

APPENDIX A

ACTIVITY SCHEDULES

The Activity Schedules are listed by Resource Elements and Support Service Elements. The index to Resource Elements is as follows. The index to the Support Service Elements follows on page A-42.

Resource Elements

Activity Schedules for Resource Elements are listed as follows:

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Cultural Resource Activity Schedule	A-3
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Wildlife and Fish Habitat Improvement Activity Schedule	A-6
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RECREATION ACTIVITY SCHEDULE

The Ten-Year Activity Schedule for Recreation Construction and Reconstruction schedules activity development for large projects and small projects at recreation sites, and trail and trailhead projects.

TABLE A-1

RECREATION CONSTRUCTION/RECONSTRUCTION ACTIVITY SCHEDULE

Project Name or Description	Ranger District	MIH Code	Unit of Measure	Output Units	Year	Management Area
DEVELOPED RECREATION SITES- LARGE PROJECT PROGRAM						
Old Folks Flat-Phase II	Price	A06	PA0T	310	1986	DRS
Ferron Reservoir Complex	Ferron	A06	PA0T	280	1991	DRS
Dalton Springs	Monticello	A06	PA0T	65	1995	DRS
DEVELOPED RECREATION SITES- SMALL PROJECT PROGRAM						
Joes Valley Reservoir-Phase II	Ferron	A06	PA0T	240	1987	DRS
Twelve Mile Flat	Sanpete	A06	PA0T	140	1988	
Devil's Canyon	Monticello	A06	PA0T	250	1990	DRS
Buckboard	Monticello	A06	PA0T	160	1992	DRS
Spring City	Sanpete	A06	PA0T	50	1995	
TRAILHEAD CONSTRUCTION						
Dark Canyon	Monticello	L12/A05	Trailhead	1	1989	TBR
Fish Creek NRT	Price	L12/A06	Trailhead	1	1993	SPR
Transmountain	Moab	L12/L05	Trailhead	1	1995	RNG
TRAIL RECONSTRUCTION						
Fish Creek NRT-Bridges	Price	L22	Bridge	2	1987	SPR
Mill Canyon Loop-Bridge	Price	L22	Bridge	1	1989	UDM
Clark's Lake Loop	Moab	L22	Miles	1	1991	RNG
Silver/Gooseberry	Price	L22	Miles	3	1993	SPR
Woodenshoe/Dark Canyon	Monticello	L22	Miles	7	1995	DCW

CULTURAL RESOURCE ACTIVITY SCHEDULE

The following table (A-2) gives projected minimum outputs for the next ten years in cultural resource management in ten categories of major measurable cultural resource actions. These categories reflect the guidelines of the National Forest Management Act. Five of the categories entail written plans and the other five are more concerned with "action" elements of management. An explanation of the categories is shown below:

OVERVIEW (Measure: Documents)	Initial comprehensive overview, five-year review, or ten-year update.
PROTECTION PLANS (Measure: Documents)	Site-specific or area-specific plans about protection measures such as patrolling or fencing, and on-going problems such as erosion or vandalism.
MAINTENANCE PLANS (Measure: Documents)	Site-specific or area-specific plans about salvage operations needed, stabilization work to be done, etc.
INTERPRETATION PLANS (Measure: Documents)	Site-specific or area-specific plans about location development of places suitable for public education (VIS).
ANALYSIS REPORTS (Measure: Documents)	Detailed analysis reports about settlement patterns, artifact distribution, and so forth, that can be used for future management decisions and/or research designs.
SURVEY (Measure: Documents)	New survey, or extensive recheck on old areas needing updating.
SITE EVALUATION (Measure: Sites)	New recording, testing for significance, or extensive recheck of previously recorded sites needing updating.
NOMINATION (Measure: Sites)	Completed draft National Register of Historic Places nomination forms sent to the Regional Archeologist.
LEGAL PROTECTION (Measure: Days)	Blocks of time to make the minimum days spent in patrol, evidence gathering, case preparation, testifying, salvage excavation, etc.
MAINTENANCE (Measure: Days)	Blocks of time to make the minimum days spent in actual salvage stabilization, erosion control, photo trend plots, visitor interpretive development, etc.

Table A-2 is generalized, and not location-specific to allow for protection of the resource and later detailed description in the separate cultural resource overview.

Plans for the overview, protection, maintenance, and interpretation are to be staggered during subsequent years, so as not to overburden writing in any one year. Analysis reports can be relatively brief.

A-?

