

FOREST MANAGEMENT OBJECTIVES

The projected annual levels of goods and services which will be available from the Forest, with full implementation of the Plan, are summarized in Table 4-1. Planned outputs and activities are the resource management objectives for the Forest. Table 4-1 also shows the annual funding levels necessary to meet the proposed outputs and activities. A narrative description of the planned resource programs and objectives follows the table.

The Forest objectives or planned average annual scheduled outputs and effects may not always be accomplished in any given year. Changes in budgets, data, assumptions, or other items used in the development of the Plan could affect accomplishment of outputs and activities. Should appropriated budgets or personnel vary significantly from the planned needs, final outputs of goods and services may vary according to the funding level. Adjustments in outputs and effects will be evaluated to determine whether adjustment of the Plan is necessary.

Appendix A identifies projects anticipated to occur on the Forest in the next 10 years.

TABLE 4-1. PROJECTED RESOURCE OUTPUTS AND EFFECTS EXPRESSED AS AN AVERAGE ANNUAL YIELD/DECADE

OUTPUTS/EFFECTS	UNIT	DECADES				
		1	2	3	4	5
RECREATION						
Developed Recreation Use	M RVD's ¹	280	340	370	395	415
Developed Recreation Capacity	M PAOT Days	702.4	718.9	748.4	753.9	765.9
Nonwilderness Dispersed Recreation Use Capacity						
-Roaded	M RVD's	2,832	2,967	2,933	2,906	2,884
-Unroaded	M RVD's	132	122	120	118	115
Dispersed Recreation Use	M RVD's	1,194	1,253	1,317	1,373	1,431
Wildlife Use (Big Game)	M WUD's ²	540	525	534	528	550
Fish Use						
-Anadromous	M FUD's ²	44.8	74.1	87.1	100.2	113.2
-Resident	M FUD's	11.75	135.5	148.8	162.2	175.5
Wilderness Use	M RVD's	115	119	139	159	180
Wilderness Capacity	M RVD's	180	180	180	180	180
Roads Suitable for Public Use						
-Passenger Car	Miles	900	925	950	950	950
-High Clearance Vehicles	Miles	2,530	2,677	2,823	2,823	2,823
Trail Construction/Reconstruction	Miles	30	35	40	45	50
Trail Maintenance Miles	Miles	400	550	650	750	800
Developed Site Construction/Reconstruction	Persons At One Time (PAOT)	255	290	240	120	120
Recreation Opportunity Spectrum (ROS)						
-Primitive	M Acres	128	128	128	128	128
-Semi-Primitive Nonmotorized	M Acres	254	254	254	254	254
-Semi-Primitive Motorized	M Acres	115	115	115	115	115
-Roaded Natural	M Acres	203	203	203	203	203
-Roaded Modified	M Acres	806	806	806	806	806
-Rural	M Acres	5	5	5	5	5
Visual Quality Objectives						
-Preservation	M Acres	304	304	304	304	304
-Retention/Partial Retention	M Acres	388	388	388	388	388
-Modification/Max. Mod.	M Acres	819	819	819	819	819
Wild and Scenic Rivers						

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OUTPUTS/EFFECTS	UNIT	DECADES				
		1	2	3	4	5
-Wild	Miles	60.4	60.4	60.4	60.4	60.4
-Scenic	Miles	10.5	10.5	10.5	10.5	10.5
-Recreation	Miles	3.9	3.9	3.9	3.9	3.9
WILDLIFE						
Wildlife Management Indicator Species						
-Pileated Woodpecker	Potential No.	810	740	680	680	680
-Northern Three-toed Woodpecker	Potential No.	240	215	215	210	190
-Pine Marten	Potential No.	360	330	300	270	250
-Primary Cavity Excavators	% of Potential Population	65	65	65	65	65
Wildlife Habitat Structural Improvement	No. Structures	75	100	100	100	100
Wildlife Habitat Nonstructural Improvement	M Acres	10.0	12.0	12.0	12.0	12.0
BIG GAME						
Rocky Mountain Elk	Potential No.	21,200	20,600	20,900	20,700	21,500
-Satisfactory Cover	M Acres	164.7	181.2	185.1	227.2	258.4
-Habitat Effectiveness Index	Percent	69	67	68	68	70
Mule Deer	Potential No.	18,300	17,700	18,200	17,800	18,700
Open Road Density ³	Mi. per Sq. Mi.	2.0	2.1	2.2	2.2	2.2
FISH						
Fish Management Indicator Species						
-Steelhead	M Smolts	1,841	2,504	2,835	3,165	3,496
-Rainbow Trout	M Legal Trout	473	525	543	561	578
Fish Commercial Harvest	M Lbs.	70.4	113.6	132.7	151.9	171.0
Anadromous Fish Production	M Smolts	2,818	4,619	5,419	6,220	7,020
Anadromous Fish Habitat Improvement	M Lbs.	20.7	41.4	62.1	82.8	103.5
RIPARIAN						
Riparian Regeneration Harvest	Acres	50	76	199	41	103
TIMBER						
Lands Tentatively Suitable for Timber Production	M Acres	807.2	807.2	807.2	807.2	807.2
Lands Suitable for Timber Production	M Acres	618.8	618.8	618.8	618.8	618.8
Lands with Timber Yield Reduction	M Acres					
-Full Yield		413.3	441.3	441.3	441.3	441.3
-50-99% of Full Yield		177.5	177.5	177.5	177.5	177.5
-1-49% of Full Yield		0	0	0	0	0
-Unregulated		188.4	188.4	188.4	188.4	188.4
Long-term Sustained-yield	MMCF	32.8	32.8	32.8	32.8	32.8
Timber Sale Program Quantity	MMCF	28.4	28.4	30.3	30.3	30.3
Allowable Sale Quantity (ASQ)		22.2	22.2	23.7	23.7	23.7
Ponderosa pine included in ASQ		4.2	3.8	3.9	4.8	4.6
-Chip Material		3.6	3.6	3.8	3.8	3.8
-Firewood		2.6	2.6	2.98	2.8	2.8
Timber Sale Program quantity	MMBF	159	159			
Allowable Sale Quantity (ASQ)		124	124			
Ponderosa pine included in ASQ		24	21			
-Chip Material		20	20			
-Firewood		15	15			
Harvest Prescriptions	M Acres					
-Clearcut		4.0	3.3	2.8	3.1	2.3
-Shelterwood		2.6	3.2	3.3	2.8	3.0

