

H. MISCELLANEOUS

MANAGEMENT AREA ACRES

This contains data relating to each management area. The first table shows the acreage distribution on each Ranger District. The next table lists the land classification for each area. (It takes you through the steps used to determine how many acres of each management area are suitable for timber harvest.)

Table H-1. Acres Of Management Areas On Each Ranger District

MANAGEMENT AREA	CANJILON	EL RITO	JICARILLA	CAMINO REAL	TRES PIEDRAS	QUESTA	TOTAL
1-Spruce <40%	9,326	2,763	0	28,349	23,300	5,065	68,803
2-Spruce >40%	0	68	0	1,992	137	4,676	6,873
3-MC <40%	6,129	37,371	510	70,616	42,682	7,987	165,295
4-PP <40%	18,946	66,478	26,654	28,326	50,406	1,984	192,794
5-MC & PP >40%	50	2,047	1,437	15,264	0	11,222	30,020
6-Aspen	279	890	0	1,882	1,267	1,261	5,579
7-Unsuit. Timber	4,080	8,311	1,737	27,599	10,954	12,509	65,190
8-Pinon & Juniper	32,920	86,713	98,440	46,535	53,817	17,304	335,729
9-High Grassland	8,273	5,124	0	8,823	41,793	2,290	66,303
10-Low Grassland	4,559	9,022	186	1,445	32,505	427	48,144
11-Reveg. Areas	14,788	15,793	5,489	2,398	39,365	5,309	83,142
12-Sagebrush	8,508	7,376	6,307	974	19,241	268	42,674
13-Oak	16,311	2,395	4,408	8,195	1,958	1,269	34,536
14-Riparian	190	1,870	346	17,032	5,405	4,437	29,280
15-Poten.Rec.	0	210	0	3,631	9	3,485	7,335
16-Exist Rec.	109	28	3	535	163	2,697	3,535
17-Wilderness	2,900	0	0	24,735	18,902	70,156	116,693
18-Wild & Scenic	0	0	0	0	0	2,065	2,065
19-Special Areas	0	300	0	620	60	1	981
20-Semi-Primitive	9,944	28,536	0	20,058	10,176	15,249	83,963
21-Valle Vidal	0	0	0	0	0	101,794	101,794
TOTAL	137,312	275,295	145,517	309,009	352,140	271,555	1,491,428

H. Miscellaneous

Table H-2. Land Classification (for timber production) for Each Management Area (Acres)

Mgt.Area	1. Non Forest ¹	2. Forest	3. Withdrawn ²	4. Not Suitable ³	5. Tentatively Suitable ⁴ [2-3&4]	6. Not Appropriate ⁵	7. Unsuitable ⁶ Forest Land [3+4+6]	8.Total Suitable Forest Land ⁷ [2-7]	9.Total Nat. Forest Land ⁸ [1+2]
1-Spruce <40%	0	68,803	0	0	68,803	15,031	15,031	53,772	68,803
2-Spruce >40%	0	6,873	0	0	6,873	6,873	6,873	0	6,873
3-MC <40%	0	165,295	0	0	165,295	32,089	32,089	133,206	165,295
4-PP <40%	0	192,794	0	0	192,794	0	0	192,794	192,794
5-MC/PP >40%	0	30,020	0	0	30,020	30,020	30,020	0	30,020
6-Aspen	0	5,579	0	0	5,597	5,597	5,597	0	5,579
7-Unsuit. Timber	0	65,190	0	65,190	0	0	65,190	0	65,190
8-PJ	0	336,429	0	336,429	0	0	336,429	0	336,429
9-High Grass	66,303	0	0	0	0	0	0	0	66,303
10-Low Grass	48,144	0	0	0	0	0	0	0	48,144
11-Reveg. Areas	83,142	0	0	0	0	0	0	0	83,142
12-Sagebrush	42,674	0	0	0	0	0	0	0	42,674
13-Oak	0	34,536	0	34,536	0	0	34,536	0	34,536
14-Riparian	4,400	24,880	0	0	24,880	24,880	24,880	0	29,280
15-Poten.Rec.	0	7,335	0	0	7,335	7,335	7,335	0	7,335
16-Exist Rec.	0	3,535	0	0	3,535	3,535	3,535	0	3,535
17-Wilderness	26,424	90,969	90,969	0	0	0	90,969	0	117,393
18-Wild & Scenic	300	1,765	1,765	0	0	0	1,765	0	2,056
19-Special Areas	1	980	0	360	620	620	980	0	981
20-Semi-Primitive	18,586	65,377	8,208	30,515	26,654	26,654	65,377	0	83,963
21-Valle Vidal	21,435	80,359	0	10,359	70,000	70,000	80,359	0	101,794
TOTAL	311,409	1,180,719	100,942	477,389	602,388	221,616	800,947	379,772	1,492,128

¹Land other than where trees can grow. Includes water, such as lakes.