DARK CANYON WILDERNESS MANAGEMENT ACTIVITY SCHEDULE

The Dark Canyon Wilderness Management Activity Schedule lists activities needed to provide information to develop the wilderness management program and to perpetuate, manage, or control existing uses. The schedule shows the period when work should be accomplished. The trail program for Dark Canyon Wilderness includes construction or reconstruction of two miles per year over the 10-year planning period as well as routine maintenance on all trails.

TABLE A-3

DARK CANYON WILDERNESS MANAGEMENT ACTIVITY SCHEDULE

Activity	Fiscal Year	
	Starting	Ending
Complete Legal Description	1986	1987
Boundary Signing and Posting	1986	1994
Peavine Corridor Management Standards	1986	1987
Special-Use Permit Analyses and Use Standards	1993	1994
Range and Recreation Livestock Vegetation Condition and Boundary Survey	1987	1993
Archeological Site Surveys Complete	1987	1988
Social Contracts Survey	1986	1991
Fire Planning and Occurrence	1986	1987
Water Sources Survey	1987	1989
Natural and Scenic Areas Survey	1989	1991
Code-A-Site Inventory	1989	1991
Minerals and Energy Inventory Update	1986	1988
Inventory and Evaluation of Man-Made Features	1987	1992
Inventory and Mapping of Physiology	1987	1993
Air Quality Inventory	1988	1990
Brochure	1994	1995
Trailhead Identification	1986	1990
Trail Identification and Maintenance Survey	1987	1989
Trail Signing	1986	1989

WILDLIFE AND FISH HABITAT IMPROVEMENT ACTIVITY SCHEDULE

An activity schedule has been developed to improve wildlife and fish habitat on the Manti-Lasal National Forest, Table A-4, and the Flatwater Fisheries Improvement Activity Schedule, Table A-5. The Utah State Comprehensive Wildlife Plan helps set priorities for the Plan. Through the State Comprehensive Plan and cooperative Interagency Biological Unit plans, habitat management is a joint effort between the Forest and UDWR. This activity schedule will continue the cooperation effort in maintenance and/or improvement of wildlife and fish resources.

The scheduled treatments include but are not limited to:

Mahogany Treatment - Most curleaf mahogany stands are mature or decedent and out of reach of big-game animals, pruning in the spring can cause resprouting, regenerating the plant, and providing forage.

Pinyon-Juniper Treatment - Many old pinyon-juniper chainings were not properly designed for big-game use. These chainings are being invaded by young trees and will lose their value. Treatment includes redesigning the area chained to provide for big-game use and control of young trees by various methods.

Aspen Perpetuation Treatment - Many aspen stands are succeeding to conifer trees, some stands have completely converted to conifer. As they convert these stands lose their foraging value. Others are decedent and in need of regeneration. Treatment methods include methods of controlling the conifer and stimulating sprouting of the aspen for regeneration.

Oak Treatment - Some oak stands are located on key big-game winter ranges some of these stands are decedent. Treatment would open these stands up and stimulate forage production.

Serviceberry Treatment - Many serviceberry stands are decedent and producing very little available forage for big-game animals. Treatment methods would regenerate the stand and create available forage.

Water Development and/or Guzzlers - Some areas of unused range are capable of producing more forage for big game. Springs or guzzler construction would result in providing water, thus allowing additional use by big game.

Stream Improvement - Many reaches of streams do not provide optimum habitat for fish. Stream improvement would improve the habitat in these reaches by providing needed standard structures.

Bank Stabilization and Riparian (Willow Planting) - Many reaches of stream are not providing optimum fish habitat due to unstable streambanks and lack of shade. These treatments would provide bank stability and shade.

Oxygenation - Provide oxygen during the winter months to enable survival of fish.

Conservation Pool - Obtaining a minimum pool depth to enable survival of fish during winter months.

Reconstruction - Rebuilding a breached or older dam to bring the reservoir to a safe standard.

Many additional treatments need to be accomplished for the many species of wildlife on the Forest. The following activity schedule is ambitious, bust is not able to extend beyond the Management Indicator and high interest species, due to the level of funding.

