

Table 9. Summary of Vegetation Management Practices (cont.)

Vegetation Types	Practices	Acres Treated	Rationale
Piñon-Juniper	Prescribed Burning	37000	This practice is applied to reduce ground fuels . This reduces fire hazard and helps prepare a favorable seed bed for natural regeneration. It also reduces some competition for light and moisture between tree seedlings and other plants. Burning is used because it is cheaper than other method of fuel treatment and site preparation.
	Fuelwood Harvest	12000	This practice is the harvest of mature piñon and juniper stands for fuelwood and to promote increased forage for livestock and wildlife. The harvest will be done using shelterwood or small clear cuts.
	Prescribed Burning	52000	This practice reduces ground fuels and stimulates new growth of forbs and browse plants to benefit wildlife and cattle. Fuel reduction will decrease fire hazard. Burning is the most cost effective method.
	Wildlife Forage Planting	1200	This practice involves establishing browse, forbs, and shrub species for the benefit of wildlife species. Planting is done because natural regeneration is not adequate and natural habitat production capability is insufficient in certain areas.
	Seedling	0	This practice involves seeding areas with forage species where natural seed sources are inadequate. Seeding is the most effective way to increase forage.
	Mechanical Control	3700	<b>This practice involves pushing or chaining selected areas of piñon and juniper trees using crawler tractors. The objective is to increase non-wood herbaceous production to improve watershed condition and increase forage for wildlife and livestock. This treatment will be used in areas where fuelwood harvest or, prescribed burning is impractical or ineffective.</b>

**P08, P09**      Use prescribed fire with planned and unplanned ignitions to accomplish resource management objectives. Unplanned ignitions that occur between April 1 and July 15 will be managed as Wildfire.

### **Carrizo Integrated Resource Area**

**Description**      The Carrizo Integrated Resource Area is designated as a pilot project for development and implementation of land management strategies. Primary objectives are to restore watersheds to satisfactory condition, increase forage production for wildlife and livestock, improve the health of the ecosystem and increase biological diversity. The activities shown below are part of scheduled projects to meet the primary objectives. These activities, such as watershed improvement, have not been listed in the current Management Area Standards and Guidelines, or they contain different quantities of outputs. Other activities, such as structural range improvement, fit within the framework of the current Standards and Guidelines, and are not listed below.

The portion of 1A within the Carrizo integrated Resource Area includes the Patos Mountains. Elevations range from 6,500 to 8,500 feet. Approximately 90% of this area consists of pinyon-juniper woodland, while the remaining 10% is made up of mixed conifer, ponderosa pine and non-forest. The area contains four grazing allotments: Welch, and portions of the Lone Mountain, Bar W and Spencer Allotments. The area also includes the Patos Allotment, which is closed to grazing.

#### **Management Direction**

#### **Activities**

#### **For Carrizo Integrated Resource Area**

<b>Wildlife</b>	<b>C03</b>	Develop at least 2 waters for wildlife, dispersed to reach objective of providing maximum travel distance of one mile.
<b>Range</b>	<b>D03</b>	Unsatisfactory range condition will be treated through development of improved allotment management including approximately 600 acres of non-structural range improvement.
<b>Timber</b>	<b>E06, E07</b>	Manage woodland for production of approximately 250 MBF of PJ fuelwood and non-convertible products.
<b>Soil and Water</b>	<b>F02, F03 F09</b>	Unsatisfactory watershed condition will be treated through evaluation, implementation and monitoring of structural and non-structural watershed improvements on approximately 625 acres.
	<b>F03, L19</b>	Close or obliterate about 8 miles of roads and travelways identified for such action through the Resource Access Travel Management plan.

