2		1	3.6	3.6	0.0	0.0	3.6	W	Botany	Y
			2	1.6	0.0	0.0	0.0	0.0	N/A	None	Y
Holcomb Creek	15.1		1	9.3	9.3	0.0	0.0	9.3	R	Scenery, Fish&Wildlife, Botany	Y
			2	5.8	5.8	0.0	0.0	5.8	W	Scenery, Fish&Wildlife, Botany	Y

Eligibility Inventory Summary for Candidate Wild and Scenic Rivers, SBNF											
Name	Total Study Miles	Fork	Segment No.	Segment Miles	Total Eligible Miles	Eligible Mileage by Land Owner			Potential Class	Outstandingly Remarkable Values	Free flow
						Private	Other	NFS			
Santa Ana River	30.6	South	1	2.4	2.4	0.0	0.0	2.4	W	Scenery, Recreation, Fish&Wildlife, Botany	Y
			2	2.3	0.0	0.0	0.0	0.0	N/A	N/A	N
			3	13.9	13.9	1.8	0.0	12.1	R	Scenery, Recreation, Fish&Wildlife, Historic, Botany	Y
			4	3.5	3.5	0.4	0.0	3.1	S	Scenery, Recreation, Fish&Wildlife, Historic, Botany	Y
			5	8.5	0.0	0.0	0.0	0.0	N/A	N/A	N
Siberia Creek	3.0		1	3.0	3.0	0.0	0.0	3.0	S	Botany	Y
San Jacinto Ranger District											
Bautista Creek	13.4		1	13.4	13.4	1.7	1.3	10.4	R	Fish&Wildlife, Heritage, Cultural, Botany	Y
Fuller Mill Creek	3.4		1	3.4	3.4	1.1	0.4	1.9	R	Fish&Wildlife	Y
Palm Creek	13.1		1	5.0	0.0	0.0	0.0	0.0	N/A	None	Y
			2	8.1	8.1	0.5	0.0	7.6	W	Scenery, Cultural, Botany	Y
San Jacinto River	12.6	North	1	2.3	2.3	0.0	2.3	0.0	W	Scenery, Fish&Wildlife	Y
			2	9.1	9.1	1.6	0.0	7.5	R	Scenery, Fish&Wildlife	Y
			3	1.2	0.0	0.0	0.0	0.0	N/A	N/A	N
Totals	176.8			176.8	134.4	10.8	4.0	119.6			

W = Wild class, S = Scenic class, R = Recreation class

Table-168-Population Characteristics Compared for the U.S., Calif, and So. Calif Assessment Areas in 1990 and 2000 (Part 1 of 2)

Variable	United States		California		SANDAG		SCAG	
	1990	2000	1990	2000	1990	2000	1990	2000
Total Population (mm)	248.7	281.4	29.8	33.9	2.5	2.8	14.6	16.5
Percent of the State (%)								
Hispanic or Latino (of any race) (%)	9.0	12.5	25.8	32.4	20.4	26.7	33.1	40.6
Not Hispanic or Latino (%)	91.0	87.5	74.2	67.6	79.6	73.3	66.9	59.4
One Race	N/A	85.8	N/A		N/A	70.4	N/A	57.1
White (%)	75.6	69.1	57.2	48.8	65.4	55.0	49.7	38.8
Black or African American (%)	11.7	12.1	7.0	7.0	6.0	5.5	8.0	7.3
American Indian or AlaskaNative	0.7	0.7	0.6	1.1	0.6	0.5	0.4	0.4
Asian/other Pacific Islander (%)	2.8	3.7	8.8	11.9	7.4	9.1	8.8	10.4
Some Other Race (%)	0.1	0.2	0.2	1.1	0.2	0.2	N/A	0.2
Two or More Races	N/A	1.6	N/A	2.7	N/A	2.9	N/A	2.3
Persons per square mile	70.3	79.6	190.8	217.2	594.1	670	383.9	434.7
Average Household Size	2.63	2.59	2.79	2.87	2.69	2.73	2.98	3.08
Median Age	32.9	35.3	31.4	33.3	30.9	33.2	30.6	32.3
Males to 100 females	95.1	96.3	1.0	99.3	1.04	101.2	1.00	100.7
Education, persons 25 or older								
Less than a 9th grade education	10.4	7.5	11.2	11.5	7.6	7.9	13.8	13.7
High school graduate or higher	75.2	80.4	76.2	76.8	81.9	82.6	72.2	73.0
Bachelors degree or higher	20.3	24.4	23.4	26.6	25.3	29.5	18.7	20.9

NA = not available
-- = not applicable
Sources: U.S. Department of Commerce, Bureau of the Census 2000;
Source: U.S. Census Bureau
Note: This table provides a summary for the United States of the data that are included in the Redistricting Data Summary File for states. Data are shown for the population indicating one race and for the population indicating two or more races. The population of one race is the total of the population in the 6 categories of one race. The population of two or more races is the total of the population in the 57 specific combinations of two or more races. The redistricting files for states include data for all 63 groups.
This table summarizes data from the four detailed tables in the redistricting files for states. The difference between the population by race in 1990 and the population by race in 2000 is because individuals could report only one race in 1990 and could report more than one race in 2000. Due to other changes in the census questionnaire, the race data for 1990 and 2000 are not directly comparable. Thus, the difference in population by race between 1990 and 2000 is due both to these changes in the census questionnaire and to real change in the population. 2 Numbers for the six race groups may add to more than the total population and the six percentages may add to more than 100 percent because individuals may indicate more than one race. For example, a person indicating "American Indian and Alaska Native and Asian and Native Hawaiian and Other Pacific Islander" is included with American Indian and Alaska Native, with Asian, and with Native Hawaiian and Other Pacific Islander. 3 The Hispanic or Latino population may be of any race. Source: Table 3 in this news release, and U.S. Census Bureau, 1990 census.

Table-169-Population Characteristics Compared for the U.S., Calif, and So. Calif Assessment Areas in 1990 and 2000 (Part 2 of 2)

Variable	California		Central Coast		Central Valley		ABAG	
	1990	2000	1990	2000	1990	2000	1990	2000
Total Population (mm)	29.8	33.9	1.2	1.3	3.4	4.1	5.5	6.2
Percent of the State (%)								
Hispanic or latino (of any race) (%)	25.8	32.4	25	33.2	23.8	31.4	15.7	19.5
Not Hispanic or latino (%)	74.2	67.6	75	66.8	76.2	68.4	84.3	80.5
One Race	N/A		N/A	64.4	N/A	65.2	N/A	77.2
White (%)	57.2	48.8	66.5	57.1	62.0	49.9	58.8	47.8
Black or African American (%)	7.0	7.0	3.2	2.3	5.9	6.4	9.3	7.9
American Indian or AlaskaNative	0.6	1.1	0.6	0.5	0.9	0.8	0.5	0.3
Asian/other Pacific Islander (%)	8.8	11.9	4.6	4.3	7.4	8.0	15.8	20.8
Some Other Race (%)	0.2	1.1	N/A	0.2	N/A	0.2	N/A	0.3
Two or More Races	N/A	2.7	N/A	2.3	N/A	3.1	N/A	3.4
Persons per square mile	190.8	217.2	119.5	132.9	150.8	180.3	1203	1350
Average Household Size	2.79	2.87	2.72	2.79	2.96	3.06	2.60	2.66
Median Age	31.4	33.3	31.8	34.4	29.8	31.1	34.0	36.2
Males to 100 females	1.0	99.3	1.04	103.2	1.02	104.4	1.00	99.4
Education, persons 25 or older								
Less than a 9th grade education	11.2	11.5	10.0	11.1	15.8	14.7	6.8	6.9
High school graduate or higher	76.2	76.8	79.5	79.1	68.8	71.1	83.8	84.9
Bachelors degree or higher	23.4	26.6	25.2	28.2	14.4	15.4	31.7	38.2

Table-170-Language Spoken at Home, State of California, 2000

Language Spoken At Home California, 2000 Census	Number	Percent
Total Population, Age 5 years and over	31,416,269	100.0
English only	19,014,873	60.5
Language other than English	***12,401,756***	***39.5***
Speak English less than "very well"	62,77,779	20.0
Spanish	8,105,505	25.8
Speak English less than "very well"	43,03,949	13.7
Other Indo-European languages	1,335,332	4.3
Speak English less than "very well"	453,589	1.4
Asian and Pacific Island languages	27,09,179	8.6
Speak English less than "very well"	1,438,588	4.6

Table-171-Comparative Median and Per Capita Income in 1999 Dollars

Indicator	United States	California	Southern California Assessment Area
Median Income, Households	$41,994	$47,493	$49,442
Median Income, Families	$50,046	$53,025	$55,808
Per Capita Income	$21,587	$22,711	$23,054
Median Earnings, Male Full-Time	$37,057	$40,624	$41,318
Median Earnings, Female Full-Time	$27,194	$31,722	$31,475
Income Below Poverty Level, All Ages	12.4%	14.2%	13.7%
Income Below Poverty Level, Related Under 18	16.1%	19.0%	17.3%
Income Below Poverty Level, 65 Years or Older	9.9%	8.1%	7.9%
Income Below Poverty Level, Families	9.2%	10.6%	10.0%

Table-172-Income and Employment Impacts

County	County Federal Employment[1]	Forest Employment Base Level[3]	County Total Personal Income (MM$)[1]	Forest Expenditures Base Level (MM$)[3]	Total Tax Collections (MM$)[1]	USFS Federal Payments in Lieu of Taxes 1999 (MM$)[2]
South Coast						
San Diego	42,600		83,183.4		296.4	0.14
Imperial	1,800		2,549.8		12.5	0
Los Angeles	57,900		263,814.8		1,484.0	0.514
Orange	13,000		93,332.5		194.8	0.029
Riverside	6,800		35,619.8		140.4	0.068
San Bernardino	11,400		34,984.1		130.2	0.234
sum	133,500	980	513,484.4	85.9	2,258.3	0.985
		0.7%		0.02%		0.04%
Central Coast						
Kern	9,800		12,776.5		134.4	0.233
Monterey	5,000		10,927.1		62.1	0.022
San Luis Obispo	800		6,134.2		64.5	0.013
Santa Barbara	4,000		11,817.3		82.6	0.044
Santa Cruz	700		8,223.9		48.2	0
Ventura	8,200		22,083.0		96.1	0.04
sum	28,500	260	71,962.0	22.0	488.0	0.352
		0.4%		0.03%		0.07%

Source:
[1]California Department of Finance, data for 1999
[2]Angeles, Cleveland, LosPadres, and San Bernardino business plans
[3]USDA National Finance Center

Table-173-Regional Direct, Indirect, and Induced Employment Attributable to National Forests

	Total Jobs						
Angeles NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	528	647	652	646	652	649	642
Payments to States/Counties	15	15	15	15	15	15	15
Public recreation expenditures [1]	3,705	3,705	3,890	3,520	3,951	4,075	3,334
Public wildlife and Fish expenditures [1]	1,757	1,757	1,845	1,669	2,109	1,933	1,581
Commercial minerals expenditures [1]	59	59	59	59	59	59	59
Public grazing expenditures [1]	3	3	2	2	2	2	0
Total Employment Attributable to FS	6,067	6,186	6,463	5,911	6,788	6,733	5,631
Cleveland NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service program expenditures	373	461	460	459	459	463	460
Payments to States/Counties	11	11	11	11	11	11	11
Public recreation expenditures [1]	1,265	1,265	1,328	1,202	1,518	1,392	1,139
Public wildlife and Fish expenditures [1]	789	789	828	750	947	868	710
Commercial minerals expenditures [1]	0	0	0	0	0	0	0
Public grazing expenditures [1]	7	7	6	5	6	7	0
Total Employment Attributable to FS	2,445	2,533	2,633	2,427	2,941	2,741	2,320
Los Padres NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	461	586	617	615	611	620	630
Payments to States/Counties	8	8	8	8	8	8	8
Public recreation expenditures [1]	1,483	1,483	1,557	1,409	1,779	1,631	1,334
Public wildlife and Fish expenditures [1]	729	729	765	692	874	802	656
Commercial minerals expenditures [1]	129	129	129	129	129	129	129
Public grazing expenditures [1]	64	63	55	52	50	58	0
Total Employment Attributable to FS	2,874	2,998	3,131	2,905	3,451	3,248	2,757
San Bernardino NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	557	720	720	720	717	724	716
Payments to States/Counties	9	9	9	9	9	9	9
Public recreation expenditures [1]	4,482	4,482	4,706	4,258	5,379	4,930	4,034
Public wildlife and Fish expenditures [1]	1,351	1,351	1,419	1,283	1,621	1,486	1,216
Commercial minerals expenditures [1]	8	8	8	8	8	8	8
Public grazing expenditures [1]	19	18	8	8	8	18	0
Total Employment Attributable to FS	6,426	6,588	6,870	6,286	7,742	7,175	5,983
Four-Forest Area Totals	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Total Employment Contributions	17,812	18,305	19,097	17,529	20,922	19,897	16,691
Percent Change from Current	---	2.8%	7.2%	-1.6%	17.5%	11.7%	-6.3%

[1] *Employment effects resulting from private sector expenditures related to activities on FS lands.*

Table-174-Regional Direct, Indirect, and Induced Labor Income Attributable to National Forests

	Millions of dollars						
Angeles NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	$30.2	$37.1	$37.3	$37.1	$37.4	$37.2	$36.8
Payments to States/Counties	$0.6	$0.6	$0.6	$0.6	$0.6	$0.6	$0.6
Public recreation expenditures [1]	$111.8	$111.8	$117.4	$106.2	$117.8	$123.0	$100.6
Public wildlife and Fish expenditures [1]	$62.5	$62.5	$65.7	$59.4	$75.1	$68.8	$56.3
Commercial minerals expenditures [1]	$3.6	$3.6	$3.6	$3.6	$3.6	$3.6	$3.6
Permittee grazing expenditures [1]	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
Total Labor Income Attributable to FS	$208.7	$215.6	$224.6	$206.9	$234.5	$233.2	$197.9
Cleveland NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	$23.3	$28.8	$28.7	$28.6	$28.6	$29.0	$28.6
Payments to States/Counties	$0.5	$0.5	$0.5	$0.5	$0.5	$0.5	$0.5
Public recreation expenditures [1]	$40.5	$40.5	$42.5	$38.5	$48.6	$44.5	$36.4
Public wildlife and Fish expenditures [1]	$26.8	$26.8	$28.1	$25.5	$32.2	$29.5	$24.1
Commercial minerals expenditures [1]	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0	$0.0
Permittee grazing expenditures [1]	$0.1	$0.1	$0.1	$0.1	$0.1	$0.1	$0.0
Total Labor Income Attributable to FS	$91.2	$96.7	$99.9	$93.2	$110.0	$103.6	$89.6
Los Padres NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	$25.5	$32.4	$34.1	$33.9	$33.7	$34.4	$34.6
Payments to States/Counties	$0.3	$0.3	$0.3	$0.3	$0.3	$0.3	$0.3
Public recreation expenditures [1]	$43.2	$43.2	$45.3	$41.0	$51.8	$47.5	$38.8
Public wildlife and Fish expenditures [1]	$22.3	$22.3	$23.4	$21.2	$26.8	$24.5	$20.1
Commercial minerals expenditures [1]	$6.5	$6.5	$6.5	$6.5	$6.5	$6.5	$6.5
Permittee grazing expenditures [1]	$1.1	$1.1	$0.9	$0.9	$0.8	$1.0	$0.0
Total Labor Income Attributable to FS	$98.9	$105.8	$110.5	$103.8	$119.9	$114.2	$100.3
San Bernardino NF	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Forest Service expenditures	$25.8	$33.4	$33.4	$33.5	$33.3	$33.6	$33.4
Payments to States/Counties	$0.4	$0.4	$0.4	$0.4	$0.4	$0.4	$0.4
Public recreation expenditures [1]	$118.7	$118.7	$124.6	$112.8	$142.4	$130.6	$106.8
Public wildlife and Fish expenditures [1]	$40.1	$40.1	$42.1	$38.1	$48.1	$44.1	$36.1
Commercial minerals expenditures [1]	$0.5	$0.5	$0.5	$0.5	$0.5	$0.5	$0.5
Permittee grazing expenditures [1]	$0.3	$0.3	$0.1	$0.1	$0.1	$0.3	$0.0
Total Labor Income Attributable to FS	$185.8	$193.4	$201.1	$185.4	$224.8	$209.5	$177.2
Four-Forest Area Totals	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Total Personal Income Contributions	$584.6	$611.5	$636.1	$589.3	$689.2	$660.5	$565.0
Percent Change from Current	---	4.6%	8.8%	0.8%	17.9%	13.0%	-3.4%

[1] *Income effects resulting from private sector expenditures related to activities on FS lands.*

Table-175-Forest Service-Related Contributions to the Four-Forest Economy

Industry	Employment (jobs)		Labor Income ($ million)	
	Area Totals	FS-related direct, indirect, and induced	Area Totals	FS-related direct, indirect, and induced
Agriculture	395,889	323	$7,100.4	$6.8
Mining	23,597	133	$1,810.9	$10.0
Construction	850,175	239	$38,677.6	$12.0
Manufacturing	1,450,168	868	$74,795.5	$38.7
Transportation, Communication, & Utilities	567,387	601	$32,796.6	$31.7
Wholesale trade	665,256	863	$33,992.0	$44.3
Retail trade	2,128,346	6,556	$51,385.2	$147.2
Finance, Insurance, & Real Estate	1,036,685	549	$46,960.5	$24.7
Services	4,558,569	6,286	$172,173.5	$180.3
Government (Federal, State, & Local)	1,751,194	1,327	$84,982.8	$88.5
Miscellaneous	178,568	65	$2,133.4	$0.7
Total	13,605,834	17,810	$546,808.4	$584.9
Percent of Total	---	0.13%	---	0.11%

Table-176-Commodity Output Values Used for the Efficiency Analysis

Output	2002 Value	Unit
Range	$6.75	Animal Unit Month
Leasable Minerals		
Oil	$33.70	Barrels
Natural Gas	$9.48	M(thousand) Cubic Feet
Saleable Minerals		
Sand, Gravel, Rock	$0.93	Ton
Recreation		
Camping, Picnicking, Swimming	$11.23	Forest Visit
Mechanical Travel, Viewing	$6.71	Forest Visit
Hiking, Riding, Water Travel	$13.21	Forest Visit
Winter Sports	$45.70	Forest Visit
Wilderness	$39.27	Forest Visit
Hunting	$48.96	Forest Visit
Fishing	$57.96	Forest Visit
Wildlife Watching	$49.53	Forest Visit

Table-177-Present Values of Costs and Benefits by Alternative

	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Total Present Net Value	$5,607,865	$5,151,209	$5,436,519	$5,147,131	$6,933,593	$6,198,887	$4,449,801
Present Value benefits by Program:							
Range:	$22,260	$21,800	$16,983	$16,114	$15,892	$20,176	$0
Timber:	$0	$0	$0	$0	$0	$0	$0
Minerals:	$379,783	$379,783	$379,783	$379,783	$379,783	$379,783	$379,783
Recreation	$3,230,110	$3,230,110	$3,391,615	$3,068,604	$3,876,131	$3,553,121	$2,907,099
Wildlife:	$3,365,832	$3,365,832	$3,534,123	$3,556,301	$4,492,170	$4,117,823	$3,029,248
PV of Benefits	$6,997,984	$6,997,524	$7,322,504	$7,020,803	$8,763,977	$8,070,903	$6,316,130
Present Value costs by Program:							
Range:	$4,463	$4,049	$3,091	$2,308	$3,461	$9,252	$2,308
Timber:	$0	$0	$0	$0	$0	$0	$0
Roads/Engineering	$445,268	$198,753	$280,714	$225,486	$333,461	$271,593	$231,712
Minerals:	$11,712	$11,755	$8,642	$6,465	$9,709	$25,862	$6,465
Recreation	$167,797	$252,850	$271,070	$336,269	$340,754	$166,622	$288,660
Wildlife:	$30,782	$60,214	$65,895	$77,041	$57,754	$52,856	$115,790
Soil, Water, Air..	$40,926	$77,912	$85,139	$99,464	$74,625	$68,900	$149,489
Protection/Forest Health	$845,234	$1,380,561	$1,307,960	$1,260,242	$1,198,983	$1,404,811	$1,177,541
Lands	$40,665	$55,011	$50,766	$50,287	$50,026	$88,710	$67,354
Planning, Inv., Monitoring	$21,269	$23,206	$41,601	$23,206	$23,206	$23,206	$23,206
PV of Costs	$1,608,114	$2,064,310	$2,114,880	$2,080,768	$2,091,979	$2,111,811	$2,062,525

Table-178—Historical Grazing Use Trends for the Los Padres National Forest

Year	Number of Permittees	Number of Cattle and Horses	Number of Sheep and Goats	Number of Hogs
1910	285	10,913	6,903	285
1926	182	8,798	4,278	0
1941	141	5,978	25	0
1981	83	5,711	7	0
1998	80	3,860	0	0
2002	58	3,226	0	0

Table-179—Acres Within Grazing Areas by Forest

	Angeles	Cleveland	Los Padres	San Bernardino
Total Acres*	701,101	576,560	1,972,781	807,403
Total Grazing Area Acres*	52,298	161,746	873,110	206,192
Total NFS Acres	662,983	420,877	1,781,349	665,753
Total NFS Grazing Area Acres	50,860	126,697	757,250	184,931
Percent NFS In Grazing Areas	8	30	43	28

* *Includes private land intermixed within the National Forest boundaries.*

Table-180—Number of Grazing Areas by Forest

National Forest	Allotments	Livestock Areas	Administrative Pastures	Totals
Angeles	6	1	0	7
Cleveland	28	5	0	33
Los Padres	102	12	27	141
San Bernardino	15	5	6	26
Total	151	23	33	207

Table-181—Land Acquisitions Analyzed as Grazing Areas, Los Padres National Forest

Acquired Lands	Total Acres	NFS Capable Acres
Baldwin	2,370	608
Brazil	1,200	850
Cozy Cove	333	246
Sea Vista	154	88
Sur Sur	1,697	1,375
Williams	739	606
Totals	6,493	3,773

Note: Total Acres taken from land record, not GIS.

Table-182—Acres Capable of Supporting Livestock

National Forest	Total Acres	NFS Acres	Capable NFS Acres
Angeles	52,298	50,860	23,631
Cleveland	161,746	126,697	49,544
Los Padres	873,110	757,250	410,640
San Bernardino	206,192	184,931	122,573
Totals	1,293,346	1,119,738	606,388

Table-183—Number of Vacant Grazing Areas Expected to be Available for Grazing by Alternative

Forest	Alt 1		Alt 2		Alt 3		Alt 4		Alt 5		Alt 6	
	#	Acres	#	Acres	#	Acres	#	Acres	#	Acres	#	Acres
Angeles	2	6,654	0	0	0	0	0	0	0	0	0	0
Cleveland	8	9,079	2	6,304	1	723	2	6,304	7	8,463	0	0
Los Padres	46	113,832	21	59,839	16	40,265	16	28,641	30	79,499	0	0
San Bernardino	10	71,555	2	5,793	2	5,793	2	5,793	10	70,894	0	0
Totals	66	201,120	25	71,936	19	46,781	20	40,738	47	158,856	0	0

Table-184—Road Density (Miles Of Road Per Square Mile) By Forest Roads (National Forest System Roads, Temporary And Unclassified) And State And County Roads

	ANF	CNF	LPNF	SBNF	Total
Forest Road Density (system roads, temporary and unclassified roads included)	1.2	1.2	0.6	2.1	1.1
State/County Highway and Road Density	0.2	0.3	0.1	0.3	0.2
Total Road Density on National Forest System lands	1.4	1.5	0.8	2.4	1.3

Table-185—Percent Of Specific Habitat Types Within Dispersed Recreation Potential Area (Near Road, Less Than 15 Percent Slope, Not Chaparral)

Habitat Type	Total Acres	Acres of Dispersed Recreation Potential	Percent Dispersed Recreation Potential
Alpine	147	74	50.4
Pebble Plain	2,290	1,136	49.6
Mixed Conifer Forest	102,862	15,570	15.1
Carbonate Soils	32,609	4,133	12.7
Montane Meadows	69,919	8,302	11.9
Desert Montane	383,124	38,553	10.1
Oak Woodland	19,644	1,855	9.4
Desert Floor	7,297	470	6.4
Lower Montane Forest	76,098	4,121	5.4

Table-186—Percentage Of National Forest System Lands That Consists Of Roads

	ANF	CNF	LPNF	SBNF	Total
Percent land area disturbed by all road categories and ownership on the National Forests	1.86	2.34	0.83	2.52	1.53

Table-187—Threatened, Endangered And Sensitive (TES) Aquatic And Semi-Aquatic Species Associated With Low And High Elevation Streams On Southern California National Forests (Adapted From Stephenson And Calcaron)

Aquatic TES Species, Low Elevation Streams (Less Than 3,000 Feet Elevation)	Aquatic TES Species, High Elevation Streams (Greater Than 3,000 Feet Elevation)
California red-legged frog Coast range newt Southwestern arroyo toad Santa Ana sucker Santa Ana speckled dace Arroyo chub Southern and south-central steelhead trout Unarmored three-spine stickleback Southwestern pond turtle California red-sided garter snake	Mountain yellow-legged frog Shay Creek unarmored three-spine stickleback

Table-188—Results Of Threat Assessment For Plant Species Of Conservation Concern In The Plan Area: Number Of Species In Each Threat Category

Federal Status	Number of Plant Species	1	2	3	4	5	6
Endangered	20	3	6	0	0	11	0
Threatened	10	0	1	0	3	6	0
Candidate	2	1	0	0	0	1	0
Sensitive	134	1	10	4	71	48	0
Watch List	120	5	20	11	62	22	0
Other	1	0	0	1	0	0	0
Total	287	10	37	16	136	88	0

Table-189—Results Of Threat Assessment For Animal Species Of Conservation Concern In The Plan Area, Number Of Species In Each Threat Category

Federal or State Status	Number of Animal Species	1	2	3	4	5	6
Endangered	25*	5	3	0	6	10	1
Threatened	11	0	1	0	4	5	1
Proposed	1	1	0	0	0	0	0
Candidate	2	2	0	0	0	0	0
Sensitive	33* *	0	4	7	14	8	0
State	37	1	3	9	14	9	1
Other	88	1	6	18	42	19	2
Total	197	10	17	34	80	51	5

** Mohave Tui Chub is not present on the national forests. A hybridized form, not recognized as a federally listed species, is located on the San Bernardino N.F.*
** *Yellow-billed cuckoo is included within Candidate status.*

Table-190—Percent Of Potential Species Of Conservation Concern Determined To Be At Risk On National Forest System Lands

Taxa	Number of Species of Concern	Number of Species at Risk	Percent Species at Risk
Amphibians	14	5	36
Birds	72	22	31
Fish	12	8	67
Invertebrates	30	10	33
Mammals	46	7	15
Reptiles	23	4	17
Total Animals	197	56	28
Plants	287	88	31

Table-191—Percent Of Land With At Least 0.5 Miles Of Road Per Square Mile By Alternative For Each National Forest In Southern California

Forest	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Angeles	52%	52%	52%	52%	53%	42%
Cleveland	47%	50%	47%	47%	53%	43%
Los Padres	28%	30%	28%	28%	31%	23%
San Bernardino	57%	60%	57%	57%	62%	48%

Table-192—Acres Potentially Accessible For Dispersed Recreation In Major Land Use Zones By Alternative

	BCM	BCNM	CB	RW	Totals
Alt. 1	48,033	1,696	20	0	49,749
Alt. 2	48,064	1,805	233	592	50,694
Alt. 3	42,034	5,993	567	2,048	50,642
Alt. 4	48,532	1,347	108	601	50,588
Alt. 5	50,641	0	0	0	50,641
Alt. 6	29,161	15,866	1,010	4,821	50,858

Table-193—Miles Of Road Lost Due To Land Use Zoning By Alternative. This Specifically Relates To Those Land Use Zones With Fewer Allowable Uses (BCNM, CBZ, EF And RW)

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Miles of classified roads lost due to land use zoning distribution	46	73	96	54	0	1,982
Percent of NFS road system lost due to land use zoning distribution	1.6%	2.5%	3.2%	1.8%	0%	67.0%

Table-194—Projected Acres Of Hazardous Fuel Treatment Per Decade By Budget Level

Forest	ANF	CNF	LPNF	SBNF	TOTAL
Constrained	1,700	3,800	18,000	5,000	28,500
Unconstrained	55,640	59,620	110,000	149,000	374,260

Table-195—Changes in Acres Managed for Motorized Use by Alternative

Forest	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Angeles	443,202	402,467	273,642	399,444	564,189	217,772
Cleveland	260,097	234,473	163,721	236,093	345,263	101,795
Los Padres	759,404	766,855	348,030	776,652	920,703	182,600
San Bernardino	394,735	376,199	278,033	409,223	535,390	200,949
Total	1,857,438	1,779,994	1,063,426	1,821,412	2,365,545	703,116

Table-196—Acres Of Fuel Treatment Opportunity By Type Of Treatment — 15 Year Projection (Mechanical Treatments Subtotal In First Row Followed By Total Treatment Per Forest)

Forest	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Angeles	443,202	402,467	273,642	399,444	564,189	217,772
Cleveland	260,097	234,473	163,721	236,093	345,263	101,795
Los Padres	759,404	766,855	348,030	776,652	920,703	182,600
San Bernardino	394,735	376,199	278,033	409,223	535,390	200,949
Total	1,857,438	1,779,994	1,063,426	1,821,412	2,365,545	703,116

Table-197—Variation In Program Management Emphases By Alternative (Percent Change From Current Situation)

Program Management Emphasis	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Developed Recreation Accommodation	-1	+5	-10	+20	+10	-20
Dispersed Recreation Accommodation	-1	+5	-10	+20	+10	-20
Motorized Trails	0	-0.5	-4.3	-0.2	+2.7	-6.3
Road Miles	-1.6	-2.5	-3.2	-1.8	0	-67
Acres Suitable for Grazing	-1	-4	-5	-5.5	-2	-20

Table-198—Distribution Of Plant Viability Outcomes On National Forest System Lands By Alternative

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
A	0	9	39	4	0	45
B	54	63	34	53	9	31
C	27	9	10	25	65	7
D	3	2	0	1	9	0
E	4	5	5	5	5	5

Table-199—Distribution Of Invertebrate Animal Viability Outcomes On National Forest System Lands By Alternative

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
A	0	1	3	0	0	6
B	7	7	6	8	1	3
C	2	1	0	1	7	0
D	0	0	0	0	1	0
E	1	1	1	1	1	1

Table-200—Vertebrate Animals Viability Outcomes By Alternative On National Forest System Lands

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
A	0	0	0	0	0	0
B	4	4	13	4	0	13
C	13	35	26	33	5	26
D	28	7	7	8	37	7
E	1	0	0	0	3	0
B, C in SJ	0	0	0	1	0	0
C, D in SJ	0	0	0	0	1	0

Table-201—Key Indicators Of Effects From Management Actions To Biological Diversity

Key Indicators	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Ranking of emphasis for species and habitat conservation (1st = most, 6th = least)	5th	4th	2nd	3rd	6th	1st
Percent change in acres exposed to recreation use disturbance (dispersed and developed) relative to current situation	-1% 3rd	5% 4th	-10% good	+20% least	+10% 5th	-20% most
Number of more favorable viability outcome statements for species at risk	mid	mid	Most	mid	Least	Most
Acres of land use zones with fewer allowable uses (BCNM, CBZ, EW, RW)	47	49.2	69.5	47.5	32.6	79.7
Percent of forest road miles reduced due to land use zones with fewer allowable uses (BCNM, CBZ, EW, RW)	-1.56% 5th	-2.46% 3rd	-3.23% 2nd	-1.84% 4th	0 least	67% most
Reduction in acres suitable for grazing	-2% least	-44%	-48%	-49%	-10%	-100% most

Table-202—Alternative Comparisons With Respect To Conservation Emphasis Areas

Conservation Emphasis	Existing Situation**	Relative Changes				
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Education/Information/Interpretation	Periodic (not focused)	Periodic(not focused)	Frequent (focused)	Continuous (focused)	Frequent (focused)	Frequent (focused)
Survey/Inventory/ Increased Knowledge	Continued gradual increase	Moderate increase	Rapid increase	Gradual increase	Gradual increase	Rapid increase
Habitat Restoration/Improvement	Continued progress	Moderate	Strong	Limited (focused on recreation sites)	Limited	Strong
Monitor/Study	Few efforts	Some	More	Most	Most	More
Habitat Protection	Continued progress	Better	Better	Better	Worst	Best
Overall progress towards Desired Condition (rating 1st = fastest, 6th = slowest)	5th Slow	4th Slow	2nd Substantial	3rd Substantial	6th Little or none	1st Substantial

***Existing situation is qualitatively described in alternative 1. The other alternatives are qualitatively described in relation to changes from alternative 1.*

Table-203—Threats To Plant Species-At-Risk

Potential Threats	Affected Percentage Of Plant Species-At-Risk (From Species Accounts)
Private land development	20
Recreation	14
Narrow Endemism	14
OHV Use	10
Grazing	10
Roads	9
Weeds	6
Altered Hydrology	5
Mining	4
Frequent Fire	4
Infrequent Fire	4

Table-204—Plant Viability Outcomes For Eighty-Eight Species At Risk For All Lands Summed By Alternative

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
A	0	1	7	2	0	8
B	23	43	43	31	11	48
C	55	34	28	45	59	23
D	9	9	9	9	17	8
E	1	1	1	1	1	1

Table-205—Plant Viability Outcomes For Eight Species-At-Risk On All Lands

Species	1	2	3	4	5	6
Linanthus killipii	C	B	B	B	D	B
Mimulus exiguus	C	B	B	C	D	B
Mimulus purpureus	C	B	B	C	D	B
Packera bernardina	C	C	B	C	D	B
Phlox dolichantha	C	B	B	C	D	B
Sidalcea hickmanii ssp. *hickmanii*	C	C	C	C	D	B
Sidalcea hickmanii ssp. *parishii*	C	C	C	C	D	B
Thelypodium stenopetalum	C	C	B	C	D	B

Table-206—Plant Viability Outcomes For Eight Species-At-Risk On National Forest System Lands

Species	1	2	3	4	5	6
Linanthus killipii	C	A	A	B	C	A
Mimulus exiguus	C	B	A	C	D	A
Mimulus purpureus	C	B	A	C	D	A
Packera bernardina	B	B	A	B	C	A
Phlox dolichantha	B	A	A	B	C	A
Sidalcea hickmanii ssp. *hickmanii*	C	C	C	C	D	B
Sidalcea hickmanii ssp. *parishii*	C	C	C	C	D	B
Thelypodium stenopetalum	B	B	A	B	C	A

Table-207—Invertebrate Animal Viability Outcomes For Ten Species At Risk For All Lands Summed By Alternative

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
A	0	1	2	0	0	4
B	5	4	5	5	1	3
C	4	4	2	4	6	2
D	0	0	0	0	2	0
E	1	1	1	1	1	1

Table-208—Invertebrate Viability Outcomes For Two Species-At-Risk On All Lands

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Harbison's dun skipper	C	C	B	C	D	B
Laguna Mountains skipper	C	C	B	C	D	B

Table-209—Invertebrate Viability Outcomes For Two Species-At-Risk On National Forest System Lands

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Harbison's dun skipper	B	B	A	B	C	A
Laguna Mountains skipper	C	C	B	C	D	B

Table-210—Vertebrate Animal Viability Outcome For 56 Species At Risk For All Lands Summed By Alternative

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
A	0	0	0	0	0	0
B	1	1	1	1	0	2
C	11	25	33	24	7	31
D	34	20	12	20	39	13
C, D on SJ	0	0	0	1	0	0

Table-211—Vertebrate Animal Viability Outcomes For Four Species-At-Risk On All Lands

Species	1	2	3	4	5	6
Bald eagle (breeding)	C	C	C	C	D	C
California condor	C	C	C	C	D	C
Lincoln's sparrow	C	C	C	C	D	C
Southern rubber boa	C	C	C	C, D	D	C

Table-212—Vertebrate Animal Viability Outcomes For Four Species-At-Risk On National Forest System Lands

Species	1	2	3	4	5	6
Bald eagle (breeding)	B	B	B	B	C	B
California condor	B	B	B	B	C	B
Lincoln's sparrow	D	C	C	C	D	C
Southern rubber boa	B	B	B	B, C in SJ	C, D in SJ	B

Table-213—Viability Outcomes For Arroyo Toad For All Lands By Alternative

1	2	3	4	5	6
D	C	C	C	D	C

Table-214—Viability Outcomes For Mountain Lion For All Lands By Alternative (San Gabriel Mtns. South)

1	2	3	4	5	6
D	D	C	D	D	C

Table-215—Viability Outcomes For California Spotted Owl For All Lands By Alternative

1	2	3	4	5	6
C	C	C	C	D	C

Table-216—Comparison Of Relative Potential Risks For Cumulative Effects To MIS By Alternative

Indicators of Management	MIS	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Fragmentation	Mt. Lion	H*	H	L	H	H	L
Wide Habitats	Mule deer	H	H	L	H	H	L
Aquatic Habitat	Arroyo Toad	H	L	L	L	H	L
Riparian Habitat	Song Sparrow	H	L	L	L	H	L
Oak Regeneration	Blue Oak	M	M	M	M	M	M
Oak Regeneration	Engelmann Oak	M	M	M	M	M	M
Oak Regeneration	Valley Oak	M	M	M	M	M	M
Own Habitat Type	Bigcone Douglas-fir	M	M	L	M	M	L
Own Habitat Type	Coulter Pine	L	L	L	L	L	M
Montane Conifer Forest	CA Spotted Owl	L	L	L	L	H	L
Montane Conifer Forest	California black oak	M	M	M	M	M	L
Montane Conifer Forest	White fir	M	M	M	M	M	L

**H = High, M = Moderate, L = Low*

Table-217—Summary Of The Number And Percent Of Species At-Risk From Activities And Uses On NFS Lands

	Number Of Species Known Or Suspected To Occur On NFS Lands	Number Of Known Species Which Are Of Potential Conservation Concern	Percent Of Known Species Which Are Of Potential Conservation Concern	Number Of Known Species At-Risk From Activities And Uses On NFS Lands	Percent Of Known Species At- Risk From Activities And Uses On NFS Lands
Plants	2,900	287	10	88	3
Invertebrate and vertebrate animals	464	197	42	56	12
Total	3,364	484	14	144	4.3

Table-218—Potential Effects To Riparian Vegetation From Management Activities

Type Of Disturbances	Vegetation Removal Through Management Prescriptions Or Actions Inadvertent Destruction Or Removal Of Vegetation From Overuse By Humans, Vehicles Or Animals
Type Of Management Activities	• Vegetation treatments • Prescribed burning • Wildfire suppression • Livestock grazing • Recreation use that exceeds carrying capacity • Unauthorized use of NFS lands • Mining
Effect	• Reduction in shading, leaf drop, large woody debris, streambank stability, soil compaction, increased erosion and sedimentation • Input of ash, soot, or chemical compounds to stream • Increased fire starts
Consequence To Water And Riparian Dependent Resources	• Water quality degradation (temperature, pH, sedimentation) • Loss of food nutrients and habitat for aquatic and riparian dependent species • Loss of aquatic species from toxic levels of chemicals • Loss of riparian vegetation connectivity upstream and downstream

Table-219—Potential Effects To Streambanks From Management Activities

Type Of Disturbances	Streambank Degradation Due To Management Prescriptions Or Actions Inadvertent Degradation Of Streambanks From Overuse By Humans
Type Of Management Activities	• Vegetation treatments • Prescribed burning • Wildfire suppression • Livestock grazing • Recreation use that exceeds carrying capacity • Unauthorized use of NFS lands • Mining • Road management (adjacent to roads and at stream crossings)
Effect	• Decreased bank stability, collapsed banks • Increased soil compaction, erosion and sedimentation • Disruption of large woody debris inputs
Consequence To Water And Riparian Dependent Resources	• Water quality degradation (temperature, pH, sedimentation) • Loss of food nutrients and habitat for aquatic and riparian dependent species

Table-220—Potential Effects To Channel Morphology From Management Activities

Type Of Disturbances	Physical Alteration Of Channel Impede Or Restrict Streamflows
Type Of Management Activities	• Impoundments • Mining • Recreation overuse (mechanized, nonmechanized and dayuse), including excessive amounts of recreational dam building (water play) • Unauthorized off-route vehicle use
Effect	• Disrupt the proper functioning of the channel (through structure placement, creating flat water where there was flowing water) • Channel type conversion, channelization, alteration of channel geometry, or disruption of flow and hydrologic processes
Consequence To Water And Riparian Dependent Resources	• Water quality degradation (temperature, pH, sedimentation) • Loss of food nutrients and habitat for aquatic and riparian dependent species, alteration of riparian vegetative community (+ or -)