TABLE A-4

WILDLIFE AND FISH HABITAT IMPROVEMENT ACTIVITY SCHEDULE

Ranger District/ Project Name or Description	MIH Code	Unit of Measure	Output Units	Year	Management Area
SANPETE RANGER DISTRICT					
Aspen Treatment	C02-081	Acre	500	1986	RPN
Stream Improvement	C03-082	Structure	10	1986	RNG
Aspen Treatment	C02-081	Acre	500	1987	RPN
Oak Creek Stream Improvement	C03-082	Structure	3	1987	RPN
North Fork Manti Stream Improvement	C03-082	Structure	3	1988	RPN
Aspen Treatment	C02-081	Acre	400	1988	RNG
Aspen Treatment	C02-081	Acre	250	1989	RNG
Aspen Treatment	C02-081	Acre	200	1989	RNG
Oak Harvest Treatment	C02-081	Acre	400	1990	GWR
Stream Improvement	C02-082	Structure	7	1990	RPN
Stream Improvement	C03-082	Structure	3	1991	RPN
Pinyon-Juniper Treatment	C02-081	Acre	100	1991	GWR
Oak Treatment	C02-081	Acre	150	1992	GWR
Aspen Treatment	C02-081	Acre	200	1992	RNG
Pinyon-Juniper	C02-081	Acre	100	1993	GWR
Aspen Treatment	C02-081	Acre	200	1993	RNG
Aspen Treatment	C02-081	Acre	500	1994	RNG
Aspen Treatment	C02-081	Acre	150	1994	RNG
Stream Improvement	C03-082	Structure	25	1995	RPN
FERRON RANGER DISTRICT					
Pinyon-Juniper Control	C02-081	Acre	150	1986	KWR
Serviceberry Treatment	C02-081	Acre	100	1986	KWR
Serviceberry Treatment	C02-081	Acre	180	1987	KWR
Aspen Treatment	C02-081	Acre	200	1987	RNG
Aspen Treatment	C02-081	Acre	200	1987	TBR
Mixed Browse Treatment	C02-081	Acre	100	1988	KWR
Serviceberry Treatment	C02-081	Acre	100	1988	GWR
Aspen Treatment	C02-081	Acre	100	1988	RNG
Curleaf Mahogany Treatment	C02-081	Acre	80	1989	KWR
Plow and Seed	C02-081	Acre	100	1989	KWR
Aspen Treatment	C02-081	Acre	400	1989	RNG/TBR
Aspen Treatment	C02-081	Acre	300	1989	RNG
Sagebrush Treatment	C02-081	Acre	40	1989	KWR
Water Development (Bird Guzzler)	C03-082	Structure	1	1990	GWR
Pinyon-Juniper Treatment	C02-081	Acre	200	1990	GWR
Aspen Treatment	C02-081	Acre	391	1990	SPR
Aspen Treatment	C02-081	Acre	200	1990	RNG
Pinyon-Juniper Treatment	C02-081	Acre	600	1991	GWR
Water Development	C03-081	Structure	1	1991	GWR
Aspen Treatment	C02-081	Acre	400	1991	RNG

TABLE A-4 (Continued)

WILDLIFE AND FISH HABITAT IMPROVEMENT ACTIVITY SCHEDULE

Ranger District/ Project Name or Description	MIH Code	Unit of Measure	Output Units	Year	Management Area
FERRON RANGER DISTRICT (Continued)					
Pinyon-Juniper Treatment	C02-081	Acre	150	1992	GWR
Serviceberry Treatment	C02-081	Acre	15	1992	GWR
Sagebrush Treatment	C02-081	Acre	20	1992	KWR
Curleaf Mahogany Treatment	C02-081	Acre	50	1992	KWR
Aspen Treatment	C02-081	Acre	200	1992	GWR
Pinyon-Juniper Control	C02-081	Acre	200	1993	GWR
Aspen Treatment	C02-081	Acre	200	1993	RNG
Pinyon-Juniper Control and Seed	C02-081	Acre	150	1994	KWR
Water Development	C03-081	Structure	3	1994	GWR
Aspen Treatment	C02-081	Acre	300	1994	RNG
Plow and Seed	C02-081	Acre	150	1995	KWR
Water Development (Bird)	C03-081	Structure	1	1995	GWR
Aspen Treatment	C02-081	Acre	200	1995	RNG
Fish Structures	C02-082	Structure	4	1986	RPN
Fish Structures	C02-082	Structure	4	1987	RPN
Fish Structures	C02-082	Structure	4	1988	RPN
Fish Structures	C02-082	Structure	4	1989	RPN
Fish Structures	C02-082	Structure	4	1990	RPN
Fish Structures	C02-082	Structure	4	1991	RPN
Fish Structures	C02-082	Structure	4	1992	RPN
Fish Structures	C02-082	Structure	4	1993	RPN
Fish Structures	C02-082	Structure	4	1994	RPN
Fish Structures	C02-082	Structure	4	1995	RPN
PRICE RANGER DISTRICT					
Water Development (Guzzler)	C03-081	Structure	2	1986	RNG
Fish Bank Stabilization (Willow Planting)	C02-082	Acre	5	1986	SPR
Serviceberry Treatment	C02-081	Acre	100	1986	RNG
Curleaf Mahogany Treatment	C02-081	Acre	60	1987	GWR
Aspen Treatment	C02-081	Acre	180	1987	TBR
Stream Improvement	C02-082	Structure	5	1987	RNG
Aspen Treatment	C02-081	Acre	200	1988	RNG
Water Development (Guzzler)	C03-081	Structure	1	1988	RNG
Curleaf Mahogany Treatment	C02-081	Acre	60	1988	GWR
Pinyon-Juniper Control	C02-081	Acre	30	1988	GWR
Water Development (Guzzler)	C03-081	Structure	2	1989	GWR
Pinyon-Juniper Control	C02-081	Acre	100	1989	GWR
Aspen Treatment	C02-081	Acre	200	1989	RNG
Oak and Pinyon-Juniper	C02-081	Acre	200	1990	GWR
Aspen Treatment	C02-081	Acre	100	1990	RNG