## **Carrizo Integrated Resource Area**

**Description**     The Carrizo Integrated Resource Area is designated as a pilot project for development and implementation of land management strategies. Primary objectives are to restore watersheds to satisfactory condition, increase forage production for wildlife and livestock, improve the health of the ecosystem and increase biological diversity. The activities shown below are part of scheduled projects to meet the primary objectives. These activities, such as watershed improvement, have not been listed in the current Management Area Standards and Guidelines, or they contain different quantities of outputs. Other activities, such as structural range improvement, fit within the framework of the current Standards and Guidelines, and are not listed below. The portion of 1B within the Carrizo Integrated Resource Area includes Benado Gap, Carrizo Canyon, Tucson Mountain, and Capitan Divide. Elevations range from 6,600 to 8,300 feet. Approximately 90% of this area consists of piñon-juniper woodland, while the remaining 10% is made up of mixed conifer, ponderosa pine and non-forest. The area contains portions of six grazing allotments: Benado Gap, Bar W, Tucson, Capitan Divide, Welch, and Indian Divide.

### **Management Direction**

	<b><u>Activities</u></b>	<b><u>For Carrizo Integrated Resource Area</u></b>
<b>Wildlife</b>	<b>C02</b>	Utilize prescribed fire on approximately 650 acres to increase forage production for wildlife.
	<b>C03</b>	Develop at least 1 water for wildlife, dispersed to reach objective of providing maximum travel distance of one mile.
<b>Range</b>	<b>D03</b>	Unsatisfactory range condition will be treated through development of improved allotment management including approximately 600 acres of non-structural range improvement.
<b>Timber</b>	<b>E06, E07</b>	Manage woodland for production of approximately 1,300 MBF of PJ fuelwood and non-convertible products.
<b>Soil and Water</b>	<b>F02, F03 F09</b>	Unsatisfactory watershed condition will be treated through evaluation, implementation and monitoring of structural and non-structural watershed improvements of approximately 750 acres.
	<b>F03, L19</b>	Close or obliterate about 5 miles of roads and travelways identified for such action through the Resource Access Travel Management plan.

Protection	P04, P08	Zone C. Suppression objective 1,000 acres or less. (See Figure 1)
	P09	Use prescribed fire with planned and unplanned ignitions to accomplish resource management objectives. Unplanned ignitions that occur from April 1 to July 15 will be managed as wildfire.

#### Carrizo, Integrated Resource Area

**Description** The Carrizo Integrated Resource Area is designated as a pilot project for development and implementation of land management strategies. Primary objectives are to restore watersheds to satisfactory condition, increase forage production for wildlife and livestock, improve the health of the ecosystem and increase biological diversity. The activities shown below are part of scheduled Projects to meet the primary objectives. These activities, such as watershed improvement, have not been listed in the current Management Area Standards and Guidelines, or they contain different quantities of outputs. Other activities, such as structural range improvement, fit within the framework of the current Standards and Guidelines, and are not listed below.

The portion of 1D within the Carrizo Integrated Resource Area includes Indian Divide, Tucson Mountain, Read Mesa, and Capitan Divide. Elevations range from 6,400 to 8,300 feet. Approximately 9007 acres of this area consists of piñon-juniper woodland. while the remaining 10% is made up of mixed conifer, ponderosa pine and non-forest. The area contains portions of seven grazing allotments: Benado Gap, Bar W, Tucson, Capitan Divide, Fritz, Comery and Indian Divide.

#### Management Direction

##### Activities For Carrizo Integrated Resource Area

Wildlife	C02	Utilize prescribed fire on approximately 1,3100 acres to increasee forage production for wildlife.
	C03	Develop at least 3 waters for wildlife, dispersed to reach objective of providing maximum travel distance of one mile.
Range	D03	Unsatisfactory range condition will be treated through development of improved allotment management including approximative 2,300 acres of non-structural range improvement.
Timber	E06, E07	Manage woodland for production of approximately 1,!G0 MBF of PJ fuelwood and non-convertible products.
Soil and Water	F02, F03 F09	Unsatisfactory watershed condition will be treated through evaluation, implementation and monitoring of structural and non -structural watershed improvements on approximately 2,500 acres.
	F03, L19	Close or obliterate about 8 miles of roads and travelway identified for such action through the Resource Access Travel Management plan .