Table-221—Potential Effects To The Ability Of The RCA To Catch Sediment Before It Enters The Stream From Management Activities

Type Of Disturbances	Ground Disturbing Activities Within And Outside Of RCAs
Type Of Management Activities	• FS facilities or areas: roads, trails, railroads, utility corridors, fuelbreaks, recreation open areas - OHV and target shooting, and the associated stream crossings • Management of those facilities: construction, reconstruction, maintenance • The Uses: driving within designated areas, unrestricted vehicle use off route (dayuse, mountain bikes, motorcycles, and vehicles, dispersed camping)
Effect	• Increase soil compaction • Increase erosion • Increase turbidity • Increased sediment delivery to streams • Disrupt proper functioning of the channel (through increased sediment delivery and transport within the stream channel) • Increased fire starts
Consequence To Water And Riparian Dependent Resources	• Water quality degradation (temperature, pH, sedimentation) • Loss of food nutrients and habitat for aquatic and riparian dependent species • Alteration of riparian vegetative community (+ or -)

Table-222—Potential Effects To Water Quantity From Management Activities

Type Of Disturbances	Water Extraction Or Diversion
Type Of Management Activities	• Management of hydroelectric projects, municipal and domestic water uses • Transport of water through tunnels • Water wells • Unlawful activities like drug labs and marijuana cultivation
Effect	• Alteration of quantity and quality of water • Disruption of normal hydrograph (timing, magnitude and duration of flow) • Alteration of the stream channel in response to altered flow • Alteration of riparian vegetative community (+ or -) • Depletes groundwater (overdrafting or water seepage into tunnels) • Redistributes water between watersheds • Increase in nonnative, invasive species habitat conditions • RCA fragmentation (loss of connectivity)
Consequence To Water And Riparian Dependent Resources	• Lowered water quantity • Water quality degradation (e.g., temperature, pH and sediment) • Loss of food nutrients and habitat for aquatic and riparian dependent species

Table-223—Potential Effects To Water Quality (From Toxins) From Management Activities

Type Of Disturbances	Actions That Contribute Chemical Compounds And Toxins Into Water Bodies Or Aquifers
Type Of Management Activities	• Herbicide treatments • Mining • Unauthorized uses on NFS lands (dumping mechanical fluids, sanitation problems, etc.) • Road maintenance (e.g. surfactants and oils) • Accidents (e.g. train crash, spills, etc.) • Wildfire suppression (foams and retardants) • Special uses with septic systems or onsite wastewater treatment • Abandoned landfills
Effect	• Reduction in shading and leaf drop • Alteration of surface water quality and contamination of aquifers • Vegetation type conversion
Consequence To Water And Riparian Dependent Resources	• Water quality degradation (temperature and pH) • Loss of food nutrients and habitat for aquatic and riparian dependent species • Loss of riparian dependent species, especially aquatic organisms

Table-224—Potential Loss Of NF Ownership Of RCAs From Management Activities

Type Of Disturbances	Actions involving land exchanges and disposition of isolated NFS land parcels
Type Of Management Activities	Land exchanges and sale of NFS land
Effect	RCA and stream fragmentation (loss of connectivity)
Consequence To Water And Riparian Dependent Resources	Loss of habitat for aquatic and riparian dependent species

Table-225—Potential Effects To Watershed Conditions From Management Activities

Activity and Measure	Alt 1 (Existing)	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Acres of land disturbance[1]	1,504,134	(Same)	(Less)	(More)	(Most)	(Least)
Acres of RCAs in land use zones with fewer allowable uses (BCNM, CBZ, EW, RW)	323,619	333,775	456,129	325,695	236,623	517,219
Potential acres of watershed restoration	516	Same	More	More	Least	Most
Watershed Condition Rating	Moderate	Same	Improve	Improve	Degrade	Improve

[1]*In this table, acres of disturbance refer to the following activities: vegetation management (prescribed fires, fuel treatments, mortality removal, timber stand thinning), road and trails, FS facilities, utility corridors, active mining, oil and gas, capable livestock grazing land, and recreation areas.*

Table-226—Activities With Potential To Affect Water Resources And Riparian Conservation Areas (RCAs)

Type Of Disturbances	Actions That: --Manage And Maintain Riparian Conservation Areas And Water Quality --Improve Or Restore Watershed, Riparian Or Water Quality Conditions
Type Of Management Activities	• Use of FLRMP standards (Five-Step Project Screening Process - delineation and management of RCAs) • Application of BMPs • Timely road, trail, utility corridor maintenance • Watershed and riparian restoration projects such as: abandoned mine reclamation, eradication of invasive, nonnative plants (within RCA and on the upland landscape), treatment of unauthorized use areas that have resulted in degradation of the watershed
Effect	• Maintain and improve riparian dependent resource and water quality conditions • Maintain and improve stream function and condition
Consequence To Water And Riparian Dependent Resources	• Water quality improvement • Native, riparian dependent species habitat improvement - more area, better quality, less competition with nonnatives, more natural conditions

Table-227—Soils Found Within the EUI Area

Soil Temperature Regime	% of Area	Mean Annual Soil Temperature oF
Thermic	64	59 to 72
Mesic	34	47 to 59
Frigid	< 2	< 47 or > 47(summer)

(*Temperatures recorded at 20 inches depth)*

Table-228—Landscape Soil Units And The Percentage Of Area That They Comprise In The Southern California National Forests

Landscape Soil Units	%
T1, Thermic Sedimentary and Badland Soils, shallow to moderately deep	3.2
T2, Thermic Metamorphic or Sedimentary Soils, shallow to moderately deep	24.6
T3, Thermic Sedimentary Soils, moderately deep to deep	7.7
T4, Thermic Alluvial Soils, deep	2.3
T5, Thermic Mostly Serpentinitic Soils, shallow to deep	0.8
T6, Thermic Rock Outcrop and Very Shallow Soils	1.8
T7, Thermic Calcareous Soils, shallow to deep	0.3
T8, Thermic Granitic and Metamorphic Mountainside Soils, mostly shallow	16.8
T9, Thermic Granitic and Metamorphic Mountainside Soils, shallow to deep	5.0
T10, Thermic Foothill Metavolcanic Soils, shallow to moderately deep	0.4
T11, Thermic Gabbro Red Clayey Upland Soils, moderately deep to deep	0.8
M1, Mesic Sedimentary Soils, moderately deep to deep	2.7
M2, Mesic Granitic, Metamorphic, and Sedimentary Mountainside Soils, shallow to deep	8.3
M3, Mesic Granitic and Metamorphic Colluvial and Residual Soils, shallow to deep	8.5
M4, Mesic Granitic Shallow Soils	7.2
M5, Mesic Granitic Deep Soils	1.5
M6, Mesic Granitic and Metamorphic Soils, shallow to moderately deep	1.1
M7, Mesic Alluvial Deep Soils	2.3
M8, Mesic Granitic and Metamorphic Mountainside Soils, moderately deep to deep	2.8
F1, Frigid Calcareous Soils, shallow to deep	0.5
F2, Frigid Granitic and Metamorphic Mountainside and Colluvial Soils, moderately deep to deep	1.1
Water	0.1

Table-229—Federal Attainment Status

Air Pollution Control District	Federal Attainment Status
Monterey Bay Unified	Maintenance
San Luis Obispo	Attainment
Santa Barbara	Nonattainment
Ventura	Nonattainment
South Coast	Nonattainment
San Diego	Nonattainment
San Joaquin Unified	Nonattainment
Antelope	Nonattainment
Mojave	Nonattainment

Table-230—Southern California Counties With Nonattainment Status[1]

County[1]	Criteria Pollutant	Air Pollution Control Authority	Federal Status
Los Angeles	Carbon Monoxide	Los Angeles South Coast Air Basin, CA	Serious
Los Angeles	Ozone	Los Angeles South Coast Air Basin, CA	Extreme
Los Angeles	Ozone	Southeast Desert Modified AQMA, CA	Severe-17
Los Angeles	PM_{10}	Los Angeles South Coast Air Basin, CA	Serious
Orange	Carbon Monoxide	Los Angeles South Coast Air Basin, CA	Serious
Orange	Ozone	Los Angeles South Coast Air Basin, CA	Extreme
Orange	PM_{10}	Los Angeles South Coast Air Basin, CA	Serious
Riverside	Carbon Monoxide	Los Angeles South Coast Air Basin, CA	Serious
Riverside	Ozone	Los Angeles South Coast Air Basin, CA	Extreme
Riverside	Ozone	Southeast Desert Modified AQMA, CA	Severe-17
Riverside	PM_{10}	Coachella Valley, CA	Serious
Riverside	PM_{10}	Los Angeles South Coast Air Basin, CA	Serious
San Bernardino	Carbon Monoxide	Los Angeles South Coast Air Basin, CA	Serious
San Bernardino	Ozone	Los Angeles South Coast Air Basin, CA	Extreme
San Bernardino	Ozone	Southeast Desert Modified AQMA, CA	Severe-17
San Bernardino	PM_{10}	Los Angeles South Coast Air Basin, CA	Serious
San Bernardino	PM_{10}	Trona, CA	Moderate
San Diego	Ozone	San Diego, CA	Serious
Santa Barbara	Ozone	Santa Barbara-Santa Maria-Lompoc, CA	Serious
Ventura	Ozone	Ventura Co, CA	Severe-15
Kern	Ozone	Kern Co, CA	Serious

[1] Portions, not all, of some counties are in nonattainment status.
Nonattainment counties relevant to the four southern California forests (US EPA: Criteria Pollutant Area Summary Report (Green Book)). Accessed on-line 7/24/03 at http://www.epa.gov/oar/oaqps/greenbk/astate.html)

Table-231—Class I Areas (Airshed)

Wilderness	Acres	Forest
San Gabriel Mountains	36,118	Angeles
Agua Tibia	15,933	Cleveland
San Rafael	197,380	Los Padres
Ventana	202,178	Los Padres
Cucamonga	12,781	San Bernardino
San Gorgonio	56,722	San Bernardino
San Jacinto	32,248	San Bernardino

Table-232—Air Background Emissions

County	PM_{10} (ton/yr)	SO_2 (ton/yr)	NO_x (ton/yr)	ROG (ton/yr)
Los Angeles	91,722	31,114	357,738	223,261
Orange	31,378	5,148	99,042	81,906
Riverside	52,412	2,811	59.801	40,565
San Bernardino	44,261	6,072	93,790	45,178
San Diego	105,428	5,952	116,431	81,718
Ventura	24,025	8,759	63.777	19,880
Santa Barbara	17,933	8,696	55,447	15,810
San Luis Obispo	22,978	4,077	11,540	9,817
Monterey	34,224	905	18,386	13,041

Table-233—General Comparison of Alternative Air Quality Emissions

	Vehicle	Fugitive Dust	Prescribed Fire	Wildfire	PSD
Alternative 1	0	0	0	0	0
Alternative 2	0	0	0	0	0
Alternative 3	-	-	0	+	0
Alternative 4	0	0	0	+	0
Alternative 5	+	+	0	0	+
Alternative 6	+	-	0	+	0

PSD = Prevention of Significant Deterioration permits

Table-234—Estimated Daily Forest Visitor Mileage Driven Within The National Forests

	LPF	ANF	BDF	CNF
Alternative 1	76,955	177,575	107,779	40,213
Alternative 2	80,803	186,454	113,168	42,224
Alternative 3	84,651	195,332	118,557	44,235
Alternative 4	92,346	213,090	129,334	48,256
Alternative 5	84,651	195,332	118,557	44,235
Alternative 6	61,564	142,060	86,223	32,171

Table-235—Estimated Percent Change in Unpaved Road Mileage from the Present

	LPF	ANF	BDF	CNF
Alternative 1	0%	-3%	-2%	-2%
Alternative 2	-2%	-2%	-1%	-7%
Alternative 3	-3%	-2%	-4%	-3%
Alternative 4	-2%	-2%	-1%	-5%
Alternative 5	0%	0%	0%	0%
Alternative 6	-71%	-68%	-63%	-68%

Table-236—Annual Wildfire Acres Burned

Forest	Wildfire acres
Los Padres	37,169
Angeles	10,056
San Bernardino	6,491
Cleveland	11,971

Table-237—Southern California National Forest Existing Wilderness

Wilderness	Forest	NFS Acreage	Other Acreage	Total Acreage
Agua Tibia[1]	Cleveland NF	15,933	0	15,933
Bighorn Mountain	San Bernardino NF	11,800	0	11,800
Chumash[3]	Los Padres NF	38,150	50	38,200
Cucamonga[1]	Angeles NF	4,200	0	4,200
	San Bernardino NF	8,581	0	8,581
Dick Smith[3]	Los Padres NF	67,800	200	68,000
Garcia[3]	Los Padres NF	14,100	0	14,100
Hauser	Cleveland NF	7,547	544	8,091
Machesna Mountain[3]	Los Padres NF	19,760	240	20,000
Matilija[3]	Los Padres NF	29,600	0	29,600
Pine Creek	Cleveland NF	13,480	206	13,686
San Gabriel[1]	Angeles NF	36,118	0	36,118
San Gorgonio[1, 3]	San Bernardino NF	56,722	1,947	58,669
San Jacinto[1]	San Bernardino NF	32,248	1,160	33,408
San Mateo Canyon	Cleveland NF	38,484	1,056	39,540
San Rafael[1, 3]	Los Padres NF	197,380	190	197,570
Santa Lucia	Los Padres NF	18,679	3,025	21,704
Santa Rosa	San Bernardino NF	13,787	6,016	19,803
Sespe[3]	Los Padres NF	219,700	0	219,700
Sheep Mountain	Angeles NF	39,482	484	39,966
	San Bernardino NF	2,401	0	2,401
Silver Peak[2, 3]	Los Padres NF	31,555	0	31,555
Ventana[1, 2, 3]	Los Padres NF	239,288	3,311	242,599
TOTAL ACREAGE		1,156,795	18,429	1,175,134

Meaning of Notations -- Acreages are approximate
[1] Class I under the Clean Air Act
[2] 17,055 acres added to Silver Peak and 37,110 acres added to Ventana in December, 2002 Big Sur Wilderness Additions Act
[3] Acres estimated pending final map compilation
Source: http://www.fs.fed.us/land/staff/lar/LAR01/table7.htm and 2002 Big Sur Wilderness Additions Act.

Table-238—Estimated Wilderness Visitors by Forest

Forest	Visits	Error Rate %
Angeles (CY 2000)	100,000	34.8
Cleveland (FY 2001)	31,616	46.2
Los Padres (FY 2001)	123,139	37.7
San Bernardino(FY 2003 estimate)	94,357	n/a
TOTAL	349,112	-

Source: National Visitor Use Monitoring (NVUM) program. Refer to NVUM reports for ANF, CNF and LPF for additional, detailed wilderness use information

Table-239—Official Land Ownership

National Forest	Gross Acreage[1]	National Forest System Acreage[1]	Non-Fed Ownership (% of Gross Acreage)
Angeles	693,667	655,387	6%
Cleveland [2]	567,372	434,480	23%
Los Padres[3]	1,964,440	1,762,679	10%
San Bernardino	818,999	671,686	18%
Total:	4,046,480	3,526,234	13%

Notes:
[1] As of September 2002
[2] Includes Guatay Purchase Unit
[3] Includes Big Sur Purchase Unit

Table-240—Important Land Adjustments

Angeles	City of Monrovia III	335	1996
Angeles	Reece-Dupont I & II	118	1999
Angeles	Horse Canyon	169	2001
Angeles	Chaney Trail	14	2003
Cleveland	Guatay Mountain	400	1993
Cleveland	Roberts Ranch	765	1995 -1997
Cleveland	Rutherford Ranch (I thru VII)	2578	1997 - 2003
Cleveland	Freemont Exchange	324	2003
Los Padres	Sea Vista Geiger	211	1999
Los Padres	Baldwin Ranch I & II	1387	1996 - 1997
Los Padres	City of Santa Barbara	642	1999
Los Padres	San Carpoforo	783	2000
Los Padres	Bixby (I, II, III, IV)	1220	2002
San Bernardino	Garner Family (13 Phases)	1306	1990 - 1997
San Bernardino	Upper Deep Creek (I thru IV)	620	1996 -1998
San Bernardino	Pinewood	240	2001
San Bernardino	Lion Peak	640	2001
San Bernardino	Healy II	674	2002

Source: Region 5 Land Adjustment Annual Accomplishment Reports.

Table-241—Roads Rights-of-way Needs Summary

National Forest	Number of Forest Roads Without Recorded R/W	Miles of Forest Roads Without Recorded R/W	Estimated Number of R/W Cases Needed for Full access to Forest Roads
Angeles	37	59	213
Cleveland	94	165	400
Los Padres	36	135	500
San Bernardino	54	151	187
Total:	221	510	1300

Sources: INFRA Travel Routes.

Table-242—Property Lines Surveyed

Forest	Miles of Property Line in 1990	Miles of Property Line in 2001	Miles of Property Line Surveyed In 1997	Percent of Forest Surveyed
Angeles	712	590	108	18
Cleveland	1,060	1037	347	33
Los Padres	1,945	2000	208	10
San Bernardino	1,180	867	253	29
Total	4897	4494	916	20

Sources: Pacific Desert Divide Project, October 1997; Region 5 Attainment Reports.

Table-243—Mineral Withdrawal Status

National Forest	Acres of Withdrawals
Angeles	394,547
Cleveland	87,865
Los Padres	957,103
San Bernardino	147,430
Total	1,586,960

Table-244—Acres of Potential Increase to Mineral Withdrawal Status, by Alternative

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	17,910	98,583	127,024	31,543	16,869	165,019
Cleveland	1,210	22,416	86,763	6,487	0	74,673
Los Padres	0	62,363	144,607	46,192	0	311,806
San Bernardino	0	20,890	137,187	23,348	0	60,308
Total	19,120	204,252	495,581	107,570	16,869	611,806

Acres above include land zoned as Recommended Wilderness, Critical Biological, or Experimental Forest.

Table-245—Heritage and Tribal Data for Southern California Forests

	Angeles NF	Cleveland NF	Los Padres NF	San Bernardino NF	Total
Acres	655,400	434,000	1,761,000	672,000	3,522,400
Acres Surveyed	31,200	18,600	139,100	109,600	298,500
Percent	4.8%	4.3%	7.9%	16.3%	8.5%
Sites	962	1,258	2,536	1,169	5,925
Prehistoric	365	1,163	1,820	674	4,022
Historic	575	185	445	370	1,575
Multi-component	22	0	53	44	119
Unidentified	0	0	218	121	339
NRHP	8	2	54	5	69
NRHP Eligible	154	45	89	122	410
Not Eligible	95	120	77	45	337
No Determination	705	1,367	2,320	996	5,388
State Historic Landmarks	4	0	0	8	12
Federally Recognized Tribes	0	22	1	11	31*

The CNF and SBNF have three tribes that overlap within their sphere of influence.
Data is from FY02 Regional Report to the Secretary of the Interior (updated by current GIS Inventory databases).

Table-246—National Register of Historic Places by Forest

National Register Of Historic Places	Forest	Type	Number
Mount Lowe Railway	ANF	Historic	1
Old Ridge Route	ANF	Historic	7
Bear Valley Prehistoric Site	CNF	Prehistoric	1
Greystone Villa—Cabin 18	CNF	Historic	1
Kirk Creek Campground	LPNF	Prehistoric	2
Knapp Ranch Cabin	LPNF	Historic	1
Eastern Sierra Madre Ridge Archeological District	LPNF	Prehistoric	51
Crowder Canyon Archeological District	SBNF	Prehistoric	4
Henry Washington, Survey Marker	SBNF	Historic	1

Table-247—State Historic Landmarks by Forest

State Historic Landmark	Forest	Type	Number
No. 514 Pomona Water Power Plant	ANF	Historic	1
No. 632 Old Short Cut	ANF	Historic	1
No. 717 The Angeles National Forest	ANF	Historic	1
No. 919 St. Francis Dam Disaster Site	ANF	Historic	1
No. 96 Mormon Road	SBNF	Historic	1
No. 576 Santa Fe and Salt Lake Trail Monument	SBNF	Historic	1
No. 577 Mormon Trail Monument	SBNF	Historic	1
No. 578 Stoddard-Waite Monument	SBNF	Historic	1
No. 579 Daley Toll Road Monument	SBNF	Historic	1
No. 618 Garces-Smith Monument	SBNF	Historic	1
No. 619 Holcomb Valley	SBNF	Historic	1
No. 977 The Arrowhead	SBNF	Historic	1

Table-248—Indigenous Groups at time of European Contact for Southern California Forests

Tribe	Angeles	Cleveland	Los Padres	San Bernardino
Cahuilla		X		X
Chumash	X		X	
Costanoan			X	
Cupeno		X		
Esselen			X	
Gabrielino	X	X		
Kumeyaay (Ipai/Tapai)		X		
Kitanemuk	X			
Luiseno/Juaeno		X		
Salinan			X	
Serrano	X			X
Tataviam	X			

Table-249—Acres of Back Country Motorized by Alternative

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	270,255	308,914	181,047	321,671	469,459	123,063
Cleveland	203,839	191,066	119,903	192,307	301,481	57,578
Los Padres	720,079	723,119	301,139	733,086	881,723	138,153
San Bernardino	328,029	313,580	213,978	346,604	472,471	135,445

Table-250—Back Country Motorized Acres in High Sensitivity Zone for Heritage Resources by Alternative

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	8,551	11,075	8,300	11,417	15,534	6,739
Cleveland	29,518	30,236	23,059	29,798	41,064	13,314
Los Padres	57,077	57,483	35,360	57,071	60,793	23,166
San Bernardino	55,580	56,416	44,493	58,714	66,094	29,862

Table-251—Comparison of Heritage Resource Special Interest Area Acreage by Alternative

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	0	6,639	7,850	6,639	0	16,907
Cleveland	0	0	0	0	0	0
Los Padres	5,592	15,524	15,524	15,524	5,592	15,524
San Bernardino	0	7,167	17,371	7,167	0	17,371

Table-252—High Sensitivity Heritage Acres in Wilderness (Existing and Recommended) by Alternative

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	250	728	973	272	250	1,105
Cleveland	8,885	10,568	14,590	8,973	8,885	15,625
Los Padres	26,983	28,535	31,279	28,334	26,983	41,502
San Bernardino	6,916	7,517	18,500	7,703	6,916	10,627

Table-253—Alternative Comparison of Road Mileage Reduction

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	2.83%	2.42%	2.43%	2.06%	0.00%	68.51%
Cleveland	2.95%	6.7%	3.78%	4.83%	0.00%	67.79%
Los Padres	0.00%	2.06%	2.57%	1.96%	0.00%	70.79%
San Bernardino	1.87%	1.34%	4.17%	0.72%	0.00%	62.57%

Mileage represents System Roads under FS Jurisdiction, reduction based on LUZs.

Table-254—Current Adopted Recreation Opportunity Spectrum (ROS) — Acres of NFS Lands by Forest

Classification	Angeles	Cleveland	Los Padres	San Bernardino	Forest Totals	Percent by ROS
Primitive	33,929	0*	580,915	117,792	732,636	21
Semi-Primitive Non-Motorized	175,209	143,781	399,315	162,226	880,531	25
Semi-Primitive Motorized	94,152	95,627	392,045	58,873	640,697	18
Roaded Natural	243,638	153,053	382,974	284,471	1,064,136	30
Rural	114,786	27,728	16,978	32,776	192,268	5
Unclassified	1,269	689	9,149	9,614	20,721	1

** No Primitive ROS classification was mapped within the Cleveland National Forest.*

Table-255—Estimated Developed Sites Activity Participation Range by Forest

Forest	Forest visits	Camping	Picnicking and family day gatherings
Angeles	3.5 million	5%	18%
Cleveland	0.8 million	17%	13%
Los Padres	1.5 million	17%	29%
San Bernardino	No data	No data	No data—surveying in 2003

Table-256—Current Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	ANF	CNF	LPNF	SBNF	LUZ Total
Existing Wilderness	56	145	8,534	582	9,317
Backcountry Non-Motorized	35	252	405	481	1,173
Backcountry Motorized	789	2,161	20,609	19,575	43,134
Developed Area Intermix	1,060	484	1,313	712	3,569
Urban Rural Interface	117	3	125	524	769
Critical Biological	19	1	0	0	20
Totals	2,076	3,046	30,986	21,874	57,982

Table-257—Estimated Dispersed Camping Activity Participation Range by Forest

Forest	Forest Visits	Estimated Dispersed Camping Activity Participation Range
Angeles	3.5 million	0%
Cleveland	0.8 million	7%
Los Padres	1.5 million	2%
San Bernardino	No data	No data—surveying in 2003

Table-258—Estimated Driving for Pleasure Activity Participation Range by Forest

Forest	Forest Visits	Estimated Driving for Pleasure Activity Participation Range
Angeles	3.5 million	3%
Cleveland	0.8 million	60%
Los Padres	1.5 million	15%
San Bernardino	No data	No data—surveying in 2003

Table-259—Estimated Wildlife and Nature Viewing Activity Participation Range by Forest

Forest	Forest Visits	Estimated Wildlife and Nature Viewing Activity Participation Range
Angeles	3.5 million	31%
Cleveland	0.8 million	67%
Los Padres	1.5 million	37%
San Bernardino	No data	No data—surveying in 2003

Table-260—Estimated Water Play Activity Participation Range

Forest	Forest Visits	Estimated Water Play Activity Participation Range
Angeles	3.5 million	38%
Cleveland	0.8 million	60%
Los Padres	1.5 million	40%
San Bernardino	No data	No data—surveying in 2003

Table-261—Hang Gliding Take-Offs In Southern California National Forests

Site Name	Location	Forest
Wild Cattle	Big Sur/Pacific Valley, near Prewitt Ridge Camp	Los Padres
Cuesta Ridge	Aprox 7 mi. NNW of San Luis Obispo along side road to Tassajera Peak electronic site	Los Padres
Plowshare	Plowshare Peak Electronic Site, Sierra Madre mountains, aprox 2.5 mi. SSW of Hwy 166	Los Padres
Santa Barbara mountain sites	Various launches for different conditions. Adjacent Camino Cielo and Gibraltar Roads, north of Santa Barbara 4 to 5 mi.	Los Padres
Pine Mountain (North and South Launches)	Two locations for two wind directions adjacent PineMtn. Ridge Road,10 mi. north of Ojai	Los Padres
Nordoff Ridge (Nordoff Peak and Chief Peak)	Two locations for two wind directions near Nordhoff Ridge road. Aprox 3.5 mi. north of Ojai	Los Padres
Kagel (Sylmar)	Kagle Mtn, 0.75 mi. east of Pacoima Reservoir Dam—3 mi. NE of 210 Fwy at Sylmar	Angeles
The Towers and The "2200" (Sylmar)	Towers—contract point .75 mi. WNW of Pacoima Reservoir, and the “2200” is 1.8 mi. WNW of the Towers	Angeles
Crestline (Paivika Ridge)/ Marshall	Marshall—at Marshall Pk— 6 mi. east of the Hwy 15 and Hwy 215 Jct. Crestline —Near Valley View Park—.6 mi. north of Marshall	San Bernardino
Cucamonga	Near Cucamonga Pk, 10 mi. due West of the Fwy15 and Fwy 215 intersection	San Bernardino
Black Hawk	Blackhawk Mtn., 5.5 mi. NEE of Big Bear city, overlooking the Lucerne Valley	San Bernardino
Lake Elsinore	1.5 mi. SW of Lake Elsinore, 2 sites—"Edwards" and .75 mi. further down 6S05 is "The E"	Cleveland
Horse Canyon	36 mi. east of San Diego, 0.75mi east of Hwy 8 at Buckman Springs	Cleveland

SOURCE: U.S. Hang Gliding Association, as verified by the Forest Service

Table-262—Recreational Target Shooting

Component	Los Padres	Angeles	San Bernardino	Cleveland
Concession-Operated Sites	None	A Place to Shoot Burro Canyon	Lytle Creek Firing Line	
Permitted Gun Clubs: Limited or No Public Access	Winchester Gun Club Ojai Gun Club	Desert Marksmen Burbank	Big Bear Sportman's Club Arrowhead Fish and Game Conservation Club	SERE Camp (DOD)
Designated Shooting Sites by Forest Order (Other Shooting Restrictions May Apply)	3 sites along Camino Cielo	3 sites temporarily closed since 1993.	Big Pine Flat 1N09 Lightning Gulch Arrastre #1/#2 San Jacinto RD (part open)	
Remainder of Forest	Some areas closed by Forest Order, but primarily open.	Closed to shooting.	Closed to shooting.	Closed by District specific order, unless open. Open areas are Orosco Ridge and along Palomar Divide.

Table-263—Estimated Hunting and Fishing Activity Participation Range

Forest	Forest Visits	Hunting	Fishing
Angeles	3.5 million	3%	12%
Cleveland	0.8 million	17%	14%
Los Padres	1.5 million	1%	5%
San Bernardino	No data	No data--surveying in 2003	No data--surveying in 2003

Table-264—Angeles National Forest Developed Ski Area Capacity (SAOT–Skiers At One Time)

Ski Area	SAOT
Mountain High	6,500
Mount Baldy	2,000
Ski Sunrise	1,500
Mount Waterman	1,200
Kratka Ridge/Snowcrest	800
Total	12,000

Table-265—San Bernardino National Forest Developed Ski Area Capacity (SAOT–Skiers At One Time)

Ski Area	SAOT
Snow Summit	6,500
Bear Mountain	6,500
Snow Valley	5,500
Green Valley	800
Total	19,300

Table-266—Estimated Future Visitor Use

National Forest	Estimated Visits* in 2020
Angeles	4,200,000
Cleveland	950,000
Los Padres	1,820,000
San Bernardino (estimate)	2,550,000
Total	9,520,00

** National Forest visit — The entry of one person upon a National Forest to participate in recreation activities for an unspecified period of time. A national forest visit can be composed of multiple site visits.*

Table-267—Alternative 1 Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	Angeles	Cleveland	Los Padres	San Bernardino	Land Use Zone Totals
Existing Wilderness	56	145	8,534	582	9,317
Backcountry Non-Motorized	35	252	405	481	1,173
Backcountry Motorized	789	2,161	20,609	19,575	43,134
Developed Area Intermix	1,060	484	1,313	712	3,569
Urban Rural Interface	117	3	125	524	769
Critical Biological Zone	19	1	-0-	-0-	20
Total	2,076	3,046	30,986	21,874	57,982

Table-268—Alternative 2 Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	Angeles	Cleveland	Los Padres	San Bernardino	Land Use Zone Totals
Existing Wilderness	56	145	8,534	582	9,317
Recommended Wilderness	34	28	410	89	561
Backcountry Non-Motorized	53	380	262	576	1,271
Backcountry Motorized	1,083	2,115	20,309	19,587	43,094
Developed Area Intermix	660	373	1,346	445	2,824
Urban Rural Interface	95	3	125	524	747
Critical Biological Zone	113	2	-0-	71	186
Total	2,094	3,046	30,986	21,874	58,000

Table-269—Alternative 3 Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	Angeles	Cleveland	Los Padres	San Bernardino	Land Use Zone Totals
Existing Wilderness	56	145	8,534	582	9,317
Recommended Wilderness	97	173	816	905	1,991
Backcountry Non-Motorized	108	237	4,765	408	5,518
Backcountry Motorized	953	2,112	15,161	18,829	37,055
Developed Area Intermix	649	371	1,421	445	2,886
Urban Rural Interface	95	3	131	524	753
Critical Biological Zone	138	6	157	182	483
Total	2,096	3,047	30,985	21,875	58,003

Table-270—Alternative 4 Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	Angeles	Cleveland	Los Padres	San Bernardino	Land Use Zone Totals
Existing Wilderness	56	145	8,534	582	9,317
Recommended Wilderness	-0-	10	382	179	571
Backcountry Non-Motorized	61	387	182	265	895
Backcountry Motorized	1,132	2,127	20,417	19,859	43,535
Developed Area Intermix	660	373	1,346	445	2,824
Urban Rural Interface	95	3	125	524	747
Critical Biological Zone	72	2	-0-	20	94
Total	2,076	3,047	30,986	21,874	57,983

Table-271—Alternative 5 Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	Angeles	Cleveland	Los Padres	San Bernardino	Land Use Zone Totals
Existing Wilderness	56	145	8,534	582	9,317
Recommended Wilderness	-0-	-0-	-0-	-0-	-0-
Backcountry Non-Motorized	-0-	-0-	-0-	-0-	-0-
Backcountry Motorized	1,243	2,525	20,981	20,323	45,072
Developed Area Intermix	660	373	1,346	445	2,824
Urban Rural Interface	117	3	125	524	769
Critical Biological Zone	-0-	-0-	-0-	-0-	-0-
Total	2,076	3,046	30,986	21,874	57,982

Table-272—Alternative 6 Acres of Potential Dispersed Vehicle Camping by Forest

Land Use Zone	Angeles	Cleveland	Los Padres	San Bernardino	Land Use Zone Totals
Existing Wilderness	56	145	8,534	582	9,317
Recommended Wilderness	83	218	4,113	317	4,431
Backcountry Non-Motorized	142	1,104	6,080	7,248	14,574
Backcountry Motorized	909	1,198	10,610	12,496	25,213
Developed Area Intermix	653	371	1,346	463	2,833
Urban Rural Interface	95	3	130	585	813
Critical Biological Zone	138	6	174	183	501
Total	2,076	3,045	30,987	21,874	57,982

Table-273—Angeles National Forest Recreational Target Shooting by Alternative

Target Shooting	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Gun Clubs	2	2	2	2	2	2
Concessionaire	2	2	2	2	2	2
Designated Areas	0	0	0	0	0	0
Rest of Forest	closed	closed	closed	closed	closed	closed

Table-274—Cleveland National Forest Recreational Target Shooting by Alternative

Target Shooting	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Gun Clubs	1	1	1	1	1	1
Concessionaire	0	0	0	0	0	0
Designated Areas	2	0	0	1	1	0
Rest of Forest	closed	closed	closed	closed	closed	closed

Table-275—Los Padres National Forest Recreational Target Shooting by Alternative

Target Shooting	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Gun Clubs	2	2	2	2	2	2
Concessionaire	0	0	0	0	0	0
Designated Areas	3	1	1	4	4	1
Rest of Forest	most	most	some	most	most	some

Table-276—San Bernardino National Forest Recreational Target Shooting by Alternative

Target Shooting	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Gun Clubs	2	2	2	2	2	2
Concessionaire	1	1	1	1	1	1
Designated Areas	5	5	0	5	5	0
Rest of Forest	most of San Jacinto District	most of San Jacinto District	closed	most of San Jacinto District	most of San Jacinto District	closed

Table-277—Totals — Recreational Target Shooting by Alternative

Target Shooting	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Gun Clubs	7	7	7	7	7	7
Concessionaire	3	3	3	3	3	3
Designated Areas	10	6	1	9	9	1
Rest of Forest	most of San Jacinto District and LPNF	most of San Jacinto District and LPNF	some of LPNF	most of San Jacinto District and LPNF	most of San Jacinto District and LPNF	some of LPNF

Table-278—Landscape Attractiveness — Acres and Percent of Total Acres, by Class and Forest

Scenic Attractiveness Class	Angeles	Cleveland	Los Padres	San Bernardino
SAC A - Distinctive Landscapes	157,100 24%	66,065 16%	248,670 14%	211,160 32%
SAC B - Typical Landscapes	482,825 74%	329,967 78%	1,497,782 84%	247,418 38%
SAC C - Indistinctive Landscapes	15,930 2%	24, 845 6%	34,925 2%	207,175 30%

Table-279—Key Places Valued for Scenic Quality

Forest	Key Place	Acres
Angeles National Forest	Angeles High Country	100,560
	Angeles Uplands West	68,792
	Front Country	101,232
	Liebre-Sawmill	17,094
	Mojave Front Country	52,610
	Santa Clara Canyons	140,824
	Soledad	59,338
Cleveland National Forest	Aguanga	47,895
	Elsinore	46,729
	Morena	49,568
	Laguna	30,183
	Palomar	23,940
	Pine Creek	33,561
Los Padres National Forest	Big Sur	82,718
	Cuesta	42,187
	Highway 33	109,150
	Ojai-Piru Front	59,453
	Santa Barbara Front	57,161
San Bernardino National Forest	Arrowhead	36,663
	Big Bear	39,078
	Big Bear Back Country	63,889
	Front Country	13,079
	Garner Valley	38,451
	Idyllwild	44,361
	Lytle Creek	42,384
	San Bernardino Front	84,566
	San Gorgonio	99,925
	Santa Rosa & San Jacinto Mtns	63,726

Table-280—Scenic Integrity Objectives for Alternative 1 — Acres and Percent of Total, by SIO and Forest

SIO	Angeles	Cleveland	Los Padres	San Bernardino
Very High	80,284 12%	77,250 18%	828,863 47%	134,662 20%
High	290,775 42%	152,219 35%	270,190 15%	296,425 44%
Moderate	235,760 39%	174,545 41%	497,140 29%	226,555 34%
Low	48,015 7%	28,730 6%	161,415 9%	7,925 1%
Very Low	1,021 > 1%	1,750 > 1%	5,575 > 1%	6,826 1%

Table—281-Law Enforcement Offenses from Fiscal Year 2000 through Fiscal Year 2003

Forest	2000	2001	2002	2003
Angeles	2,820	1,737	3,139	2,541
Cleveland	480	1,772	5,097	1,332
Los Padres	1,299	1,373	1,213	830
San Bernardino	797	809	1,152	1,623
Total	5,396	5,691	10,601	6,326

(LEIMARS data base, 2000-2003).