TABLE A-4 (Continued)

WILDLIFE AND FISH HABITAT IMPROVEMENT ACTIVITY SCHEDULE

Ranger District/ Project Name or Description	MIH Code	Unit of Measure	Output Units	Year	Management Area
PRICE RANGER DISTRICT (Continued)					
Willow Planting	C02-082	Acre	15	1991	RPN
Stream Improvement	C03-082	Structure	15	1991	RPN
Bank Stabilization	C02-082	Acre	7	1991	RPN
Aspen Treatment	C02-081	Acre	200	1991	RNG
Aspen Treatment	C02-081	Acre	250	1992	RNG
Willow Planting	C02-082	Acre	10	1992	RPN
Bank Stabilization	C02-082	Acre	7	1993	RPN
Stream Improvement	C03-082	Structure	10	1993	RPN
Willow Planting	C02-082	Acre	6	1993	RPN
Aspen Treatment	C02-081	Acre	200	1993	RNG
Stream Improvement	C03-082	Structure	5	1994	RPN
Willow Planting	C02-082	Acre	20	1994	RPN
Aspen Treatment	C02-081	Acre	100	1994	RNG
Stream Improvement	C03-082	Structure	5	1995	RPN
Willow Planting	C02-082	Acre	5	1995	RPN
Bank Stabilization	C02-082	Mile	4	1995	RPN
Aspen Treatment	C02-081	Acre	175	1995	RNG
MOAB RANGER DISTRICT					
Pinyon-Juniper Control	C02-081	Acre	250	1986	RNG
Water Development (Guzzler)	C03-081	Structure	1	1986	RNG
Water Development (Guzzler)	C03-081	Structure	1	1987	RNG
Fence Riparian Area	C03-082	Mile	1/4	1987	RNG
Pinyon-Juniper Control	C02-081	Acre	200	1988	RNG
Aspen Treatment	C02-081	Acre	200	1988	RNG
Oakbrush Treatment	C02-081	Acre	200	1989	RNG
Stream Improvement	C03-082	Structure	10	1989	RPN
Aspen Treatment	C02-081	Acre	200	1990	RNG
Water Development (Guzzler)	C03-081	Structure	1	1990	RNG
Fence Riparian Area	C03-082	Mile	1/4	1991	RPN
Pinyon-Juniper Control	C02-081	Acre	200	1992	GWR
Stream Habitat Improvement	C02-082	Structure	10	1992	RPN
Aspen Treatment	C02-081	Acre	200	1993	RNG
Oakbrush Treatment	C02-081	Acre	200	1994	RNG
Water Development (Guzzler)	C03-081	Structure	1	1994	RNG
Water Development (Slickrock Guzzler)	C03-081	Structure	2	1995	RNG

TABLE A-4 (Continued)