²Forest land withdrawn from timber production.

³Unsuitable for timber production because ...

...the forest land is not capable of producing crops of industrial wood.

...forest land – inadequate information

...the forest land is physically unsuitable...

.....irreversible damage is likely to occur.

.....not restockable within 5 years.

⁴Forest land tentative unsuitable for timber production.

⁵Forest land not appropriate for timber production.

⁶A total of forest land unsuitable for timber production.

⁷A total of forest land suitable for timber production.

⁸Total National Forest land – both forest and non-forest.

Table H-3 displays expected resource outputs in 2030 and the corresponding issues that are addressed.

Table H-3. Desired future condition by the year 2030 and corresponding ICO's (Amendment 11)

ITEM	UNIT	ANNUAL OUTPUT	ISSUE
Allowable Sale Quantity 1/	MMCF MMBF	9.0 46.9	1, 11
Sawtimber Forest total VFSYU only	MMBF MMBF	36.8 6.5	1, 11 1, 11
Products Forest total VFSYU only	MMBF MMBF	10.1 1.1	1, 11
P-J Firewood (green) Down/dry Firewood (slash)	MMBF MMBF	4.6 6.2	2, 11 2, 11
Permitted Grazing Use	MAUM	127	6, 10, 11
Developed Recreation	MRVD	1464	7, 11
Dispersed Recreation	MRVD	647	8, 10
Wildlife Recreation	MWFUD	244	5, 10
Wilderness Recreation	MRVD	32	3, 4, 11
Water Yield	MA-F	345	9

Standard Vegetative Management Practices for Certain Composition, Structure, and Function Attributes (use at the site/stand level).

COMPOSITION (Forest Type*)	Aspen and Western Live Oak	Engelmann Spruce-Subalpine Fir, White Fir, Blue Spruce, Limber Pine, Rocky Mountain Juniper, Cottonwood-willow, Interior Ponderosa Pine, Pinyon-Juniper, Arizona Cypress, and Mesquite	All forest Types	Grass-land, Meadow, and Alpine
STRUCTURE	DESIRED ONE-AGED, SINGLE-STORIED STAND (One-age class comprises >= 90% of total stand BA for most of the rotation. Age difference between oldest and youngest tree in a class is less than 20% of the rotation)		DESIRED TWO-AGED, TWO-STORIED STAND (Two age classes, each > 10% BA most of rotation)	ANY DESIRED ONE-, TWO-, OR MULTI-STORIED STAND
	Coppice Regeneration Method (vegetative regeneration function)	Clearcutting Regeneration Method (no trees function for seed/shelter)	Shelterwood Regeneration Method (some trees function for seed/shelter)	Irregular Shelterwood Regeneration Method (function for continuous tree cover)
FUNCTION	Activity	Activity	Activity	Activity
	Coppice	Preparatory	Preparatory	Improvement
VEGETATIVE	Coppice w/Reserves	Seed	Seed	Liberation
		1-10% tree cover post harvest:	Group Seed	Thinning Commercial & Noncommercial
MANAGEMENT		Patch cut	Strip Seed	Mortality Salvage
		Strip cut	Removal	Sanitation Salvage
PRACTICE		Stand cut	Final Removal	Cull Salvage
		6-10% tree cover post harvest:	Group Removal w/Reserves	Prescribed Fire
		Patch cut w/Reserves	Final Removal w/Reserves	Cleaning
		Strip cut w/Reserves	Coppice Regeneration Method	Weeding
		Strip cut w/Reserves	Coppice w/Standards (understory must regenerate vegetatively, suckers/sprouts)	
		Stand cut w/Reserves	Coppice Removal w/Reserves	

*Eyre, F.H. 1980. Forest cover types of the United States and Canada. Society of American Foresters, Washington, D.C. 148 P.