Table-282—Administrative Facilities by Forest

Category	ANF	CNF	LPNF	SBNF	Totals
Number of Sites	55	27	55	43	165
Number of Buildings	350	286	241	225	1102
Square Feet	565,600	375,200	568,300	295,200	1,804,240
Deferred Maintenance Backlog	$22,000,000	$13,000,000	$10,500,000	$3,200,000	$48,700,000

Table-283—Miles of Freeways, State Highways, County Roads, and Forest Highways by Forest

Category	ANF	CNF	LPNF	SBNF	Total
Interstate Highways	13	24	0	14	51
State Highways	92	21	72	219	404
County Roads	156	180	271	66	673
Totals	261	225	343	299	1,128
Forest Highways (subset of State and County above)	141	72	22	102	337

Table-284—Miles of PFSR, arterial, collector, and local roads by forest

Category	ANF	CNF	LPNF	SBNF	Totals
PFSR	156	55	162	65	438
Arterial	121	18	0	2	141
Collector	599	313	76	315	1303
Local	195	86	1100	725	2106

Table-285—Miles of NFSR level 1-5, temporary, and unclassified roads by forest

Category	ANF	CNF	LPNF	SBNF	Totals
NFSR Levels 1-5	915	418	1177	1270	3780
Temporary	168	184	184	241	777
Unclassified	137	168	390	671	1366

Table-286—Acres occupied by roads, by forest, and by road category

Category	ANF	CNF	LPNF	SBNF	Totals
Interstate Freeways	1,560	2,880	0	1,680	6,120
State Highways	1,472	336	1,152	3,504	6,464
County Roads	2,496	2,880	4,336	1,056	10,768
NFSR	5,528	6,096	5,488	6,240	23,352
Level 5	168	175	392	266	1,001
Level 4	609	378	938	154	2,079
Level 3	1,085	126	1,505	1,911	4,627
Level 2	3,085	1,555	3,620	4,325	12,585
Level 1	160	50	240	360	810
Total Levels 1-5	5,107	2,284	6,695	7,016	21,102
Sub-Total Level 3-5	1,862	679	2,835	2,331	7,707
Sub-Total Level 1-2	3,245	1,605	3,860	4,685	13,395
Temporary	1,176	1,288	1,288	1,687	5,439
Unclassified	411	504	1,170	2,013	4,098
Total Acres All Roads	12,222	10,172	14,641	16,956	53,991
Percent of NF Acres	1.86%	2.34%	0.83%	2.52%	1.53%

Table-287—Road Density by Forest

Category	ANF	CNF	LPNF	SBNF	Totals
Total NFSR	915	418	1177	1270	3780
Rd. Density NFSR Miles/Sq. Mi.	0.88	0.61	0.43	1.21	0.68

Table-288—Miles Of National Forest System Roads By Road Maintenance Levels

ML Category	ANF	CNF	LPNF	SBNF	Totals
Level 5	24	25	56	38	143
Level 4	87	54	134	22	297
Level 3	155	18	215	273	661
Level 2	617	311	724	865	2,517
Level 1	32	10	48	72	162
Total Levels 1-5	915	418	1,177	1,270	3,780

Table-289—Road Miles By Objective Maintenance Level By Land Use Zone

	BCM	BCNM	CB	EF	EW	DAI	RW	URI
ML 1	77.9	4.8	1.1	0.0	14.7	22.1	0.0	7.0
ML 2	1,404.4	41.3	0.0	22.3	7.9	279.0	0.0	83.1
ML 3	534.1	10.7	4.6	0.7	0.2	103.6	0.0	36.7
ML 4	118.5	0.8	0.2	1.5	0.1	56.9	0.0	21.6
ML 5	30.3	0.1	0.6	0.1	0.1	46.4	0.0	23.4
Total	2,165.2	57.7	6.5	24.6	23.0	508.0	0.00	171.8

BCM=backcountry motorized,
BCNM=backcountry non-motorized,
CB=critical biological,
EF=experimental forest,
EW=existing wilderness,
DAI=developed area intermix,
RW=recommended wilderness,
URI= urban/rural interface

Table-290—Road Miles in Inventoried Roadless Areas

Forest	NFSR	Temporary	Unclassified	Totals
Angeles	13.4	20.3	9.0	42.6
Cleveland	3.2	13.2	21.7	38.0
Los Padres	128.3	49.2	140.6	318.1
San Bernardino	16.2	16.5	90.7	123.4
Totals	161.0	99.2	261.9	522.2

Table-291—High-Risk Slope Zones 7 and 10, National Forest System Road miles by Forest

Maintenance Category	ANF	CNF	LPNF	SBNF	Totals
Levels 3-5	129.7	39.9	71.4	74.0	315.0
	41.2%	17.6%	22.2%	28.6%	48.8%
Levels 1-2	315.2	36.2	162.8	176.2	690.4
	11.3%	21.1%	18.8%	25.8%	48.6%
Total Levels 1-5	445.0	76.1	234.2	250.2	1005.5
	18.2%	19.9%	19.7%	26.6%	48.6%

Table-292—Alternative 1 — Miles Of Roads And Land Use Zone By Objective Maintenance Level

	BCM	BCNM	CB	EF	EW	DAI	RW	URI	Miles lost by Zoning
ML 1	77.9	4.8	1.1	0.0	14.7	22.1	0.0	7.0	4.8
ML 2	1,404.4	41.3	0.0	22.3	7.9	279.0	0.0	83.1	41.3
ML 3	534.1	10.7	4.9	0.7	0.2	103.6	0.0	36.7	
ML 4	118.5	0.8	0.2	1.5	0.1	56.9	0.0	21.6	
ML 5	30.3	0.1	0.6	0.1	0.1	46.4	0.0	23.4	
Total	2,165.2	57.7	6.8	24.6	23.0	508.0	0.0	171.8	46.1 (1.6%)

Table-293—Alternative 2 — Miles Of Roads And Land Use Zone By Objective Maintenance Level

	BCM	BCNM	CB	EF	EW	DAI	RW	URI	Miles Lost by Zoning
ML 1	86.90	2.12	1.06	0.00	14.73	12.05	3.71	7.04	5.82
ML 2	1,525.46	49.43	1.07	22.18	7.85	133.77	17.59	80.61	67.02
ML 3	569.20	6.23	5.35	0.67	0.20	72.50	0.00	36.71	
ML 4	126.61	1.72	0.18	1.46	0.11	47.83	0.00	21.58	
ML 5	34.12	0.44	0.74	0.03	0.03	42.61	0.00	22.99	
Total	2,342.29	59.94	8.40	24.34	22.92	308.75	21.29	168.92	72.84 (2.46%)

Table-294—Alternative 3 — Miles Of Roads And Land Use Zone By Objective Maintenance Level

	BCM	BCNM	CB	EF	EW	DAI	RW	URI	Miles Lost by Zoning
ML 1	82.4	1.6	1.5	0.0	14.7	12.7	7.7	7.0	9.3
ML 2	1,499.3	30.6	3.7	22.2	7.9	132.3	55.9	86.2	86.5
ML 3	572.3	0.1	5.7	0.7	0.2	72.3	2.9	36.7	
ML 4	126.0	0.8	8.6	1.5	0.1	40.6	0.3	21.6	
ML 5	34.3	0.2	1.4	0.1	0.1	41.8	0.0	23.1	
Total	2,314.3	33.3	20.9	24.5	23.0	299.7	66.8	174.6	95.8 (3.2%)

Table-295—Alternative 4 — Miles Of Roads And Land Use Zone By Objective Maintenance Level

	BCM	BCNM	CB	EF	EW	DAI	RW	URI	Miles Lost by Zoning
ML 1	86.7	2.4	1.2	0.0	14.7	12.1	3.7	7.0	6.1
ML 2	1,544.8	31.8	1.0	22.3	7.9	133.9	16.6	80.7	48.4
ML 3	575.8	0.9	4.1	0.7	0.2	72.6	0.0	36.7	
ML 4	128.5	0.0	0.2	1.5	0.1	48.6	0.0	20.9	
ML 5	34.8	0.1	0.6	0.1	0.1	42.7	0.0	23.1	
Total	2,370.6	35.2	7.1	24.6	23.0	309.9	20.3	168.4	54.5 (1.84%)

Table-296—Alternative 5 — Miles Of Roads And Land Use Zone By Objective Maintenance Level

	BCM	BCNM	CB	EF	EW	DAI	RW	URI	Miles Lost by Zoning
ML 1	93.3	0.0	0.0	0.0	14.7	12.6	0.0	7.0	
ML 2	1,592.9	0.0	0.0	22.3	7.9	133.8	0.0	81.1	
ML 3	581.7	0.0	0.0	0.7	0.2	71.6	0.0	36.7	
ML 4	129.0	0.0	0.0	1.5	0.1	48.0	0.0	20.9	
ML 5	34.5	0.0	0.0	0.1	0.1	43.2	0.0	23.1	
Total	2,431.4	0.0	0.0	24.6	23.0	309.2	0.0	168.8	

Table-297—Alternative 6 — Miles Of Roads And Land Use Zone By Objective Maintenance Level

	BCM	BCNM	CB	EF	EW	DAI	RW	URI	Miles Lost by Zoning
ML 1	47.4	36.3	1.5	0.0	14.7	12.1	8.6	7.0	127.6
ML 2	630.9	902.0	3.9	22.3	7.9	137.7	50.0	83.2	1,837.9
ML 3	556.3	7.8	6.5	0.7	0.2	75.8	7.0	36.7	14.8
ML 4	122.8	3.2	9.6	1.5	0.1	39.6	0.1	22.5	
ML 5	34.2	0.4	3.5	0.1	0.1	39.7	0.0	23.0	
Total	1,391.6	949.7	25.0	24.6	23.0	304.9	65.7	172.4	1,979.5 (66.9%)

Table-298—Unclassified Road Miles By Land Use Zone By Alternative

Land Use Zone	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
BCM	656	689	513	708	129	38
CB	18	4	5	4	0	2
EF	2	1	1	2	2	2
DAI	120	77	80	78	21	22
URI	72	71	71	71	6	6
BCNM	113	111	187	96	0	59
EW	31	49	49	49	10	10
RW	0	7	107	6	0	28
Conflicts	144	166	342	151	10	97

Table—299—Road Density by Acres

Road Density miles/sqmi	ANF	CNF	LPNF	SBNF	TOTALS	Percent of Totals
> 4.0	56,964	26,427	32,548	70,203	186,142	5%
2.0 - 4.0	136,075	67,944	169,173	143,212	516,404	15%
0.5 - 2.0	151,698	94,889	285,617	146,247	678,451	19%
< 0.5	318,245	231,618	1,288,198	289,482	2,127,543	61%
	662,983	420,877	1,775,536	649,143	3,508,539	

Table-300—High Risk Locations by Road Miles, by Forest

Maintenance Level (ML)	ANF	CNF	LPNF	SBNF	Totals
Level 5	2.7	5.2	5.1	4.5	17.6
Level 4	23.6	8.6	18.5	3.9	54.7
Level 3	48.5	6.5	24.0	45.2	124.1
Level 2	247.5	65.8	71.7	156.2	541.2
Level 1	16.9	0.0	4.5	18.7	40.1
Total ML 1-5	339.3	86.1	123.8	228.4	777.6
Percent of Total ML 1-5	37.1%	20.6%	10.5%	18.0%	20.6%
Level 3-5	74.9	20.3	47.6	53.6	196.4
Percent of Total ML 3-5	28.1%	20.9%	11.8%	16.1%	17.8%
Level 1-2	264.4	65.8	76.2	174.8	581.2
Percent of Total ML 1-2	40.7%	20.5%	9.9%	18.7%	21.7%

Table-302—Federally Recognized Tribes Within Forest's Sphere Of Influence

Tribe	ANF	CNF	LPNF	SBNF
Agua Caliente Band of Cahuilla Indians				X
Augustine Band of Mission Indians				X
Barona Group of the Capitan Grande Band of Mission Indians		X		
Cabazon Band of Mission Indians				X
Cahuilla Band of Mission Indians		X		X
Campo Band of Mission Indians		X		
Capitan Grande Band of Mission Indians		X		
Cuyapaipe Band of Mission Indians		X		
Inaja/Cosmit Band of Mission Indians		X		
Jamul Band of Mission Indians		X		
La Posta Band of Mission Indians		X		
La Jolla Band of Mission Indians		X		
Los Coyotes Band of Mission Indians		X		X
Manzanita Band of Mission Indians		X		
Mesa Grande Band of Mission Indians		X		
Morongo Band of Mission Indians				X
Pala Band of Mission Indians		X		
Pauma Band of Mission Indians		X		
Pechanga Band of Mission Indians		X		
Ramona Band of Mission Indians		X		X
Rincon Band of Mission Indians		X		
San Manuel Band of Mission Indians				X
San Pasqual Band of Mission Indians		X		
Santa Rosa Band of Mission Indians				X
Santa Ynez Band of Mission Indians			X	
Santa Ysabel Band of Mission Indians		X		
Soboba Band of Mission Indians		X		X
Sycuan Band of Mission Indians		X		
Torres-Martinez Desert Cahuilla Indians				X
Viejas (Baron Long) Band of Mission Indians		X		

Table-303—Non-Federally Recognized Tribes Within Forest's Sphere Of Influence

Tribe	ANF	CNF	LPNF	SBNF
Esselen Nation			X	
Fernandeño Tataviam	X			
Gabrielino-Tongva Tribal Council of San Gabriel	X			X
Gabrielino-Tongva Tribal Council of the Gabrielino Tongva Nation	X			
Gabrielino Tongva Indians of California	X			
Kawaiisu Tribe			X	
Intertribal Council of Tongva	X			X
Juaneno Band of Mission Indians Acjachmemen Nation (multiple)		X		X
Ohlone Bear Clan			X	
San Luis Rey Band of Mission Indians		X		
Salinan Tribe			X	
Tehatchapi Indian Tribe	X			
Tejon Tribe			X	

Table-304—Wilderness Acres (Existing and Recommended) by Alternative

Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
1,148,456	1,327,061	1,617,076	1,228,967	1,148,456	1,730,112

Table-305—Back Country Motorized Acres by Alternative

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	270,255	308,914	181,047	321,671	469,459	123,063
Cleveland	203,839	191,066	119,903	192,307	301,481	57,578
Los Padres	720,079	723,119	301,139	733,086	881,723	138,153
San Bernardino	328,029	313,580	213,978	346,604	472,471	135,445

Table-306—Non-Recreation Special Use Authorizations, Number of Authorizations and Acres by Forest

Category of Use	ANF		CNF		LPNF		SBNF		Total	
	#	Acres	#	Acres	#	Acres	#	Acres	#	Acres
Agriculture	40	72	16	335	23	1,066	13	276	92	1,749
Community	50	701	15	21	32	1,301	46	369	143	2,392
Research, etc.	48	166	8	157	30	14	30	723	116	1,060
Industry	29	1,577	7	155	13	40	47	166	96	1,938
Energy Trans.	46	7,320	85	527	50	1,463	52	1,127	233	10,437
Roads & Trails	149	5,338	86	2,269	162	1,821	204	1,649	601	11,077
Communication	164	448	87	205	118	201	59	762	428	1,616
Water	216	5,324	58	923	118	263	149	242	541	6,752
TOTAL	742	20,946	362	4,592	546	6,169	600	5,314	2,250	37,021

Data as of June 2003

Table-307—Utility and Transportation Corridors and Communication Sites (Currently Designated)

National Forest	Utility Corridors	Transportation Corridors	Communications Sites
Angeles	12	30	27
San Bernardino	1	0	14
Cleveland	1	2	9
Los Padres	1	0	23
Total	15	32	73

Table-308—Proposed Urban Rural Interface (URI), Developed Area Intermix (DAI), and Back Country Motorized (BCM) Acreage by Alternative and Forest

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	443,201	402,467	273,643	415,800	564,189	217,772
Cleveland	260,096	234,472	163,721	236,093	345,354	101,794
Los Padres	759,404	766,855	348,030	776,651	920,702	182,600
San Bernardino	394,735	376,198	278,034	409,222	535,391	200,949
Total	1,857,436	1,779,992	1,063,428	1,837,766	2,365,636	703,115

Table-309—Suitability of Western Regional Corridor Planning Partnership Corridors

WRCPP Priority Utility Corridor	Suitable Alternatives	Approximate Length (Miles)	Approximate Area (Acres)
Elsinore/San Mateo	1,4,5	23.0	8,495
El Cajon Mountain	1,2,4,5	6.0	1,920

Table-310—Acres Currently Withdrawn From Mineral Entry

National Forest	Total Acres Withdrawn From Mineral Entry (as of 2003)	Wilderness Acres Withdrawn From Mineral Entry
Angeles	394,547	81,924
Cleveland	87,865	75,523
Los Padres	957103	860647
San Bernardino	147,430	130,362
Total	1,586,960	928,293

Table-311—Recommended Acres for Withdrawal from Mineral Entry in Critical Biological Zones by Forest and Alternative

Alternative	ANF	CNF	LPNF	SBNF
1	2,481	1,210	0	0
2	3,534	6,001	0	1,967
3	5,247	4,922	798	1,848
4	3,793	6,001	0	1,834
5	1,440	0	0	0
6	4,729	6,715	852	2,426

Table-312—Percent of Land Area Expected to be Withdrawn from Mineral Entry

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	2.7%	14.9%	19.2%	4.8%	2.5%	24.9%
Cleveland	0.3%	5.3%	20.6%	1.5%	0.0%	17.7%
Los Padres	0.0%	3.5%	8.1%	2.6%	0.0%	17.5%
San Bernardino	0.0%	3.1%	20.6%	3.5%	0.0%	9.1%

Table—313—Ownership Complexity

Forest	Miles NFS	Miles/sq.mile	Miles Private	Miles/sq.mile
Angeles	1,242	1.13	462	0.42
Cleveland	1,299	1.44	1,058	1.17
Los Padres	2,918	0.95	1,728	0.56
San Bernardino	1,665	1.32	1,018	0.81

Table-314—Estimated Percent of Forest Accessible by Road

	Other Roads	Added by NFS Roads	Add by Permitted Roads	Added by Unclassified Roads	Forest Total
Angeles	21	29	2	1	53
Cleveland	32	12	4	5	53
Los Padres	12	16	1	3	31
San Bernardino	28	27	2	5	62

Table-315—Estimated Percent of Forest Accessible by Road

Forest	Acreage Within Forest Boundary	Acreage Managed By Forests	Acres Managed For Motorized Uses	Acres Managed For Non-Motorized Uses	% Of Acreage Available For Motorized Uses
Angeles	693,667	655,387	453,845	209,138	69%
Cleveland	566,850	433,958	277,097	143,781	64%
Los Padres	1,962,743	1,760,982	801,146	980,230	46%
San Bernardino	818,999	671,686	385,734	280,018	57%
Total	4,042,259	3,514,031	1,917,822	1,613,167	Avg = 55%

Table-316—Off-highway vehicle travel (4-wheelers, dirt bikes, etc.), use by forest

Forest (Year Surveyed)	Number of Visitors	% of NF Visits
Angeles (2001)	210,000	6% of 3.5 million NF visits
Cleveland (2002)	130,000	16.5% of 0.8 million NF visits
Los Padres (2002)	114,000	7.6 % of 1.5 million NF visits
San Bernardino NF	No data yet - surveying FY 03	No data yet - surveying FY 03

Table-317—20% Increase In OHV Use Projected by the Year 2020

Forest	Current Use	20% Increase	Rate Of Change Over 15-Year Period
Angeles	210,000	252,000	2,800/yr
Cleveland	130,000	156,000	1,733/yr
Los Padres	114,000	136,800	1,520/yr
San Bernardino[1]	212,000	254,400	2,827/yr
Total	666,000	799,200	8,880/yr

Note: [1]Visitor use statistics from the Adventure Pass program

Table-318—Cleveland National Forest Candidate Research Natural Areas Recommended By Alternative

CRNA Name	Acres	Primary Vegetation Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
San Diego River	5,965	Inland coastal sage scrub	N	5,965	5,965	N	N	5,965
Viejas Mountain	3,182	Chamise chaparral	N	3,182	3,182	N	N	3,182
Guatay	1,337	Tecate cypress	N	1,337	1,337	N	N	1,337
Pleasants Peak	661	Knobcone pine, serpentine vegetation	N	N	661	N	N	661

Table-319—Los Padres National Forest Candidate Research Natural Areas Recommended By Alternative

cRNA Name	Acres	Primary Vegetation Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Big Pine Mountain	3,258	Southern California mixed conifer forest	3,258	3,258	3,258	3,258	N	3,258
Cobblestone Mountain	2,224	Bigcone Douglas-fir	N	N	N	N	N	2,224
White Mountain	2,104	Bigcone Douglas-fir	N	2,104	2,104	2,104	N	2,104
Sawmill Mountain	3,451	Jeffrey pine forest	3,451	3,451	3,451	3,451	N	3,451
Ventana Cones	2,220	Santa Lucia fir/canyon live oak forest	2,220	2,220	2,220	2,220	2,220	2,220
Valley Oak	108	Valley oak woodland	108	108	108	108	N	108

Table-320—San Bernardino National Forest Candidate Research Natural Areas Recommended By Alternative

CRNA Name	Acres	Primary Vegetation Type	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Cleghorn Canyon	1,662	Western sycamore-alder riparian forest	N	1,662	1,662	N	N	1,662
Arrastre	1,451	Pebble plains	N	1,451	1,451	N	N	1,451
Broom Flat	417	Singleleaf pinyon/California juniper woodland	N	N	417	N	N	417
Wild Horse Meadow	1,255	Wet meadow vegetation	N	1,255	1,255	N	N	1,255
Blackhawk[1]	2,805	Carbonate plants	N	2,805	2,805	N	N	2,805

[1]1,561 acres are on NFS land; this balance is BLM land.

Table-321—Summary of Candidate Research Natural Areas Recommended By Alternative

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Candidate RNAs	4	12	14	5	1	15
Total Acres	9,037	28,798	29,876	11,141	2,220	32,100

Table-322—Established RNAs On The Southern California National Forests

Name	Forest	Target Element	Year Est.	Acres
Falls Canyon	ANF	Bigcone Douglas-fir forests	1998	1,440
Fern Canyon	ANF	Mixed chaparral; live oak woodlands	1972	1,400
Agua Tibia	CNF	Bigcone Douglas-fir forests; chaparral	1990	517
King Creek	CNF	Cuyamaca cypress forests	1991	992
Organ Valley	CNF	Engelmann oak woodlands	1991	562
American Canyon	LPNF	Coulter pine woodlands; montane chaparral	1991	1,529
Black Butte	LPNF	Knobcone pine forests; montane chaparral	1998	940
Cone Peak Gradient	LPNF	Mixed evergreen forests	1987	2,736
San Emigdio Mesa	LPNF	Singleleaf pinyon-dwarf oak woodlands	1998	1,239
Cahuilla Mountain	SBNF	Coulter pine forests; black oak woodlands	1989	861
Fisherman's Camp	SBNF	Coulter pine forests	1998	412
Hall Canyon	SBNF	Mixed conifer forests	1990	671
Horse Meadow	SBNF	White fir forests	1998	935
Millard Canyon	SBNF	Interior live oak forests	1991	785

Table-323—Candidate RNAs On The Four Southern California National Forests

Name	Forest	Target Element	Acres
Guatay Mountain	CNF	Tecate cypress woodlands	1,337
Upper San Diego River	CNF	Coastal sage scrub	5,965
Viejas Mountain	CNF	Gabbro plant endemics; chamise chaparral	3,182
Pleasants Peak	CNF	Knobcone pine, serpentine plant species	661
Big Pine Mountain	LPNF	Mixed conifer forests; montane chaparral	3,258
Cobblestone Mountain	LPNF	Bigcone Douglas-fir forests	2,224
Sawmill Mountain	LPNF	Jeffrey pine forests, singleleaf pinyon woodlands	3,451
Valley Oak	LPNF	Valley oak woodlands/California annual grasslands	108
White Mountain	LPNF	Bigcone Douglas-fir forests	2,104
Ventana Cones	LPNF	Santa Lucia fir/canyon live oak forests	2,220
Arrastre	SBNF	Pebble plains plants	1,451
Blackhawk*	SBNF	Carbonate plants	2,805
Broom Flat	SBNF	Singleleaf pinyon woodlands and forests	417
Cleghorn Canyon	SBNF	Southern sycamore-white alder riparian woodlands	1,662
Wildhorse Meadow	SBNF	Meadow plants	1,255

Note there are no cRNAs identified for the ANF.
**1,561 acres are on NFS land; this balance is BLM land.*

Table-324—Miles of ML 2 Road Opportunity for Non-Highway Licensed Vehicle Use

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	350	348	342	348	350	310
Cleveland	240	112	96	113	138	40
Los Padres	631	407	388	412	414	289
San Bernardino	618	567	360	572	592	160
Total	1,839	1,434	1,186	1,445	1,494	799

Table-325—Miles of Trail Opportunity for Non-Highway Licensed Vehicles

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles NF	229	228	112	231	262	204
Cleveland NF	183	138	108	132	198	74
Los Padres NF	359	285	184	287	287	256
San Bernardino NF	273	474	321	480	517	223
Total	1,044	1,125	725	1,130	1,264	757

Table-326—Summary of Roads and Trails Available for Non-Highway Licensed Vehicle Use

Angeles National Forest						
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Roads	350	348	0	348	350	310
Trails	229	228	112	231	262	204
Total	579	576	112	579	612	514
Cleveland National Forest						
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Roads	240	112	0	113	138	40
Trails	183	138	108	132	198	74
Total	423	250	108	245	336	114
Los Padres National Forest						
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Roads	631	407	0	412	414	289
Trails	359	285	184	287	287	256
Total	990	692	184	699	701	545
San Bernardino National Forest						
	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Roads	618	567	0	572	592	160
Trails	273	474	321	480	517	223
Total	891	1041	321	1052	1109	383
Cumulative Total	2,883	2,559	725	2,575	2,758	1,556

Table-327—Miles of ML2 Road Available as an Off-Highway Vehicle Opportunity for Highway Licensed Vehicles

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	449	452	0	455	469	310
Cleveland	219	205	0	211	228	40
Los Padres	539	523	0	525	539	289
San Bernardino	560	560	0	572	572	160
Total	1,767	1,740	0	1,763	1,808	799

Table-328—Miles of ML2 Road Managed as a 4WD Opportunity

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	269	271	0	273	281	310
Cleveland	194	182	0	188	203	40
Los Padres	309	298	0	299	307	289
San Bernardino	112	112	0	114	114	38
Total	884	863	0	874	905	677

Table-329-Acres Of Coastal Sage Scrub Expected To Be Grazed By Alternative

Alternative	Not Expected to be Grazed	Expected to be Grazed	Acres Within Allotments Excluded by Suitability Criteria
Alt 1	546	36,723	4,368
Alt 2	17,450	19,997	4,189
Alt 3	20,600	19,513	1,524
Alt 4	17,768	19,680	4,189
Alt 5	5,796	30,495	5,346
Alt 6	41,637	0	41,637

Table-330-Acres Of Meadow Expected To Be Grazed By Alternative

Acres of Mapped Meadows 40,820-11,527	Not Expected to be Grazed	Expected to be Grazed
Alt 1	1,091	28,202
Alt 2	3,112	26,181
Alt 3	5,533	23,760
Alt 4	4,906	24,387
Alt 5	1,310	27,983
Alt 6	29,293	0

Table-331-Acres Of Oak Woodland Expected To Be Grazed By Alternative

Alternative	Not Expected to be Grazed	Expected to be Grazed
Alt 1	1,097	63,907
Alt 2	6,384	58,620
Alt 3	8,700	56,620
Alt 4	7,485	57,519
Alt 5	2,187	62,817
Alt 6	65,004	0

Table-332-Acres Of Mapped Riparian Vegetation Expected To Be Grazed By Alternative

Alternative	Not Expected to be Grazed	Expected to be Grazed
Alt 1	2	2,674
Alt 2	1,227	1,449
Alt 3	1,305	1,372
Alt 4	1,249	1,427
Alt 5	294	2,382
Alt 6	2,676	0

Table-333-Comparison Of Alternative Acres By Land Use Zone

Alternative	URI	DAI	BCM	BCNM	CB	EW	RW	EF
1	92,649	242,587	1,522,202	505,948	1,210	1,148,471	0	15,429
2	89,603	153,712	1,536,679	398,262	11,502	1,148,471	178,605	14,144
3	92,395	154,966	816,065	823,496	10,169	1,148,471	468,620	14,144
4	73,607	154,137	1,593,668	437,169	9,794	1,148,471	80,512	15,429
5	90,471	149,940	2,125,134	0	1,440	1,148,471	0	15,429
6	93,428	155,429	454,239	1,067,583	14,721	1,148,471	581,657	15,429

Table-334-Percent Of Each Land Use Zone By Alternative

Alternative	URI	DAI	BCM	BCNM	CB	EW	RW	EF
Alt 1	2.62%	6.87%	43.11%	14.33%	0.10%	32.53%	0.00%	0.44%
Alt 2	2.54%	4.35%	43.52%	11.28%	0.33%	32.53%	5.06%	0.40%
Alt 3	2.62%	4.37%	23.11%	23.32%	0.36%	32.53%	13.27%	0.40%
Alt 4	2.55%	4.37%	45.13%	12.38%	0.33%	32.53%	2.28%	0.44%
Alt 5	2.56%	4.25%	60.19%	0.00%	0.04%	32.53%	0.00%	0.44%
Alt 6	2.65%	4.40%	12.86%	30.23%	0.42%	32.53%	16.47%	0.44%

Table-335-Total Acres Of Recommended Wilderness, By Alternative, By Forest

Forest	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Angeles	0	80,904	107,632	12,321	0	144,861
Cleveland	0	16,415	81,840	485	0	67,958
Los Padres	0	62,363	143,810	46,192	0	310,955
San Bernardino	0	18,923	135,339	21,514	0	57,883
TOTALS	0	178,605	468,621	80,512	0	581,657

Note: Acres include any areas being proposed as wilderness, including IRAs, portions of IRAs, or other areas identified by the Forests

Table-336-Recommended Wild And Scenic River Mileage By Classification And Alternative (Los Padres NF)

Classification	Miles Eligible by Potential Classification	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Wild	44.7	0.0	27.1	37.1	13.0	0.0	44.7
Scenic	61.2	0.0	65.3	60.2	40.5	0.0	61.2
Recreational	18.2	0.0	9.5	18.2	14.9	0.0	18.2
Total Miles	124.1	0.0	101.9	115.5	68.4	0.0	124.1

Table-337-Summary of Candidate Special Interest Areas Recommended By Alternative

	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Total	0	13	27	10	7	27
Total Acres	0	34,809	68,655	28,521	4,812	77,740

Table-338-Established Special Interest Areas

Name	Forest	Values	Acres
Devil's Punchbowl	ANF	Geological - folds, faults, plate tectonics, cuetas, hogbacks	1,255
Mt. Baden-Powell	ANF	Botanical - ancient limber pine, subalpine plants	252
Mt. San Antonio	ANF	Botanical - alpine and subalpine plants	164
Guatay	CNF	Botanical - Tecate cypress	180
West Fork of San Luis Rey River	CNF	Zoological - wild trout	218
Cuesta Ridge	LPNF	Botanical - Sargent cypress, Coulter pine, and 12% of Forest's sensitive plants	1,304
Southern Redwood	LPNF	Botanical - Southernmost stand of natural redwoods	17
Alder Creek	LPNF	Botanical - Sargent cypress with rare endemics	23
Lion Den Springs	LPNF	Botanical - Sargent cypress grove with endemics	81
Dry Lakes Ridge	LPNF	Botanical - Disjunct relic plant species within small-enclosed basin	406
Mount Pinos Summit	LPNF	Botanical - Limber pine stands, Forest's sole example of so cal subalpine forest	453
Quatal Canyon	LPNF	Geological - Unique eroded badland topography with Miocene vertebrate fossils	469
Sierra Madre	LPNF	Cultural Resources	5,592
Black Mountain	SBNF	Scenic	6,605
North Baldwin Lake and Holcomb Valley	SBNF	Botanical, Zoological and Historical	10,790
TOTAL			27,809

Table-339-Angeles National Forest Candidate Special Interest Areas

Name	Values	Acres
Aliso-Arrastre (North, Middle and South)	Heritage - numerous prehistoric archaeological sites	16,907
Liebre Mountain	Botanical - oak woodlands and meadows	9,521

Table-340-Cleveland National Forest Candidate Special Interest Areas

Name	Values	Acres
Chiquito Springs	Botanical - deergrass meadow, oak riparian	738
Fileree Flat	Botanical - montane meadow (including Cuyamaca meadowfoam), pebble plain	440
Pine Mountain	Botanical - desert riparian communities	273

Table-341-Los Padres National Forest Candidate Special Interest Areas

Name	Values	Acres
Bear Ponds	Botanical - montane vernal pool in PY type, adjacent areas contain flax-loke monardella and pine-green gentian	197
Camatta	Botanical - Camatta Canyon amole and dwarf calycadenia	55
Milpitas	Cultural	9,933
Mono Basin	Botanical, Zoological - riparian ecosystem with arroyo toad, red-legged frog, least Bell's vireo, willow flycatcher	3,078
Spring Lake	Botanical - rare example of montane pond containing wetland herbs and willow thickets	31

Table-342-San Bernardino National Forest Candidate Special Interest Areas

Name	Values	Acres
Arrastre Creek	Botanical, Zoological - Hepatic tanager, calliope hummingbird, grey flycatcher, Lewis' woodpecker, deer, vegetation transition zone	742
Bear Creek	Botanical, Scenic, Zoological - Wild trout, bigcone Douglas fir, alder, canyon live oak, very scenic	2,523
Cactus Flat	Botanical - Joshua trees	4,215
Cajon Pass	Cultural, Geological, Zoological - Fault escarpments, Lost Lake sag pond, native fish, riparian T&E (LBV, WIFL), historic peregrine nest, raptors, deer, 3,000 yr-old food-gathering archeological site	359
Children's Forest	Recreational and Scenic - working forest offering high quality youth development and conservation education programs; visitor center, trail, Keller Peak Fire Lookout, Snow Valley Ski Area, scenic views	3,395
Coxey Creek	Scenic, Zoological - key fawning area, scenic vistas	3,047
Deep Creek	Cultural, Scenic, Zoological - Wild trout, nesting golden eagle, rubber boa, spotted owl, flying squirrel, deer, bear, mtn lion, many arch sites, scenic vistas	3,772
Fish Creek Meadows	Botanical, Zoological - aspen, meadow	718
Garner Valley	Botanical, Historical, Zoological - Key deer habitat and fawning area, mtn lion, bobcat, golden eagle, raptors, black-shouldered kite, pinyon jay, Arabis johnstonii, Echinocereus engelmannii, Layia ziegleri, Pinus quadrifolia, Quercus palmeri	2,464

Table-343-Angeles National Forest - Inventoried Roadless Areas evaluated

Inventoried Roadless Area	Recommended by Public	Acres	Capability	Availability	Need
Arroyo Seco		4,674	Moderate	Low	Low
Cucamonga A	Yes	1,221	High	High	Moderate
Fish Canyon		29,872	Moderate	Moderate	Moderate
Magic Mountain	Yes	15,517	Low	Low	Low
Pleasant View	Yes	26,332	High	Moderate	Low
Red Mountain	Yes	8,030	Moderate	Moderate	Low
Salt Creek	Yes	11,004	Moderate	Moderate	Low
San Dimas		7,149	Low	Low	Low
San Gabriel Add		2,506	Low	High	Low
Sespe-Frazier*		4,200	Moderate	Moderate	Moderate
Sheep Mountain	Yes	1,441	Low	Moderate	Low
Sheep Mountain	Yes	613	Low	Moderate	Low
Sheep Mountain		18	High	High	Low
Sheep Mountain	Yes	16,240	High	High	Moderate
Sheep Mountain		2,641	Low	Moderate	Low
Strawberry Peak	Yes	7,193	Low	Low	Low
Tule	Yes	9,855	Low	Low	Low
West Fork	Yes	1,156	High	High	Low
Westfork	Yes	4,385	High	High	Low

**Note: A recent adjustment to the administrative boundary has been made within the GIS system. The official IRA acres for the ANF Sespe-Frazier were calculated before the adjustment, and the official Recommeded Wilderness acres for the ANF Sespe-Frazier were calculated after the adjustment; hence the discrepancy of 21 official acres.*

Table-344-Angeles National Forest - Publicly proposed other undeveloped areas evaluated

Other Undeveloped Area	Recommended By Public	Acres Alt. 6	Capability	Availability	Need
Condor Peak	Yes	13,803	Low	Low	Low
Pleasant View - Non IRA	Yes	**2,427	Moderate	Moderate	Low
Santa Clarita Canyons	Yes	3,661	Low	Low	Moderate
Silver Mountain (West Fork)	Yes	**8,285	Moderate	Moderate	Moderate

*** Value averaged across alternatives*

Table-345-Cleveland National Forest - Inventoried Roadless Areas Evaluated

Inventoried Roadless Area	Recommended by Public	Acres	Capability	Availability	Need
Barker Valley	Yes	11,912	Moderate	Moderate	Moderate
Caliente	Yes	5,910	High	High	Moderate
Coldwater	Yes	8,370	Low	Low	Low
Cutca Valley	Yes	8,619	High	Moderate	Low
Cutca Valley	Yes	5,891	Moderate	Low	Low
Eagle Peak	Yes	6,460	Moderate	Moderate	Moderate
Ladd	Yes	5,287	Low	Low	Low
No Name	Yes	4,887	Low	Moderate	Low
Pine Creek		485	High	High	High
San Mateo Canyon		65	Low	Low	Low
Sill Hill	Yes	5,279	Moderate	Low	Low
Trabuco		23,320	High	Moderate	Moderate
Wildhorse/Morrell (except Sections 21/22)	Yes	965	Low	Low	Low
Wildhorse/Morrell (Sections 21/22)	Yes	515	Low	Low	Low

Table 346 - Cleveland National Forest - Publicly Proposed Other Undeveloped Areas Evaluated

Other Undeveloped Area	Recommended By Public	Acres	Capability	Availability	Need
Cedar Creek	Yes	**2,800	Low	Low	Moderate
Hauser Mountain	Yes	1,274	High	Moderate	Moderate
Hauser South (expansion)	Yes	**3,600	High	Moderate	Moderate
Sitton Peak	Yes	1,029	Low	Low	Low
Sitton Peak Addition	Yes	1,206	Low	Low	Low
Upper San Diego River	Yes	1,028	High	Moderate	Moderate
Upper San Diego River Gorge	Yes	**4,905	High	Moderate	Moderate

*** Value averaged across alternatives*

Table-347-Los Padres National Forest - Inventoried Roadless Areas Evaluated

Los Padres National Forest - Inventoried Roadless Areas Evaluated					
Inventoried Roadless Area	Recommended by Public	Acres	Capability	Availability	Need
Antimony	Yes	40,513	Low	Low	Low
Bear Canyon		*1,946	Low	Low	Low
Bear Mountain		1,045	Low	Low	Low
Big Rocks		11,841	Low	Low	Low
Black Butte	Yes	*5,172	Low	Low	Low
Black Mountain	Yes	16,830	Low	Low	Low
Camuesa		8,191	Low	Low	Low
Chalk Peak		*1,442	Low	Low	Low
Condor Point	Yes	14,868	Low	Low	Low
Cuyama	Yes	19,534	Low	Low	Low
De La Guerra		5,417	Low	Low	Low
Diablo	Yes	9,407	Moderate	Low	Low
Diablo	Yes	10,195	Low	Low	Low
Dry Lakes	Yes	7,576	Moderate	Moderate	Low
Dry Lakes	Yes	9,463	Low	Low	Low
Fox Mountain	Yes	11,174	Moderate	Low	Low
Fox Mountain	Yes	40,908	Low	Low	Low
Garcia Mountain	Yes	2,467	Moderate	Moderate	Low
Garcia Mountain	Yes	5,381	Low	Low	Low
Horseshoe Springs		14,097	Low	Low	Low
Juncal	Yes	12,280	Low	Low	Low
La Brea	Yes	5,521	Moderate	Low	Low
La Brea		8,453	Low	Low	Low
La Panza		4,958	Low	Low	Low
Little Pine	Yes	1,290	Low	Low	Low
Los Machos Hills		10,984	Low	Low	Low
Machesna Mountain (includes part of Los Pelados)	Yes	4,883	Moderate	Moderate	Low
Machesna Mountain	Yes	7,362	Low	Low	Low
Madulce Buckhorn	Yes	7,961	High	Moderate	Low
Madulce Buckhorn	Yes	6,221	Moderate	Moderate	Low
Manzana	Yes	138	Low	Low	Low
Matilija	Yes	3,175	Moderate	Moderate	Low
Matilija	Yes	1,740	Low	Low	Low
Miranda Pine		13,308	Low	Low	Low
Mono	Yes	16,236	High	High	Mod
Mono	Yes	11,796	Moderate	Moderate	Moderate
Nordhoff		12,024	Low	Low	Low
Quatal		7,248	Low	Low	Low

Los Padres National Forest - Inventoried Roadless Areas Evaluated					
Inventoried Roadless Area	Recommended by Public	Acres	Capability	Availability	Need
Santa Cruz	Yes	14,501	Moderate	Moderate	Low
Santa Cruz	Yes	6,620	Moderate	Low	Low
Sawmill-Badlands	Yes	1,514	Moderate	Low	Low
Sawmill-Badlands (includes Chumash Additions NW and SW, and Badlands Apache)	Yes	49,537	Moderate	Moderate	Low
Sespe-Frazier (includes Fishbowls PWA**, Thorn PWA and Stone House PWA)	Yes	14,810	Moderate	Moderate	Low
Sespe-Frazier (includes Sheep Creek)	Yes	59,242	Low	Low	Low
Sespe-Frazier (includes part of Chorro Grande)	Yes	12,893	Low	Moderate	Low
Sespe-Frazier (includes part of Beaver)	Yes	23,944	Low	Low	Low
Spoor Canyon	Yes	13,752	Low	Low	Low
Stanley Mountain		14,267	Low	Low	Low
Tepusquet Peak		5,823	Low	Low	Low
Tequepis		9,086	Low	Low	Low
White Ledge	Yes	18,607	Moderate	Low	Low

** Acres are an estimate; Final acreages will be determined when Big Sur Wilderness Area boundaries are finalized.*
***PWA = "Proposed Wilderness Area"*

Table-348-Los Padres National Forest - Publicly Proposed Other Undeveloped Areas Evaluated

Other Undeveloped Area	Recommended By Public	Acres	Capability	Availability	Need
Bear	Yes	1,958	Moderate	Moderate	Low
Beaver	Yes	1,277	Low	Low	Low
Chorro Grande	Yes	1,060	Low	Moderate	Low
Machesna Mountain (Los Pelados)	Yes	2,803	Low	Low	Low

Table-349-San Bernardino National Forest - Inventoried Roadless Areas Evaluated

Inventoried Roadless Area	Recommended by Public	Acres	Capability	Availability	Need
Cactus Springs A		21	Low	Low	Low
Cactus Springs B		3,101	Low	Low	Low
Cahuilla Mountain	Yes	6,945	Moderate	Low	Low
Cajon		7,461	Low	Low	Low
Circle Mountain		6,092	Low	Low	Low
City Creek	Yes	9,986	Low	Low	Low
Crystal Creek		6,771	Low	Low	Low
Cucamonga B	Yes	11,918	Moderate	High	Moderate
Cucamonga C	Yes	4,084	Low	Moderate	Low
Deep Creek		23,847	Moderate	Moderate	Low
Granite Peak		447	Low	Low	Low
Heartbreak Ridge		4,450	Moderate	Low	Low
Hixon Flat		8,086	Low	Low	Low

Inventoried Roadless Area	Recommended by Public	Acres	Capability	Availability	Need
Horse Creek Ridge	Yes	8,959	Moderate	Low	Low
Mill Peak		7,876	Low	Low	Low
Pyramid Peak A	Yes	14,138	Moderate	Moderate	Low
Pyramid Peak B	Yes	7,187	Low	Low	Low
Raywood Flat A	Yes	530	Low	Low	Low
Raywood Flat B	Yes	7,547	Moderate	Moderate	High
Raywood Flat B	Yes	3,312	Low	Moderate	Moderate
Rouse Hill		13,733	Low	Low	Low
San Sevaine		6,854	Low	Low	Low
Sugarloaf	Yes	8,196	Moderate	Moderate	High