WILDLIFE AND FISH HABITAT IMPROVEMENT ACTIVITY SCHEDULE

Ranger District/ Project Name or Description	MIH Code	Unit of Measure	Output Units	Year	Management Area
MONTICELLO RANGER DISTRICT					
Aspen Treatment (Big Flat)	C02-081	Acre	200	1986	RNG
Pinyon-Juniper Control (25% of Project)	C02-081	Acre	100	1986	RNG
Pinyon-Juniper Treatment (Dry Wash)	C02-081	Acre	190	1987	RNG
Riparian Rehabilitation	C02-082	Mile	1.5	1987	RPN
Pinyon-Juniper Control (25% of Project)	C02-081	Acre	145	1988	RNG
Water Development (Dry Mesa)	C03-081	Structure	1	1988	RNG
Aspen Treatment (Deadman)	C02-081	Acre	250	1989	RNG
Water Development (Davis Pocket)	C03-081	Structure	1	1989	RNG
Aspen Treatment (Harts Draw)	C02-081	Acre	250	1990	RNG
Water Development (Horse Flat)	C03-081	Structure	1	1990	RNG
Aspen Treatment (Cottonwood)	C02-081	Acre	200	1991	RNG
Water Development (Cottonwood)	C03-081	Structure	1	1991	RNG
Pinyon-Juniper Control (25% of Project)	C02-081	Acre	375	1991	RNG
Aspen Treatment (Blue Creek)	C02-081	Acre	200	1992	RNG
Water Development (Dry Mesa)	C03-081	Structure	1	1992	RNG
Water Development (Davis Pocket)	C03-081	Structure	1	1993	RNG
Pinyon-Juniper Control (25% of Project)	C02-081	Acre	360	1993	RNG
Aspen Treatment (Blue Creek)	C02-081	Acre	300	1994	RNG
Pinyon-Juniper Control (25% of Project)	C02-081	Acre	100	1994	RNG
Aspen Treatment (Harts Draw)	C02-081	Acre	250	1995	RNG
Fence Riparian (Indian Creek)	C03-082	Mile	215	1995	RNG
Restore Riparian Vegetation (Indian)	C02-081	Mile	.5	1995	RNG
Pinyon-Juniper Control (25% of Project)	C02-081	Acre	350	1995	RNG

TABLE A-5

FLATWATER FISHERIES IMPROVEMENT ACTIVITY SCHEDULE

Ownership FS or P*	Project Name or Description	Ranger District	MIH Code	Unit of Measure	Output Units	Year	Management Area
FS	Gooseberry Oxygenation	Price	C03	Acre	57	1986	RPN
FS	Potter's Pond Oxygenation	Ferron	C03	Acre	8	1986	RPN
P	Huntington Reservoir Conservation Pool	Price	C03	Acre	138	1987	RPN
P	Julius Flat Reservoir Conservation Pool	Ferron	C03	Acre	32	1988	RPN
P	Loggers Reservoir	Sanpete	C03	Acre	20	1988	RPN
P	Emery (Larson) Conservation Pool	Ferron	C03	Acre	13	1989	RPN
P	Deep Lake Reconstruction	Sanpete	C03	Acre	10	1989	RPN
P	Rigley Reservoir Conservation Pool	Ferron	C03	Acre	8	1989	RPN
FS	Blue Lake Reconstruction	Moab	C03	Acre	4	1989	RPN
P	Warner Construction	Moab	C03	Acre	5	1990	RPN
FS	Clark's Lake Reconstruction	Moab	C03	Acre	2	1990	RPN
P	Racetrack Reconstruction	Monticello	C03	Acre	2	1991	RPN
P	Lower WPA Reconstruction	Sanpete	C03	Acre	3.5	1991	RPN
P	Marys Lake Conservation Pool		Ferron	C03	Acre	5	1992
RPN							
FS	Medicine Lake Reconstruction	Moab	C03	Acre	2	1992	RPN
FS	Beaver Dam Reservoir Reconstruction	Price	C03	Acre	2	1993	RPN
FS	Academy Mill Reconstruction Diversion	Ferron	C03	Acre	5	1994	RPN
P	Marys Lake Oxygenation	Ferron	C03	Acre	4	1994	RPN

* FS = Forest Service

P = Permittee

RANGE IMPROVEMENT ACTIVITY SCHEDULE

Table A-6 lists the planned range improvement projects by allotments and fiscal year. Project scheduling could vary some due to available funding, permittee coordination and participation, allotment plan changes and/or consolidation, project effectiveness analysis ranking based on Forest Direction, Standards and Guidelines, detailed project planning with Environmental Assessments, and coordination with other uses and activities. In addition to the projects listed in the table, an estimated 120 acres (Forest-wide) will be treated annually for the control of noxious weeds.

TABLE A-6

RANGE IMPROVEMENT
ACTIVITY SCHEDULE

RANG- ER DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE						MANGEMENT AREA	
						FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES		OTHER
								SPRINGS	TROUGHS	STOCK- PONDS			