TEN-YEAR SALE SCHEDULE

Table Timber-3 displays the timber sale schedule. Ranger sales are small sales and generally do not require any road construction or reconstruction. Several Ranger sales may be offered to form the volumes shown.

The timber sale program is based on current conditions and information. If conditions change or new information becomes available, the timber sale program will be modified.

Most timber management activity is planned for suitable forest land, but activity also occurs on some land areas in the unsuitable categories. Only chargeable timber volumes from suitable forest land is included in the allowable sale quantity. Timber activities on unsuitable lands may include the following:

1. Salvage or sanitation harvesting of trees or stands substantially damaged by fire, windthrow, other catastrophes, or which are in imminent danger from insect or disease attack.
2. Cutting of individual trees or stands to test logging systems, to conduct experiments, or for the purpose of gathering information about tree growth, insect or disease organisms, or the effect of such harvesting on other resources.
3. Cutting of trees to promote the safety of forest users. This includes hazard tree removal in camp and picnic grounds, in administrative sites, and along roads open to the public.
4. Harvesting to meet habitat objectives for threatened or endangered animal or plant species or to maintain or improve habitat for other wildlife or fish management indicator species.
5. Harvesting to improve the scenic resource by opening scenic vistas or by improving visual variety.
6. Harvesting to provide for access, for example road construction.
7. Harvest of convertible products like firewood, latillas, or fence posts and non-convertible products like wildings and Christmas trees.

Most activity on unsuitable land is related to items 1, 4, and 7. Estimated volume for these activities is included in Table Timber-3. Additional description of activities is included in the Forest-wide and specific Management Area standards and guidelines.

C. Forest-wide Prescriptions

Allowable Sale Quantity

The average annual allowable sale quantity (ASQ) and timber sale program quantity for the first decade is shown in Table Timber-2. The timber sale program quantity includes the total of: 1) chargeable volume planned for sale from suitable lands (ASQ), and 2) the estimated non-chargeable volume from suitable and unsuitable lands. Harvests of aspen from MA-6 and pinon-juniper firewood are examples on non-chargeable volume.

Table Timber-2. Allowable sale quantity and timber sale program quantity (annual average for first decade)

	CHARGEABLE VOLUME				
HARVEST METHOD	SAWTIMBER MMBF	SAWTIMBER MMCF	PRODUCTS MMBF	PRODUCTS MMCF	TOTAL
Regeneration Harvest:					
..Clearcut	4.5	0.9	0.5	0.1	
..Shelterwood:		No esti- mate			
....Preparatory cut		No esti- mate	N/A	N/A	
....Seed cut	7.3	1.5	N/A	N/A	
....Removal cut	16.6	3.4	N/A	N/A	
..Selection	0.3	0.1	0.5	0.1	
Intermediate harvests:		3.0	0.6	2.0	0.2
Total ¹	32.0	6.5	3.0	0.4	35.0 6.9
	NON-CHARGEABLE VOLUME				
Total ²	1.6	0.3	4.9	0.8	6.5 1.1
GRAND TOTAL ³					
...MMBF					41.5
...MMCF					8.0

¹ Only includes chargeable volumes from suitable lands.

² Only includes nonchargeable volumes from suitable and/or unsuitable lands.

³ Total of allowable sale quantity and additional sales.

C. Forest-wide Prescriptions

Table Timber-3. Ten Year Sawtimber Offering Schedule.

Ranger District	FISCAL YEAR..... Sale	..'87 Vol. ¹	FISCAL YEAR..... Sale	..'88 Vol. ¹	FISCAL YEAR..... Sale	..'89 Vol. ¹
Canjilon	Mogote	2.2	Del Medio Ranger Sales	1.3 0.1	Blas	1.3
El Rito	La Jara	3.7	Big Rock ²	4.2	Little Rock ²	4.1
	Ranger Sales	1.7	Ranger Sales	1.5	El Rito Ranger Sales	8.6 0.8
Camino Real	Picacho Dropout Osha Ranger Sales	5.4 2.2 3.6 2.5	Alamitos Frijoles Ranger Sales	5.3 1.6 1.0	Palociento Ranger Sales	0.0 ³ 1.1
Tres Piedras	Jawbone Ranger Sales	1.1 0.5	Loco Buffalo II Ranger Sales	3.8 0.8 0.2	Broke-Off Ranger Sales	5.3 0.1
Questa			Sawmill Molycorp	1.2 0.6	Anchor I	1.6
Total		22.9		21.6		22.9

¹ Millions of Board Feet (MMBF). Volumes are estimates. Carson Forest Plan objectives, and standards/guidelines take precedence over exact sale volume. Overall volume for decade will be met. 1987-89 are actual accomplishments. 1990-96 are estimates.