Table-350-San Bernardino National Forest - Publicly Proposed Undeveloped Areas Evaluated

Other Undeveloped Area	Recommeded by Public	Acres	Capability	Availability	Need
Sheep Mountain	Yes	5,197	Moderate	High	Moderate

Table-351-Angeles National Forest Recommended Wilderness By Alternative

Name	Alt 1	Acres	Alt 2	Acres	Alt 3	Acres	Alt 4	Acres	Alt 5	Acres	Alt 6	Acres
Arroyo Seco	No	0	No	4,502	Yes	4,502	No	0	No	0	No	0
Condor Peak	No	0	No	0	No	0	No	0	No	0	Yes	13,803
Cucamonga A	No	0	Yes	1,221	Yes	1,221	No	0	No	0	No	0
Fish Canyon	No	0	Yes	29,872	Yes	29,872	No	0	No	0	Yes	30,942
Magic Mountain	No	0	No	14,947	Yes	14,947	No	0	No	0	Yes	13,794
Pleasant View	No	0	Yes	26,332	Yes	26,332	No	0	No	0	Yes	27,616
Red Mountain	No	0	No	0	No	0	No	0	No	0	Yes	7,990
Santa Clarita Canyons	No	0	No	0	No	0	No	0	No	0	Yes	3,661
Salt Creek (north)	No	0	No	5,445	Yes	5,445	No	0	No	0	Yes	5,420
Salt Creek (south)	No	0	Yes	5,653	Yes	5,653	No	0	No	0	Yes	5,593
Salt Creek / Fish Canyon	No	0	No	0	No	0	No	0	No	0	Yes	2,159
San Dimas	No	0	Yes	1,285	Yes	1,285	No	0	No	0	No	0
San Gabriel Add	No	0	No	2,506	Yes	2,506	No	0	No	0	No	0
Sespe-Frazier*	No	0	Yes	4,221	Yes	4,221	No	0	No	0	No	0
Sheep Mountain	No	0	No	1,397	Yes	1,397	No	0	No	0	No	0
Sheep Mountain addition	No	0	Yes	12,321	Yes	10,251	Yes	12,321	No	0	Yes	10,841
Strawberry Peak	No	0	No	0	No	0	No	0	No	0	No	0
Tule	No	0	No	0	No	0	No	0	No	0	Yes	9,871
West Fork	No	0	No	0	No	0	No	0	No	0	Yes	13,171

**Note: A recent adjustment to the administrative boundary has been made within the GIS system. The official IRA acres for the ANF Sespe-Frazier were calculated before the adjustment, and the official Recommeded Wilderness acres for the ANF Sespe-Frazier were calculated after the adjustment; hence the discrepancy of 21 official acres.*

Table-352-Cleveland National Forest Recommended Wilderness by Alternative

Name	Alt 1	Acres	Alt 2	Acres	Alt 3	Acres	Alt 4	Acres	Alt 5	Acres	Alt 6	Acres
Barker Valley	No	0	No	0	Yes	10,414	No	0	No	0	Yes	10,566
Caliente	No	0	No	0	Yes	5,851	No	0	No	0	Yes	6,018
Cedar Creek	No	0	No	0	Yes	2,790	No	0	No	0	Yes	2,934
Coldwater	No	0	No	0	Yes	8,045	No	0	No	0	Yes	6,738
Cutca Valley	No	0	Yes	8,619	Yes	8,619	No	0	No	0	Yes	10,668
Eagle Peak	No	0	No	0	Yes	6,438	No	0	No	0	Yes	6,077
Hauser Mountain	No	0	No	0	No	0	No	0	No	0	Yes	1,274
Ladd	No	0	No	0	No	0	No	0	No	0	Yes	4,925
No Name	No	0	No	0	No	0	No	0	No	0	Yes	4,607
Pine Creek	No	0	Yes	485	Yes	485	Yes	485	No	0	No	0
San Mateo Canyon	No	0	No	0	No	0	No	0	No	0	No	0
Sill Hill	No	0	No	0	Yes	5,290	No	0	No	0	Yes	4,974
Sitton Peak	No	0	Yes	1,029	Yes	1,029	No	0	No	0	No	0
Sitton Peak addition	No	0	No	0	Yes	1,206	No	0	No	0	No	0
South Hauser Mtn.	No	0	No	0	Yes	3,620	No	0	No	0	Yes	3,591
Trabuco	No	0	No	0	Yes	21,771	No	0	No	0	No	0
Upper San Diego River	No	0	Yes	1,028	Yes	1,028	No	0	No	0	No	0
Upper San Diego River (SD River Gorge)	No	0	Yes	4,738	Yes	4,738	No	0	No	0	Yes	5,071
Wildhorse (Morrell Canyon)	No	0	Yes	515	Yes	515	No	0	No	0	Yes	515

Table-353-Cleveland National Forest Recommended Wilderness by Alternative

Name	Alt 1	Acres	Alt 2	Acres	Alt 3	Acres	Alt 4	Acres	Alt 5	Acres	Alt 6	Acres
Barker Valley	No	0	No	0	Yes	10,414	No	0	No	0	Yes	10,566
Caliente	No	0	No	0	Yes	5,851	No	0	No	0	Yes	6,018
Cedar Creek	No	0	No	0	Yes	2,790	No	0	No	0	Yes	2,934
Coldwater	No	0	No	0	Yes	8,045	No	0	No	0	Yes	6,738
Cutca Valley	No	0	Yes	8,619	Yes	8,619	No	0	No	0	Yes	10,668
Eagle Peak	No	0	No	0	Yes	6,438	No	0	No	0	Yes	6,077
Hauser Mountain	No	0	No	0	No	0	No	0	No	0	Yes	1,274
Ladd	No	0	No	0	No	0	No	0	No	0	Yes	4,925
No Name	No	0	No	0	No	0	No	0	No	0	Yes	4,607
Pine Creek	No	0	Yes	485	Yes	485	Yes	485	No	0	No	0
San Mateo Canyon	No	0	No	0	No	0	No	0	No	0	No	0
Sill Hill	No	0	No	0	Yes	5,290	No	0	No	0	Yes	4,974
Sitton Peak	No	0	Yes	1,029	Yes	1,029	No	0	No	0	No	0
Sitton Peak addition	No	0	No	0	Yes	1,206	No	0	No	0	No	0
South Hauser Mtn.	No	0	No	0	Yes	3,620	No	0	No	0	Yes	3,591
Trabuco	No	0	No	0	Yes	21,771	No	0	No	0	No	0
Upper San Diego River	No	0	Yes	1,028	Yes	1,028	No	0	No	0	No	0
Upper San Diego River (SD River Gorge)	No	0	Yes	4,738	Yes	4,738	No	0	No	0	Yes	5,071
Wildhorse (Morrell Canyon)	No	0	Yes	515	Yes	515	No	0	No	0	Yes	515

Table-354-San Bernardino National Forest Recommended Wilderness by Alternative

Name	Alt 1	Acres	Alt 2	Acres	Alt 3	Acres	Alt 4	Acres	Alt 5	Acres	Alt 6	Acres
Cactus Springs A	No	0	No	0	Yes	21	No	0	No	0	No	0
Cactus Springs B	No	0	No	0	Yes	2,614	No	0	No	0	No	0
Cahuilla Mountain	No	0	No	0	Yes	6,945	No	0	No	0	Yes	6,661
Cajon	No	0	No	0	Yes	6,885	No	0	No	0	No	0
Circle Mountain	No	0	No	0	Yes	5,716	No	0	No	0	No	0
City Creek	No	0	No	0	No	0	No	0	No	0	No	0
Crystal Creek	No	0	No	0	Yes	6,708	No	0	No	0	No	0
Cucamonga (B) Expansion	No	0	Yes	7,925	Yes	7,925	Yes	7,925	No	0	Yes	7,887
Cucamonga C	No	0	No	0	No	0	No	0	No	0	No	0
Deep Creek	No	0	No	0	Yes	21,124	No	0	No	0	No	0
Granite Peak	No	0	No	0	Yes	447	No	0	No	0	No	0
Heartbreak Ridge	No	0	No	0	Yes	3,964	No	0	No	0	No	0
Hixon Flat	No	0	No	0	Yes	6,828	No	0	No	0	No	0
Horse Creek Ridge	No	0	No	0	Yes	736	No	0	No	0	Yes	8,882
Horse Creek Ridge (South Fork)	No	0	No	0	Yes	7,240	No	0	No	0	No	0
Mill Peak	No	0	No	0	Yes	7,567	No	0	No	0	No	0
Pyramid Peak A	No	0	No	0	No	0	No	0	No	0	No	0
Pyramid Peak B	No	0	No	0	Yes	7,361	No	0	No	0	No	0
Pyramid Peak B (San Jacinto)	No	0	No	0	Yes	15,617	No	0	No	0	Yes	15,686
Raywood Flat A	No	0	No	0	Yes	530	No	0	No	0	No	0
Raywood Flat B	No	0	No	0	Yes	3,113	No	0	No	0		8
Rouse Hill	No	0	No	0	Yes	10,409	No	0	No	0	No	0
San Gorgonio Expansion (Raywood Flat B)	No	0	Yes	4,541	Yes	4,541	Yes	4,541	No	0	Yes	4,323
San Sevaine	No	0	No	0	No	0	No	0	No	0	No	0
Sheep Mountain (SBNF)	No	0	No	0	No	0	No	0	No	0	Yes	5,196
Sugarloaf	No	0	Yes	6,457	Yes	9,048	Yes	9,048	No	0	Yes	9,240
Total Acres	-	0	-	207,402	-	471,369	-	80,511	-	0	-	581,848

Table-355-Candidate Wild and Scenic Rivers - Angeles National Forest

Name	Total Study Miles	Total Eligible Miles	Potential Wild Class Miles	Potential Scenic Class Miles	Potential Recreational Class Miles
Little Rock Creek	18.4	18.4		18.4	
San Francisquito Creek	13.0	13.0			13.0
San Antonio Creek	7.6	3.6			3.6
San Gabriel River	35.9	19.9	8.4		11.5
Total	74.9	54.9	8.4	18.4	28.1

Table-356-Candidate Wild and Scenic Rivers - Cleveland National Forest

Name	Total Study Miles	Total Eligible Miles	Potential Wild Class Miles	Potential Scenic Class Miles	Potential Recreational Class Miles
Cottonwood Creek	26.0	11.9			11.9
San Luis Rey River	14.1	3.4			3.4
San Mateo Creek and Devil Canyon	15.3	15.3	15.3		
Totals	55.4	30.6	15.3	0.0	15.3

Table-357-Candidate Wild and Scenic Rivers - Los Padres National Forest

Name	Total Study Miles	Total Eligible Miles	Potential Wild Class Miles	Potential Scenic Class Miles	Potential Recreational Class Miles
Arroyo Seco River	18.4	18.4	2.5	10.5	5.4
Little Sur River	24.8	8.2	4.9		3.3
San Antonio Creek	8.6	8.6	7.6	1.0	
Piru Creek	57.3	38.5	10.5	28.0	
Upper Sespe Creek	21.3	11.5		2.0	9.5
Indian Creek	14.7	14.7	14.7		
Mono Creek	24.2	24.2	4.5	19.7	
Totals	169.3	124.1	44.7	61.2	18.2

Table-358-Candidate Wild and Scenic Rivers - San Bernardino National Forest

Name	Total Study Miles	Total Eligible Miles	Potential Wild Class Miles	Potential Scenic Class Miles	Potential Recreational Class Miles
Lytle Creek	23.6	2.4		2.4	
Whitewater River	26.1	25.6	25.6		
Bear Creek	9.3	8.9		8.9	
Deep Creek	21.4	19.7	9.0	10.7	
Fish Creek	5.2	3.6	3.6		
Holcomb Creek	15.1	15.1	5.8		9.3
Santa Ana River	30.6	19.8	2.4	3.5	13.9
Siberia Creek	3.0	3.0		3.0	
Bautista Creek	13.4	13.4			13.4
Fuller Mill Creek	3.4	3.4			3.4
Palm Creek	13.1	8.1	8.1		
San Jacinto River	12.6	11.4	2.3		9.1
Totals	176.8	134.4	56.8	28.5	49.1

Table-359-Acres Managed For Motorized Uses As Defined By Land Use Zone

Forest	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5	Alt. 6
Angeles	443,202	402,467	273,642	399,444	564,189	217,772
Cleveland	260,097	234,473	163,721	235,093	345,263	101,795
Los Padres	759,404	766,855	348,030	776,652	920,703	182,600
San Bernardino	394,735	376,199	278,033	409,223	535,390	200,949
TOTAL	1,857,438	1,779,994	1,063,426	1,821,412	2,365,545	703,116
Percent of NFS land in BCM, DAI, RIM, and EF	53%	51%	30%	52%	70%	20%

Table-360-Plant Species Evaluated for Viability Concerns List (Species of Concern)

Plant Species Evaluated for Viability Concerns List (Species of Concern)								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	CNPS List	R-E-D	G	S	Hab Grp	FS Threat Cat
Abies bracteata	L/NSL	W	1B	3-1-3	G2	2.3	5	4
Abronia nana ssp. covillei	S/SB	S	4	1-2-1	G1	1.1	10	4
Abronia villosa var. aurita	S/pSD, pSA, SJ, pSB	W	1B	2-2-3	G5T3	3.1	3	4
Acanthomintha ilicifolia	C/SD	FT/CE	1B	2-3-2	G1	1.1	9	5
Agrostis hooveri	L/SSL	W	1B	2-3-3	G3	2.2	3	4
Allium hickmanii	L/NSL	W	1B	2-3-2	G2	2.2	19	5
Allium howellii var. clokeyi	L/CAS, SLP	W	1B	2-1-3	G3T3	2.3	8	3
Allium marvinii	pS/SB	W	1B	3-3-3	G1	1.1	3	2
Allium munzii	C/SA	FE/CT	1B	3-3-3	G1	1.1	9	5
Allium parishii	S/SA, SB	W	4	1-1-2	G3	3.3	10	4
Androsace elongata ssp. acuta	C, S, L/SD, SJ, SB, SLP	W	4	1-2-2	G?T3?	3.2	16	5
Antennaria marginata	C, S/SB	W	2	3-1-1	G4?	1.3	11	4
Arabis breweri var. pecuniaria	S/SJ, SG	S	1B	3-2-3	G4?T1	1.2	7	4
Arabis dispar	S/SB	W	2	2-1-1	G3	2.3	8	5
Arabis johnstonii	S/SJ	S	1B	3-2-3	G2	2.2	3.2	5
Arabis parishii	S/SB	S	1B	2-2-3	G2	2.1	11	5
Arabis shockleyi	S/SB	S	2	3-2-1	G3	2.2	10	4
Arctostaphylos cruzensis	L/NSL	S	1B	2-2-3	G2	2.2	6	5
Arctostaphylos edmundsii	L/NSL	S/CR	1B	3-2-3	G2	2.2	6	4
Arctostaphylos hooveri	L/SLP, SSL	W	4	1-1-3	G3	3.3?	3.2	3
Arctostaphylos luciana	A, L/SSL	S	1B	2-2-3	G2	2.2	3.2	4
Arctostaphylos obispoensis	L/SLP, SSL	W	4	1-1-3	G3	3?	3.2	3
Arctostaphylos otayensis	pC/SD	W	1B	3-2-3	G2	2.1	9	2
Arctostaphylos peninsularis ssp. peninsularis	pC/SD, SJ	S	2	3-1-1	G2T2	2?	3.2	2
Arctostaphylos pilosula	L/SSL	S	1B	3-2-3	G2	2.2	3.2	4
Arctostaphylos rainbowensis	C/SD	S	1B	3-3-3	G2	2.1	3.2	4

Plant Species Evaluated for Viability Concerns List (Species of Concern)								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	CNPS List	R-E-D	G	S	Hab Grp	FS Threat Cat
Arctostaphylos refugioensis	L/SLP	S	1B	2-2-3	G2	2?	3.2	4
Arenaria lanuginosa ssp. saxosa	S/SB	W	2	3-1-1	G5T5	1.3	7	5
Arenaria macradenia var. kuschei	A/SA	S	1B	3-3-3	G5?T2?	1.1	3.2	4
Arenaria paludicola	pS/SB	FE/CE	1B	3-3-2	G1	1.1	1.1	2
Arenaria ursina	S/SB	FT	1B	2-2-3	G2	2.1	11	5
Artemisia palmeri	/SD	W	4	1-2-1	G3	3.2	1.1	1
Aster greatae	pS, A/SG	W	1B	2-1-3	G2	2.3	3.2	4
Astragalus albens	S/SB	FE	1B	3-3-3	G1	1.1	10	5
Astragalus bicristatus	S, pA/SJ, SB, SG	S	4	1-1-3	G3	3.3	5	4
Astragalus brauntonii	pC, pA/SA, SG, SLP	FE	1B	3-3-3	G2	2.1	3	2
Astragalus deanei	C/SD	S	1B	3-3-3	G2	2.1	1.1	4
Astragalus douglasii var. perstrictus	C/SD	S	1B	2-2-2	G5T2	2.2	2	4
Astragalus lentiginosus var. antonius	pS, A/SG	S	1B	3-1-3	G5T1	1?	5	4
Astragalus lentiginosus var. coachellae	pS/SJ	FE	1B	2-2-3	G5T2	2.1	18	2
Astragalus lentiginosus var. sierrae	S/SB	S	1B	2-2-3	G5T1	1?	8	5
Astragalus leucolobus	pC, S, A, pL/SJ, SB, SG	n/a	1B	2-2-3	G2	2.2	8	3
Astragalus oocarpus	C/SD	S	1B	3-2-3	G2	2.2	3.2	5
Astragalus pachypus var. jaegeri	C, pS/SD, SJ	S	1B	3-3-3	G?T1	1.1	3	5
Astragalus tricarinatus	pS/SJ	FE	1B	3-2-3	G1	1.2	18	2
Atriplex parishii	pS/SJ, SB	S	1B	3-3-2	G1G2	1.1	17	2
Baccharis plummerae ssp. glabrata	pL/NSL	W	1B	3-2-3	G3T1	1.2	3	2
Baccharis vanessae	C/SD	FT/CE	1B	2-3-3	G1	1.1	3	4
Berberis nevinii	C/SD, pSA, pS, A/SB, SG	FE/CE	1B	3-3-3	G2	2.2	3	5
Bloomeria humilis	pL/NSL	W	1B	3-2-3	G1	1.1	3	2
Botrychium crenulatum	S, pA/SB	S	2	2-2-1	G3	2.2	13	5
Boykinia rotundifolia	pC, S, A, pL/SD, SA, SJ, SB, SG, SLP	W			-	-	1	4
Brodiaea filifolia	pC, pS, pA/SD, SJ, SB	FT/CE	1B	3-3-3	G2	2.1	9	2
Brodiaea orcuttii	C/SD, SA, SJ, SB	S	1B	1-3-2	G3	3.1	9	4

Plant Species Evaluated for Viability Concerns List (Species of Concern)								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	CNPS List	R-E-D	G	S	Hab Grp	FS Threat Cat
Calochortus clavatus var. gracilis	A/SG	W	1B	3-2-3	G4T1	1.1?	3.2	4
Calochortus dunnii	C/SD	S/CR	1B	2-2-3	G2	2.1	9	5
Calochortus obispoensis	L/SLP, NSL	S	1B	2-2-3	G2	2.2	12	5
Calochortus palmeri var. munzii	S/SJ	S	1B	3-2-3	G2T1	1.2	13	5
Calochortus palmeri var. palmeri	S, A, L/SJ, SB, SG, CAS, SLP	S	1B	2-2-3	G2T2	2.1	13	5
Calochortus plummerae	S, A, pL/SA, SJ, SB, SG	S	1B	2-2-3	G3	3.2	3.2	4
Calochortus simulans	pL/SLP, SSL	W	1B	2-1-3	G3	2.3	16	2
Calochortus striatus	pS, pA/SB	S	1B	2-2-2	G2	2.2	18	2
Calochortus weedii var. intermedius	C/SD, SA	S	1B	2-2-3	G3T2	2.2	3.1	4
Calochortus weedii var. vestus	L/SLP, NSL	S	1B	2-2-3	G3T2	2.2	3	3
Calycadenia villosa	L/NSL	S	1B	2-3-3	G2	2.1	19	4
Calyptridium pygmaeum	S/SB	W	n/a	-	-	-	5	4
Calystegia peirsonii	A/SG	W	4	1-2-3	G3	3.2	16	4
Calystegia subacaulis ssp. episcopalis	pL/SSL	W	1B	3-2-3	G3T1	1.2	3	2
Camissonia hardhamiae	L/SLP, SSL	W	1B	3-2-3	G1Q	1.2	3	5
Canbya candida	pS, A/SB	S	4	1-2-3	G3	3.2	8	5
Carex obispoensis	L/SLP, NSL	S	1B	2-2-3	G2	2.2	16	5
Carlquistia [Raillardiopsis] muirri	L/NSL	S	1B	2-1-3	G2	2.3	21	4
Castilleja cinerea	S/SB	FT	1B	2-2-3	G2	2.2	11	5
Castilleja gleasonii	A/SG	S/CR	1B	3-2-3	G2Q	2.2	5	4
Castilleja lasiorhyncha	pC, S/SB	S	1B	2-2-3	G2	2.2	13	5
Castilleja montigena	S/SB	W	4	1-1-3	G3	3.3	5	4
Castilleja plagiotoma	S, A, pL/SA, SB	W	4	1-1-3	G3	3.3	11	5
Caulanthus amplexicaulis var. barbarae	L/SLP	S	1B	3-1-3	G3?T1	1.2	12	5
Caulanthus californicus	/pSLP	FE/CE	1B	3-3-3	G1	1.1	8	1
Caulanthus coulteri var. lemmonii	L/SLP, SSL, NSL	W	1B	2-2-3	G4T2	2.2	16	5
Caulanthus simulans	C, S/SD	S	4	1-2-3	G3	3.2	8	4
Ceanothus cyaneus	C/SD	S	1B	3-2-2	G2	2.2	3.2	4

Plant Species Evaluated for Viability Concerns List (Species of Concern)								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	CNPS List	R-E-D	G	S	Hab Grp	FS Threat Cat
Ceanothus ophiochilus	C/SB	FT/CE	1B	3-3-3	G1	1.1	3.2	4
Centromadia [Hemizonia] pungens ssp. laevis	pC/SD, SA, SB	W	1B	2-2-3	G5T2	2.1	17	2
Chaenactis parishii	C, S/SD, SJ, SB	W	1B	2-1-2	G3	2.3	3.2	4
Chlorogalum pomeridianum var. minus	L/SLP	W	1B	2-2-3	G5T1	1.2	12	3
Chlorogalum purpureum var. reductum	L/SSL	FT/CR	1B	3-3-3	G1T1	1.1	12	5
Chorizanthe blakleyi	L/SLP	S	1B	2-1-3	G3	2.3	3.2	5
Chorizanthe breweri	L/SLP, NSL	S	1B	3-1-3	G2	2.2	12	4
Chorizanthe parryi var. parryi	S/SA, SB	S	3	?-2-3	G2T2?	2.1	17	4
Chorizanthe parryi var.fernandina	pSLP	FC/CE	1B	3-3-3	G2T1	S1.1	17	1
Chorizanthe polygonoides var. longispina	C, S/SD, SB	S	1B	2-2-2	G5T3	2.2	3.2	4
Chorizanthe procumbens	C, pS, pA/SD, SB	W			-	-	9	3
Chorizanthe rectispina	L/SSL	S	1B	3-1-3	G1	1.2	3	4
Chorizanthe xanti var. leucotheca	S/SJ, SB, SG	W	1B	2-2-3	G4T3	S1S2.2	8	4
Cirsium loncholepis	/pSLP	FE/CT	1B	3-3-3	-	n/a	1.1	1
Clarkia delicata	C/SD	S	1B	2-2-2	G2	2.2	9	4
Clarkia jolonensis	L/NSL	W	1B	3-2-3	G2	2.2	3	5
Claytonia lanceolata var. peirsonii	S, A/SG	S	1B	3-3-3	G5T1Q	1.1	7	5
Cupressus forbesii	C/SD, SA	S	1B	3-3-2	G2	1.1	3.2	4
Cupressus sargentii	L/SLP, NSL	W			-	-	3.2	3
Cupressus stephensonii	C/SD	S	1B	3-3-3	G1	1.2	3.2	5
Deinadra [Hemizonia] floribunda	pC/SD	S	1B	2-2-2	G3	2.2	1.1	2
Deinadra [Hemizonia] mohavensis	C, S, pA/SD, SJ, SB	S/CE	1B	2-1-3	G2	2.3	1	4
Delphinium hesperium ssp. cuyamacae	C, S/SD, SJ	S/CR	1B	2-2-3	G4T2	2.1	13	4
Delphinium hutchinsoniae	L/NSL	S	1B	3-2-3	G2	2.1	6	5
Delphinium inopinum	/	S	4	1-1-3	G3	3.3	8	1
Delphinium parryi ssp. purpureum	L/SLP	W	4	1-1-3	G4T3	3.3	16	4
Delphinium umbraculorum	L/SLP, SSL, NSL	W	1B	2-1-3	G3	S2S3.3	2	3
Dodecahema leptoceras	C, S/SD, SJ, SB, SG	FE/CE	1B	3-3-3	G1	1.1	17	5

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Downingia concolor var. brevior	pC/SD	W/CE	1B	3-3-3	G4T1	1.1	13	2
Draba corrugata var. saxosa	S/SJ	W	1B	2-1-3	G2T2	2.3	7	4
Dudleya abramsii ssp. affinis	S/SB	S	1B	2-2-3	G3T2	2.2	8	5
Dudleya cymosa ssp. crebrifolia	A/SG	W	1B	3-2-3	G5T1	1.2	3.2	5
Dudleya cymosa ssp. ovatifolia	C, pA/SA	FT	1B	3-2-3	G5T2Q	2.2	3	4
Dudleya densiflora	A/SG	S	1B	3-3-3	G1	1.1	1.1	5
Dudleya multicaulis	C, A/SD, SA, SG	S	1B	1-2-3	G2	2.1	3.1	4
Dudleya viscida	C/SD	S	1B	2-2-3	G2	2.2	3.1	4
Eremalche [parryi ssp.] kernensis	/	FE	1B	2-3-3	n/a	n/a	2	1
Eriastrum densifolium ssp. sanctorum	S/SB	FE/CE	1B	3-3-3	G4T1	1.1	17	2
Eriastrum hooveri	L/SLP	S	4	1-2-3	G3	3.2	16	4
Eriastrum luteum	pL/SSL	W	1B	2-2-3	G2	2.2	2	2
Ericameria cuneata var. macrocephala	C/SD	W	1B	2-1-3	G5T2?	2.3	8	4
Ericameria palmeri ssp. palmeri	/SD	W	2	3-2-1	G4T2T3	1.1	1.1	1
Erigeron breweri var. jacinteus	S/SJ, SB, SG	W	4	1-1-3	G4G5T3	3.3	5	4
Erigeron parishii	S/SA, SB	FT	1B	2-3-3	G2	2.1	10	5
Erigeron uncialis var. uncialis	pS/SB	S	2	3-2-1	G?T3?	1	10	2
Eriogonum butterworthianum	L/NSL	S/CR	1B	3-1-3	G1	1.3	3.2	4
Eriogonum foliosum	pC, S/SD, SJ, SB	W	1B	3-2-2	G3	H	8	5
Eriogonum kennedyi var. alpigenum	S, pA, L/SB, SLP	S	1B	2-1-3	G4T2	2.3	7	4
Eriogonum kennedyi var. austromontanum	S/SB	FT	1B	2-2-3	G4T2	2.2	11	5
Eriogonum microthecum var. corymbosoides	S, pA/SB	W	n/a		-	-	10	4
Eriogonum microthecum var. johnstonii	S, A/SB, SG	S	1B	3-1-3	G5T1	1.2	7	4
Eriogonum ovalifolium var. vineum	S/SB	FE	1B	3-3-3	G5T1	1.1	10	5
Eriogonum umbellatum var. minus	S, A/SB, SG	W	4	1-1-3	G5T3	3.3	7	4
Eriophyllum lanatum var. hallii	L/SLP	S	1B	3-3-3	G5T1	1.1	19	4
Eriophyllum lanatum var. obovatum	S/SB	W	4	1-1-3	G5T3	3.3	5	4
Fritillaria falcata	L/NSL	S	1B	3-2-3	G2	2.2	12	4

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Fritillaria liliacea	pL/NSL	W	1B	2-2-3	G2	2.2	16	2
Fritillaria ojaiensis	L/SLP, SSL, NSL	S	1B	3-2-3	G1	1.2	16	4
Fritillaria viridea	L/NSL	S	1B	2-2-3	G3	3.2	12	4
Galium angustifolium ssp. gabrielense	pS, A/SG	W	4	1-1-3	G5T2	2.3	3.2	4
Galium angustifolium ssp. jacinticum	S/SJ	S	1B	3-1-3	G5T1	1.3	5	5
Galium californicum ssp. luciense	L/NSL	S	1B	3-1-3	G5T2	2.3	6	4
Galium californicum ssp. primum	S/SJ	S	1B	3-2-3	G5T1	1.1	5	5
Galium clementis	L/NSL	W	1B	2-1-3	G2	2.3	5	4
Galium grande	A/SG	S	1B	3-1-3	G1	1.2	4	4
Galium hardhamiae	L/NSL	S	1B	2-1-3	G2	2.3	12	4
Galium jepsonii	pS, A/SG	W	4	1-1-3	G3	3.3	5	4
Galium johnstonii	pC, S, A/SJ, SB, SG	W	4	1-1-3	G3	3.3	5	4
Gentiana fremontii	S/SB	W	2	3-1-1	G4	2.3	7	5
Geraea viscida	C/SD	W	2	2-1-1	G3	2.3?	8	4
Gilia leptantha ssp. leptantha	S/SB	W	1B	2-1-3	G4T2	2.3	5	4
Githopsis diffusa ssp. filicaulis	pC/SD, SB	S	3	?-3-3	G51Q	1.1	2	2
Grindelia hirsutula var. hallii	C/SD	W	1B	2-2-3	G5T2	2.1	13	4
Helianthus nuttallii ssp. *parishii*	pS, pA/SB	W	1A		G5TH	H	1.1	2
Heuchera abramsii	pS, A/SG	W	4	1-1-3	G3	3.3	7	4
Heuchera brevistaminea	C/SD	W	1B	3-1-3	G2	2.3	8	4
Heuchera elegans	S/SG	W	4	1-1-3	G3	3.3	5	4
Heuchera hirsutissima	S/SJ	S	1B	3-1-3	G2	2.3	7	4
Heuchera parishii	S/SJ, SB	S	1B	2-1-3	G2	2.3	5	4
Holocarpha virgata ssp. elongata	C/SD	W	4	1-2-3	G5T3	3.2	3.1	4
Horkelia cuneata ssp. puberula	pS, L/SLP, SSL	W	1B	2-3-3	G4T2	2.1	3	4
Horkelia cuneata ssp. sericea	pL/SLP, SSL, NSL	W	1B	3-3-3	G4T1	1.1	3	2
Horkelia truncata	C/SD	S	1B	3-1-2	G3	2.3	9	4
Horkelia wilderae	S/SB	S	1B	3-3-3	G1	1.1	5	4
Horkelia yadonii	L/SLP, NSL	W	4	1-2-3	G3	3.2	13	5

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Hulsea californica	C/SD	W	1B	2-1-3	G2	2.1	5	4
Hulsea vestita ssp. callicarpha	C, S/SD, SJ	W	4	1-2-3	G5T3	3.2	5	4
Hulsea vestita ssp. gabrielensis	pS, A/SG, SLP	W	4	1-1-3	G5T3	3.3	5	4
Hulsea vestita ssp. parryi	S/SB	W	4	1-1-3	G5T3	3.3	5	4
Hulsea vestita ssp. pygmaea	S/SB	W	1B	2-1-3	G5T2	2.3	7	4
Ivesia argyrocoma	S/SB	S	1B	2-2-2	G2	2.2	11	5
Ivesia callida	S/SJ	S	1B	3-1-3	G1	1.3	5	4
Juglans californica	S, A, L/SD, SA, SB, SG	W	4	1-2-3	G3	3.2	2	4
Juncus duranii	S/SJ, SB, SG	W	4	1-1-3	G3	3.3	13	5
Layia heterotricha	L/SLP	S	1B	3-3-3	G1	1.1	19	3
Layia jonesii	pL/SSL, NSL	W	1B	3-2-3	G4	1.1	3	2
Lepechinia cardiophylla	C/SD, SA	S	1B	3-2-3	G2	2.2	3.2	4
Lepechinia fragrans	pS, A/SG/SLP	W	4	1-2-3	G3	3.2	3.2	4
Lepechinia ganderi	C/SD, SA	W	1B	3-1-2	G2	2.2	16	4
Lepidium flavum var. felipense	/SD	W	1B	3-2-3	G5T1	1.2	8	1
Lepidium virginicum var. robinsonii	C/SD	W	1B	3-2-3	G5T2?	H	3.1	3
Leptodactylon jaegeri	S/SJ	S	1B	2-2-3	G2	2.2	7	4
Lesquerella kingii ssp. bernardina	S/SB	FE	1B	3-3-3	G5T1	1.1	10	5
Lessingia glandulifera var. tomentosa	pC/SD	S	1B	2-1-3	G4?T2	2.3	3.2	2
Lewisia brachycalyx	pC, S/SD, SB	W	2	2-2-1	G5	3.2	13	4
Lilium humboldtii ssp. ocellatum	C, S, A, L/SD, SA, SJ, SB, SG, CAS, SLP	W	4	1-2-3	G4T3	3.2	1	5
Lilium parryi	C, S, A/SJ, SB, SG	S	1B	2-2-3	G3	2.1	13	4
Limnanthes gracilis ssp. parishii	C/SD, SJ	S/CE	1B	2-2-3	G3T2	2.2	13	5
Linanthus concinnus	pS, A/SB	S	1B	3-2-3	G2	2?	5	5
Linanthus floribundus ssp. hallii	S/SJ	S	1B	3-1-3	G4T1	1.3	8	5
Linanthus killipii	S/SB	S	1B	2-2-3	G2	2.1	11	5
Linanthus orcuttii	C, pA/SD	S	1B	2-1-2	G4	2.3	5	4
Lonicera subspicata var. subspicata	pL/SLP	W	1B	2-2-3	G5T2	2.2	3	2

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Lupinus ludovicianus	L/SSL	S	1B	3-2-3	G2	2.2	19	5
Machaeranthera asteroides var. lagunensis	C, pS/SD	S/CR	2	3-3-1	G5T2T3	1.1	13	5
Machaeranthera canescens var. ziegleri	S/SJ	S	1B	3-2-3	G5T1	1.1	5	5
Malacothamnus aboriginum	C, pL/SD	W	1B	2-2-3	G3	3.2	3.2	1
Malacothamnus davidsonii	A, pL/SG, pSLP	W	1B	2-2-3	G1	1.1	3.1	4
Malacothamnus palmeri var. involucratus	pL/SSL	W	1B	2-2-3	G4T2Q	2.2	3	2
Malacothamnus palmeri var. lucianus	L/NSL	W	1B	3-2-3	G4T1Q	1.2	3.2	5
Malacothamnus palmeri var. palmeri	pL/SSL	W	1B	2-2-3	G4T2Q	2.2	3	2
Malacothrix saxatilis var. arachnoidea	L/NSL	S	1B	3-2-3	G5T2	2.2	3.2	4
Malaxis monophyllos ssp. brachypoda	S, pA/SJ, SB	S	2	3-3-1	G?T4	1.1	13	5
Marina orcuttii var. orcuttii	S/SJ	S	1B	3-1-2	G?T1T2	1.3	8	5
Matelea parvifolia	S/SJ, pSB	W	2	3-1-1	G5?	2.2	18	5
Microseris douglasii var. platycharpha	/SD	W	4	1-2-2	G4T3	3.2	19	4
Mimulus clevelandii	C/SD	W	4	1-2-2	G3G4	3.2	5	4
Mimulus diffusus	/SD	W	4	1-1-1	G4Q	3.3	3.2	3
Mimulus exiguus	S/SB	S	1B	2-2-2	G2	2.2	13	5
Mimulus purpureus	S/SB	S	1B	2-2-2	G2	2.2	11	5
Monardella cinerea	S, pA/SG	W	4	1-1-3	G3	3.3	5	4
Monardella hypoleuca ssp. lanata	C/SD	S	1B	2-2-2	G4T2	2.2	9	4
Monardella linoides ssp. oblonga	L/SLP	S	1B	3-1-3	G5T2	2.2	5	3
Monardella macrantha ssp. hallii	C, S, A/SD, SA, SJ, SB, SG	S	1B	2-1-3	G5T3	3.3	16	4
Monardella nana ssp. leptosiphon	C, S/SD, SJ	S	1B	3-2-2	G4G5T2	2.2	5	4
Monardella palmeri	L/SSL	W	1B	2-2-3	G3	2.2	3	4
Monardella viridis ssp. saxicola	C, S, A/SG	S	4	1-2-3	G3T3	3.2	3.2	4
Muhlenbergia californica	S, A/SJ, SB, SG	W	4	1-1-3	G3	3.3	1	4
Muilla coronata	S/SA, SB	W	4	1-2-2	G3Q	3.2?	8	4
Nasturtium [Rorippa] gambelii	pC, pS/SD, SB	FE			G1	1.1	1.1	2
Navarretia peninsularis	pC, S, pA, L/SD, SB, SLP	S	1B	2-2-2	G3?	2.2	13	4

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Nolina cismontana	C/SD, SA	S	1B	3-2-3	G1	1.1	3.1	4
Nolina interrata	/SD	W/CE	1B	3-3-2	G1	1.2	9	1
Opuntia basilaris var. brachyclada	pC, S, A/SD, SJ, SB	S	1B	3-2-3	G5T1	1.2	8	4
Oreonana vestita	S, A/SB, SG	W	1B	2-1-3	G3	3.3	7	4
Orobanche valida ssp. valida	A, L/SG, SLP	S	1B	3-2-3	G3T1	1.2	3.2	4
Oxytheca caryphylloides	S, pA, pL/SA, SB	W	4	1-1-3	G3	3.3	5	4
Oxytheca emarginata	S/SJ	S	1B	2-1-3	G2	2.3	3.2	5
Oxytheca parishii var. abramsii	L/SLP	S	1B	2-2-3	G4?T2	2.2	3.2	5
Oxytheca parishii var. cienegensis	S/SB	S	1B	3-1-3	G4?T1	1.3	5	4
Oxytheca parishii var. goodmaniana	S/SB	FE	1B	3-3-3	G4?T1	1.1	10	5
Oxytropis oreophila var. oreophila	S/SB	W	2	3-1-1	G4T4	2.3	7	4
Packera bernardina	S/SB	S	1B	2-2-3	-	-	13	5
Packera ganderi	C/SD	S/CR	1B	3-2-3	-	-	9	5
Packera ionophylla	S, A/SB, SG	W	4	1-1-3	-	-	5	4
Parnassia cirrata	S/SB, SG	W	1B	2-1-3	G2	2.3	5	5
Pedicularis dudleyi	L/SB, NSL	S/CR	1B	3-2-3	G2	2.2	12	4
Penstemon californicus	pC, S/SJ	S	1B	3-2-2	G3?	2.2	8	5
Pentachaeta exilis ssp. aeolica	L/SB, NSL	S	1B	3-2-3	G5T1	1.2	2	5
Perideridia gairdneri ssp. gairdneri	pC, pA, L/NSL	W	4	1-2-3	G5T3	3.2	6	3
Perideridia parishii ssp. parishii	S/SB	W	2	2-2-1	G4T3T4	2.2?	13	4
Phacelia exilis	S/SB	W	4	1-1-3	G3Q	3.3	5	5
Phacelia mohavensis	S/SB, SG	W	4	1-1-3	G3Q	3.3	8	5
Phacelia suaveolens ssp. keckii	C/SD, SA	S	1B	3-1-3	G4T1	1.3	3.2	4
Phlox dolichantha	S/SB	S	1B	2-2-3	G2	2.2	5	5
Pinus attenuata	S, L/SA, pSB, SSL, NSL	W			-	-	3.2	3
Piperia leptopetala	pA, C, pL, S/pCAS, pNSL, SB, SD	W	4	1-1-3	G3	3.3	5	5
Plagiobothrys uncinatus	L/SB, SLP	S	1B	2-2-3	G2	2.2	3.2	4
Poa atropurpurea	C, S/SD, SB	FE	1B	2-2-3	G2	2.2	13	5