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OUTPUTS/EFFECTS	UNIT	DECADES				
		1	2	3	4	5
-Overwood/Shelterwood Removal		1.5	1.2	2.4	2.5	2.1
-Commercial Thinning		0.1	0.0	1.6	0.0	1.6
-Uneven-aged Mgmt.		0.9	1.2	2.4	1.3	2.3
Reforestation Planting	M Acres	4.4	3.6	3.7	3.4	3.1
Natural Regeneration	M Acres	3.1	4.0	4.8	3.7	5.6
Timber Stand Improvement	M Acres	2.9	3.3	5.0	6.2	6.3
Pest Management Stands Acres Managed	M Acres	108	104	143	129	148
FIRE						
Fire Management Effectiveness Index	\$'s/M Protected Acres	779	779	779	779	779
Fuel Treatment	M Acres					
-Activity Fuel		5.8	6.3	7.4	6.4	6.8
-Natural Fuels		3.4	3.4	3.4	3.4	3.4
TRANSPORTATION						
Arterial/Collector Road Reconstruction	Miles	33	26	22	22	22
Local Roads Construction/Reconstruction	Miles	92/61	27/25	14/20	7/20	3.5/20
Road Maintenance	Miles	4,538	4,777	4,949	4,978	5,005
RANGE						
Permitted Grazing	1,000 AUM's	58.0	58.0	58.0	58.0	58.0
Potential Grazing	1,000 AUM's	62.8	73.5	75.5	70.8	67.9
Available Forage	Million Pounds	219.7	257.6	267.2	251.8	243.0
Vegetation Management	M Acres	1.7	1.7	1.7	1.7	1.7
WATER AND SOIL						
Water Yield Estimate	M Acre Feet	2,460	2,460	2,460	2,460	2,460
Sediment Yield Estimate	Tons (Index)	19,700	20,000	20,300	21,500	20,600
Improved Watershed Condition	Acres	454	815	843	729	680
MINERALS AND ENERGY						
Minerals Proposals, Leases, & Applications	Cases	240	264	290	329	351
Energy Minerals Production						
-Lignite	Billion BTUs ⁴	0	0	0	0	0
-Oil and Gas		138	690	690	690	1,400
-Geothermal		0	0	0	0	0
Non-Energy Minerals Production	Million \$'s	0.9	13.8	13.8	13.8	31.8
Area Open for Development	M Acres	872	872	872	872	872
LANDS						
Land Exchange	Acres	500	350	250	100	50
Land Line Location	Miles	37.5	-	-	-	0
Maintenance	Miles	83	83	83	83	
SOCIOECONOMIC						
Present Net Value	Millions of \$'s	1,000.2	-	-	-	-
Returns to Treasury	Millions of \$'s	20.1	22.1	24.6	26.3	29.0
Payments to Counties	Millions of \$'s	5.0	5.6	6.1	6.6	7.2
Changes in Employment	Number of Jobs	+375	-	-	-	-
Changes in Income	Millions of \$'s	+4.6	-	-	-	-
Total Budget Costs	Millions of \$'s	20.5	18.1	19.4	18.7	18.1
Operational Cost	Millions of \$'s	11.4	11.4	11.8	11.7	11.7
Capital Investment Cost	Millions of \$'s	9.1	6.7	7.6	7.1	6.4

1 Recreation Visitor Days

2 Wildlife and/or Fish User Days

3 Forest-wide estimated mi./sq. mi. result based on Forest Plan intent and management objectives.
4 British Thermal Units