D-1	1986	Sagebrush Control, Unit 3	Beaver Dams S&G	109	D03						370		RNG		
		Sagebrush Control, Unit 4	Beaver Dams S&G	109	D03						175		RNG		
		Tall Larkspur Control	Manti Canyon C&H	104	D03						50		RNG		
	1987	East Boundary Fence	Manti Mountain C&H	105	D05	.5									
		Clear Creek Birch Creek Unit Fence	Twelve Mile C&H	108	D05	3									
		Twelve Mile Allotment Boundary Fence	Twelve Mile C&H	108	D05	1									
	1989	Tall Larkspur Control	Manti Canyon C&H	104	D03							50		RNG	
		Six Mile Plow and Seed	Six Mile C&H	106	D03							600		RNG	
		Tall Larkspur Control	Twelve Mile C&H	108	D03							58		RNG	
	1990	Water Development, 80' Section 31	Beaver Dams S&G	109	D05					2					
		Water Development	Lasson C&H	103	D05					2					
		Sagebrush Control and Seeding Unit fence Construction	Lasson C&H	103	D03							95		RNG	
		Loveridge Flat Sage Control	Manti Canyon C&H	104	D05	3.5									
			Black Mountain Forbrush		111	D03							400		RNG
		Tall Larkspur Control	Cove S&G	108	D03							58		RNG	
		Patton Brush Burn and Seed	Twelve Mile C&H	104	D03							200		RNG	
		Sage Valley Plow and Seed	Manti Canyon C&H	142	D03							300		RNG	
		Trough Construction (Middle and West Unit)	Walis C&H							2					
		Brush Control (Chain)	Manti Mountain C&H	108	D03							375		RNG	
	1991	Timber Canyon Fence	Twelve Mile C&H		D05	1									
		Salina Creek, Center Clear Creek, Jump Creek, Windy Ridge (Ponds)	Island Lake S&G	118	D05						4				
		S. Gooseberry Ridge Plow and Seed	Island Lake S&G												
		Aspen Prescribed Burn	Fairview C&H	102	D03							75		RNG	
		Yeans Revegetation	Jones Ridge S&G	119	D03							180		RNG	
		Unit Division Fence	Manti Canyon C&H	104	D03							600		RNG	
		60' Water Development	Manti Canyon	104	D05	2									
Sagebrush Spray/Burn		Manti Canyon	119	D05					1						
Peavine - Step Flat Fence		Jones Ridge S&G	119	D03							100		RNG		
Twelve Mile Plow, Furrow, and Seed		Jones Ridge S&G	108	D05	15										
1992	Twelve Mile Plow, Furrow, and Seed	Twelve Mile C&H	108	D03							594		RNG		
	Black Mountain Trough, 100'	Twelve Mile C&H	120	D03					3						
	Loveridge Flat Trough, 100'	Loveridge Flat S&G													
	Chris Canyon Trough, 100'	Loveridge Flat S&G	120	D05						7					
	Loveridge Flat Ponds	Loveridge Flat S&G	120	D03							300		RNG		
Aspen Rejuvenation	Loveridge Flat S&G	120	D03												
Aspen-Fir Prescribed Burn (North Unit)	Loveridge Flat S&G	136	D03							450		RNG			
	Fountain Green S&G														

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TABLE A-6 (Continued)

RANGE IMPROVEMENT
ACTIVITY SCHEDULE

RANG- ER DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE						MANGEMENT AREA	
						FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES		OTHER
								SPRINGS	TROUGHS	STOCK- PON			

D-1	1992	Oak and Sagebrush Control	Six Mile C&H	106	D03						250	RNG	RNG	
		Bradley Trough, 100'	Fountain Green S&G	136	D05				1				RNG	RNG
	1993	Sagebrush Control	Fountain Green S&G	130	D05				1			70	RNG	
		Cattleguards, 14'	Twelve Mile C&H	108	D03		2							
	1994	North Flat Trough, 100'	Six Mile C&H	106	D05									
		South Flat Trough, 100'	Fountain Green S&G	136	D05				1					
		Unit Division Fence	Fountain Green S&G	136	D05				1					
		Burnt Hills Revegetation	Wales C&H	142	D05	2						600	RNG	RNG
		Unit Division Fences	Manti Canyon C&H	104	D03									RNG
		Head Box and Trough	Wales C&H	142	D05	4								RNG
		Pipeline and Trough	Deep Canyon S&G	135	D05				1					
		Plow and Drill Seed	Deep Canyon S&G	135	D05				1					
		Prescribed Burn Aspen	Geep Canyon S&G	135	D03							200	RNG	
		Seed Aspen (Hand)	New Canyon S&G	122	D03							60	RNG	RNG
	1995	Water Trough, 60'	New Canyon S&G	122	D03							90	RNG	
		Heliotrope Allotment Boundary	Jones Ridge S&G	119	D05				1					
		Fence												RNG
		Bub Petty Trough, 100'	Lasson C&H	103	D05	1.5								RNG
			Black Mountain											RNG
			Forbrush	111	D05				1					RNG
		Cove S&G												
		Black Mountain	111	D05				1						
		Forbrush												
		Cove S&G	111	D05						5				
1996	Top Black Mountain Revegeta- tion	Black Mountain	111	D03							460	RNG		
	Oak Creek Face Unit Division	Forbrush	111	D05										
	Fence	Cove S&G												
	Dry Canyon Drift Division	Black Mountain	102	D05	1									
	Fence	Forbrush												
	Oak and Sagebrush Control	Cove S&G	102	D05	1/4									
	Lower Ranch Troughs, 70'		106	D03							800	RNG	RNG	
		Fairview C&H	111	D05										
1996	Top Black Mountain Trough	Fairview C&H											RNG	
		Six Mile C&H	111	D05				1						
D-2	1986	Buck Flat Ferron C&H	Forbrush	203	D05	3							RNG	
		Indian Creek S&G	Cove S&G	217	D05									
	Common Use Boundary Fence	Black Mountain										TBR		
	Last Water - Meadow Gulch	Forbrush												
	Unit Fence	Cove S&G	203	D05	3							RNG		
	Woodtick Point Common Use		203	D05	2								RNG	
	Fence	Ferron C&H	213	D05								RNG	RNG	
		Indian Creek S&G												
		Ferron C&H												
		Ferron C&H												
		Duck Fork S&G												