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Podistera nevadensis	S/SB	W	4	1-1-3	G3	3.3	7	5
Polygala cornuta var. fishiae		W	2	2-1-1	G5T4	3.3	3.2	3
Populus tremuloides	S/SB	W			-	-	7	4
Potentilla rimicola	S/SJ	S	2	3-1-1	G2G4	1.3	7	4
Pyrrocoma uniflora var. gossypina	S/SB	S	1B	2-2-3	G5T2	2.2	13	5
Quercus dumosa	L/SD, SB, SLP	S	1B	2-3-2	G2	1.1	3	2
Quercus engelmannii	C, A/SD, SJ, SG	W	4	1-2-2	G3	3.2	2	4
Quercus lobata	L/SG, SLP, NSL	W			-	-	2	3
Ribes canthariforme	C, pS/SD	S	1B	3-1-3	G1	1.3	3.2	4
Romneya coulteri	/SD, SA	W	4	1-2-3	G3	3.2	3	4
Rupertia rigida	C, S/SD, SJ, SB	W	4	1-1-2	G1	1.2	7	4
Sanicula maritima	L/SSL, NSL	S/CR	1B	3-2-2	G2	2.2	12	5
Satureja chandleri	C/SD, SA, SJ	S	1B	2-2-2	G4	3.2?	9	4
Scutellaria bolanderi ssp. austromontana	C, S/SD, SJ, SB	S	1B	2-2-3	G4T2	2.2?	1	4
Sedum niveum	S/SJ, SB	S	4	1-2-2	G3	3.2	5	5
Sibaropsis hammittii	C/SA	S	1B	3-2-3	G2	2.2	9	5
Sidalcea hickmanii ssp. anomala	L/SSL	S/CR	1B	3-2-3	G3T1	1.2	12	4
Sidalcea hickmanii ssp. hickmanii	L/NSL	S	1B	2-1-3	G3T2	2.3	3.2	5
Sidalcea hickmanii ssp. parishii	S, pA, L/SB, SLP, SSL	FC/S/CR	1B	3-2-3	G3T1	1.2	3.2	5
Sidalcea pedata	S/SB	FE/CE	1B	3-3-3	G1	1.1	13	5
Streptanthus albidus ssp. peramoenus	pL/SSL, NSL	W	1B	2-2-2	G2T2	2.2	3	2
Streptanthus bernardinus	C, S/SD, SJ, SB, SG	W	4	1-1-3	G3	3.3	5	4
Streptanthus campestris	C, S, L/SD, SA, SJ, SB, SG, SLP	S	1B	2-1-2	G2	2.3	8	4
Stylocline masonii	A, L/SA	W	1B	3-3-3	G1	1.1	8	5
Swertia neglecta	S, A, L/SB, SG, SLP	S	4	1-1-3	G3	3.3	8	3
Syntrichopappus lemmonii	S, pA, pL/SA, SB	W	4	1-1-3	G3	3.3	8	4
Taraxacum californicum	S/SB	FE	1B	3-2-3	G2	2.1	13	5
Tetracoccus dioicus	C/SD	S	1B	3-2-2	G3	2.2	9	2

Plant Species Evaluated for Viability Concerns List (Species of Concern)								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	CNPS List	R-E-D	G	S	Hab Grp	FS Threat Cat
Thelypodium stenopetalum	S/SB	FE/CE	1B	3-3-3	G1	1.1	13	5
Thelypteris puberula var. sonorensis	S, pA, L/SB, SLP	W	2	2-2-1	G5T3T4	2.2?	1.1	4
Thermopsis californica var. semota	C/SD	S	1B	2-2-3	G3QT2Q	2.1	13	4
Thermopsis macrophylla	L/SB	S/CR	1B	3-1-3	G1	1.2	3.2	5
Triteleia ixioides ssp. cookii	pL/SSL	W	1B	2-1-3	G5T2	2.3	2	2
Tropidocarpum capparideum	pL/NSL	W	1A	-	GH	H	19	2
Viola aurea	pC, pS, pA/SD, SB, SG	W	2	2-2-1	G3G4	S2S3.3	8	2
Viola pinetorum ssp. grisea	pS/SB	S	1B	3-1-3	G4G5T1	1.3	7	2
287 Species								

Table-361-Federally Listed Plant Species - Endangered, Threatened, Proposed or Candidate

28 TE species, 2 C species

Federally Listed Plant Species - Endangered, Threatened, Proposed or Candidate									
Scientific Name	Common Name	Fed Cat	ANF	CNF	LPNF	SBNF	Critical Hab	Ch On Forest	Rec Plan
Acanthomintha ilicifolia	San Diego thorn-mint	FT		Y					
Allium munzii	Munz's onion	FE		Y					
Arenaria paludicola	Marsh sandwort*	FE				P			Y
Arenaria ursina	Bear Valley sandwort	FT				Y			
Astragalus albens	Cushenbury milk-vetch	FE				Y	D	Y	
Astragalus brauntonii	Brauton's milk-vetch*	FE	M	M					Y
Astragalus lentiginosus coachellae	Coachella Valley milk-vetch*	FE				M			
Astragalus tricarinatus	Triple-ribbed milk-vetch*	FE				M			
Baccharis vanessae	Encinitas baccharis	FT		Y					
Berberis nevinii	Nevin's barberry	FE	Y	Y		M			
Brodiaea filifolia	Thread-leaved brodiaea	FT	M	Y		M			
Castilleja cinerea	Ashy-grey paintbrush	FT				Y			
Caulanthus californicus	California jewelflower	FE			S-NF				Y
Ceanothus ophiochilus	Vail Lake ceonothus	FT		Y					
Chlorogalum purpureum reductum	Camatta Canyon anole	FT			Y		D	Y	
Chorizanthe parryi fernandina	San Fernando Valley spineflower	FC			P				
Dodecahema leptoceras	Slender-horned spineflower	FE	M	Y		Y			
Dudleya cymosa ovatifolia	Santa Monica Mtns dudleya	FT		Y					Y
Eriastrum densifolium sanctorum	Santa Ana River woolystar*	FE				P			
Erigeron parishii	Parish's daisy	FT				Y	D	Y	
Eriogonum kennedyi austromontanum	Southern mountain buckwheat	FT				Y			
Eriogonum ovalifolium vineum	Cushenbury buckwheat	FE				Y	D	Y	
Lesquerella kingii bernardina	San Bern. Mtns. Bladderpod	FE				Y	D	Y	
Oxytheca parishii goodmaniana	Cushenbury oxytheca	FE				Y	D	Y	
Poa atropurpurea	San Bernardino bluegrass	FE		Y		Y			
Rorippa gambellii	Gambel's watercress*	FE				P			Y

Federally Listed Plant Species - Endangered, Threatened, Proposed or Candidate									
Scientific Name	Common Name	Fed Cat	ANF	CNF	LPNF	SBNF	Critical Hab	Ch On Forest	Rec Plan
Sildalcea hickmanii parishii	Parish's checkerbloom	FC			Y	Y			
Sidalcea pedata	Bird-footed checkerbloom	FE				Y			Y
Taraxacum californicum	California dandelion	FE	M			Y			Y
Thelypodium stenopetalum	Slendar-petalled mustard	FE				Y			

H = historic,
M = modeled,
P = possible,
V = vacated,
D = Designated,
Prop = Proposed
S-NF = Surveyed, not found,
W = Winter.
** Probably not found on NFS lands,*
Critical Hab.,
CH = critical habitat (D = designated, V = vacated, P = proposed),
Rec Plan = Recovery Plan
Federally Listed Animal Species - Endangered, Threatened, Proposed or Candidate (34 total) 33 TE species (UTS treated as 2), 1 C species

Table-362-Federally Listed Animal Species - Endangered, Threatened, Proposed or Candidate

(34 total) 33 TE species (UTS treated as 2), 1 C species

Species Name	Common Name	Taxa	Fed	ANF	CNF	LPNF	SBNF	Critical Hab.	Ch On Forest	Rec Plan
Euphilotes enoptes smithi	Smith's blue butterfly	Inverte	FE			Y				Y
Euphydryas editha quino	Quino checkerspot	Inverte	FE		Y		Y	D	Y	Y
Pyrgus ruralis lagunae	Laguna Mountains skipper	Inverte	FE		Y					
Branchinecta conservatio	Conservancy fairy shrimp	Inverte	FE			Y		Prop	Y	
Branchinecta longiantenna	Longhorn fairy shrimp	Inverte	FE			P		Prop	N	
Branchinecta lynchi	Vernal pool fairy shrimp	Inverte	FT		P	Y		Prop	Y	
Catostomus santaanae	Santa Ana sucker	Fish	FT	Y		Y/intro	H/M			
Eucyclogobius newberryi	Tidewater goby	Fish	FE			M		D	N	
Gasterosteus aculeatus williamsoni	Shay Creek stickleback	Fish	FE				y			
Gasterosteus aculeatus williamsoni	Unarmored 3-spined stickleback	Fish	FE	Y		H				Y
Oncorhynchus mykiss	Southern steelhead (southern esu)	Fish	FE	H	Y		H	V		
Oncorhynchus mykiss	Southern steelhead (south-central esu)	Fish	FT			Y		V		
Bufo californicus	Arroyo toad	Amph	FE	Y	Y	Y	Y	V		Y
Rana muscosa	Mountain yellow-legged frog	Amph	FE	Y	H		Y			
Rana aurora draytonii	California red-legged frog	Amph	FT	Y	H/M	Y	H/M	D & V	Y	Y
Gopherus agassizi	Desert tortoise	Rept	FT	Y			Y	D	N	Y
Gambelia silus	Blunt-nosed leopard lizard	Rept	FE			M				Y
Pelecanus occidentalis californicus	California brown pelican	Bird	FE			Y				Y
Sterna antillarum browni	California least tern	Bird	FE			M				Y
Charadrius alexandrinus	Snowy plover	Bird	FT			Y		D	N	Y
Brachyramphus marmoratus	Marbled murrelet	Bird	FT			M		D	N	Y
Gymnogyps californianus	California condor	Bird	FE	H/M	H	Y	Y	D	Y	Y
Haliaeetus leucocephalus	Bald eagle	Bird	FT	W	W	Y/W	Y/W			Y
Empidonax traillii extimus	Southwestern willow flycatcher	Bird	FE	Y	Y	Y	Y	V	N	Y
Polioptila californica californica	California gnatcatcher	Bird	FT		Y		M	D & P	Y	
Vireo bellii pusillus	Least Bell's vireo	Bird	FE	M	Y	Y	Y	D	Y	
Coccyzus americanus	Yellow-billed cuckoo	Bird	FC							
Dipodomys ingens	Giant kangaroo rat	Mam	FE			P				Y
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mam	FE				Y	D	Y	

Dipodomys stephensi	Stephen's kangaroo rat	Mam	FE		Y					
Vulpes macrotis mutica	San Joaquin kit fox	Mam	FE			Y				Y
Enhydra lutris nereis	Southern sea otter	Mam	FT			Y				Y
Eumetopias jubatus	Stellar's sea lion	Mam	FT			Y		D	Y	Y
Ovis anadensis cremnobates	Peninsular bighorn sheep	Mam	FE				Y	D	Y	Y

H = historic,
M = modeled,
P = possible,
V = vacated,
D = Designated,
Prop = Proposed
S-NF = Surveyed, not found,
W = Winter.
** Probably not found on NFS lands,*
Critical Hab.,
CH = critical habitat (D = designated, V = vacated, P = proposed), Rec Plan = Recovery Plan.
Mountain Plover (FP) is no longer included in Fish and Wildlife Service species list with potential to be on NFS lands.

Table-363-Sensitive Animal Species by Forest (known or potential)

Updated as of 8 June 1998, Appended 6 March 2001 and 7 May 2003

Sensitive Animal Species by Forest (known or potential)					
Scientific Name	Common Name	ANF	CLE	LP	SB
Birds (6)					
Accipiter gentilis	Northern goshawk	X		X	X
Buteo swainsoni	Swainson's hawk	X		X	
Campylorhynchus brunneicapillus sandiegensis	San Diego cactus wren		X		X
Coccyzus americanus occidentalis	Western yellow-billed cuckoo		X		X
Empidonax traillii	Willow flycatcher			X	X
Strix occidentalis occidentalis	California spotted owl	X	X	X	X
Mammals (10)					
Antrozous pallidus	Pallid bat	X	X	X	X
Corynorhinus townsendii	Townsend's big-eared bat	X	X	X	X
Glaucomys sabrinus californicus	San Bernardino flying squirrel				X
Lasiurus blossevillii	Western red bat	X	X	X	X
Macrotus californicus	California leaf-nosed bat		X		X
Ovis canadensis nelsoni	San Gabriel Mtns bighorn sheep	X			X
Perognathus alticolus alticolus	White-eared pocket mouse	X			X
Perognathus alticolus inexpectatus	Tehachapi pocket mouse	X		X	
Perognathus longimembris brevinasus	Los Angeles pocket mouse	X	X		X
Tamias speciosus callipeplus	Mt. Pinos lodgepole chipmunk			X	
Amphibians (5)					
Ensatina eschscholtzii croceater	Yellow-blotched salamander	X		X	X
Ensatina eschscholtzii klauberi	Large-blotched salamander		X		X
Batrachoseps gabrieli	San Gabriel Mtn slender salamander	X			X
Batrachoseps stebbinsi	Tehachapi slender salamander			X	
Rana boylii	Foothill yellow-legged frog not present on recent surveys on ANG-SB			X	
Reptiles (10)					
Clemmys marmorata pallida	Southwestern pond turtle	X	X	X	X
Phrynosoma coronatum blainvillii	San Diego horned lizard	X	X	X	X
Anniella pulchra	California legless lizard	X	X	X	X
Diadophis punctatus modestus	San Bernardino ringneck snake	X			X
Diadophis punctatus similus	San Diego ringneck snake		X		X
Charina bottae umbratica	Southern rubber boa	X		X	X
Lichanura trivirgata roseofusca	Coastal rosy boa	X	X		X
Lampropeltis zonata parvirubra	San Bernardino Mtn. kingsnake	X			X
Lampropeltis zonata pulchra	San Diego Mountain kingsnake		X		X
Thamnophis hammondii	Two-striped garter snake	X	X	X	X

Sensitive Animal Species by Forest (known or potential)					
Scientific Name	Common Name	ANF	CLE	LP	SB
Inland And Anadromous Fishes (3)					
Gasterosteus aculeatus microcephalus	Partially armored 3spine stickleback				X
Gila orcutti	Arroyo chub	X	X	X	X
Rhinichthys osculus ssp 8	Santa Ana speckled dace	X	X	X	X
Total Sensitive Animals = 34	Total # Sensitive Animals per Forest	22	18	19	29

Table-364—USDA Forest Service, Pacific Southwest Region Sensitive Plant Species by Forest

USDA Forest Service, Pacific Southwest Region Sensitive Plant Species by Forest					
Scientific Name	Common Name	ANF	CNF	LP	SB
Abronia nana S.Watson ssp. covillei	Coville's sand verbena				X
Arabis breweri	Brewer's rockcress				X
Arabis johnstonii	Johnston's rockcress				X
Arabis parishii	Dwarf rockcress				X
Arabis shockleyi	Shockley's rockcress				X
Arctostaphylos cruzensis	Arroyo de la Cruz manzanita			X	
Arctostaphylos edmundsii	Little Sur manzanita			X	
Arctostaphylos luciana	Santa Lucia manzanita			X	
Arctostaphylos peninsularis	Peninsular manzanita				X
Arctostaphylos pilosula	Santa Margarita manzanita			X	
Arctostaphylos rainbowensis	Rainbow manzanita		X		
Arctostaphylos refugioensis	Refugio manzanita			X	
Arenaria macradenia	Mojave sandwort	X			
Astragalus bicrisatus	Twocrested milkvetch	X			X
Astragalus deanei	Deane's milkvetch		X		
Astragalus douglasii	Jacumba milkvetch		X		
Astragalus lentiginosus	Speckledpod milkvetch	X			X
Astragalus lentiginosus var. sierrae	Sierra milkvetch				X
Astragalus oocarpus	Descanso milkvetch		X		
Astragalus pachypus var. jaegeri	Jaeger's milkvetch		X		
Atriplex parishii	Parish's saltbush				X
Botrychium crenulatum	Scalloped moonwort	X			X
Brodiaea orcuttii	Orcutt's clusterlily		X		
Calochortus dunnii	Dunn's Mariposa lily		X		
Calochortus obispoensis	San Luis mariposa lily			X	
Calochortus palmeri var. munzii	Munz's Mariposa lily				X
Calochortus palmeri var. palmeri	Palmer's Mariposa lily	X		X	X
Calochortus plummerae	Plummer's Mariposa lily	X			X
Calochortus striatus	Alkali Mariposa lily	X			X
Calochortus weedii var. intermedius	Weed's mariposa lily		X		
Calochortus weedii var. vestus	Weed's mariposa lily			X	
Calycadenia villosa	Dwarf western rosinweed			X	
Canbya candida	White pygmypoppy	X			X
Carex obispoensis	San Luis Obispo sedge			X	
Carlquistia muirii (Raillardiopsis muirii)	Muir's raillardella			X	
Castilleja gleasonii	Frosted Indian paintbrush	X			
Castilleja lasiorhyncha	San Bernardino Mountains owl's clover		X		X
Caulanthus amplexicaulis var. barbarae	Claspingleaf wild cabbage			X	
Caulanthus simulans	Payson's wild cabbage		X		X

USDA Forest Service, Pacific Southwest Region Sensitive Plant Species by Forest					
Scientific Name	Common Name	ANF	CNF	LP	SB
Ceanothus cyaneus	San Diego buckbrush		X		
Chorizanthe blakleyi	Blakeley's spineflower			X	
Chorizanthe breweri	San Luis Obispo spineflower			X	
Chorizanthe parryi var. parryi	Parry's spineflower				X
Chorizanthe polygonoides var. longispina	Knotweed spineflower		X		X
Chorizanthe rectispina	Prickly spineflower			X	
Clarkia delicata	Campo fairyfan		X		
Claytonia lanceolata var. peirsonii	Western spring beauty	X			X
Cupressus forbesii Jepson	Tecate cypress		X		
Cupressus stephensonii C.B. Wolf	Arizona cypress		X		
Deinadra floribunda (Hemizonia floribunda)	Tecate tarweed		X		
Deinadra mohavensis (Hemizonia mohavensis)	Mojave tarweed		X		X
Delphinium hesperium Gray ssp. cuyamacae (Abrams) Lewis & Epl.	Cuyamaca larkspur		X		X
Delphinium hutchinsoniae Ewan	Monterey larkspur			X	
Delphinium inopinum (Jepson) Lewis & Epl.	Unexpected larkspur			X	
Dudleya abramsii Rose ssp. affinis Nakai	Abrams' liveforever				X
Dudleya densiflora (Rose) Moran	San Gabriel Mountains dudleya	X			
Dudleya multicaulis (Rose) Moran	Many-stemmed dudleya	X	X		
Dudleya viscida (Wats.) Moran	Sticky dudleya		X		
Eriastrum hooveri	Hoover’s eriastrum			X	
Erigeron uncialis var. uncialis	Lone fleabane				X
Eriogonum butterworthianum J.T. Howell	Butterworth's buckwheat			X	
Eriogonum kennedyi var. alpigenum	Southern alpine buckwheat	X		X	X
Eriogonum microthecum var. johnstonii	Johnston's buckwheat	X			X
Eriophyllum lanatum var.	Fort Tejon woolly sunflower			X	
Fritillaria falcata	Talus fritillary			X	
Fritillaria ojaiensis	Ojai fritillary			X	
Fritillaria viridea	San Benito fritillary			X	
Galium angustifolium ssp. jacinticum	Jacinto bedstraw				X
Galium californicum ssp. luciense	Cone Peak bedstraw			X	
Galium californicum ssp. primum	California bedstraw				X
Galium grande	San Gabriel bedstraw	X			
Galium hardhamiae	Hardham's bedstraw			X	
Githopsis diffusa ssp. filicaulis	San Gabriel bluecup		X		
Heuchera hirsutissima	Shaggy-haired alumroot				X
Heuchera parishii	Parish's alumroot				X
Horkelia truncata	Ramona horkelia		X		
Horkelia wilderae	Barton Flats horkelia				X
Ivesia argyrocoma	Silver-haired ivesia				X
Ivesia callida	Tahquitz ivesia				X
Layia heterotricha	Pale-yellow layia			X	

USDA Forest Service, Pacific Southwest Region Sensitive Plant Species by Forest					
Scientific Name	Common Name	ANF	CNF	LP	SB
Lepechinia cardiophylla	Santa Ana pitchersage		X		
Leptodactylon jaegeri	San Jacinto prickly phlox				X
Lessingia glandulifera var. tomentosa	Warner Springs lessingia		X		
Lilium parryi	Lemon lily	X	X		X
Limnanthes gracilis var. parishii	Parish's meadowfoam		X		
Linanthus concinnus	San Gabriel linanthus	X			X
Linanthus floribundus ssp. hallii	Santa Rosa Mountains linanthus				X
Linanthus killipii	Baldwin Lake linanthus				X
Linanthus orcuttii	Orcutt's linanthus		X		
Lupinus ludovicianus	San Luis Obispo lupine			X	
Machaeranthera asteroides var. lagunensis	Laguna Mountains aster		X		
Machaeranthera canescens var. ziegleri	Ziegler's aster				X
Malacothrix saxatilis var. arachnoidea	Carmel Valley malacothrix			X	
Malaxis monophyllos ssp. brachypoda	White addersmouth orchid				X
Marina orcuttii var. orcuttii	California marina				X
Mimulus exiguus	San Bernardino Mountain monkeyflower				X
Mimulus purpureus	Purple monkeyflower				X
Monardella hypoleuca ssp. lanata	Felt-leaved monardella		X		
Monardella linoides ssp. oblonga	Flax-like monardella			X	
Monardella macrantha ssp. hallii	Hall's monardella	X		X	X
Monardella nana ssp. leptosiphon	San Felipe monardella		X		X
Monardella viridis ssp. saxicola	Rock monardella	X			X
Navarretia peninsularis	Baja pincushionplant	X	X	X	
Nolina cismontana	California beargrass		X		
Opuntia basilaris var. brachyclada	Short-joint beavertail	X			X
Orobanche valida ssp. valida	Rock Creek broomrape	X		X	
Oxytheca emarginata	White-margined oxytheca				X
Oxytheca parishii var. abramsii	Abrams' oxytheca			X	
Oxytheca parishii var. cienegensis	Cienega seca oxytheca				X
Packera bernardina (Senecio bernardinus)	San Bernardino ragwort				X
Packera ganderi (Senecio ganderi)	Gander's ragwort		X		
Pedicularis dudleyi	Dudley's lousewort			X	
Penstemon californicus	California penstemon		X		X
Pentachaeta exilis ssp. aeolica	Meager pygmydaisy			X	
Phacelia suaveolens ssp. keckii	Santiago Peak phacelia		X		
Phlox dolichantha	Bear Valley phlox				X
Plagiobothrys uncinatus	Hooked popcornflower			X	
Potentilla rimicola	Cinquefoil				X
Pyrrocoma uniflora var. gossypina	Bear Valley haplopappus				X
Quercus dumosa	California scrub oak			X	
Ribes canthariforme	Moreno currant		X		

USDA Forest Service, Pacific Southwest Region Sensitive Plant Species by Forest					
Scientific Name	Common Name	ANF	CNF	LP	SB
Sanicula maritima	Adobe sanicle			X	
Satureja chandleri	San Miguel savory		X		
Scutellaria bolanderi ssp. austromontana	Southern skullcap		X		X
Sedum niveum	Davidson's stonecrop				X
Sibaropsis hammittii	Hammit's clay-cress		X		
Sidalcea hickmanii ssp. anomala	Cuesta Pass checkerbloom			X	
Sidalcea hickmanii ssp. hickmanii	Hickman's checkerbloom			X	
Sidalcea hickmanii ssp. parishii	Parish's checkerbloom			X	X
Streptanthus campestris	Southern jewelflower		X	X	X
Swertia neglecta	Pine green-gentian	X		X	X
Tetracoccus dioicus	Parry's tetracoccus		X		
Thermopsis californica var. semota	Velvety false lupine		X		
Thermopsis macrophylla	False lupine			X	
Viola pinetorum ssp. grisea	Grey-leaved violet				X
Forest Sensitive Plant Species = 135	**Total # Sensitive Species per Forest**	**23**	**42**	**45**	**61**

June 1998
(updated in 2003 - recently listed federal species are no longer sensitive and recently delisted federal species become sensitive)

Table-365—Primary Species within Critical Biological Land Use Zones

Primary Species within Critical Biological Land Use Zones								
Forest	Name	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Species
Angeles	Castaic Creek	y	y	y	y	n	y	Arto
Angeles	Castaic Creek (Fish Cyn)	y	y	y	n	n	y	Arto
Angeles	San Francisquito Canyon	n	y	y	y	n	y	Crlf, Uts
Angeles	San Francisquito Canyon	n	y	y	y	n	y	Crlf, Uts
Angeles	San Francisquito Canyon	n	y	y	y	n	y	Crlf, Uts
Angeles	Little Rock Creek (North)	y	y	y	y	n	y	Arto
Angeles	Little Rock Creek (North)	y	y	y	y	n	y	Arto
Angeles	Soledad Canyon	n	y	y	n	n	y	Uts, Arto
Angeles	Little Rock Creek (North)	y	y	y	y	n	y	Arto
Angeles	Big Rock Creek (South Fork)	n	y	y	y	n	y	Mylf
Angeles	Little Rock Creek (South)	n	y	y	y	n	y	Mylf
Angeles	Little Rock Creek (South)	n	n	y	n	n	y	Mylf
Angeles	Upper Big Tujunga	n	y	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	n	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	y	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	y	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	n	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	y	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	n	y	n	n	y	Arto, Crlf

Primary Species within Critical Biological Land Use Zones								
Forest	Name	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Species
Angeles	Upper Big Tujunga	n	y	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	n	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	n	y	n	n	y	Arto, Crlf
Angeles	Upper Big Tujunga	n	n	y	n	n	y	Arto, Crlf
Angeles	San Gabriel River (North & West Forks)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (North & West Forks)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (North & West Forks)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Angeles	San Gabriel River (East Fork)	n	n	y	n	n	y	Sasu
Cleveland	Dripping Springs (Arroyo Seco)	n	n	y	n	n	y	Arto, Dole
Cleveland	Observatory	n	n	n	n	n	y	Lms
Cleveland	W. Fork San Luis Rey SIA	y	y	y	y	n	y	Wild trout
Cleveland	Mendenhall	n	n	n	n	n	y	Lms
Cleveland	San Luis Rey	n	n	y	n	n	y	Swwf
Cleveland	San Luis Rey	n	n	y	n	n	y	Swwf
Cleveland	San Diego River	n	y	y	n	n	y	Arto,Cagn
Cleveland	San Diego River	n	y	y	n	n	y	ArtoCagn
Cleveland	King Creek	y	y	y	y	n	y	Cuyamaca cypress
Cleveland	Laguna Meadow	n	n	n	n	n	y	Lms, Poat
Cleveland	Viejas Mtn	n	y	y	n	n	y	Acil
Cleveland	Guatay Mtn	n	y	y	n	n	y	Tecate Cypress
Los Padres	Camatta (Proposed)	n	n	n	n	n	y	Chpu
Los Padres	Mono Creek Road Crossings	n	n	y	n	n	y	Arto, Crlf, Lbv
Los Padres	Middle Santa Ynez	n	n	y	n	n	y	Arto, Crlf, Lbv
Los Padres	Upper Sespe	n	n	y	n	n	y	Arto, Crlf
Los Padres	Upper Piru	n	n	y	n	n	y	Arto
Los Padres	Upper Santa Ynez	n	n	y	n	n	y	Arto, Crlf, Lbv
San Bernardino	Lower Deep Creek	n	y	y	y	n	y	Arto, Swwf
San Bernardino	Lower Deep Creek	n	y	y	y	n	y	Arto, Swwf
San Bernardino	Coxey Pebble Plain	n	y	y	y	n	y	Vbb, Ecb
San Bernardino	Little Horsethief Canyon	n	y	y	y	n	y	Arto
San Bernardino	Bertha Ridge	n	y	y	y	n	y	Carbonate
San Bernardino	City Creek	n	y	y	y	n	y	Mylf
San Bernardino	City Creek	n	y	y	y	n	y	Mylf
San Bernardino	Dark Canyon/Fuller Mill	n	y	y	y	n	y	Mylf

Primary Species within Critical Biological Land Use Zones								
Forest	Name	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6	Species
San Bernardino	Dark Canyon/Fuller Mill	n	y	y	y	n	y	Mylf
San Bernardino	Dark Canyon/Fuller Mill	n	n	n	n	n	y	Mylf
San Bernardino	Dark Canyon/Fuller Mill	n	y	y	y	n	y	Mylf
San Bernardino	Dark Canyon/Fuller Mill	n	n	n	n	n	y	Mylf
San Bernardino	Bautista Creek	n	n	y	n	n	y	Arto, Sbkr, Dole
San Bernardino	Bautista Creek	n	n	n	n	n	y	Arto, Sbkr, Dole
San Bernardino	Bautista Creek	n	n	y	n	n	y	Arto, Sbkr, Dole
San Bernardino	Union Flat	n	n	y	n	n	y	Peb. plains, Acbb
San Bernardino	South Baldwin Lake	n	y	y	y	n	y	Suts, Baea, Caci, Taca, Thst, Amb
San Bernardino	Sugarloaf Meadow	n	y	y	y	n	y	Suts, Taca
San Bernardino	Gold Mountain	n	y	y	n	n	y	Peb. plains, Baea
San Bernardino	Gold Mountain	n	n	y	n	n	y	Peb. plains, Baea
San Bernardino	Gold Mountain	n	n	y	n	n	y	Peb. plains, Baea
San Bernardino	Gold Mountain	n	y	y	n	n	y	Peb. plains, Baea
San Bernardino	Dark Canyon/Fuller Mill	n	y	y	y	n	y	Mylf
San Bernardino	Dark Canyon/Fuller Mill	n	y	y	y	n	y	Mylf

Arto = Arroyo toad,
Crlf = California red-legged frog,
Cagn = California gnatcatcher,
Lbv = Least Bell's vireo,
Mylf = Mountain yellow-legged frog,
Swwf = Southwest willow flycatcher,
Uts = unarmored three-spined stickleback,
Suts = Shay Creek unarmored three-spined stickleback,
Poat = *Poa atropurpurea*,
Vbb = Vernal blue butterfly,
Ecb = Erlich's checkerspot butterfly,
Acbb = Arrastre Creek blue butterfly,
Amb = Andrew's marbled butterfly,
Baea = Bald eagle,
Sbkr = San Bernardino kangaroo rat,
Dole = *Dodecahema leptoceras*,
Carbonate = carbonate plant species and habitat,
Peb. plains = pebble plains plant species and habitat,
Caci = *Castilleja cinerea*,
Taca = *Taraxacum californicum*,
Thst = *Thelypodium stenopetalum*,

Table-366—Proposed Critical Biological Land Use Zones for Riparian Dependent Species by Forest

Proposed Critical Biological Land Use Zones for Riparian Dependent Species by Forest		
Critical Biological Land Use Zone Name Segment	Riparian Emphasis Species	Alternatives with Critical Biological Land Use Zones
Angeles		
Castaic Creek	Arto	All but alt. 5
Castaic Creek (Fish Cyn)	Arto	All but alt. 4 & 5
San Francisquito Canyon	Crlf, Uts	All but alt. 1 and 5
San Francisquito Canyon	Crlf, Uts	All but alt. 1 and 5
San Francisquito Canyon	Crlf, Uts	All but alt. 1 and 5
Little Rock Creek (North)	Arto	All but alt. 5
Little Rock Creek (North)	Arto	All but alt. 5
Soledad Canyon	Uts, Arto	Alt. 2, 3 and 6
Little Rock Creek (North)	Arto	All but alt. 5
Big Rock Creek (South Fork)	Mylf	All but alt. 1 and 5
Little Rock Creek (South)	Mylf	All but alt. 1 and 5
Little Rock Creek (South)	Mylf	Alt. 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 2, 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 2, 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 2, 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 2, 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 2, 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 3 and 6
Upper Big Tujunga	Arto, Crlf	Alt. 3 and 6
San Gabriel River (North & West Forks)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6
San Gabriel River (North & West Forks)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6
San Gabriel River (North & West Forks)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6
San Gabriel River (East Fork)	Sasu	Alt. 3 and 6

Proposed Critical Biological Land Use Zones for Riparian Dependent Species by Forest		
Critical Biological Land Use Zone Name Segment	Riparian Emphasis Species	Alternatives with Critical Biological Land Use Zones
Cleveland		
Dripping Springs (Arroyo Seco)	Arto, Dole	Alt. 3 and 6
W. Fork San Luis Rey SIA	Wild trout	All but alt. 5
San Luis Rey	Swwf	Alt. 3 and 6
San Luis Rey	Swwf	Alt. 3 and 6
San Diego River	(Cagn)	Alt. 2, 3 and 6
San Diego River	(Cagn)	Alt. 2, 3 and 6
Laguna Meadow	Poat +(Lms)	Alt. 6
Los Padres		
Mono Creek Road Crossings	Arto, Crlf, Lbv	Alt. 3 and 6
Middle Santa Ynez	Arto, Crlf, Lbv	Alt. 3 and 6
Upper Sespe	Arto, Crlf	Alt. 3 and 6
Upper Piru	Arto	Alt. 3 and 6
Upper Santa Ynez	Arto, Crlf, Lbv	Alt. 3 and 6
San Bernardino		
Lower Deep Creek	Arto, Swwf	Alt. 2, 3, 4, and 6
Lower Deep Creek	Arto, Swwf	Alt. 2, 3, 4, and 6
Little Horsethief Canyon	Arto	Alt. 2, 3, 4, and 6
City Creek	Mylf	Alt. 2, 3, 4, and 6
City Creek	Mylf	Alt. 2, 3, 4, and 6
Dark Canyon/Fuller Mill	Mylf	Alt. 2, 3, 4, and 6
Dark Canyon/Fuller Mill	Mylf	Alt. 2, 3, 4, and 6
Dark Canyon/Fuller Mill	Mylf	Alt. 6
Dark Canyon/Fuller Mill	Mylf	Alt. 2, 3, 4, and 6
Dark Canyon/Fuller Mill	Mylf	Alt. 6
Bautista Creek	Arto, Dole, Swwf,(Sbkr)	Alt. 3 and 6
Bautista Creek	Arto, Dole, Swwf,(Sbkr)	Alt. 6
Bautista Creek	Arto, Dole, Swwf,(Sbkr)	Alt. 3 and 6
South Baldwin Lake	Suts, (Caci) Taca, Thst, (Baea), (Amb)	Alt. 2, 3, 4, and 6
Sugarloaf Meadow	Suts, Taca	Alt. 2, 3, 4, and 6
Dark Canyon/Fuller Mill	Mylf	

other species shown with "( )"
Arto = Arroyo toad,
Crlf = California red-legged frog,
Cagn = California gnatcatcher,
Lbv = Least Bell's vireo,
Mylf = Mountain yellow-legged frog,
Swwf = Southwest willow flycatcher,
Uts = unarmored three-spined stickleback,
Suts = Shay Creek unarmored three-spined stickleback,
Poat = Poa atropurpurea,
Amb = Andrew's marbled butterfly,
Baea = Bald eagle,
Sbkr = San Bernardino kangaroo rat,
Dole = Dodecahema leptoceras,
Caci = Castilleja cinerea,
Taca = Taraxacum californicum,
Thst = Thelypodium stenopetalum,

Table-367—Plant Species Determined To Be At Substantial Risk From Forest Service Activities With Types Of Threats That Affect Them. All Plants Are In Risk Category 5

Plant Species Determined To Be At Substantial Risk From Forest Service Activities With Types Of Threats That Affect Them. All Plants Are In Risk Category 5								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	Cnps List	R-E-D	G	S	Hab Grp	Threats
Acanthomintha ilicifolia	C/SD	FT/CE	1B	2-3-2	G1	1	9	Dispersed recreation, unauthorized grazing, invasive species
Allium hickmanii	L/NSL	W	1B	2-3-2	G2	2	19	Incomplete knowledge, grazing
Allium munzii	C/SA	FE/CT	1B	3-3-3	G1	1	9	Recreation, invasive species
Androsace elongata ssp. acuta	C, S, L/SD, SJ, SB, SLP	W	4	1-2-2	G?T3?	3	16	Grazing, vegetation management
Arabis dispar	S/SB	W	2	2-1-1	G3	2	8	Access, recreation
Arabis johnstonii	S/SJ	W	1B	3-2-3	G2	2	3.2	Grazing
Arabis parishii	S/SB	S	1B	2-2-3	G2	2	11	Access, recreation, mining
Arctostaphylos cruzensis	L/NSL	S	1B	2-2-3	G2	2	6	Small population size, vegetation management
Arenaria lanuginosa ssp. saxosa	S/SB	W	2	3-1-1	G5T5	1	7	Recreation, altered hydrology
Arenaria ursina	S/SB	FT	1B	2-2-3	G2	2	11	Access, recreation, mining
Astragalus albens	S/SB	FE	1B	3-3-3	G1	1	10	Access, recreation, mining
Astragalus lentiginosus var. sierrae	S/SB	S	1B	2-2-3	G5T1	1?	8	Access, recreation, mining
Astragalus oocarpus	C/SD	S	1B	3-2-3	G2	2	3.2	Small population size, access
Astragalus pachypus var. jaegeri	C, pS/SD, SJ	S	1B	3-3-3	G?T1	1	3	Small population size, recreation
Berberis nevinii	C/SD, pSA, pS, A/SB, SG	FE/CE	1B	3-3-3	G2	2	3	Incomplete knowledge, small population size, recreation, vegetation management
Botrychium crenulatum	S, pA/SB	S	2	2-2-1	G3	2	13.1	Altered hydrology, recreation
Calochortus dunnii	C/SD	S/CR	1B	2-2-3	G2	2	9	Recreation
Calochortus obispoensis	L/SLP, NSL	S	1B	2-2-3	G2	2	12	Recreation, vegetation management
Calochortus palmeri var. munzii	S/SJ	S	1B	3-2-3	G2T1	1	13	Access, recreation, collection

Plant Species Determined To Be At Substantial Risk From Forest Service Activities With Types Of Threats That Affect Them. All Plants Are In Risk Category 5								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	Cnps List	R-E-D	G	S	Hab Grp	Threats
Calochortus palmeri var. palmeri	S, A, L/SJ, SB, SG, CAS, SLP	S	1B	2-2-3	G2T2	2	13	Access, recreation, collection
Camissonia hardhamiae	L/SLP, SSL	W	1B	3-2-3	G1Q	1	3	Small population size, incomplete knowledge, recreation, grazing
Canbya candida	pS, A/SB	S	4	1-2-3	G3	3	8	Small population size, limited knowledge, recreation
Carex obispoensis	L/SLP, NSL	S	1B	2-2-3	G2	2	16	Special uses, recreation
Castilleja cinerea	S/SB	FT	1B	2-2-3	G2	2	11	Access, recreation, mining
Castilleja lasiorhyncha	pC, S/SB	S	1B	2-2-3	G2	2	13	Access, recreation, altered hydrology
Castilleja plagiotoma	S, A, pL/SA, SB	W	4	1-1-3	G3	3	11	Access, recreation, vegetation management
Caulanthus amplexicaulis var. barbarae	L/SLP	S	1B	3-1-3	G3?T1	1	12	Small population size, access, mining
Caulanthus coulteri var. lemmonii	L/SLP, SSL, NSL	W	1B	2-2-3	G4T2	2	16	Incomplete knowledge, recreation, grazing
Chlorogalum purpureum var. reductum	L/SSL	FT/CR	1B	3-3-3	G1T1	1	12	Access, recreation
Chorizanthe blakleyi	L/SLP	S	1B	2-1-3	G3	2	3.2	Small population size, access
Clarkia jolonensis	L/NSL	W	1B	3-2-3	G2	2	3	Incomplete knowledge, grazing
Claytonia lanceolata var. peirsonii	S, A/SG	S	1B	3-3-3	G5T1Q	1	7	Access, recreation, grazing, mining
Cupressus stephensonii	C/SD	S	1B	3-3-3	G1	1	3.2	small population size, too frequent fire
Delphinium hutchinsoniae	L/NSL	S	1B	3-2-3	G2	2	6	Small population size, recreation
Dodecahema leptoceras	C, S/SD, SJ, SB, SG	FE/CE	1B	3-3-3	G1	1	17.3	Unauthorized shooting, dispersed recreation
Dudleya abramsii ssp. affinis	S/SB	S	1B	2-2-3	G3T2	2	8	Access, recreation, mining
Dudleya cymosa ssp. crebrifolia	A/SG	W	1B	3-2-3	G5T1	1	3.2	Small population size, recreation
Dudleya densiflora	A/SG	C/S	1B	3-3-3	G1	1	1.1	Small population size, access