² These are sales within the Vallecitos Federal Sustain Yield Unit. Some of the Ranger Sales on El Rito will also be in VFSYU.

³ 2.4 MMBF offered but not sold.

C. Forest-wide Prescriptions

Table Timber-3. Ten Year Sawtimber Offering Schedule (continued).

Ranger District	FISCAL YEAR..... Proposed Sale	..'90 Vol. ¹	FISCAL YEAR..... Proposed Sale	..'91 Vol. ¹	FISCAL YEAR..... Proposed Sale	..'92 Vol. ¹
Canjilon	Ranger Sales	0.1	Dulce Ranger Sales	4.2 0.1	Ranger Sales	0.1
El Rito	Borracho ² Valle Grande ² Ranger Sales	5.0 7.1 2.5	Felipito ² Ranger Sales	7.0 2.0	La Manga ² Ranger Sales	7.0 2.5
Camino Real	Maestas Ridge Ranger Sales	7.3 2.0	Angostura Ranger Sales	8.0 4.2	Ojo/Ryan Ranger Sales	9.5 5.0
Tres Piedras	Ranger Sales	1.0	Tanques-Banco Ranger Sales	5.5 1.0	Little Tusas Ranger Sales	6.0 1.0
Questa	Foster	2.0	Anchor II Ranger Sales	1.5 0.5	Saddle	1.5
Total		27.0		34.0		32.6

Table Timber-3. Ten Year Sawtimber Offering Schedule (continued).

Ranger District	FISCAL YEAR..... Proposed Sale	..'93 Vol. ¹	FISCAL YEAR..... Proposed Sale	..'94 Vol. ¹
Canjilon	Ranger Sales	0.1	Madera/Oso Ranger Sales	2.8 0.1
El Rito	Caballos ² Ranger Sales	7.0 2.5	Escondida ² Ranger Sales	7.0 2.5
Camino Real	Luna Cueva Ranger Sales	2.5 9.5 6.5	Telephone/Borrego Ranger Sales	11.0 3.0
Tres Piedras	Butterfly Ranger Sales	5.5 0.5	Deer Park Ranger Sales	6.0 2.0
Questa	Van Diest I	1.5	Mallette Ranger Sales	1.5 0.5
Total		35.6		36.4

C. Forest-wide Prescriptions

Table Timber-3. Ten Year Sawtimber Offering Schedule (continued).

Ranger District	FISCAL YEAR..... Proposed Sale	.. '95 Vol. ¹	FISCAL YEAR..... Proposed Sale	.. '96 Vol. ¹
Canjilon	Canyon Ranger Sales	1.4 0.1	Yeso Ranger Sales	1.4 0.1
El Rito	Agua ² Palo Ranger Sales	4.0 2.5 2.5	Burro ² Mountain Ortega Ranger Sales	4.5 2.5 2.5 2.0
Camino Real	Casita/Capulin Paradise Ranger Sales	5.0 4.0 4.5	Alamitos II Black Ranger Sales	4.0 5.0 4.5
Tres Piedras	Nutritas/Olguin/ San Antone Ranger Sales	8.0 1.5	Willow Cow Ranger Sales	3.5 2.0 1.5
Questa	Bobcat	2.0	Van Diest II Ranger Sales	1.5 0.5
Total		35.5		35.5

1987 - 1996 TOTALS

Estimated Volume for Scheduled Sales (1987-96)	304.0
Planned Volume Not Yet Scheduled (1990-96)	16.0
Planned Volume to Be Sold (1987-96)	320.0

¹ Millions of Board Feet (MMBF). Volumes are estimates. Carson Forest Plan objectives, and standards/guidelines take precedence over exact sale volume. Overall volume for decade will be met. 1987-89 are actual accomplishments. 1990-96 are estimates.

² These are sales within the Vallecitos Federal Sustain Yield Unit. Some of the Ranger Sales on El Rito will also be in VFSYU.