RANG- ER DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE						MANGEMENT AREA		
						FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES		OTHER	
								SPRINGS	TROUGHS	STOCK- PONDS				
D-2	1993	Danish Knoll Plow and Drill	Wagon Road Ridge S&G	231	D03						400		RNG	
		Danish Knoll Plow and Drill	Little Petes Hole S&G	219	D03						200		WPE	
	1994	Flat Canyon Sagebrush Control	Trail Mountain C&H	206	D03						120		MMA	
		Dairy Unit Sagebrush Control	Ferron C&H	203	D03						300		RNG	
	1995	Point of Trail Sagebrush Control	Horn Mountain C&H	204	D03						200		SPR	
		Tarweed Control Bulger Canyon	Fly Bulger S&G	214	D03						300		WPE	
		Beaver Creek Waterline	Blue Lake S&G	209	D05			1					RNG	
		Hogan Basin Water Trough	Reeder Ridge S&G	226	D05				1				SPR	
		Olsen Bench Plow and Drill	Olsen Bench SG	221	D03						400		RNG	
		North Dragon Sagebrush Control	Horn C&H	204	D03						200		RNG	
		McEwan Flat Sagebrush Control	Lake Fork S&G	218	D03						80		RNG	
		Cherry Flat Plow and Drill	Buck Ridge S&G	219	D03						300		RNG	
	1996	Singleton Flat Sagebrush Control	Ferron C&H	203	D03						200			RNG
		McEwan Flat Pond	Lake Fork S&G	218	D05					1				RNG
		South Trough Waterline	Trail Mountain C&H	206	D05			1						GWR
		Unnamed Spring by Sheep Flat	Potters S&G	224	D05				1					RNG
		Swasey Creek Waterline	Horn C&H	204	D05				1					RNG
		Unnamed Spring Bulger Canyon	Fly Bulger S&G	214	D05				1					RNG
		Tarweed Control Black Canyon	Black Canyon S&G	208	D03							150		RNG
		Wildcat Knoll Sagebrush Control	Emery C&H	202	D03							300		RNG
D-3		1986	Poison Ridge Tarweed Control	Poison Ridge	337	D03						130		SPR
			Poison Ridge Plow and Seed	Poison Ridge	337	D03						160		SPR
	Buggywheel Spring		Poison Ridge	303	D05				1				RNG	
	1987	Poison Ridge Rabbitbrush Control	Poison Ridge	337	D03						1	600		SPR
		Dairy Reseed Pond	Lake Fork	303	D05			1						RNG
		Red Ledge Trough	Cedar Knoll	354	D05				3					GWR
		Lasson-Cedar Knoll Drift Fence	Cedar Knoll	354	D05	.3								GWR
		Bennion Water Developments and Pipelines	Bennion	307	D05			6	18					RNG
		Blind Canyon Brush Control	Lake Fork	303	D03						200			RNG
		Water Hollow Ram Development	Water Hollow	347	D05			1	2 OR 6					TBR
1987	Bean Ridge Tarweed Control and Seeding	Bean Ridge	304	D03							60		RNG	
	Bean Ridge	Bean Ridge	304	D03							50		RNG	
	Bean Ridge Rabbitbrush Control	Granger Ridge	326	D05						5			SPR	
1987	Granger Ridge Ponds													
	Winter Quarters Tarweed Control	Winter Quarters	350	D03							80		RNG	