Plant Species Determined To Be At Substantial Risk From Forest Service Activities With Types Of Threats That Affect Them. All Plants Are In Risk Category 5								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	Cnps List	R-E-D	G	S	Hab Grp	Threats
Erigeron parishii	S/SA, SB	FT	1B	2-3-3	G2	2	10	Mining
Eriogonum foliosum	pC, S/SD, SJ, SB	W	1B	3-2-2	G3	H	8	Dispersed recreation, mining, incomplete knowledge
Eriogonum kennedyi var. austromontanum	S/SB	FT	1B	2-2-3	G4T2	2	11	Access, recreation, mining
Eriogonum ovalifolium var. vineum	S/SB	FE *	1B	3-3-3	G5T1	1	10	Access, mining
Galium angustifolium ssp. jacinticum	S/SJ	S	1B	3-1-3	G5T1	1	5	Small population size, recreation
Galium californicum ssp. primum	S/SJ	S	1B	3-2-3	G5T1	1	5	Access, recreation, vegetation management
Gentiana fremontii	S/SB	W	2	3-1-1	G4	2	7	Recreation, vegetation management
Horkelia yadonii	L/SLP, NSL	W	4	1-2-3	G3	3	13	Dispersed recreation
Ivesia argyrocoma	S/SB	S	1B	2-2-2	G2	2	11	Access, recreation, mining
Juncus duranii	S/SJ, SB, SG	W	4	1-1-3	G3	3	13.1	Altered hydrology, recreation, access, grazing
Lesquerella kingii ssp. bernardina	S/SB	FE	1B	3-3-3	G5T1	1	10	Recreation, mining
Lilium humboldtii ssp. ocellatum	C, S, A, L/SD, SA, SJ, SB, SG, CAS, SLP	W	4	1-2-3	G4T3	3	1	Recreation, grazing
Limnanthes gracilis ssp. parishii	C/SD, SJ	S/CE	1B	2-2-3	G3T2	2	13.1	Recreation, grazing
Linanthus concinnus	pS, A/SB	S	1B	3-2-3	G2	2?	5	Access, recreation
Linanthus floribundus ssp. hallii	S/SJ	S	1B	3-1-3	G4T1	1	8	Access, recreation
Linanthus killipii	S/SB	S	1B	2-2-3	G2	2	11	Access, recreation, mining
Lupinus ludovicianus	L/SSL	S	1B	3-2-3	G2	2.2	19	Incomplete knowledge, small population size, vegetation management
Machaeranthera asteroides	C, pS/SD	S/CR	2	3-3-1	G5T2T3	1	13	Recreation, grazing, timber management

Plant Species Determined To Be At Substantial Risk From Forest Service Activities With Types Of Threats That Affect Them. All Plants Are In Risk Category 5								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	Cnps List	R-E-D	G	S	Hab Grp	Threats
var. lagunensis								
Machaeranthera canescens var. ziegleri	S/SJ	S	1B	3-2-3	G5T1	1	5	Small population size, access, recreation
Malacothamnus palmeri var. lucianus	L/NSL	W	1B	3-2-3	G4T1Q	1	3.2	Small population size, access, vegetation management
Malaxis monophyllos ssp. brachypoda	S, pA/SJ, SB	S	2	3-3-1	G?T4	1	13.1	Recreation
Marina orcuttii var. orcuttii	S/SJ	S	1B	3-1-2	G?T1T2	1	8	Recreation, access, small population size, limited knowledge
Matelea parvifolia	S/SJ, pSB	W	2	3-1-1	G5?	2	18	Access, recreation
Mimulus exiguus	S/SB	S	1B	2-2-2	G2	2	13	Access, recreation, altered hydrology
Mimulus purpureus	S/SB	S	1B	2-2-2	G2	2	11	Access, recreation
Oxytheca emarginata	S/SJ	S	1B	2-1-3	G2	2	3.2	Grazing
Oxytheca parishii var. abramsii	L/SLP	S	1B	2-2-3	G4?T2	2	3.2	Incomplete knowledge, small population size, vegetation management
Oxytheca parishii var. goodmaniana	S/SB	FE	1B	3-3-3	G4?T1	1	10	Access, mining, recreation
Packera bernardina	S/SB	S	1B	2-2-3	-	-	13.2	Access, recreation, mining
Packera ganderi	C/SD	S/CR	1B	3-2-3	-	-	9	Recreation
Parnassia cirrata	S/SB, SG	W	1B	2-1-3	G2	2	5	Recreation
Penstemon californicus	pC, S/SJ	S	1B	3-2-2	G3?	2	8	Access, recreation, vegetation management
Pentachaeta exilis ssp. aeolica	L/SB, NSL	S	1B	3-2-3	G5T1	1	2	Incomplete knowledge, small population size, access
Phacelia exilis	S/SB	W	4	1-1-3	G3Q	3	5	Access, recreation, grazing
Phacelia mohavensis	S/SB, SG	W	4	1-1-3	G3Q	3	8	Access, recreation, altered hydrology
Phlox dolichantha	S/SB	S	1B	2-2-3	G2	2	5	Access, recreation
Piperia leptopetala	pA, C, pL, S/pCAS, pNSL, SB, SD	W	4	1-1-3	G3	3	5	Vegetation management
Poa atropurpurea	C, S/SD, SB	FE	1B	2-2-3	G2	2	13.1	Altered hydrology, recreation

Plant Species Determined To Be At Substantial Risk From Forest Service Activities With Types Of Threats That Affect Them. All Plants Are In Risk Category 5								
Scientific Name	Forest Distribution/ Mountain Range(S)	Status	Cnps List	R-E-D	G	S	Hab Grp	Threats
Podistera nevadensis	S/SB	W	4	1-1-3	G3	3	7	Limited knowledge, small population size, recreation
Pyrrocoma uniflora var. gossypina	S/SB	S	1B	2-2-3	G5T2	2	13.2	Access, recreation
Sanicula maritima	L/SSL, NSL	S/CR	1B	3-2-2	G2	2	12	Small population size, recreation
Sedum niveum	S/SJ, SB	S	4	1-2-2	G3	3	5	Access, recreation
Sibaropsis hammittii	C/SA	S	1B	3-2-3	G2	2	9	Recreation, grazing
Sidalcea hickmanii ssp. hickmanii	L/NSL	S	1B	2-1-3	G3T2	2	3.2	Small population size, access, vegetation management.
Sidalcea hickmanii ssp. parishii	S, pA, L/SB, SLP, SSL	C/S/CR	1B	3-2-3	G3T1	1	3.2	Small population size, access, vegetation management
Sidalcea pedata	S/SB	FE/CE	1B	3-3-3	G1	1	13.1	Altered hydrology, recreation
Stylocline masonii	A, L/SA	W	1B	3-3-3	G1	1	8	Small population size
Taraxacum californicum	S/SB	FE	1B	3-2-3	G2	2	13.1	Altered hydrology, recreation
Thelypodium stenopetalum	S/SB	FE/CE	1B	3-3-3	G1	1	13	Altered hydrology, recreation
Thermopsis macrophylla	L/SB	S/CR	1B	3-1-3	G1	1	3.2	Small population size, access, vegetation management

Table-368—Viability Outcome Statements By Alternative For Plant Species-At-Risk

Viability Outcome Statements By Alternative For Plant Species-At-Risk													
Species	National Forest Service Land							All Land					
	1	2	3	4	5	6		1	2	3	4	5	6
Acanthomintha ilicifolia	B	B	A	B	C	A		C	C	C	C	C	C
Allium hickmanii	C	C	C	C	C	C		C	C	C	C	C	C
Allium munzii	B	B	B	B	C	B		C	C	C	C	C	C
Androsace elongata ssp acuta	B	B	B	B	C	B		C	C	C	C	C	C
Arabis dispar	B	B	A	B	B	A		B	B	B	B	B	B
Arabis johnstonii	B	B	A	B	C	A		C	C	C	C	C	C
Arabis parishii	C	A	A	B	C	A		C	B	B	B	C	B
Arctostaphylos cruzensis	E	E	E	E	E	E		B	B	B	B	B	B
Arenaria lanuginosa ssp. saxosa	B	B	B	B	C	B		B	B	B	B	B	B
Arenaria ursina	C	A	A	C	C	A		C	B	B	C	C	B
Astragalus albens	C	B	B	C	C	B		C	B	B	C	C	B
Astragalus lentiginosus var. sierrae	B	B	B	B	C	B		C	C	C	C	C	C
Astragalus oocarpus	B	B	A	B	C	A		C	C	C	C	C	C
Astragalus pachypus var. jaegeri	B	B	A	A	C	A		B	B	B	B	C	B
Berberis nevinii	B	B	A	B	C	A		C	C	C	C	C	C
Botrychium crenulatum	B	B	B	B	C	B		B	B	B	B	B	B
Calochortus dunnii	B	B	A	B	C	A		B	B	B	B	C	B
Calochortus obispoensis	B	B	B	B	C	B		C	C	C	C	C	C
Calochortus palmeri var. munzii	B	B	A	B	B	A		C	C	C	C	C	C
Calochortus palmeri var. palmeri	B	B	B	C	C	B		C	C	C	C	C	C
Camissonia hardhamiae	E	E	E	E	E	E		C	C	C	C	C	C
Canbya candida	C	B	B	B	C	B		C	C	C	C	C	C
Carex obispoensis	B	B	B	C	C	B		C	C	C	C	C	C
Castilleja cinerea	B	A	A	B	B	A		C	B	B	C	C	B
Castilleja lasiorhyncha	B	B	A	B	C	A		C	B	B	B	C	B
Castilleja plagiotoma	B	B	A	B	C	A		B	B	B	B	C	B

Viability Outcome Statements By Alternative For Plant Species-At-Risk													
Species	National Forest Service Land							All Land					
	1	2	3	4	5	6		1	2	3	4	5	6
Caulanthus amplexicaulis var. barbarae	B	B	B	B	C	B		B	B	B	B	C	B
Caulanthus coulteri var. lemmonii	B	B	B	B	B/C	B		C	C	C	C	C	C
Chlorogalum purpureum var. reductum	B	B	B	B	C	A		C	C	C	C	C	B
Chorizanthe blakleyi	B	B	B	B	B/C	B		C	C	C	C	C	C
Clarkia jolonensis	B	B	B	B	B	A		C	C	C	C	C	B
Claytonia lanceolata var. peirsonii	B	B	B	B	C	B		B	B	B	B	C	B
Cupressus stephensonii	E	E	E	E	E	E		E	E	E	E	E	E
Delphinium hutchinsoniae	C	C	C	C	C	B		D	D	D	D	D	D
Dodecahema leptoceras	B	B	A	B	C	A		C	C	B	C	C	B
Dudleya abramsii ssp. affinis	C	A	A	B	C	A		C	B	B	B	C	B
Dudleya cymosa ssp. crebrifolia	B	B	B	C	C	B		B	B	B	C	C	B
Dudleya densiflora	C	C	C	C	C	C		D	D	D	D	D	D
Erigeron parishii	C	B	B	C	C	B		C	B	B	C	C	B
Eriogonum foliosum	C	B	B	C	C	B		C	B	B	C	C	B
Eriogonum kennedyi var. austromontanum	C	A	A	C	C	A		C	B	B	C	C	B
Eriogonum ovalifolium var. vineum	C	B	B	C	C	B		C	B	B	C	C	B
Galium angustifolium ssp. jacinticum	C	B	B	B	C	A		C	B	B	B	C	A
Galium californicum primum	D	D	C	D	D	C		D	D	D	D	D	D
Gentiana fremontii	C	C	C	C	D	C		C	C	C	C	C	C
Horkelia yadonii	B	B	B	B	C	B		C	C	C	C	C	C
Ivesia argyrocoma	C	A	A	B	C	A		C	B	B	B	C	B
Juncus duranii	B	B	A	B	C	A		C	B	B	B	C	B
Lesquerella kingii ssp. bernardina	C	B	B	B	C	B		C	B	B	B	C	B
Lilium humboldtii ssp. ocellatum	B	B	B	B	C	B		D	D	D	D	D	D
Limnanthes gracilis ssp. parishii	B	B	B	B	C	A		B	B	B	B	B	B
Linanthus concinnus	B	B	A	B	C	A		B	B	A	B	C	A
Linathus floribundus ssp. hallii	B	B	A	B	B	A		B	B	A	B	B	A
Linanthus killipii	C	A	A	B	C	A		C	B	B	B	D	B

Viability Outcome Statements By Alternative For Plant Species-At-Risk												
Species	National Forest Service Land							All Land				
	1	2	3	4	5	6		1	2	3	4	5	6
Lupinus ludovicianus	E	E	E	E	E	E		D	D	D	D	D	D
Machaeranthera asteroides var. lagunensis	B	B	B	B	C	B		B	B	B	B	B	B
Machaeranthera canescens var. ziegleri	B	B	A	B	B	A		C	C	B	C	C	B
Malacothamnus palmeri var. lucianus	D	D	C	C	D	C		D	D	D	D	D	C
Malaxis monophyllos ssp. brachypoda	C	C	C	C	D	C		C	C	C	C	C	C
Marina orcuttii var. orcuttii	B	B	A	B	B	A		C	C	B	B	C	B
Matlea parvifolia	B	B	A	B	B	A		B	B	A	B	B	A
Mimulus exiguus	C	B	A	C	D	A		C	B	B	C	D	B
Mimulus purpureus	C	B	A	C	D	A		C	B	B	C	D	B
Oxytheca emarginata	B	B	A	B	B	A		B	B	A	B	B	A
Oxytheca parishii var. abramsii	B	B	B	B	C	B		B	B	B	B	C	B
Oxytheca parishii var. goodmaniana	C	B	B	C	C	B		C	B	B	C	C	B
Packera bernardina	B	B	A	B	C	A		C	C	B	C	D	B
Packera ganderi	B	B	B	A	C	A		B	B	B	B	B	B
Parnassia cirrata	B	A	A	A	C	A		B	A	A	A	C	A
Penstemon californicus	B	B	A	B	C	A		C	C	C	C	C	C
Pentachaeta exilis ssp. aeolica	C	C	B	C	C	B		D	D	D	D	D	D
Phacelia exilis	B	B	A	B	C	A		C	B	B	B	C	B
Phacelia mohavensis	B	B	A	B	C	A		C	B	B	B	C	B
Phlox dolichantha	B	A	A	B	C	A		C	B	B	C	D	B
Piperia leptopetala	B	B	B	B	C	B		B	B	B	B	C	B
Poa atropurpurea	C	B	B	C	C	A		C	C	C	C	C	B
Podistera nevadensis	B	B	A	A	C	A		B	B	A	A	C	A
Pyrrocoma uniflora var. gossypina	B	B	A	C	C	A		C	C	B	C	C	B
Sanicula maritima	D	E	E	E	E	E		C	C	C	C	C	C
Sedum niveum	B	B	A	B	C	A		B	B	B	B	B	B
Sibaropsis hammittii	B	B	A	B	C	A		B	B	A	B	C	A
Sidalcea hickmanii ssp. hickmanii	C	C	C	C	D	B		C	C	C	C	D	B

Viability Outcome Statements By Alternative For Plant Species-At-Risk													
Species	National Forest Service Land							All Land					
	1	2	3	4	5	6		1	2	3	4	5	6
Sidalcea hickmanii ssp. parishii	C	C	C	C	D	B		C	C	C	C	D	B
Sidalcea pedata	B	B	A	B	C	A		D	D	D	D	D	D
Stylocline masonii	C	C	C	C	D	C		D	D	D	D	D	D
Taraxacum californicum	C	B	B	C	C	B		C	C	C	C	C	C
Thelypodium stenopetalum	B	B	A	B	C	A		C	C	B	C	D	B
Thermopsis macrophylla	B	B	B	B	C	B		C	C	C	C	C	B

Table-369-Animal Species Evaluated for Viability Concerns List (Species of Concern)

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
arboreal salamander	Amphib	y	y	y	y			G5		S4	2	4
arroyo toad	Amphib	y	y	y	y	FE	SSC	G2/3		S2/3	1.3	6
California (Pacific) giant salamander	Amphib			y				G3		S5	1.3	4
California red-legged frog	Amphib	y	h/p	y	h/p	FT	SSC	G4	T2/3	S2/3	1.3	5
California tiger salamander	Amphib					FE - C	SSC	G2/3		S2/3	17.1	1
coast range newt	Amphib	y	y	y	p		SSC	G5	T?	S3	1.3	5
foothill yellow-legged frog	Amphib	h		y		S	SSC	G3		S2/3	1.3	4
large-blotched ensatina salamander	Amphib		y		y	S	SSC	G5	T2/3	S2/3	4	4
Monterey ensatina salamander	Amphib	y	y	y	y			G5	T4	S?	2	3
mountain yellow-legged frog	Amphib	y	h		y	FE	SSC	G2/3		S2	1.3	5
San Gabriel Mtn. slender salamander	Amphib	y			y	S		G1		S1	4	4
Tehachapi slender salamander	Amphib	p		p		S	CT	G2		S2	4	2
western spadefoot	Amphib	p	y	y	y		SSC	G3		S3?	17	5
yellow-blotched ensatina salamander	Amphib	p		y	y	S	SSC	G5	T2/3	S2/3	4	3
American dipper	Bird	y	h/p	y	y			G5		S5	1.2	5
American peregrine falcon	Bird	y	y	y	y	S	CE	G4	T3	S2	16.1	4
American pipit (water pipit)	Bird	w	w	w	y/w			G5		S2	7	4
bald eagle	Bird	w	w	w	y	FT	CE	G4		S2	14	5
band-tailed pigeon	Bird	y	y	y	y			G4		S?	4	3
Bell's sage sparrow	Bird	y	y	y	y		SSC	G5	T2/4	S2?	3	3
Bendire's thrasher	Bird				y		SSC	G4/5		S3	18	1
black swift	Bird	y	p	p	y		SSC	G4		S2	1	5
burrowing owl	Bird		p	p	p		SSC	G4		S2	19	4
California brown pelican	Bird			y		FE	CE	G4	T3	S1/2	6	4
California condor	Bird	h	h	y	y	FE	CE	G1		S1	16.1	5
California gnatcatcher	Bird		y		p	FT	SSC	G3		S2	3.1	5

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
California least tern	Bird			p		FE		G4	T2/3	S2/3	6	4
California quail	Bird	y	y	y	y			G5		S5	16	3
California spotted owl	Bird	y	y	y	y	S	SSC	G3	T3	S3	4	5
calliope hummingbird	Bird	y	p	y	y			G5		S4	13	5
Cassin's vireo (solitary)	Bird	y	y	y	y			G5		S?	4	3
chukar	Bird	p	p	y	y			G5		S?	8	4
coastal cactus wren	Bird	y	p		h/p	S	SSC	G5	T2?Q	S2?	3.1	4
common nighthawk	Bird	y			y			G5		S3	8	3
common yellowthroat	Bird	y	y	y	y			G5		S3	1.1	5
Cooper's hawk	Bird	y	y	y	y		SSC	G5		S3	1	3
flammulated owl	Bird	y	y	y	y			G4		S?	5.1	5
golden eagle	Bird	y	y	y	y		SSC	G5		S3	16.1	5
gray flycatcher	Bird	p			y			G5		S5	8	4
gray vireo	Bird	y	y		y		SSC	G4		S2	8	4
hepatic tanager	Bird				y		SSC	G5		S1	8	4
hermit thrush	Bird	y	w	y	y			G5		S5	5.3	4
Lawrence's goldfinch	Bird	y	y	y	y			G3/4		S3	1.1	3
Le Conte's thrasher	Bird	p		p	y		SSC	G3		S3	18	2
least Bell's vireo	Bird	p	y	y	p	FE	CE	G5	T2/3	S2	1.1	5
Lincoln's sparrow	Bird	y	w	y	y			G5		S?	13	5
loggerhead shrike	Bird	y	y	y	y		SSC	G4		S4	19	4
long-eared owl	Bird	y	y	y	y		SSC	G5		S3	2	5
Macgillivray's warbler	Bird	y	t	p	y			G5		S?	13.1	5
marbled murrelet	Bird			y		FT	CE	G3		S1	4	2
Mount Pinos blue grouse	Bird			h/p				G4	TU	S?	5.3	4
mountain plover	Bird					PT		G2		S1/2	17	1
mountain quail	Bird	y	y	y	y			G5		S?	16	3
mourning dove	Bird	y	y	y	y			G5		S?	16	3

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
Nashville warbler	Bird	y	y	y	y			G5		S?	4	4
northern goshawk	Bird	y	t	y	y	S	SSC	G5		S3	5	4
northern pygmy owl	Bird	y	y	y	y			G5		S?	4	4
northern saw-whet owl	Bird	y	y	y	y			G5		S?	5	4
olive-sided flycatcher	Bird	y	y	y	y			G4		S4	5.2	3
osprey	Bird	y	y	y	y		SSC	G5		S3	14	4
pinyon jay	Bird	p		y	y			G5		S5	8	4
Plumbeus vireo (solitary)	Bird	y			y			G5		S?	8	4
prairie falcon	Bird	y	y	y	y		SSC	G5		S3	16.1	5
purple martin	Bird	y	y	y	y		SSC	G5		S3	4	5
sharp-shinned hawk	Bird	y	y	y	y		SSC	G5		S3	5	4
Southern California rufous-crowned sparrow	Bird	y	y	y	y		SSC	G5	T2/4	S2/3	3.1	3
southern white-headed woodpecker	Bird	y	y	y	y			G5	T2/4	S2/3	5	3
southwestern willow flycatcher	Bird	y	y	y	y	FE		G5	T1/2	S1	1.1	5
summer tanager	Bird	y	t		t		SSC	G5		S2	18	4
Swainson's hawk	Bird	p	t	p	t	S	CT	G4		S2	19	2
Swainson's thrush	Bird	y	y	y	y			G5		S4	1.1	6
tree swallow	Bird	y	y	y	y			G5		S5	1	4
turkey vulture	Bird	y	y	y	y			G5		S5	16	5
Vauxs swift	Bird	t			t			G5		S3	4	1
Virginia's warbler	Bird	y	t	t	y		SSC	G5		S2/3	5	4
warbling vireo	Bird	y	y	y	y			G5		S4	1	4
western screech owl	Bird	y	y	y	y			G5		S?	2	3
western snowy plover	Bird			y		FT	SSC	G4	T3	S2	6	5
wild turkey	Bird	y	y	y	y			G5		S?	4	4
Williamson's sapsucker	Bird	y		y	y			G5		S3	5.3	4
Wilson's warbler	Bird	y	y	y	y			G5		S?	1.2	5
yellow warbler	Bird	y	y	y	y		SSC	G5	T3?	S2	1.1	3

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
yellow-billed cuckoo	Bird			p		S	CE	G5	T3	S1	1.1	1
yellow-billed magpie	Bird			y				G5		S5	2	4
yellow-breasted chat	Bird	y	y	y	y		SSC	G5		S3	1.1	5
zone-tailed hawk	Bird		y		y			G4		NR	8	4
arroyo chub	Fish	y	y	y	y	S	SSC	G2		S2	1.3	5
Mohave tui chub (hybrid pop on forest)	Fish					FE	CE	G4	T1	S1	1.3	1
Pacific lamprey	Fish		h/p	y				G5		S?	1.3	5
partially armored threespine stickleback	Fish	y	y	y	y	S		G5			1.3	5
rainbow trout	Fish	y	y	y	y			G5		S5	1.3	3
Santa Ana speckled dace	Fish	y	y	y	y	S	SSC	G5	T1	S1	1.3	5
Santa Ana sucker	Fish	y	h	y	h/p	FT	SSC	G1		S1	1.3	5
southern steelhead (southern esu)	Fish	h	Y		h	FE	SSC	G5		S2	1.3	5
southern steelhead (south-central esu)	Fish			y		FE	SSC	G5		S2	1.3	5
tidewater goby	Fish			p		FE	SSC	G3		S2/3	1.3	1
unarmored 3 spine Shay Creek stickleback	Fish				y	FE		G5	T1	S1	1.3	4
unarmored 3-spine stickleback	Fish	y				FE	CE	G5	T1	S1	1.3	5
Andrew's marble butterfly	Invert				y			G3/4	T1	S1	5	4
August checkerspot butterfly	Invert				y			G5	T3/4	?	5	4
bicolor rainbeetle	Invert				y			?		?	5.1	4
bright blue copper butterfly	Invert			y				G5	T1/2	?	8	2
California diplectronan caddisfly	Invert	y			y			G1/3		S1/3	1.3	5
Clemence's silverspot butterfly	Invert			y				G1/2	T1/2	S?	3	4
conservancy fairy shrimp	Invert					FE		G1		S1	15	4
Dammer's blue butterfly	Invert				y			G5	?	?	8	4
Dammer's blue butterfly Arrastre Creek blue butterfly (near *dammersi* ssp.) found in Dammer's blue butterfly account	Invert				y			G5	?	?	5	4

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
Dammer's blue butterfly Baldwin Lake blue butterfly (near *dammersi* ssp.) found in Dammer's blue butterfly account	Invert				y			G5	?	?	11	5
desert monkey grasshopper	Invert				y			G1/2		S1/2	8	5
Dorhn's elegant eucnemid beetle	Invert	y			y			GH		SH	5.1	4
Doudoroff's elfin butterlfy	Invert			y				G4	T1/2	?	4	4
Erlich's checkerspot butterfly	Invert				y			G5	T1	?	11	5
greenest tiger beetle	Invert				p			G5	T1	S1	1.1	2
Harbison's dun skipper	Invert		y					G5	T1	S1	1	5
Hermes copper butterfly	Invert		y					G1/2		S1/2	3	5
Laguna Mountains skipper	Invert		y			FE		G5	T1	S1	13	5
longhorn fairy shrimp	Invert			p		FE		G1		S1	15	2
Pratt's blue butterfly	Invert				y			G5	T1/2	?	3	4
Quino checkerspot butterfly	Invert	p	h/p		p	FE		G5	T1	S1	3	5
San Bernardino Mts silk moth	Invert				y			G1/2		S1/2	8	4
San Diego fairy shrimp	Invert		p			FE		G1		S1	15	1
San Emigdio blue butterfly	Invert	p		y				G2/3		S2/3	8	4
San Gabriel Mountains elfin	Invert	y			y			G3/4	T1/2	S1/2	4	5
San Gabriel Mts. greenish blue	Invert	p						G5	T1	S1	13	2
Smith's blue butterfly	Invert			y		FE		G5	T1/2	S1/2	3.1	4
Thorne's hairstreak butterfly	Invert		p					G1		S1	9	2
vernal blue butterfly	Invert				y			G2/3	T1	?	11	5
vernal pool fairy shrimp	Invert		p	p		FT		G2/3		S2/3	15	4
American badger	Mammal	p	y	y	y		CR	G5		S4	16	6
black bear	Mammal	y		y	y			G5		S5	16	3
California chipmunk	Mammal				y			G4		S3/4	16	4
California leaf-nosed bat	Mammal		p		p	S	SSC	G4		S2/3	18	2
Coachella Valley round-tailed ground squirrel	Mammal				p	C		G5	T1/2	S1/2	18	1

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
fringed myotis	Mammal	y	y	y	y			G4/5		S4	5	4
giant kangaroo rat	Mammal			p		FE	CE	G2		S2	17.2	2
golden-mantled ground squirrel	Mammal				y			G5	T1	S1	5	4
lodgepole chipmunk	Mammal	y			y			G5	T3?	S3?	5.3	4
long-eared myotis	Mammal	y	y	y	y			G5		S4?	5	4
long-legged myotis	Mammal	y	y	y	y			G5		S4?	5	4
Los Angeles pocket mouse	Mammal	p			p	S	SSC	G5	T1?	S1?	17.1	2
Mohave ground squirrel	Mammal	p			p		CT	G2?		S2?	18	2
Monterey dusky-footed woodrat	Mammal			y			SSC	G5	T3?	S3?	4	4
Mount Pinos lodgepole chipmunk	Mammal			y		S		G4	T1/3	S1/3	5.3	4
mountain lion	Mammal	y	y	y	y			G5		S5	16	6
mule deer	Mammal	y	y	y	y			G5		S5	16	3
Nelson’s bighorn sheep	Mammal	y		y	y			G4	T4	S3	16	5
pallid bat	Mammal	y	y	y	y	S	SSC	G4	T4	S2/3	16.2	4
Peninsular bighorn sheep	Mammal				y	FE	CT	G4	T4	S1	8	5
Porcupine	Mammal	h/p			y			G5		S3/4	5	4
ringtail	Mammal	y	y	y	y			G5		S3/4	1	3
San Bernardino dusky shrew	Mammal	y			y			G5	?	?	1.2	3
San Bernardino flying squirrel	Mammal				y	S	SSC	G5	T3?	S3?	5	5
San Bernardino kangaroo rat	Mammal	p			y	FE	SSC	G5	T1	S1	17.3	5
San Bernardino white-eared pocket mouse	Mammal	p			h/p	S	SSC	G1/2	TH	SH	5.1	4
San Diego blk-tailed jackrabbit	Mammal	h/p	p		y		SSC	G5	T3	S3?	17.1	4
San Diego desert woodrat	Mammal	y	y	y	y		SSC	G5	T3?	S3?	8	4
San Diego pocket mouse	Mammal	y	y		y		SSC	G5	T3	S2/3	3	4
San Joaquin antelope squirrel	Mammal			p			CT	G2		S2	17.2	2
San Joaquin kit fox	Mammal			t		FE	CT	G4	T2/3	S2/3	17.2	2
southern sea otter	Mammal			y		FT		G4	T2	S2	6	4
spotted bat	Mammal	y	y	y	y		SSC	G4		S2/3	16.1	4

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
Stellar's sea lion	Mammal			y		FT		G3		S2	6	4
Stephens' kangaroo rat	Mammal		y		p	FE	CT	G2		S2	17.1	4
Tehachapi white-eared pocket mouse	Mammal	h/p		y		S	SSC	G1/2	T1/2	S1/2	8	4
Townsend's big-eared bat	Mammal	y	y	y	y	S	SSC	G4	T3/4	S2/3	16.2	5
tule elk	Mammal			y				G5	T3	S?	15	4
western mastiff bat	Mammal	y	y	y	y		SSC	G5		S3?	16.1	3
western red bat	Mammal		y	y	p	S	SSC	G5		S?	1	4
western small-footed myotis	Mammal	y	y	y	y			G5		S?	16.2	3
western spotted skunk	Mammal	y	y	y	y		SSC	G5			16	3
wild burro	Mammal				y						8	4
wild horse	Mammal			y							2	4
wild pig	Mammal	p		y	y			G5		S?	16	3
Yuma myotis	Mammal	y	y	y	y			G5		S4?	16.2	4
Belding's orange-throated whiptail	Reptile		y		y		SSC	G5	T2	S2	3.1	5
blunt-nosed leopard lizard	Reptile			p		FE	CE	G1		S1	17.2	1
California horned lizard (coast)	Reptile	y		y		S	SSC	G4	T3/4	S3/4	3	3
California legless lizard	Reptile	y	y	y	y	S	SSC	G3/4	T2/4Q	S2/3	16	4
coast mountain kingsnake	Reptile	y		y			SSC	G4/5			5	3
coast patch-nosed snake	Reptile	y	y	y	y		SSC	G5	G3	S2/3	3	3
coastal rosy boa	Reptile	y	y		y	S		G4/5		S3/4	3	3
Coronado skink	Reptile		y		y		SSC	G5	T2/3Q	S1/2	16	4
desert tortoise	Reptile	p			p	FT	CT	G4		S2	18	4
mountain garter snake	Reptile				y			G5			5	5
red diamond rattlesnake	Reptile		y		y		SSC	G4		S3	3	3
San Bernardino mountain kingsnake	Reptile	y			y	S	SSC	G4/5	T2/3	S2?	5	3
San Bernardino ringneck snake	Reptile	y	p		y	S		G5	T2/3	S2?	16	3
San Diego Horned Lizard	Reptile	y	y	y	y	S	SSC	G4		S3/4	16	3
San Diego mountain kingsnake	Reptile		y			S	SSC	G4/5	T1/2	S1/2	5	4

Animal Species Evaluated for Viability Concerns List (Species of Concern)												
Common Name	Taxon	ANF	CNF	LPNF	SBNF	Fed Status	CA Status	Global rank	Subspecies rank	State rank	Hab Grp	FS Threat Cat
San Diego ringneck snake	Reptile		y		y	S		G5	T2/3	S2?	16	3
small-scaled lizard	Reptile		p					G5		S3	8	2
south coast red-sided garter snake	Reptile		p	p	p			G5	T1/2	S1/2	1.1	5
southern rubber boa	Reptile				y	S	CT	G5	T2/3	S2/3	5.1	5
southern sagebrush lizard	Reptile	y	y	y	y			G5			5	4
southwestern pond turtle	Reptile	y	y	y	y	S	SSC	G3/4	T2/3Q	S2	1.1	5
two-striped garter snake	Reptile	y	y	y	y	S	SSC	G2/3		S2	1.3	4
western sagebrush lizard	Reptile			y				G5			4	4
Total 197												

Table-370-Animal Species at Risk List

Animal Species at Risk List							
Species	Forest Distribution	Taxon	Fed Status	Heritage Rank	Habitat Group	Threats	Threat Category
arroyo toad	A, C, L, S	Amphib	FE	G2/3 S2/3	1.3	Diversion or groundwater extraction, recreational collecting and damage to eggs, roads + crossings, camp-grounds, non-native plants, unauthorized OHV, grazing and suction dredging / prospecting.	6
Swainson's thrush	A, C, L, S	Bird		G5 S4	1.1	Intensive recreation use, wildfire, grazing, OHVs, roads and water diversion.	6
American badger	Pa, C, L, S	Mammal		G5 S4	16	Acres of acquisition and linkage emphasis	6
mountain lion	A, C, L, S	Mammal		G5 S5	16	linkages, deer and sheep management (road densities and prescribed fire).	6
California red-legged frog	A, L	Amphib	FT	G4 T2/3 S2/3	1.3	Grazing, water diversion/extraction, campgrounds and roads, waterplay, disease spread from surveys.	5
coast range newt	A, C, L, Ps	Amphib		T5 T? S3	1.3	Groundwater extraction, water diversion or pollution, recreation and roads in riparian, water releases.	5
mountain yellow-legged frog	A, S	Amphib	FE	G2/3 S3	1.3	Recreation use in streams, waterplay, roads and trails, water diversion or extraction, recreation facilities and small scale mining and prospecting.	5
western spadefoot	pA, C, L, S	Amphib		G3 S3?	17	Roads, lack of connectivity to valley open space, hydrologic changes	5
American dipper	A, pC, L, S	Bird		G5 S5	1.2	High levels of summer recreation use on major rivers.	5
bald eagle	S	Bird	FT	G4 S2	14	Recreational use, OHV use, wildfire	5
black swift	A, pC, pL, S	Bird		G4 S2	1	Waterfall related recreation	5
California condor	A, L, S	Bird	FE	G1 S1	16.1	Communication and Utility facilities, harassment at cliffs, lead, shooting	5
California gnatcatcher	C, pL, pS	Bird	FT	G3 S2	3.1	fire suppression, fragmentation, grazing	5
California spotted owl	A, C, L, S	Bird	S	G3 T3 S3	4	Wildfire and Fuels treatment, ski area expansion	5
calliope hummingbird	A, pC, L, S	Bird		G5 S4	13	Recreation and other meadow disturbance	5

Animal Species at Risk List							
Species	Forest Distribution	Taxon	Fed Status	Heritage Rank	Habitat Group	Threats	Threat Category
common yellowthroat	A, C, L, S	Bird		G5 S3	1.1	dewatering, recreation use, grazing	5
flammulated owl	A, C, L, S	Bird		G4 S?	5.1	Lack of natural fire return intervals in conifer standsis being reversed in all alternatives.	5
golden eagle	A, C, L, S	Bird		G5 S3	16.1	Development of valleys and human use of cliffs for climbing, shooting and lead	5
least Bell's vireo	pA, C, L, S	Bird	FE	G5 T2/3 S2	1.1	grazing, special uses, recreation	5
Lincoln's sparrow	A, L, S	Bird		G5 S?	13	Wet meadow activities	5
long-eared owl	A, C, L, S	Bird		G5 S3	2	Riparian and oak woodland degradation from activities and recreation use.	5
Macgillivray's warbler	A, C, pL, S	Bird		G5 S?	13.1	Wet meadow and riparian activities	5
prairie falcon	A, C, L, S	Bird		G5 S3	16.1	Cliff climbing recreation.	5
purple martin	A, C, L, S	Bird		G5 S3	4	Loss of bigcone fir to wildfire, loss of large snags to fuelwood harvest and fuels mgmt.	5
southwestern willow flycatcher	A, C, L, S	Bird	FE	G5 T1/2 S1	1.1	Intensive recreation use, wildfire, grazing, special uses, OHVs, roads, water diversion	5
turkey vulture	A, C, L, S	Bird		G5 S5	16	Harassment at nesting locations. Climbing at cliffs, shooting and lead.	5
western snowy plover	pL	Bird	FT	G4 T3 S2	6	Dispersed recreation	5
Wilson's warbler	A, C, L, S	Bird		G5 S?	1.2	Intensive recreation use, wildfire, grazing, OHVs, roads and water diversion.	5
yellow-breasted chat	A, C, L, S	Bird		G5 S3	1.1	dewatering, recreation use, grazing	5
arroyo chub	A, C, L, S	Fish	S	SG2 S2	1.3	Riparian analysis will include any activities in or adjacent to streams. Especially roads, SUP water uses - diversions & extractions and recreation facilities.	5
Pacific lamprey	pC, L	Fish		G5 S?	1.3	Riparian analysis will include any activities in or adjacent to streams. Especially roads, SUP water uses - diversions & extractions.	5

Animal Species at Risk List							
Species	Forest Distribution	Taxon	Fed Status	Heritage Rank	Habitat Group	Threats	Threat Category
partially armored threespine stickleback	A, C, L, S	Fish	S	G5	1.3	Riparian analysis will include any activities in or adjacent to streams. Especially roads, SUP water uses - diversions & extractions.	5
Santa Ana speckled dace	A, C, L, S	Fish	S	G5 T1 S1	1.3	Riparian analysis will include any activities in or adjacent to streams. Especially roads, SUP water uses - diversions & extractions.	5
Santa Ana sucker	A, pC, L, pS	Fish	FT	G1 S1	1.3	Riparian analysis will include any activities in or adjacent to streams. Especially roads, SUP water uses - diversions & extractions and recreation facilities.	5
southern steelhead (southern esu)	C	Fish	FE	G5 S2	1.3	Number of water use SUPs, diversions & FERC projects; miles of roads/trails within 1/4 mi of RCAs; road densities and #s of crossings/stream mi.; type & timing of recreation in RCAs. Acres fuel treatments/5th field HUC; amount of OHV and dispersed and developed recreation within RCA, level of grazing w/in RCA,	5
southern steelhead (south-central esu)	L	Fish	FT	G5 S2	1.3	Number of water use SUPs, diversions & FERC projects; miles of roads/trails within 1/4 mi of RCAs; road densities and #s of crossings/stream mi.; type & timing of recreation in RCAs. Acres fuel treatments/5th field HUC; amount of OHV and dispersed and developed recreation within RCA, level of grazing w/in RCA,	5
unarmored 3-spine stickleback	A, S	Fish	FE	G5 T1 S1	1.3	low population	5
California diplectronan caddisfly	A, S	Invert		?	1.3	water play activities	5
Dammer's blue butterfly Baldwin Lake blue butterfly (near *dammersi* ssp.)	S	Invert		G5 T? S?	11	General threats to pebble plains (illegal OHV, recreation); protected by pebble plains mgmt guide	5
desert monkey grasshopper	S	Invert		G1/3 S1/2	8	Too-frequent fire could affect habitat due to cheatgrass invasion; unauthorized off-road vehicle activity	5
Erlich's checkerspot butterfly	S	Invert		G5	11	Recreation activity in pebble plains; protected by pebble plains mgmt guide	5