## MANAGEMENT AREA 1E CARRIZO PEAK/NOGAL PEAK

### Description

Carrizo Peak/Nogal Canyon - Smokey Bear Ranger District

This analysis area is bounded on the north by private land. on the east and south by the Rio Bonito Watershed, and on the west by private land and Forest Roads 400 and 108. Elevations range from approximately 5,900 to 8,600 feet. It consists of 3,434 acres of tentatively suitable timber land, with 230 acres of aspen, 2,629 acres of mixed conifer, and **57.5** acres of ponderosa pine There are 15,618 acres of pinyon-juniper woodland. The area contains three grazing allotments: Spencer, Pino, and Roberts; and portions of five others: Bar-W, Indian Divide, Kudner, Alienated and Nogal Lake.

### Management Direction

All resources are managed at levels compatible with preserving soil productivity.

### Timber Suitability Acres

Total National Forest	22,291
Non-forest	3,239
Legislatively or administratively withdrawn	-0-
Physically unsuited	15,618
Tentatively suitable	3,434
Non-appropriate	2,275
Suitable (No entry first period)	1,159

### Activities

### Standards and Guidelines

Recreation	A03	Manage to retain the following acres of Visual Quality Objectives:	Retention:	1, 002 acres
			Partial Retention:	13,587 acres
			Modification:	6, 709 acres
			Maximum Modification:	993 acres
	A05	Construct a trailhead (24 PAOT) at Nogal or Tortolita		
	A15	Manage for SP , SPM and RN ROS classes. Service will be at less than standard service level with a maximum reduction of existing acres of 10 percent for the SP class.	Current ROS Classes:	
			Semi-primitive non-motorized:	6, 425 acres
			Semi-primitive motorized:	13, 802 acres
			Roaded natural:	2,064 acres
Range		Range condition (in acres) by end of period	Unsatisfactory condition	6,058
			Satisfactory condition	10,969
			NAC	5,264
			Non Allotment	-----

	D02	Achieve low (B) level of management on all full capacity range.
	D02	Unsatisfactory range condition will be treated by implementing improved management .
Minerals	G02	Include a limited surface use stipulation in oil and gas leases for the following areas: Ranchmen's Camp 20 acres VQO Retention (foreground) 773 acres
Lands	J04	Evaluate the need for continuance of Nogal Lake mineral withdrawal.
	J15	Acquire private land on an opportunity basis.
Protection	P04	That portion of the management area north and east of State Highway 37 is Zone C. Suppression objective is 1,000 acres or less. The remainder of the management area is Zone D. Suppression objective 10 acres or less. (See Figure 1)
	P08, P09	Use prescribed fire with planned and unplanned ignitions to accomplish resource objectives throughout the management area. Unplanned ignitions occurring between April 1 and July 15 will be managed as wildfire.

#### **Carrizo Integrated Resource Area**

**Description** The Carrizo Integrated Resource Area is designated as a pilot project for development and implementation of land management strategies. Primary objectives are to restore watersheds to satisfactory condition, increase forage production for wildlife and livestock, improve the health of the ecosystem and increase biological diversity. The activities shown below are part of scheduled projects to meet the primary objectives. These activities, such as watershed improvement, have not been listed in the current Management Area Standards and Guidelines, or they contain different quantities of outputs. Other activities, such as structural range improvement, fit within the framework of the current Standards and Guidelines, and are not listed below.

The portion of 1E within the Carrizo, integrated Resource Area includes the Carrizo Mountain area and the Vera Cruz Mountains. Elevations range from 6,200 to 9,600 feet. Approximately 70% of this area consists of pinyon-juniper woodland, while the remaining 30% is made up of mixed conifer, ponderosa pine and non-forest. The area contains portions of six grazing allotments: Spencer, Pino, Roberts, Bar W, Indian Divide, and Vera Cruz.

#### **Management Direction**

	<b><u>Activities</u></b>	<b><u>For Carrizo Integrated Resource Area</u></b>
Wildlife	C03	Develop at least 1. waters for wildlife, dispersed to reach objective of providing maximum travel distance of one mile.
Range	D03	Unsatisfactory range condition will be treated through development of improved allotment management including approximately 150 acres of non-structural range improvement.
Timber	E06, E07	Manage woodland for production of approximately 200 MBF of PJ fuelwood and non-convertible products.
Soil and Water	F02, F03	Unsatisfactory watershed condition will be treated through evaluation, implementation and monitoring of structural and non-structural watershed improvements on approximately 200 acres.