Animal Species at Risk List							
Species	Forest Distribution	Taxon	Fed Status	Heritage Rank	Habitat Group	Threats	Threat Category
Harbison's dun skipper	C	Invert		G5 T1 S1	1	Associated with low-elevation springs and seeps, threats could be water withdrawal; grazing could affect larval host plant	5
Hermes copper butterfly	C	Invert		G1/2 S1/2	3	Could be affected by Rx fire or fuel reduction projects in habitat (check for host plant, *Rhamnus crocea*)	5
Laguna Mountains skipper	C	Invert	FE	G5 T1 S1	13	Grazing, recreation activity	5
Quino checkerspot butterfly	C, S	Invert	FE	G5 T1 S1	3	Habitat disturbance that increases non-native grass at expense of larval food plants	5
San Gabriel Mountains elfin	S	Invert		G1/2 S1/2	4	Main threat appears to be from butterfly collectors	5
vernal blue butterfly	S	Invert		G5 T? S?	11	Plant collection; unauthorized insect collection; unauthorized OHV activity; unauthorized grazing	5
Nelson's bighorn sheep	A, L, S	Mammal		G4 T4 S3	16	dispersed recre-ation, low pop-ulation, vegetation management	5
Peninsular bighorn sheep	S	Mammal	FE	G4 T4 S1	8	Grazing management ability, ability to manage recreation use, prescribed fire for resources.	5
San Bernardino flying squirrel	S	Mammal	S	G5 T3? S3?	5	Fuels acres treated for resources and community protection	5
San Bernardino kangaroo rat	S	Mammal	FE	G5 T1 S1	17.3	Ability to enforce SUP requirements, amount of new roads etc. and flood control facilities permitted.	5
Townsend's big-eared bat	A, C, L, S	Mammal	S	G4 T3/4 S2/3	16.2	Activities, including dispersed recreation, around known mines or caves, cliffs, buildings.	5
Belding's orange-throated whiptail	C, S	Reptile		G5 T2 S2	3.1	Fuels management in coastal sage scrub and conversion to annual grassland from fire	5
mountain garter snake	S	Reptile		G5	5	Dewatering, human disturbance in meadows.	5
southern rubber boa	S	Reptile	S	G5 T2/3 S2/3	5.1	Fuels mgmt. and other ground disturbance. Development, roads and motorized trails.	5
southwestern pond turtle	A, C, L, S	Reptile	S	G3/4 T2/3Q S2	1.1	Diversion or groundwater extraction, recreational collecting	5

Table-371-Viability Outcome Statements By Alternative For Vertebrate Animal Species-At-Risk

Viability Outcome Statements By Alternative For Vertebrate Animal Species-At-Risk													
	National Forest System Land							All Land					
Species	1	2	3	4	5	6		1	2	3	4	5	6
Arroyo toad	D	C	C	C	D	C		D	C	C	C	D	C
CA red-legged frog	D	D	D	D	D	D		D	D	D	D	D	D
Coast range newt	D	C	C	C	D	C		D	C	C	C	D	C
Mountain yellow-legged frog	E	D	D	D	E	D		D	D	D	D	D	D
Western spadefoot toad	D	C	C	C	D	C		D	D	C	D	D	C
American dipper	D	C	C	C	D	C		D	C	C	C	D	C
Bald eagle (breeding)	B	B	B	B	C	B		C	C	C	C	D	C
Black swift	D	C	C	C	D	C		D	C	C	C	D	C
California condor	B	B	B	B	C	B		C	C	C	C	D	C
California spotted owl	C	C	C	C	D	C		C	C	C	C	D	C
Calliope Hummingbird	D	C	C	C	D	C		D	C	C	C	D	C
Coastal California gnatcatcher	D	C	C	C	D	C		D	D	D	D	D	D
Common yellow-throat	D	C	C	C	D	C		C	C	C	C	C	C
Flammulated Owl	C	C	C	C	D	C		C	C	C	C	D	C
Golden eagle	C	C	B	C	D	B		D	D	C	D	D	C
Least Bell’s vireo	D	C	C	C	D	C		D	D	D	D	D	D
Lincoln’s sparrow	D	C	C	C	D	C		C	C	C	C	D	C
Long-eared owl	C	C	B	B	D	B		D	D	C	D	D	C
McGillvray’s warbler	D	C	C	C	D	C		D	C	C	C	D	C
Prairie falcon	C	C	B	C	D	B		D	D	C	D	D	C
Purple martin	D	C	C	C	D	C		D	C	C	C	D	C
Southwestern willow flycatcher	D	C	C	C	D	C		D	D	D	D	D	D
Swainson’s thrush	D	C	C	C	D	C		C	C	C	C	C	C
Turkey vulture (breeding)	C	C	B	C	D	B		D	D	C	D	D	C
Western snowy plover	C	C	C	C	C	C		D	D	D	D	D	D
Wilson’s warbler	D	C	C	C	D	C		D	C	C	C	D	C
Yellow-breasted chat	D	C	C	C	D	C		C	C	C	C	C	C

Viability Outcome Statements By Alternative For Vertebrate Animal Species-At-Risk													
	National Forest System Land							All Land					
Species	1	2	3	4	5	6		1	2	3	4	5	6
Arroyo chub	D	C	C	C	D	C		D	C	C	C	D	C
Pacific lamprey	D	D	D	D	D	D		D	D	D	D	D	D
Partially armoured three-spined stickleback	D	C	C	C	D	C		D	C	C	C	D	D
Santa Ana speckled dace	D	C	C	C	D	C		D	C	C	C	D	C
Santa Ana sucker	D	D	D	D	E	D		D	D	D	D	D	D
Southern steelhead, southern esu	D	D	D	D	D	D		D	D	D	D	D	D
Southern steelhead, south-central esu	D	D	D	D	D	D		D	D	D	D	D	D
Unarmored three-spined stickleback	D	D	D	D	E	D		D	D	D	D	D	D
American badger	C	C	B	C	D	B		D	D	C	D	D	C
Mountain lion	C	C	B	C	D	B		D	D	C	D	D	C
Nelson’s bighorn sheep	C	C	C	C	C	B		C	C	C	C	C	B
Peninsular bighorn sheep	C	C	B	C	D	B		C	C	C	C	C	C
San Bernardino flying squirrel	D	C	C	C	D	C		D	C	C	C	D	C
San Bernardino kangaroo rat	C	C	C	D	D	C		D	D	D	D	D	D
Townsend’s big-eared bat	B	B	B	B	C	B		C	C	C	C	D	C
Belding’s orange-throated whiptail	C	C	B	C	D	B		C	C	C	C	C	C
Mountain garter snake	C	C	C	C	D	C		D	C	C	C	D	C
Southern rubber boa	B	B	B	B, C in SJ	C, D in SJ	B		C	C	C	C, D	D, D	C
Southwestern pond turtle	D	C	C	C	D	C		D	D	C	D	D	C

Table-372-Viability Outcome Statements By Alternative For Invertebrate Animal Species-At-Risk

Species	NFS Land						All Land					
	1	2	3	4	5	6	1	2	3	4	5	6
Baldwin Lake blue butterfly, *Euphilotes enoptes ssp*. near *dammersi*	B	A	A	B	C	A	B	A	A	B	C	A
California deplectronan caddisfly, *Diplectrona californica*	E	E	E	E	E	E	E	E	E	E	E	E
Desert monkey grasshopper, *Psychomastix deserticola*	B	B	B	B	C	B	B	B	B	B	C	B
Ehrlich's checkerspot, *Euphydryas editha ehrlichi*	B	B	B	B	C	A	B	B	B	B	C	A
Harbison's dun skipper, *Euphyes vestris harbisoni*	B	B	A	B	C	A	C	C	B	C	D	B
Hermes copper butterfly, *Lycaena hermes*	C	B	B	B	C	B	C	C	C	C	C	C
Laguna Mountains skipper, *Pyrgus ruralis lagunae*	C	C	B	C	D	B	C	C	B	C	D	B
Quino checkerspot, *Euphydryas editha quino*	B	B	B	B	C	A	C	C	C	C	C	C
San Gabriel Mountains elfin, *Incisalia mossii hidakupa*	B	B	A	B	B	A	B	B	A	B	B	A
Vernal or Coxey blue butterfly, *Euphilotes baueri [battoides] vernalis*	B	B	B	B	C	A	B	B	B	B	C	A

Table-373-Summary of Animal Threats by Vegetation Group

Summary of Animal Threats by Vegetation Group																														
Habitat Group No.	1	1.1	1.2	1.3	2	3	3.1	4	5	5.1	5.2	5.3	6	7	8	9	11	13	13.1	14	15	16	16.1	16.2	17	17.1	17.2	17.3	18	19
No. of Species (196)	7	10	4	19	6	10	5	17	18	5	1	5	5	1	18	1	2	5	1	2	5	17	6	4	2	4	4	2	7	3
Hydrology Impound			1	10										1				2	1			2	1	1		1		1	1	
Hydrology Diversion		1	1	14				1		1				1				3	1		1	2	1			1		1	1	
Recreation	2	2	2	3			2	1	4			1	2	1	1			3	1	2		1	4		1	2			1	
Grazing		2	1	2		1								1	1			3	1			1	1			1	1		1	
Water Quality			1	3									1	1												1				
Erosion														1																
Logging	2		1	1	3			6	5	1				1						1										
Habitat Conversion	2	3		2	3	4	2	2	3			1	2		2					1		5	2		1	2	4	1	4	2
Pesticides	2				1	1			2				1									2	3	1			3		1	2
Illegal Hunting																							2							1
Illegal Collection				1		1		1	3														2							
No Known Threats		1	1	1				2	3			1			2							1				1			3	1
Nonnative Species		1		8		2	2		1				1		2			1			1	1			1	1				
Hybridization				2																							1			
Electric/Communication Lines																				1			2							
More Data Needed	4	5		6	1	6	3	9	6	3		2	1		12	1	1	4	1		1	4	2	1	1	1	2	2	1	
Depleted Food Sources							1						2										1							
Predation		1		1			1						2		1							1				1				
Large Late-Season Storms								1																						
Light Polution						1																								
Lost Riparian Habitat	3	6	1	2														1	1											
Lost Vernal Pools																					4				1					
Fire	1	1		1	1	2	3	1	7	1		3	1		4	1		1				2				1				
Mining				2				1	3						1								2	3				1	1	
Nest Parasitism	1	5	1				1	1					1		2															

Summary of Animal Threats by Vegetation Group																														
Habitat Group No.	1	1.1	1.2	1.3	2	3	3.1	4	5	5.1	5.2	5.3	6	7	8	9	11	13	13.1	14	15	16	16.1	16.2	17	17.1	17.2	17.3	18	19
No. of Species (196)	7	10	4	19	6	10	5	17	18	5	1	5	5	1	18	1	2	5	1	2	5	17	6	4	2	4	4	2	7	3
Depredation																						1								
Air Pollution															1															
Entanglement In Fishing Gear													1																	
Unclear													1				1													

Table-374-Summary of Plant Threats by Vegetation Group

Summary of Plant Threats by Vegetation Group																														
Habitat Group No.	1	1.1	1.2	1.3	2	3	3.1	4	5	5.1	5.2	5.3	6	7	8	9	11	13	13.1	14	15	16	16.1	16.2	17	17.1	17.2	17.3	18	19
No. of Species (196)	7	10	4	19	6	10	5	17	18	5	1	5	5	1	18	1	2	5	1	2	5	17	6	4	2	4	4	2	7	3
Hydrology Impound			1	10										1				2	1			2	1	1		1		1	1	
Hydrology Diversion		1	1	14				1		1				1				3	1		1	2	1			1		1	1	
Recreation	2	2	2	3			2	1	4			1	2	1	1			3	1	2		1	4		1	2			1	
Grazing		2	1	2		1								1	1			3	1			1	1			1	1		1	
Water Quality			1	3									1	1												1				
Erosion														1																
Logging	2		1	1	3			6	5	1				1						1										
Habitat Conversion	2	3		2	3	4	2	2	3			1	2		2					1		5	2		1	2	4	1	4	2
Pesticides	2				1	1			2				1									2	3	1			3		1	2
Illegal Hunting																							2							1
Illegal Collection				1		1		1	3														2							
No Known Threats		1	1	1				2	3			1			2							1				1			3	1
Nonnative Species		1		8		2	2		1				1		2			1			1	1			1	1				
Hybridization				2																							1			
Electric/Communication Lines																				1			2							

Summary of Plant Threats by Vegetation Group																														
Habitat Group No.	1	1.1	1.2	1.3	2	3	3.1	4	5	5.1	5.2	5.3	6	7	8	9	11	13	13.1	14	15	16	16.1	16.2	17	17.1	17.2	17.3	18	19
No. of Species (196)	7	10	4	19	6	10	5	17	18	5	1	5	5	1	18	1	2	5	1	2	5	17	6	4	2	4	4	2	7	3
More Data Needed	4	5		6	1	6	3	9	6	3		2	1		12	1	1	4	1		1	4	2	1	1	1	2	2	1	
Depleted Food Sources							1						2										1							
Predation		1		1			1						2		1							1				1				
Large Late-Season Storms								1																						
Light Polution						1																								
Lost Riparian Habitat	3	6	1	2														1	1											
Lost Vernal Pools																					4				1					
Fire	1	1		1	1	2	3	1	7	1		3	1		4	1		1				2				1				
Mining				2				1	3						1								2	3				1	1	
Nest Parasitism	1	5	1				1	1					1		2															
Depredation																						1								
Air Pollution															1															
Entanglement In Fishing Gear													1																	
Unclear													1				1													

Table-375-Conservation Emphasis Areas, Priority Opportunities For The Next 3-5 Years

Strategy: Education/Information/Interpretation

Topic	Species Or Habitat (With A Viability Rating Of 5) Identified As Needing The Indicated Conservation Strategies (In Species Accounts)
Importance of riparian and aquatic species and habitat	Arroyo chub, Santa Ana sucker, Santa Ana speckled dace and other native fishes Arroyo toad, California red-legged frog, mountain yellow-legged frog, southwestern pond turtle, coast range newt American dipper, southwestern willow flycatcher Humboldt lily, Yadon's horkelia
Value of vegetation management to species at risk	San Gabriel Mountains elfin butterfly, Quino checkerspot butterfly, vernal blue butterfly Bald eagle, golden eagle, California spotted owl, flammulated owl, long-eared owl, California gnatcatcher
Importance of keeping vehicles on roads	Southern rubber boa, arroyo toad California bedstraw, pebble plains, and carbonate plant species
Importance of keeping foot traffic on wilderness trails	Hutchinson's larkspur, Dudley's lousewort
Habitat fragmentation, species linkages and corridors and biological diversity	American badger, mountain lion, Nelson's bighorn sheep, Peninsular bighorn sheep
Habitat disturbance	Western snowy plover

Strategy: Survey/Inventory/Increase Knowledge Base

Topic	Species or habitat (with a viability rating of 5) identified as needing the indicated Conservation Strategies (in species accounts)
Riparian and Aquatic Species	Arroyo chub, Santa Ana speckled dace, Santa Ana sucker, Pacific lamprey, and other native fishes Aquatic invertebrates California red-legged frog, arroyo toad, mountain yellow-legged frog, southwestern pond turtle, Western spadefoot Southwestern willow flycatcher, Humboldt lily
Species with limited distribution	San Gabriel Mountains elfin butterfly, Quino checkerspot butterfly, Erlich's checkerspot butterfly, vernal blue butterfly, California diplectronan caddisfly
Beach associated species	Western snowy plover
Terrestrial species	San Bernardino kangaroo rat, American badger, San Bernardino flying squirrel (San Jacinto), mountain lion, Nelson's bighorn sheep (San Gabriel), southern rubber boa (San Jacinto)
Upland plants	Hardham's evening primrose, Hutchinson's larkspur, Yadon's horkelia, San Luis Obispo lupine, Abram's oxytheca, hooked popcorn- flower, Adobe sanicle, California bedstraw, Sierra podistera, Parry's tetracoccus, San Bernardino bluegrass, Jaeger's milkvetch, Humboldt lily

Strategy: Habitat Restoration/Improvement

Topic	Species or habitat (with a viability rating of 5) identified as needing the indicated Conservation Strategies (in species accounts)
Streambank stabilization, riparian area plantings	Southern steelhead trout, Pacific lamprey, arroyo chub, Santa Ana speckled dace, and other native fishes Southwestern willow flycatcher
Control of invasive, nonnative species: water loving plant species such as arundo and tamarisk, warm water fish, bullfrogs, and weeds in the upland areas	Santa Ana sucker, partially armored three-spine stickleback, and other native fishes Coast range newt, arroyo toad, southwestern pond turtle
Control of feral animals: domestic sheep and dogs	Peninsular bighorn sheep, Nelson's bighorn sheep
Vegetation and fuel treatments, prescribed burning	Santa Ana sucker, partially armored three-spine stickleback, southern steelhead trout, and other native fishes Quino checkerspot butterfly Purple martin, flammulated owl, California spotted owl Nelson's bighorn sheep, Peninsular bighorn sheep Mountain yellow-legged frog *Santa Lucia malacothamnus*, Santa Ynez false-lupine, Parish's checkerbloom

Strategy: Monitor/Study

Topic	Species or habitat (with a viability rating of 5) identified as needing the indicated Conservation Strategies (in species accounts)
Generally federally listed species: Riparian or aquatic species	Southern steelhead trout, Santa Ana sucker, Santa Ana speckled dace California red-legged frog, mountain yellow-legged frog, arroyo toad Southwestern willow flycatcher, least bell's vireo
Species responsive to vegetation treatments	Laguna Mountains skipper Nelson's bighorn sheep California spotted owl
Species recovery after wildfire (burned area monitoring)	Hermes copper butterfly, Santa Ana speckled dace, mountain yellow-legged frog Parish's checkerbloom California spotted owl
Upland plant species	San Luis Obispo sedge, slender pentachaeta, adobe sanicle, Hickman's checkerbloom, Parish's checkerbloom, Santa Ynez false-lupine, pedate checkermallow, slender-petaled mustard, Pierson's spring beauty, Hammitt's claycress, California bedstraw, California dandelion, Mount Gleason paintbrush, Munz's onion, Gander's ragwort, Laguna Mountains aster, San Gabriel Mountains dudleya, pebble plains and carbonate plant species

Strategy: Habitat Protection

Topic	Species or habitat (with a viability rating of 5) identified as needing the indicated Conservation Strategies (in species accounts)
Proposed Project Planning (e.g. reduce type conversion, minimize additional developments, timing of projects to avoid critical life stages)	All species of concern benefit from sound project planning
Prescribed fire or vegetation treatment	Santa Ana sucker, southern steelhead trout, unarmored three-spine Shay Creek stickleback, Pacific lamprey, Santa Ana speckled dace, arroyo chub, partially armored three-spine stickleback, California red-legged frog Rubber boa, mountain yellow-legged frog, south coast red-sided garter snake, Western spadefoot, mountain garter snake, arroyo toad Southwestern willow flycatcher, long-eared owl, purple martin, California spotted owl, American dipper, calliope hummingbird
Coordination With Other Agencies	Southern steelhead trout, Santa Ana sucker Mountain yellow-legged frog Nelson's bighorn sheep, San Bernardino kangaroo rat, Mountain lion, American badger California condor, California spotted owl Pebble plains and carbonate plant species
Habitat Acquisition	Western spadefoot, southern rubber boa Southwestern willow flycatcher, flammulated owl, long-eared owl, bald eagle, California spotted owl Mountain lion, American badger
Restricted human access during critical life stages (barriers, gates, re-routes, etc.)	Western snowy plover, prairie falcon, golden eagle, bald eagle
Prevent the spread of invasive nonnative species (plant and animal)	Southern steelhead trout, Santa Ana sucker, Santa Ana speckled dace, and other native fishes Arroyo toad, California red-legged frog, mountain yellow-legged frog Southwestern pond turtle, Southwestern willow flycatcher
Fire Prevention and Suppression	Southwestern pond turtle, coast range newt, arroyo toad, mountain yellow-legged frog Vernal blue butterfly, Hermes copper butterfly, Mountain garter snake, Belding's orange-throated whiptail MacGillivray's warbler, Southwestern willow flycatcher, California spotted owl, bald eagle, flammulated owl, California gnatcatcher Peninsular bighorn sheep, American badger, San Bernardino flying squirrel, mountain lion, San Bernardino kangaroo rat
Upland plants	Parish's checkerbloom, adobe sanicle, pedate checkermallow and slender-petaled mustard, Jaeger's milkvetch, San Bernardino Mountains monkeyflower, pebble plains and carbonate plant species

***Additional priority species and habitat to inventory and monitor are species, primarily fairy shrimp, associated with vernal pools (although they did not fit into the viability rating 5 category).*

Table-376-Activities That Can Impact Habitat For 88 Plant Species-At-Risk And The Standards That Address The Threat Producing Activities

Activities that can impact habitat for plant species-at-risk	Standards that address threat producing activities*
Access (Roads, trails, OHVs)	S11, S12, S38
Altered hydrology	S11, S34, S35, S37, S39, S40, S42-S46
Recreation	S11, S12, S18, S38
Grazing	S11, S12, S27, S47, S48, S50
Incomplete knowledge	S12, S12, S24
Invasive nonnative plants	S38, S49, S51, S52
Mining	S11, S32, S33, S38, S53
Small Population Size	S11, S12, S24
Vegetation Management	S11, S12, S38

** Standards are located in the land management plans in Part 3: Design Criteria for the Southern California National Forests*

Table-377-Animal Species Determined To Be At Substantial Risk From Forest Service Activities, The Types Of Threats That Affect Them, And The Standards That Address These Threats

* *Standards are located in the land management plans in Part 3: Design Criteria for the Southern California National Forests*

Animal Species Determined To Be At Substantial Risk From Forest Service Activities, The Types Of Threats That Affect Them, And The Standards That Address These Threats		
Common Name	Threats on NFS land	Standards That Address Threats To Animal Species-At-Risk
All species-at-risk	Ground disturbing activities	S11, S12, S20, S24, S32, S33, S38, S51, S52, S53, S101
Arroyo toad	Diversion or groundwater extraction, road crossings, roads, campgrounds, non-native plants, unauthorized OHV use, livestock and suction dredging and prospecting.	S13, S18, S25, S27, S34, S35, S37, S39, S40, S42-46, S102, S103, S105, S109, S111, S113
Swainson's thrush	Intensive recreation use, wildfire, grazing, OHVs, roads and water diversion	S37, S39
American badger	Urbanization and disruption of linkages to suitable valley habitat	S17
Mountain lion	Loss of connectivity, loss of mule deer and sheep productivity	S17
Townsend's big-eared bat	Disturbance of caves/mines	S15, S18, S31
California red-legged frog	Grazing, water diversion/extraction, campgrounds and roads, water play, disease spread from surveys	S18, S25, S27, S34, S35, S37, S39, S40, S42-46, S48, S102, S103, S105, S109, S111, S113
Coast range newt	Groundwater extraction, water diversion or pollution, recreation and roads in riparian, water releases	S37, S39, S40, S42-46
Mountain yellow-legged frog	Recreation use in streams, water play, roads and trails, water diversion or extraction, recreation facilities and small-scale mining and prospecting	S18, S25, S34, S35, S39, S40, S42-46, S102, S103, S105, S109, S111, S113
Western spadefoot	Roads and lack of connectivity to valley open space, hydrologic changes	S17, S39, S40, S42-46
American dipper	High levels of summer recreation use on major rivers	S39, S42-46
Bald eagle (breeding)	Recreational use, OHV use, wildfire	S18, S25, S29, S39, S103, S106, S109, S111, S113
Black swift	Waterfall related recreation	S39
California condor	Communication and utility facilities, harassment at cliffs, lead, shooting	S15, S18, S25, S29, S107, S109, S111, S113
California gnatcatcher	Fire suppression, fragmentation, grazing	S48, S115

Animal Species Determined To Be At Substantial Risk From Forest Service Activities, The Types Of Threats That Affect Them, And The Standards That Address These Threats		
Common Name	Threats on NFS land	Standards That Address Threats To Animal Species-At-Risk
California spotted owl	Wildfire and fuels treatment, ski area expansion	S14, S14a, S14b, S16, S16a, S16b, S16c, S16d, S18
Calliope hummingbird	Recreation and other meadow disturbance	S39, S48
Common yellowthroat	Dewatering, recreation use, grazing	S39, S48
Flammulated owl	Lack of natural fire return intervals in conifer stands is being reversed in all alternatives	S14, S14a, S14b
Golden eagle	Development of valleys and human use of cliffs for climbing, shooting and lead	S15, S18, S29
Least Bell's vireo	Grazing, special uses, recreation	S18, S25, S27, S102, S103, S105, S109, S111, S113
Lincoln's sparrow	Wet meadow activities	S39
Long-eared owl	Riparian and oak woodland degradation from activities and recreation use	S39
MacGillivray's warbler	Wet meadow and riparian activities	S35, S37, S39
Prairie falcon	Cliff climbing recreation	S15, S29
Purple martin	Loss of big cone fir and large snags to wildfire, fuel wood harvest and fuels mgmt.	S14, S14a, S14b
Southwestern willow flycatcher	Intensive recreation use, wildfire, grazing, special uses, OHVs, roads, water diversion	S13, S25, S27, S35, S37, S40, S48, S102, S103, S105, S109, S111, S113
Turkey vulture (breeding)	Harassment at nesting locations - climbing at cliffs, shooting and lead	S15, S29
Western snowy plover	Dispersed recreation	S25, S103, S109, S111, S113
Wilson's warbler	Intensive recreation use, wildfire, grazing, OHVs, roads and water diversion	S35, S37
Yellow-breasted chat	Dewatering, recreation use, grazing	S39, S47, S48

Animal Species Determined To Be At Substantial Risk From Forest Service Activities, The Types Of Threats That Affect Them, And The Standards That Address These Threats		
Common Name	Threats on NFS land	Standards That Address Threats To Animal Species-At-Risk
Arroyo chub	Isolation, no connectivity with off-forest downstream habitat, channelization, diversions, dewatering, intensive recreation, water play in streams during critical life stages, recreational dam building, hybridization w/Mojave tui chub, and competition & predation by exotic, non-native fish	S18, S35, S37, S39-46
Mojave tui chub hybrid	Recreation, water play and water management	S35, S37, S39-46
Pacific lamprey	Water play, roads, road crossings and trails, water diversion and/or excessive flow releases, campgrounds, suction dredging, small scale mining, and prospecting, oil and gas exploration and development, nonnative plant invasions, nonnative/stocked fish, livestock over-grazing w/in RCA, upstream/downstream mobility restrictions-road fish passage barriers, habitat fragmentation, reduced connectivity with upstream habitat	S35, S37, S39-46, S48
Partially armored three-spine stickleback	Isolation, no connectivity with downstream off-forest habitat, channelization, diversions, dewatering, OHV, roads and trail crossings (SBNF)	S18, S25, S34, S35, S39-46, S102, S105, S109, S111, S113
Santa Ana speckled dace	Isolation, no connectivity with downstream off-forest habitat, channelization, diversions, dewatering, intensive recreation, water play in streams during critical life stages, recreational dam building, suction dredging, trash in streams	S18, S35, S37, S39-46
Santa Ana sucker	Intensive recreation, water play in streams during critical life stages (spawning and egg development), recreational dam building, suction dredging, trash in streams, competition & predation by introduced game fish-brown trout, & exotic, non-native fish-red shiner & green sunfish, hybridization risks, stream flow management downstream of reservoirs (ANF)	S18, S25, S34, S35, S37, S39-46, S102, S109, S111, S113

Animal Species Determined To Be At Substantial Risk From Forest Service Activities, The Types Of Threats That Affect Them, And The Standards That Address These Threats		
Common Name	Threats on NFS land	Standards That Address Threats To Animal Species-At-Risk
Southern and south-central steelhead trout	Water play during critical life stages, roads, road crossings and trails, water diversion and/or excessive flow releases, campgrounds, suction dredging, small scale mining, and prospecting, oil and gas exploration and development, nonnative plant invasions, nonnative/stocked fish, hybridization, livestock over-grazing w/in RCA, upstream/downstream mobility restrictions-road fish passage barriers, habitat fragmentation, loss of connectivity with upstream habitat	S18, S25, S27, S34, S35, S37, S39-46, S48, S102, S103, S105, S109, S111, S113
Unarmored three-spine stickleback	Isolation, no connectivity with downstream habitat, channelization, diversions, dewatering, recreation	S18, S25, S34, S35, S37, S39-46, S102, S105, S109, S111, S113
Baldwin Lake blue butterfly (near *dammersi* ssp.)	General threats to pebble plains (illegal OHV, recreation)	Protected by pebble plains mgmt guide
California *Diplectrona* caddisfly	Water play activities	S39
Desert monkey grasshopper	Too-frequent fire could affect habitat due to cheat grass invasion; unauthorized off-road vehicle activity	Protected by designation of suitable uses (no off road travel) and desired condition statements for vegetation
Erlich's checkerspot butterfly	Recreation activity in pebble plains	Protected by pebble plains mgmt guide
Harbison's dun skipper	Associated with low-elevation springs and seeps, so could be threatened by water withdrawal; grazing could affect larval host plant	S35, S37, S39
Hermes copper butterfly	Could be affected by prescribed fire or fuel reduction projects in habitat that affect host plant, *Rhamnus crocea*	S105, S110
Laguna Mountains skipper	Grazing, recreation activity, small numbers	S18, S25, S27, S103, S105, S109, S110, S111, S113
Quino checkerspot butterfly	Habitat disturbance that increases non-native grass at expense of larval food plants	S18, S25, S102, S103, S105, S109, S110, S111, S113
San Gabriel Mountains elfin	Main threat appears to be from butterfly collectors	S15, S110
Vernal blue butterfly	Plant collection; unauthorized insect collection; unauthorized OHV activity; unauthorized grazing	S110, protected by pebble plains mgmt guide

Animal Species Determined To Be At Substantial Risk From Forest Service Activities, The Types Of Threats That Affect Them, And The Standards That Address These Threats		
Common Name	Threats on NFS land	Standards That Address Threats To Animal Species-At-Risk
Nelson's bighorn sheep	Cobblestone Mountain, lack of fire; San Gabriel Mountains, lack of fire, recreation and ski area expansion, highway reconstruction, Cushenbury, mining.	S18, S27, S104
Peninsular bighorn sheep	Grazing by cattle, lack of fire, feral dogs, hiking in lambing areas	S18, S25, S103, S104, S105, S109, S111, S113
San Bernardino flying squirrel	Wildfire, fuels mgmt., fuel wood removal	S14, S14a, S14b, S16
San Bernardino kangaroo rat	Special use permits, railroad expansion, road and railroad expansion, flood control work	S25, S102, S105, S109, S111, S113
Belding's orange-throated whiptail	Fuels management in coastal sage scrub and conversion to annual grassland from fire	Addressed through desired conditions statements for coastal sage scrub
Mountain garter snake	Dewatering, human disturbance in meadows	S35, S37, S39
South Coast red-sided garter snake	Recreational use and alteration of riparian wetlands, channelization and lack of connection to habitat off-NFS land	S35, S37, S39
Southern rubber boa	Fuels mgmt. and other ground disturbance. Development, roads and motorized trails.	S14, S14a, S14b
Southwestern pond turtle	Diversion or groundwater extraction, recreational collecting	S18, S35, S37, S39, S40, S42-46

Table-378-System Trail Miles by Erosion Hazard Rating

Forest	Very High	High	Moderate	Low	Not Rated
Angeles NF		607.3	17.6		121.3
Cleveland NF	372.4	18.6	6.5		0.9
Los Padres NF	581.5	372.3	5.3	53.8	20.4
San Bernardino NF					
Total	953.9	998.2	29.4	53.8	142.6

Table-379-Developed Recreation Site Occupancy and Estimated Visits - ANF

Site Type	Development Scale	Number of Sites	PAOT Days	Percent Occupancy	Number of Visits
Boating	4	2	261,705	57%	148,332
Family Campground	1	1	5,475	19%	1,019
	2	14	150,255	30%	54,680
	3	26	774,150	34%	279,877
	4	7	810,300	39%	238,684
	5	3	83,575	17%	17,935
Family Picnic	2	6	57,850	30%	20,033
	3	16	212,430	36%	98,728
	4	10	788,400	29	374,355
	5	10	593,125	17%	108,418
Fire Lookout/Cabin Overnight	3	1	1,825	19%	340
Fishing Site	2	1	25,550	57%	14,595
	3	2	13,688	32%	4,329
Group Campground	2	1	18,250	28%	5,140
	3	4	161,000	15%	37,210
	4	2	61,375	31%	27,686
Group Picnic Ground	4	1	73,000	58%	42,600
Information Site	4	1	10,950	83%	9,075
	5	2	21,900	27%	6,291
Interpretive Site Major	4	1	32,865	49%	18,816
	5	3	98,920	27%	30,632
Interpretive Site Minor	4	1	25,550	29%	7,462
Observation Site	3	4	103,295	24%	35,601
	4	3	80,665	30%	35,729
Picnic Site	3	2	44,713	30%	13,073
Playground Park Special Sport Site	4	1	83,220	29%	24,328
Trailhead	2	1	10,950	19%	2,037
	3	4	282,875	31%	116,523
	4	5	300,943	30%	108,839
	5	1	16,425	19%	3,056
Unknown	1	1	9,125	19%	1,698
	2	1	10,950	19%	2,037
Grand Total		138	5,225,299		1,889,158

Table-380-Developed Recreation Site Occupancy and Estimated Visits - CNF

Site Type	Development Scale	Number of Sites	PAOT Days	Percent Occupancy	Number of Visits
Family Campground	3	12	731,205	21%	205,242
	4	1	52,250	25%	16,996
	5	1	169,725	27%	46,593
Family Picnic	3	6	133,225	31%	44,301
Group Campground	3	5	274,480	14%	38,935
	4	1	10,750	16%	2,991
Information Site	3	4	54,750	49%	22,407
Interpretive Site Minor	3	1	12,775	17%	2,111
Observation Site	3	1	10,220	33%	3,354
Trailhead	3	9	430,700	47%	204,005
Wildlife Viewing Site	3	1	0	25%	0
Grand Total		42	1,880,080		586,935

Table-381-Developed Recreation Site Occupancy and Estimated Visits - LPNF

Site Type	Development Scale	Number of Sites	PAOT Days	Percent Occupancy	Number of Visits
Family Campground	1	1	0	0%	0
	2	19	198,194	18%	35,385
	3	40	1,032,370	19%	218,617
	4	13	469,070	27%	142,064
	5	1	93,075	29%	27,043
Family Picnic	3	9	197,230	29%	58,797
	4	4	177,390	32%	55,812
	5	1	328,500	29%	95,445
Group Campground	3	2	96,725	20%	19,398
	4	3	164,250	23%	47,078
Observation Site	3	3	55,845	27%	14,810
	4	2	16,425	34%	5,251
Trailhead	2	3	49,275	31%	15,026
	3	11	625,610	19%	150,408
	4	3	68,255	21%	14,289
	5	1	57,670	34%	19,355
Grand Total		116	3,629,884		918,778

Table-382- Developed Recreation Site Occupancy and Estimated Visits - SBNF

Site Type	Development Scale	Number of Sites	PAOT Days	Percent Occupancy	Number of Visits
Family Campground	1	1	1,325	10%	187
	2	1	10,950	37%	4,020
	3	21	989,005	19%	299,176
	4	1	94,900	22%	20,475
	5	1	112,700	22%	36,846
Family Picnic	3	9	378,125	25%	117,722
	4	4	567,575	29%	146,692
Group Campground	1	1	10,400	21%	3,000
	2	1	13,700	13%	4,690
	3	17	191,600	19%	57,205
Horse Camp	3	3	32,125	18%	9,902
	4	1	29,200	8%	2,337
Information Site	4	1	5,145	18%	1,365
Interpretive Site Minor	3	4	151,270	30%	38,234
	4	2	80,300	26%	19,557
Trailhead	2	1	7,300	24%	1,741
	3	9	487,065	29%	149,138
	4	2	102,200	28%	33,892
Grand Total		80	3,264,885		946,179

Table-420-Special Forest Product Revenue FY2002

	Angeles	Cleveland	Los Padres	San Bernardino
Poles	$100.00	$0.00	$0.00	$0.00
Fuelwood	$12,595.00	$8,360.00	$7,630.00	$45,026.00
Misc. Convertible	$5,445.00	$815.00	$50.00	$2,351.50
Misc. Non-Convertible	$1,691.30	$120.00	$575.00	$4,332.50
Limb/Bough	$20.00	$0.00	$0.00	$0.00
Cones - Dry	$220.00	$0.00	$0.00	$0.00
Seed	$40.00	$34.00	$0.00	$0.00
Mistletoe/SPMS	$1,215.00	$10.00	$50.00	$40.00
Cacti	$0.00	$40.00	$0.00	$0.00
Christmas Trees	$0.00	$0.00	$570.00	$0.00
TOTAL	$21,326.30	$9,379.00	$8,875.00	$51,750.00

Table-421-Summary of current general visitor use by forest

Visits*	Angeles	Cleveland	Los Padres	San Bernardino (estimate)	Forest Totals
National Forest	3,500,000	792,603	1,516,785	2,124,317	7,933,705
Error Rate %	7.3	31.4	27.0	n/a**	-
Site	3,900,000	833,988	1,801,730	2,336,748	8,872,466
Error Rate %	8.2	31.4	26.9	n/a**	-

**National Forest visit - The entry of one person upon a national forest to participate in recreation activities for an unspecified period of time. A national forest visit can be composed of multiple site visits. Site visit - The entry of one person onto a national forest site or area to participate in recreation activities for an unspecified period.*
***n/a - No data is available yet for the San Bernardino National Forest.*

Table-422-Predominant Race/Ethnicity, Gender, and Age of Forest Visitors

Category	Angeles	Cleveland	Los Padres	San Bernardino
Race/Ethnicity - %	White -- 79%	White -- 83.2%	White -- 77%	n/a
Gender - %	Male -- 82%	Male -- 80%	Male -- 71%	n/a
#1 Age Class - %	Under 16 -- 24.5%	31 to 40 -- 24.5%	31 to 40 -- 27%	n/a
#2 Age Class - %	31 to 40 -- 22%	41 to 50 -- 21%	Under 16 -- 22%	n/a

n/a - No data is available yet for the San Bernardino National Forest.

Table-423-Five Most Popular Activities by Forest by Percent Participation

Angeles National Forest	
General/other -- relaxing, hanging out, escaping noise and heat, etc.	38%
Downhill skiing or snowboarding	35%
Viewing wildlife, birds, fish, etc. on NFS lands	31%
Hiking or walking	29%
Picnicking and family day gathering	18%
Cleveland National Forest	
Viewing natural features such as scenery, flowers, etc. on NFS lands	72%
Viewing wildlife, birds, fish, etc. on NFS lands	67%
Driving for pleasure on roads	60%
General/other -- relaxing, hanging out, escaping noise and heat, etc.	60%
Hiking or walking	58%
Los Padres National Forest	
Viewing natural features such as scenery, flowers, etc. on NFS lands	41%
General/other -- relaxing, hanging out, escaping noise and heat, etc.	40%
Hiking or walking	38%
Viewing wildlife, birds, fish, etc. on NFS lands	37%
Picnicking and family day gathering	29%

No information is available yet for the San Bernardino National Forest, which is being surveyed in FY 2003.

Table-425-Primary Purpose of Visit (% participation)

	ANF	CNF	LPNF	SBNF
Hiking	48	60	44	43
Picnic/Barbeque	30	20	36	37
Driving for Pleasure	25	25	25	25
Watching Wildlife	27	26	29	22
Camping	14	11	44	20

Table-426-Visit Characteristics

Characteristic of Visit	ANF	CNF	LPNF	SBNF
Median # of Hours Spent on Forest	4	4	8	5
Median Driving Time to Reach Forest (in minutes)	50	60	90	75
Median Group Size*	3	2	2	3
# Visits Per Year to National Forest	6	6	8	5

**Most groups described themselves as family and friends*

Table-432-Existing Management Indicator Species by National Forest

Existing Management Indicator Species by National Forest				
Birds	ANF	CNF	LPNF	SBNF
Bald eagle		X	X	X
California condor	X		X	X
Peregrine falcon		X	X	X
Least Bell's vireo	X	X	X	X
Spotted owl	X	X	X	X
California quail		X	X	X
Riparian bird assemblage	X	X	X	X
Conifer and oak woodland bird assemblage	X			X
Chaparral bird assemblage	X	X		X
Pinyon/juniper bird assemblage	X			X
Cavity nesters		X	X	X
Turkey		X		
Turkey vulture				X
Northern goshawk				X
Cooper's hawk				X
Sharp-shinned hawk				X
Zone-tailed hawk				X
Long-eared owl				X
Osprey				X
Golden eagle				X
Prairie falcon				X
Yellow-billed cuckoo				X

Existing Management Indicator Species by National Forest				
Birds	ANF	CNF	LPNF	SBNF
Black swift				X
Lewis' woodpecker				X
Willow flycatcher				X
Purple martin				X
Tree swallow				X
Black-tailed gnatcatcher				X
Swainson's thrush				X
Le Conte's thrasher				X
Black-shouldered kite				X
Grey vireo				X
Yellow warbler				X
Wilson's warbler				X
Yellow-breasted chat				X
Hepatic tanager				X
Waterfowl				X
Red-legged frog				X
Reptiles and Amphibians				
Foothill yellow-legged frog				X
Mountain yellow-legged frog				X
Western pond turtle				X
Coast horned lizard				X
Southern rubber boa				X
Mammals				
Bighorn sheep	X			X
Mule deer	X	X	X	X
Gray squirrel			X	X
California leaf-nosed bat				X
Townsend's big-eared bat				X
Northern flying squirrel				X
Los Angeles pocket mouse				X
White-eared pocket mouse				X
Badger				X
Mountain lion				X
Black bear				X
Rabbits				X
Furbearers				X
Stephen's Kangaroo Rat		X		
Fish				
Steelhead trout			X	
Rainbow trout	X	X	X	
Unarmored 3spine stickleback				X
Santa Ana sucker				X
Speckled dace				X

Existing Management Indicator Species by National Forest				
Birds	ANF	CNF	LPNF	SBNF
Mojave tui chub				X
Arroyo chub		X	X	X
Native fish assemblage	X			
Brown trout				X
Largemouth bass				X

Table-433-Southern California Forest Plan Revision - Management Indicator Species

Southern California Forest Plan Revision - Management Indicator Species							
A – Does Measurable Change in Species Abundance Indicate Condition of Biological Community? B - Does Species Indicate Effects of Management Activities at Both the Plan and Project Level?							
Issue	Habitat Type	Proposed MIS	A	B	Sensitivity to Management Activities	Monitoring Method	Measure
Altered fire regime	Pine-dominated conifer forest (fire return intervals too fre-quent to too infer-quent)	Big-cone Douglas-fir	Yes	Yes	One or more planning cycles	FIA	Trend in abundance and demography
		Spotted owl	Yes	Yes	Multiple planning cyles	R5/F&G protocol	Occupied territories
		White fir	Yes	Yes	One planning cycle	FIA	Trend in abundance and demography
		Black oak	Yes	Yes	One or more planning cycles	FIA	Trend in abundance and demography
		Coulter Pine	Yes	Yes	One or more planning cycles	FIA & aerial photomonitoring	Trends in age class distribution
Human presence; ground disturbance including trampling, compaction, mortality, from collision; introduction of undesirable species; alternated flow regimes	Riparian and aquatic habitat	Song sparrow	Yes	Yes	Less than one planning cycle	All forests riparian bird species point counts	Trend in abundance
		Arroyo toad	Yes	Yes	One planning cycle	Monitoring of selected locations	Egg masses

Southern California Forest Plan Revision - Management Indicator Species							
A – Does Measurable Change in Species Abundance Indicate Condition of Biological Community? B - Does Species Indicate Effects of Management Activities at Both the Plan and Project Level?							
Issue	Habitat Type	Proposed MIS	A	B	Sensitivity to Management Activities	Monitoring Method	Measure
Landscape linkages and fragmentation	All	Mountain lion	Yes	Yes	More than one planning cycle	In cooperation with California DF&G	Trend in abundance and demography
Oak regeneration	Oak woodlands	Blue oak	Yes	Yes	One or more planning cycles	FIA	Trend in abundance and demography
		Valley oak,	Yes	Yes	One or more planning cycles	FIA	Trend in abundance and demography
		Engelmann oak	Yes	Yes	One or more planning cycles	FIA	Trend in abundance and demography
Forest Health	All	Mule deer	Yes	Yes	One or more planning cycles	In cooperation with California DF&G	Trend in abundance and demography

** Mountain lion and mule deer monitoring needs to be conducted across land jurisdictions through interagency cooperation to be efficient and effective.*

Table-434-Existing Management Indicator Species from the San Bernardino National Forest

A-- Do Population Trends In Each Species Indicate: Condition Of The Biological Community?
B-- Do Population Trends In Each Species Indicate: Effects Of Management Activities?
C-- Can Population Trends Be Effectively And Efficiently Monitored?

Species	A	B	C	Comments
Turkey vulture	No	No	No	Migratory
Northern goshawk	No	No	No	Migratory; no confirmed nesting on the SBNF.
Cooper's hawk	No	No	No	Migratory habitat generalist
Sharp-shinned hawk	No	No	No	Migratory habitat generalist
Zone-tailed hawk	No	No	No	Rarely breeds on NFS land
Long-eared owl	No	No	No	Very rare and rarely breeds on NFS land
Osprey	No	No	No	Poorly distributed on NFS land
Golden eagle	No	No	No	Wide ranging habitat generalist
Prairie falcon	No	No	No	Little management occurring in suitable habitat
Yellow-billed cuckoo	No	No	No	Almost no habitat on NFS land
Black swift	No	No	No	Very rare migrant
Lewis' woodpecker	No	No	No	Migratory
Willow flycatcher	No	No	No	Migratory
Purple martin	No	No	No	Migratory
Tree swallow	No	No	No	Migratory
Black-tailed gnatcatcher	No	No	No	Now known as California gnatcatcher – see above
Swainson's thrush	No	No	No	Migratory
LeConte's thrasher	No	No	No	Not known to occur on NFS land
Black-shouldered kite	No	No	No	Poorly distributed on NFS land
Gray vireo	No	No	No	Migratory, little management occurring in habitat
Yellow warbler	No	No	No	Migratory
Wilson's warbler	No	No	No	Migratory
Yellow-breasted chat	No	No	No	Migratory
Hepatic tanager	No	No	No	Extremely rare migrant

Table-436-Arroyo Seco River - Potential Classification by River Segment

	Segment 1	Segment 2	Segment 3	Segment 4
WILD RIVER				
Free of impoundments	Yes	No	Yes	Yes
Generally inaccessible except by trail	Yes	No	No	No
Watersheds or shorelines essentially primitive	Yes	No	Yes	No
Waters unpolluted	Yes	Yes	Yes	Yes
SCENIC RIVER				
Free of impoundments		No	Yes	Yes
Accessible in places by roads		Yes	Yes	Yes
Watershed largely primitive and undeveloped		Yes	Yes	No
RECREATIONAL RIVER				
Some impoundments or diversions in past		Yes		No
Readily accessible by road or railroad		Yes		Yes
Some development along shoreline		Yes		Yes
Eligibility Status	Wild	Recreation	Scenic	Recreation

Table-437-Arroyo Seco River - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
1	0 - 2.5	Headwaters to Sportsman's Lodge	NFS (781 acres)	Wilderness
2	2.5 - 3.0	Sportsman's Lodge permit area	NFS (149 acres)	NFS: Organization Camp permit
3	3.0 - 13.5	Sportsman's Lodge to Wilderness boundary	NFS (2965 acres)	Wilderness; dispersed recreation.
4	13.5-18.4	Wilderness boundary to NF boundary	NFS (1063 Acres) and non-federal (344 acres)	NFS: developed and dispersed recreation. Non-federal: rural and residential

Table-438-Indian Creek - Potential Classification by River Segment

	Segment 1	Segment 2
WILD RIVER		
Free of impoundments	Yes	Yes
Generally inaccessible except by trail	Yes	Yes
Watersheds or shorelines essentially primitive	Yes	Yes
Waters unpolluted	Yes	Yes
SCENIC RIVER		
Free of impoundments		
Accessible in places by roads		
Watershed largely primitive and undeveloped		
RECREATIONAL RIVER		
Some impoundments or diversions in past		
Readily accessible by road or railroad		
Some development along shoreline		
Eligibility Status	Wild	Wild

Table-439-Little Sur River - Potential Classification by River Segment

	Segment 1	Segment 2
WILD RIVER		
Free of impoundments	Yes	No
Generally inaccessible except by trail	Yes	No
Watersheds or shorelines essentially primitive	Yes	No
Waters unpolluted	Yes	Yes
SCENIC RIVER		
Free of impoundments		No
Accessible in places by roads		Yes
Watershed largely primitive and undeveloped		Yes
RECREATIONAL RIVER		
Some impoundments or diversions in past		Yes
Readily accessible by road or railroad		Yes
Some development along shoreline		Yes
Eligibility Status	Wild	Recreation

Table-440-Mono Creek - Potential Classification by River Segment

	Segment 1	Segment 2
WILD RIVER		
Free of impoundments	Yes	Yes
Generally inaccessible except by trail	Yes	No
Watersheds or shorelines essentially primitive	Yes	No
Waters unpolluted	Yes	Yes
SCENIC RIVER		
Free of impoundments		Yes
Accessible in places by roads		Yes
Watershed largely primitive and undeveloped		Yes
RECREATIONAL RIVER		
Some impoundments or diversions in past		
Readily accessible by road or railroad		
Some development along shoreline		
Eligibility Status	Wild	Scenic

Table-441-Piru Creek - Potential Classification by River Segment

	Segment 1	Segment 2	Segment 3	Segment 4
WILD RIVER				
Free of impoundments	Yes	Yes	Yes	Yes
Generally inaccessible except by trail	Yes	No	Yes	No
Watersheds or shorelines essentially primitive	Yes	No	Yes	No
Waters unpolluted	Yes	Yes	Yes	Yes
SCENIC RIVER				
Free of impoundments		Yes		Yes
Accessible in places by roads		Yes		Yes
Watershed largely primitive and undeveloped		Yes		Yes
RECREATIONAL RIVER				
Some impoundments or diversions in past				
Readily accessible by road or railroad				
Some development along shoreline				
Eligibility Status	Wild	Scenic	Wild	Scenic

Table-442-Number of Incidents from 2000 through 2003, SBNF

Incident Type	2000	2001*	2002	2003
Aircraft Down	0	10	3	8
Emergency Standby	11	20	7	10
Hazmat	0	40	23	10
Law Enforcement	1,610	1,490	1,637	1,250
Medical Aid	241	220	163	166
Miscellaneous	603	730	767	831
Prescribed Fire	0	20	4	2
Public assist	284	250	144	224
Rescue Order	0	240	222	272
Search and Rescue	0	55	43	44
Smoke Check	60	10	1	18
Structure Fire	59	25	23	17
Traffic Collision	0	400	347	378
Vegetation Fire	556	200	184	195
Vehicle Fire	144	55	31	41
N/A	105	0	0	0
Total	3,673	3,765	3,599	3,466

** Numbers for 2001 are approximate*

Table-443-San Antonio River - Potential Classification by River Segment

	Segment 1	Segment 2	Segment 3	Segment 4
WILD RIVER				
Free of impoundments	Yes	No		
Generally inaccessible except by trail	Yes	No		
Watersheds or shorelines essentially primitive	Yes	No		
Waters unpolluted	Yes	Yes		
SCENIC RIVER				
Free of impoundments		No		
Accessible in places by roads		Yes		
Watershed largely primitive and undeveloped		Yes		
RECREATIONAL RIVER				
Some impoundments or diversions in past		Yes		
Readily accessible by road or railroad		Yes		
Some development along shoreline		Yes		
Eligibility Status	Wild	Scenic		

Table-444-Upper Sespe Creek - Potential Classification by River Segment

	Segment 1	Segment 2	Segment 3
WILD RIVER			
Free of impoundments		Yes	Yes
Generally inaccessible except by trail		No	Yes
Watersheds or shorelines essentially primitive		No	No
Waters unpolluted		Yes	Yes
SCENIC RIVER			
Free of impoundments		Yes	Yes
Accessible in places by roads		Yes	Yes
Watershed largely primitive and undeveloped		No	Yes
RECREATIONAL RIVER			
Some impoundments or diversions in past		Yes	
Readily accessible by road or railroad		Yes	
Some development along shoreline		Yes	
Eligibility Status	Ineligible	Recreation	Scenic

Table-445-Indian Creek - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
1	0 - 9.6	Source to wilderness boundary	NFS (2864 acres)	Wilderness
2	9.6 - 14.7	Wilderness boundary to Mono debris basin	NFS (1310 acres) and non-federal (22 acres)	Dispersed motorized and non-motorized use

Table-446-Little Sur River - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
1	0 - 4.9	Headwaters North Fork to Wilderness Boundary	NFS (1362 acres)	Wilderness
2	4.9 - 8.2	Wilderness boundary to Forest boundary	NFS (276 acres) and non-federal (614 acres)	NFS: dispersed recreation. Non-federal: Rural, includes organization camp and potential mining

Table-447-Mono Creek - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
1	0 - 4.5	Headwaters to wilderness boundary	NFS (1418 acres)	Wilderness
2	4.5 - 24.2	Wilderness boundary to Mono Debris Basin	NFS (4952 acres) and non-federal land (146 acres)	NFS: dispersed non-motorized recreation, pre-suppression fire activities. Non-federal: Rural, occasional recreation use

Table-448-Piru Creek - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
1	0 - 5.8	Headwaters to Sespe Wilderness Area boundary	NFS (1622 acres)	Wilderness
2	5.8 - 26.2	Sespe Wilderness Area boundary to ¼ mile below Gold Hill crossing	NFS (5432 acres) and non-federal (275 acres)	NFS: motorized and non-motorized recreation, grazing. Non-federal: rural/agriculture.
3	26.2 - 30.9	¼ mile below Gold Hill crossing to/including Castaic Mine	NFS (1259 acres) and non-federal (169 acres)	NFS: watershed improvement, dispersed recreation. Non-federal: inactive mining claim.
4	30.9 - 38.5	Castaic Mine to maximum pool of Pyramid Lake	NFS (2054 acres) and non-federal (169 acres)	Watershed improvement, dispersed recreation.

Table-449-San Antonio River - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
1	0 - 7.6	Headwaters North Fork to Wilderness Boundary	NFS (2288 acres) and non-federal (45 acres)	Wilderness
2	7.6 - 8.6	Wilderness boundary to Forest boundary	NFS (270 acres)	NFS: Wilderness and acquired property, closed to the public

Table-450-Upper Sespe Creek - Segment Description

River Segment	Miles	Boundaries	Ownership	Zoning/Land Use
2	9.8-19.3	Chorro Grande to ½ mile east of Beaver Camp	NFS (2580 acres); non-federal (225 acres)	NFS: Scenic Byway; Non-federal: Rural-low intensity, weekend cabins, private residence
3	19.3-21.3	½ mi. east of Beaver Camp to Howard Creek	NFS (616 acres)	Dispersed non-motorized recreation

Table-451-Angeles National Forest Candidate Special Interest Areas by Alternative

Name	Acres	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Aliso-Arrastre	16,935	N	Y 6,640 acres	Y 7,850 acres	Y 6,640 acres	N	Y 16,935 acres
Liebre Mountain	9,521	N	N	Y	N	N	Y

Table-452-Cleveland National Forest Candidate Special Interest Areas by Alternative

Name	Acres	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Chiquito Springs	738	N	Y	Y	Y	Y	Y
Fileree Flat	440	N	Y	Y	Y	Y	Y
Pine Mountain	273	N	Y	Y	Y	Y	Y

Table-453-Los Padres National Forest Candidate Special Interest Areas by Alternative

Name	Acres	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Bear Ponds	197	N	Y	Y	Y	Y	Y
Camatta	55	N	Y	Y	Y	Y	Y
Milpitas	9,933	N	Y	Y	Y	N	Y
Mono Basin	3,078	N	Y	Y	Y	Y	Y
Spring Lake	31	N	N	Y	N	Y	Y

Table-454-San Bernardino National Forest Candidate Special Interest Areas by Alternative

Name	Acres	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
Arrastre Creek	742	N	N	Y	N	N	Y
Bear Creek	2,523	N	Y	Y	N	N	Y
Cactus Flat	4,215	N	N	Y	N	N	Y
Cajon Pass	359	N	N	Y	N	N	Y
Children's Forest	3,395	N	Y	Y	Y	N	Y
Coxey Creek	3,047	N	Y	Y	N	N	Y
Deep Creek	3,772	N	Y	Y	Y	N	Y
Fish Creek Meadows	718	N	Y	Y	N	N	Y
Garner Valley	2,464	N	N	Y	N	N	Y
Green Valley Canyon	881	N	N	Y	N	N	Y
Holcomb Creek	4,267	N	N	Y	N	N	Y
May Van Canyon	1,323	N	N	Y	N	N	Y
San Jacinto River	1,220	N	N	Y	N	N	Y
Upper Santa Ana River	5,326	N	N	Y	N	N	Y
Siberia Creek	835	N	N	Y	N	N	Y
Sugarloaf Meadow	197	N	N	Y	N	N	Y
Wild Horse Meadow	1,255	N	N	Y	N	N	Y

Table-455-OHV Mileage by Forest

	ANF	CNF	LPNF	SBNF	Total
Roads	310	40	289	160	799
Trails	61	31	151	38	281
Total	371	71	440	198	1,080

Table-456-Miles of ML2 Roads Open For OHV Use

	ANF	CNF	LPNF	SBNF
Miles of ML2 Road	449	219	539	560
Miles Managed as 4WD Opportunity	269	194	309	112

Table-458-Acres Burned by Wildfire Annually

ANF	CNF	LPNF	SBNF
10,011	11,931	37,148	6,489

Table 459 - Predominate Categories of Offense Violations from FY 2001 through FY 2003

Offense Category	2001	2002	2003	Total
Occupancy and Use	1,398	3,252	2,565	7,215
Fire	956	1,771	970	3,697
OHV	307	875	536	1,718
Forest Roads and Trails	269	515	462	1,246
Sanitation	70	175	114	359

Table 460 - Population Growth Trend, 1960 - 2020

1960	1970	1980	1990	2000	2010	2020
15	19	22	28	31	34	39

Table Source: Interim County Population Projections; State of California; Department of Finance; Demographic Research Unit;
http://www.dof.ca.gov/HTML/DEMOGRAP/repndat.htm#projections

Table 461 – Ethnic Origins, Assessment Area 2000

Hispanic or Latino (of any race)	Two or More Races	Some Other Race	Native Hawaiian or other Pacific Islander	Asian	American Indian or Alaska Navtive	Black or African American	White
33.56%	2.68%	0.21%	0.32%	11.52%	0.43%	6.92%	44.36%

Table 462 – FS Generated Impacts

	Current	Alt 1	Alt 2	Alt 3	Alt 4	Alt 5	Alt 6
% Change, Jobs	0.0	2.8	7.2	-1.6	17.5	11.7	-6.3
% Change, Income	0.0	4.6	8.8	0.8	17.9	13.0	-3.4

Table 346 - Cleveland National Forest - Publicly proposed other undeveloped areas evaluated

Other Undeveloped Area	Recommended By Public	Acres	Capability	Availability	Need
Cedar Creek	Yes	**2,800	Low	Low	Moderate
Hauser Mountain	Yes	1,274	High	Moderate	Moderate
Hauser South (expansion)	Yes	**3,600	High	Moderate	Moderate
Sitton Peak	Yes	1,029	Low	Low	Low
Sitton Peak Addition	Yes	1,206	Low	Low	Low
Upper San Diego River	Yes	1,028	High	Moderate	Moderate
Upper San Diego River Gorge	Yes	**4,905	High	Moderate	Moderate

*** Value averaged across alternatives*

Table-463—Invasive Nonnative Plant Species

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
List A-1&2 Most Invasive									
Ammophila arenaria	European beach grass	Coastal dunes	SCo, CCo	A-1				A	
Ailanthus altissima	Tree of heaven	Riparian, grasslands, oak woodlands	CA-FP, SCo	A-2	C#	Y	Y * 10	Y	Y*
Arundo donax	Giant reed, arundo	Riparian	CCo, SCo, SnGb, D	A-1	C#	Y*	Y * 10	A	Y*
Atriplex semibaccata	Australian saltbush	SoCal, Coastal grasslands, scrub, coastal salt marshes	CA (except CaR, C&csSN)	A-2				Y	Y
Brassica tournefortii	African mustard	Washes, alkaline flats, disturbed areas in Sonoran Desert	SW, D	A-2					Y
Bromus madritensis ssp. rubens	Red brome	Scrub, desert scrub type conversions	CA	A-2		Y	Y 50000+	Y 400000	Y
Bromus tectorum	Cheat grass	Sagebrush, PJ, other	D	A-1		Y	Y 10000+	Y 1000000	Y*

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Cardaria draba	White-top, hoary cress	Riparian, marshes of central coast, disturbed areas, grassland, scrub	CCo and others	A-2	B			Y 2000	
Carpobrotus edulis	Iceplant, sea fig	Coastal communities, dunes	SCo, CCo	A-1				Y	
Centaurea solstitialis	Yellow star thistle	Grasslands	CA-FP	A-1	C	Y	Y	Y	Y*
Conicosia pugioniformis	Narrow-leaved iceplant, roundleaf iceplant	Coastal dunes, sandy soils near coast, best documented in San Luis Obispo & Santa Barbara Co.	CCo	A-2					
Cortaderia jubata	Andean pampas grass	Coastal habitats, disturbed sites	CCo, WTR, SCo	A-1	C#		Y 10	Y	
Cortaderia selloana	Pampas grass	Coastal dunes, scrub, Monterey pine forest, rip, grasslands, wetlands, serpentine	SCo, CCo	A-1				Y	Y*
Cotoneaster pannosus, C. lacteus	Cotoneaster	Coastal communities, Big Sur	CCo	A-2				Y	
Cynara cardunculus	Artichoke thistle	Coastal grasslands	CA-FP, esp. CCo, SCo	A-1	B		Y * 100	Y	
Cytisus scoparius	Scotch broom	Coastal scrub, oak woodlands	SCo, CW	A-1	C	Y		Y	
Ehrharta calycina	Veldt grass	Sandy soils, esp. dunes	CCo, SCoRO, WTR	A-2			A	Y	
Eichhornia crassipes	Water hyacinth	Waterways	SCo, PR	A-2					Y

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Elaeagnus angustifolius	Russian olive	Interior riparian areas	DMoj	A-2			Y		Y
Eucalyptus globulus	Tasmanian blue gum	Riparian, grasslands	CCo, SCo	A-1			Y 100		Y
Ficus carica	Edible fig	Riparian woodlands	SCo	A-1			Y 25		Y
Foeniculum vulgare	Wild fennel	Grasslands	CA-FP, SCo	A-1			Y	Y	Y
Genista monspessulana =Cytisus monspessulana	French broom	Coastal scrub, oak woodlands, grasslands	CCo, SCoRO, WTR, PR	A-1	C			Y	
Lepidium latifolium	Perennial pepperweed,	Coastal inland marshes, riparian, wetlands, grasslands, potential to invade montane wetland	CA	A-1	B			Y	
Lupinus aboreus	Bush lupine	Native to SCo, invasive in Nco dunes	CCo, SCo	A2				Y-May be native on MRD	
Myoporum laetum	Myoporum	Coastal riparian areas	SCo, CCo	A-1				Y	
Pennisetum setaceum	Fountain grass	Grasslands, dunes, desert canyons, roadsides	CCo, SCo	A-1			Y	Y	A
Rubus discolor	Himalayan blackberry	Riparian marshes, oak woodlands	CA-FP	A-1			Y 500	Y	Y
Saponaria officinalis	Bouncing bet	Meadows, riparian	SCoRO, SCo, PR	A-2				Y	Y
Senecio mikanioides =Delairea odorata	Cape ivy, German ivy	Coastal, riparian, south side San Gab. Mts.	CCo, SCo, SW	A-1	C#	Y	Y	Y	

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Taeniatherum caput-medusae	Medusa-head	Grasslands, poorly drained areas	SCo	A-1	C			Y	
Tamarix chinensis, T. gallica, T. parviflora T. ramosissima Note: T. chinensis and T. gallica are high potential, others are present	Tamarisk, salt cedar	Desert washes, riparian, seeps and springs	SCo, D, SCoRI, WTE	A-1	C#	Y	Y * 100	Y	Y*
List B Lesser Invasives									
Ageratina adenophora	Eupatory	Coastal canyons, coastal scrub, slopes, Marin to San Diego County, San Gab. Mts.	CCo,	B					Y
Bassia hyssopifolia	Bassia	Alkaline habitats	CA	B					Y
Brassica nigra	Black mustard	Coastal, especially fogbelt grasslands, disturbed areas	CA-FP	B		Y	Y	Y	Y
Carduus pycnocephalus	Italian thistle	Grasslands, shrublands, oak woodlands	CW, SCo	B	C			Y	
Centaurea calcitrapa	Purple star thistle	Grasslands	CW, SW	B	B			Y	
Centaurea melitensis	Tocalote	Widespread, sometimes mis ID'd as C. solstitialis, perhaps a more serious invader than thought	CA-FP, D	B	C#		Y 5000+	Y	Y
Cirsium arvense	Canada thistle	Riparian areas	CA-FP	B	B		Y		
Cirsium vulgare	Bull thistle	Riparian, marshes, meadows	CA-FP	B	C#		Y	Y	Y

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Conium maculatum	Poison hemlock	Riparian and oak understory, espanding in San Diego County	CA-FP	B			A?	Y	Y
Ehrharta erecta	Veldt grass	Wetlands, grasslands	CCo, SCo	B				Y	
Erechtites glomerata, E. minima	Australian fireweed	Coastal woodlands, scrub, NW forests especially redwoods	CCo, SCoRO	B				Y	
Festuca arundinacea	Tall fescue	Coastal scrub, grasslands NCo, CCo	CA-FP	B					Y
Hedera helix	English ivy	Coastal forests, riparian	CA-FP	B		Y	Y * 25		A Y?
Holcus lanatus	Velvet grass	Coastal grasslands, wetlands in No. CA	CA exc. DSon	B				Y	Y
Olea europaea	Olive	Riparian in Santa Barbara, San Diego	CCo, SCo	B			Y* 100		A Y?
Phalaris aquatica	Harding grass	Coastal sites, moist soil	CCo, SCo	B			Y		Y
Potamogeton crispus	Curlyleaf pondweed	Ponds, lakes, streams	CCo, SCo, SnGb, SnBr, DMoj	B					Y
Ricinus communis	Castor bean	SoCal coastal riparian	SCo, CCo	B		Y	Y * 25		Y
Robinia pseudoacacia	Black locust	Riparian, canyons	CA-FP	B		Y	Y* 5	Y	Y
Schinus molle	Peruvian pepper tree	Riparian in San Diego	CW, PR	B			Y		Y
Schinus terebinthifolius	Brazilian pepper	Riparian areas	sSCo	B		Y			

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Spartium junceum	Spanish broom	Coastal scrub, grasslands, wetlands, oak woodland, roadcuts	SCoRO, SCo, WTR	B	C#	Y	Y * 10	Y	Y*
Verbascum thapsus	Woolly mullein	Meadows, sagebrush, PJ woodlands	CA	B			Y		Y
Vinca major	Periwinkle	Riparian, oak woodland, coastal hab.	CCo, sSCoRO, SCo	B		Y	Y * 25	Y	Y
Red Alert: Potential To Spread Explosively									
Centaurea stoebe ssp. micranthos Formerly *C. maculosa*	Spotted knapweed	Riparian, grassland, wet meadows, forests,	nCW, sPR	Red alert	A	Y	A	A	Y
Hydrilla verticillata	Hydrilla	Noxious water weed	SCo, D	Red alert	A		A?		
Linaria genistifolia ssp. dalmatica	Dalmatian toad flax	Disturbed pastures, Big Bear Fire Station and Meadow	CA-FP		A		A?	Y*	Y*
Need More Information									
Asphodelus fistulosus	Asphodel	SCo highways	SCo	Need info					A
Convolvulus arvensis Moved from Considered but not listed per M. Larder	Field bindweed	Disturbed sites, ag sites	Waterman Cyn						Y
Descurainia sophia	Tansy mustard	Mojave wildlands	CA	Need info				Y	Y
Dimorphotheca sinuata	African daisy, cape marigold	Invasive in W. Riverside, Ventura Co.	SCo, PR	Need info					Y
Echium candicans, E. pininana	Pride of Madeira Pride of Teneriffe	Riparian, grasslands, coastal sage scrub,	CcO, SCo	Need info			A?		
Euphorbia dendroides	spurge	Angeles National Forest	Not in Jepson			Y*			

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Euphorbia lathyris	Gopher plant	Coastal scrub, marshes, dunes	CCo, SCo	Need info					Y
Gazania linearis	Gazania	Grassland, coastal scrub?	CCo, SCo	Need info			Y		
Hedera canariensis	Algerian ivy	Riparian in so. Cal	Not in Jepson	Need info		Y		Y	
Hirschfeldia incana	Mediterranean or Short pod mustard	w. and s. Mojave	CW, SCo, DMoj	Need info			Y	Y	
Hypochaeris radicata	Rough cat's ear	Coastal grasslands, wetlands	CW, SCo	Need info				Y	
Lathyrus latifolius and others	Perennial sweetpea	Invader in Big Bear, SBNF meadows, rip							Y*
Nicotiana glauca	Tree tobacco	Disturbed and in coastal scrub, chaparral	CW, SW, D	Need info		Y	Y 5000+	Y	Y
Oxalis pes-caprae	Bermuda buttercup	Disturbed habitats	CCo, SCoRO, SCo	Need info			Y	Y	A
Pennisetum clandestinum	Kikuyu grass	Disturbed sites, roadsides	CCo, SCo	Need info	C			Y	Y
Piptatherum miliaceum	Smilo grass	SoCal creeks, canyons	CW, SCo,	Need info				Y	A
Poa bulbosa		Conifer forest CNF at Garnet Peak, Coldbrook meadows on SBNF					Y 1000+	Y	Y
Prunus cerasifera	Cherry plum	Oak woodland, rip areas	CCo	Need info					N Y?
Pyracantha angustifolia	Pyracantha	Horticultural, spreads from seed from birds	CCo, SCo	Need info			Y		
Salsola tragus	Russian thistle, tumbleweed	w. Mojave desert, not limited to disturbed sites	CA	Need info	C	Y	Y	Y	Y

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Salsola paulsenii may hybridize with *S. tragus)*	Barbwire Russian thistle, Tumbleweed	Limited to disturbed sites	WTR, DMoj		C				Y
Tribulus terrestris	Puncture vine	Dry disturbed areas, at 3000' w/interior live oak	CNF, Cameron Fire Station		C		Y		Y
Annual Grasses That Pose Significant Threats									
Avena barbata	Slender wild oat	Coastal slopes, coastal sage scrub, disturbed	CA-FP, DMoj				Y	Y	A Y?
Avena fatua	Wild oat	Coastal slopes, coastal sage scrub, disturbed	CA-FP, DMoj			Y	Y	Y	Y
Brachypodium distachyon	False brome	SoCal, common in Orange Co.	CW, SCo,				A?		
Bromus diandrus	Ripgut brome	Coastal dunes, coastal sage scrub, grasslands Add oak woodlands? See it with Q. kell. and Q. agrifolia	CA			Y	Y	Y	Y
Lolium multiflorum (also *Loilium perenne* and *Lolium temulentum* on SBNF)	Italian ryegrass	Wetlands, esp. vernal pools in San Diego Co. and disturbed sites	CA-FP			?	Y	Y	Y
Schismus barbatus	Mediterranean grass	Threat to Mojave and Colorado desert shrublands?	D				Y	Y	Y

Invasive Nonnative Plant Species									
Scientific Name	Common Name	Habitat(s)	Distribution by Geographic Subdivison	CalEPPC pest listing	CDFA Pest Rating	ANF	CNF	LPNF	SBNF
Considered, But Not Listed									
Dipsacus sativus *D. fullonum*	Wild teasel. Fuller's teasel	Roadsides, disturbed sites	City Creek Fire Station on SBNF				Y		Y
Fumaria officinalis *F. parviflora*	Fumitory	Salt marshes, sandy disturbed sites	*F. parviflora* is in orchard in Banning near SBNF						A
Medicago polymorpha	California bur clover	Disturbed, grasslands and moist sites						Y	A
Melilotus officinalis *Melilotus alba*	Yellow sweet clover White sweet clover	Restricted to disturbed sites in CA	Both in Big Bear Valley of SBNF, LPNF			Y	Y Y	Y	Y * Y*
Nerium oleander	Oleander	Riparian areas in CV and San Bernardino Mts.	Waterman and Badger Cyns on SBNF			Y			Y
Picris echioides	Bristly ox-tongue	Disturbed sites	Lake Silverwood on SBNF				Y		Y
Silybum marianum	Milk thistle	Disturbed, overgrazed moist pasturelands, may interfere with restoration	Devil Cyn and mouth of Santa Ana River Cyn				Y	Y	A Y?
Xanthium spinosum	Spiny cocklebur	Native in Jepson and Munz, restricted to disturbed areas	Loma Linda and Mojave Desert				Y	Y	A

See key next page

Table Key

California Exotic Pest Plan Council (CEPPC) List Categories

List A: Most Invasive Wildland Pest Plants; documented as aggressive invaders that displace natives and disrupt natural habitats. Includes two sub-lists; List A-1: Widespread pests that are invasive in more than 3 Jepson regions, and List A-2: Regional pests invasive in 3 or fewer Jepson regions

List B: Wildland Pest Plants of Lesser Invasiveness; invasive pest plants that spread less rapidly and cause a lesser degree of habitat disruption; may be widespread or regional.

Red Alert: Pest plants with potential to spread explosively; infestation currently small or localized. If found, alert Cal EPPC, County Agricultural Commissioner or California Department of Food and Agriculture.

Need More Information: Plants for which current information does not adequately describe nature of threat to wildlands, distribution or invasiveness. Further information is requested from knowledgeable observers.

Annual Grasses: A preliminary list of annual grasses, abundant and widespread in California, that pose significant threats to wildlands. Information is requested to support further definition of this category in next list edition.

Considered but Not Listed: Plants that, after review of status, do not appear to pose a significant threat to wildlands

California Dept. of Food and Agriculture Pest Ratings:

All weeds on California's 130 plus noxious weed list have a rating. The overall rating system is NOT based on how bad a weed is-all weeds are considered "bad"- but rather on overall distribution throughout the state. Ratings and formal definitions by the CDFA are:

A=rated weeds are normally limited in distribution throughout the state. Eradication, containment, rejection or other holding action at the state-county level. Quarantine interceptions to be rejected or threat at any point in the state.

B=rated weeds are more widespread. Eradication, containment, control or other holding action at the discretion of the commissioner. State endorsed holding action and eradication only when found in a nursery.

C=rated weeds are generally widespread throughout the state. Action to retard spread outside of nurseries at the discretion of the commissioner. Reject only when found in a cropseed for planting or at the discretion of the commissioner.

Q=rated species are treated as temporary "A" weeds. Denoting action outside nurseries at the state-county level pending determination of permanent rating.

D=rated weeds are organisms considered to be of little or no economic importance. No action. Anything not rated as "A", "B", "C", or ""Q' is given a "D" rating.

Forest Codes

ANF=Angeles National Forest; CNF=Cleveland National Forest; LPNF=Los Padres National Forest; SBNF=San Bernardino National Forest. Y= Present on forest (and estimated number of acres if provided). *= Forest is currently treating, in process of treating or has treated in past. A= adjacent or near Forest, reasonable to expect invasion on Forest lands within next 5 years. ?= plants are adjacent or near and highly likely to be present but not documented. #= plant added to CDFA noxious weed list 8/2003, pest rating not finalized but "C" rating expected. Numerical figures= approximate present acreage known, Numerical figures+=approximate present acreage and more

Distributions by geographic subdivisions per the Jepson Manual

Ca=California, CA-FP=California Floristic Province, CCo=Central Coast, CW=Central Western California, D=Deserts, DSon=Sonoran Desert, PR=Peninsular Ranges, SCo=South Coast, SCoRI=Inner South Coast Ranges, SCoRo=Outer South Coast Ranges, SnGb=San Gabriel Mountains, SW=Southwestern California, WTR=Western Transverse Ranges GV=Great Central Valley-and SnJV-San Joaquin Valley, were not included even though a small portion of the LPNF occurs within this subdivison. Most of these subdivisions do not reflect what is on the LPNF. The LPNF has an active invasive plants program and on the ground knowledge was utilized instead.

This table was created using the California Exotic Pest Plant Council List: Exotic Pest Plants of Greatest Ecological Concern in California (CalEPPC 1999) as a template. From that list, only those plants within Jepson subdivisions of the Southern California National Forests Plan Revision planning area were included. The Southern California Mountains and Foothill Assessment (Stephenson and Calcarone 1999) boundary was used as the planning area boundary. Plants are listed, in order of most invasive categories as per Cal EPPC list (List A-1 and A-2 were combined) then alphabetically. "Potential pests" from list by Hrusa, Ertter, Sanders, Leppig, and Dean (Madrono 2002) not in Jepson within our planning area were included along with invasive plants on Forest Botanist's list of concern or that Forest's are currently eradicating. Ratings of plants designated as "noxious weeds" by the California Department of Food and Agriculture were added in a separate column. On 8/15/2003 the SBNF received information that the "noxious weed" list had been amended to include 11 species that we were tracking in this table and the ratings were added. A combination of Forest biologists and botanists, District biologists and personnel working in USFS invasive species programs provided information on known occurrences by Forest. The list was finalized on 08/16/2003. At this time, all species not known to occur or to be adjacent to Forests were removed from the table. The original table showing all species considered is available in the project file.

Table-464—Invasive Nonnative Animal Species

Scientific Name	Common name	Threat Level	Native Species Affected Or Other Effects	ANF	CNF	LPNF	SBNF
Invertebrates							
Linepithema humile	Argentine ant	2	Native ants & species that eat ants, prey base for coast horned lizard & arroyo toad, plant seeds dispersed by native ants	Y	Y		Y
Procambarus clarkii	Lousiana crayfish	2	Native fish/amphibians	Y	Y		Y
Pacifastacus leniusculus	Pacific crayfish	3	Native fish/amphibians, insects,			Y	
Solenopsis invicta	Red imported fire ant	1	Small mammals, birds, humans	Y	Y		A
Apis mellifera scutellata	Africanized honey-bee	4	Native animals, humans	A	A		A
Apis mellifera spp.	European honey bee	3	Native bees	Y	Y		Y
Forficula auricularia	European earwig	3	Native vegetation	Y	Y		
Reptiles and amphibians							
Rana catesbeiana	Bullfrog	1	Native fish/amphibians	Y	Y	Y	Y
Xenopus laevis	African clawed frog	1	Native fish/amphibians	Y	A		
Chelydra serpentina	Snapping turtle	4	Native fish/amphibians	Y			Y
Chrysemys picta, C. scripta	Red-eared slider, painted turtle	4	Native fish/amphibians	Y	Y	Y	Y
Fish							
Lepomis spp.	Green sunfish, bluegill, pumpkinseed	1	Native fish/amphibians, insects	Y	Y	Y	Y
Micropterus spp.	Largemouth and smallmouth bass	1	Native fish/amphibians	Y	Y	Y	Y
Cyprinella lutrensis	Red shiner	1	Native fish/amphibians	Y			A
Carrasius auratus	Goldfish	2	Native fish/amphibians	Y	Y	Y	Y
Cyprinus carpio	Carp	2	Native fish/amphibians	Y		Y	Y
Pimephales promelas	Fathead minnow	2	Native fish/amphibians				Y
Ameiurus (Ictalurus)melas	Black bullhead catfish	1	Native fish/amphibians, insects	Y	Y	Y	Y
Ictalurus punctatus	Channel catfish	3	Native fish/amphibians	Y	Y		Y
Gambusia afinis	Mosquitofish	1	Native fish/amphibians, insects	Y	Y	Y	Y

Scientific Name	Common name	Threat Level	Native Species Affected Or Other Effects	ANF	CNF	LPNF	SBNF
Oncorhynchus mykiss	Rainbow trout (stocked)	1,3	Native fish/amphibians	Y	Y	Y	Y
Salmo trutta	German brown trout	1	Native fish/amphibians	Y			Y
Mammals							
Rattus rattus, R. norvehicus	Black rat, Norway rat	3	Woodrats, mice			Y	Y
Sus scrofa	European boar, feral pig	2	Disrupts habitat, eats many species		Y	Y	Y
Vulpes fulva	Red fox	1	Small ground dwelling native species				Y
Castor Canadensis	Beaver	1	Native vegetation			Y	Y
Felis domesticus	Feral cat	2	Native birds, reptiles	Y	Y	Y	Y
Canis familiaris	Feral dog	1	Big horn sheep, deer				
Equus cabullus	Feral horse	2	Big horn sheep			Y	A
Equus asinus	Feral burro	2	Deer				Y
Bos taurus	Feral cattle	1	Riparian habitats, desert tortoise	?	?	?	Y
Didelphus virginiana	Opossum	3,4	Native vegetation and animals		Y	Y	Y
Birds							
Molothrus ater	Brown-headed cowbird	1	Riparian dependent birds	Y	Y	Y	Y
Sternus vulgaris	European starling	1	Cavity nesting birds	Y	Y	Y	Y
Bibulus ibis	Cattle egret	3			A		Y
Meleagris gallopavo	Wild turkey	2	Native vegetation		Y	Y	Y
Passer domesticus	House sparrow	2	Native birds	Y	Y	Y	Y
Columba livia	Rock dove feral pigeon	2	Native birds	Y	Y	Y	Y

(modified slightly from Dudley and Collins in Stephenson and Calcarone 1999)

Threat Level -
1- serious, documented threat to sensitive species or ecosystems;
2-moderate threat to native species or ecosystems;
3-benign, low risk;
4-potential threat, but impacts not well documented.
Species with multiple threat levels are considered a threat in some areas, but not a problem in other areas.
If highlighted text, eradication is planned, has occurred or is occurring at some location on Forest;
A=Adjacent to forest, reasonable to expect to invade Forest ecosystems within next 5 years.