TABLE A-6 (Continued)

RANGE IMPROVEMENT
ACTIVITY SCHEDULE

RANG- ER DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE						MANGEMENT AREA		
						FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES		OTHER	
								SPRINGS	TROUGHS	STOCK- PONDS				
D-3	1988	Bennion Tarweed Control	Bennion	307	D03						220		RNG	
	1989	Bennion Rabbitbrush Control and Seeding	Bennion	307	D03							400		RNG
		Cedar Knoll Water Development	Cedar Knoll	354	D05				1					RNG
		Bennion Rabbitbrush Control	Bennion	307	D03							500		RNG
		Horse Creek Water Development	Horse Creek	327	D03				2					SPR
	1990	Red Spring Water Development and Pipeline	Water Hollow	347	D03				1					RNG
		Cedar Knoll Brush Control and Seeding	Cedar Knoll	354	D03							100		GWR
		Cedar Knoll Brush Control (Burn)	Cedar Knoll "C" Canyon	354 352	D03 D05			3	3			200		GWR SPR
		"C" Canyon Water Development	French Creek	325	D05			2	2					SPR
	1991	French Creek Water Develop- ments	French Creek	325	D05			2	2					SPR
		Driveway Brush Chaining and Seeding	Driveway Eccles Canyon	320 324	D03 D05			4	4			800		RNG RNG
		Eccles Water Development	Cedar Knoll	354	D03							270		GWR
		Cedar Knoll Brush Railing	Spring Lake	342	D03							200		RNG
	1992	Spring Creek Veratrum Control	"C" Canyon	352	D03							500		SPR
		"C" Canyon Spray, Flow, and Seeding	"C" Canyon	352	D03							500		SPR
		Clear Creek Brush Control and Seed	Clear Creek "C" Canyon	316 352	D03 D03							400 400		GWR SPR
	1993	"C" Canyon Rabbitbrush Spray	Bean Ridge	304	D05			2						SPR
		Bean Ridge Water Development	Bean Ridge	304	D05			2						SPR
		Winter Quarters Water Develop- ment	Winter Quarters "C" Canyon	350 352	D05 D03			4				400		RNG SPR
	1994	"C" Canyon Rabbitbrush Spary	Tucker	346	D03							200		GWR
		Tucker Brush Control	Tucker	346	D03							200		GWR
		Seeley Canyon Water Develop- ment	Seeley Canyon S&G	330	D05			1	1					RNG
		East Gooseberry Water Development	East Gooseberry S&G	323	D05			3	3					RNG
1995	Mountain Lion Water Develop- ment	Mountain Lion S&G	335	D05			4	4					RNG	
	Winter Quarters Rabbitbrush Control	Winter Quarters S&G	350	D03							200		RNG	
	Seeley Canyon Water Develop- ment	Seeley Canyon	330	D03							100		RNG	
	Seeley Tarweed Control	Seeley Canyon	330	D03							200		RNG	
	Seeley Brush Control	Driveway	320	D05			1	1					RNG	
	Driveway Water Development	Granger Ridge	326	D03							25		SPR	
	Granger Ridge Tarweed Control	Granger Ridge	326	D03							410		SPR	

ACTIVITY SCHEDULE

RANG- ER	DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE						MANGEMENT AREA	
							FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES		OTHER
									SPRINGS	TROUGHS	STOCK- PONDS			
D-3	1996	Boulger Veratrum Cont.	Boulger	353	D03						100		RNG	
		Booths Canyon Revegetation	Booths Canyon	309	D03						50		RNG	
		Cabin Hollow Water Develop- ment	Cabin Hollow	314	D05			3	3					RNG
		Lake Rolfson Brush/Weed Control	Lake Rolfson	332	D03							100		RNG
		Cabin Hollow Brush Control	Cabin Hollow	314	D03							200		RNG
		Water Hollow Brush Control	Water Hollow	346	D03							560		RNG
D-4	1986	Lackey Fan FS-BLM Boundary Fence	LaSal	407	D05	2*							*BLM also doing half of project.	RNG
	1987	PJ Control North Beaver Cold Spring Unit Fence	Beaver C&H Mason Draw	402 408	D03 D05	1.0					400		RNG RNG	
	1987	Beaver Creek Forest Boundary Fence	Chicken Creek	405	D05	1.2*							*BLM also doing half of project.	RNG
	1988	Beaver Creek Forest Boundary Fence	LaSal	407	D05	.8							RNG	
	1988	Andy Mesa Unit Fence	Castle Valley	404	D05	2.0							RNG	
	1989	Chicken Creek Ponds	Chicken Creek	405	D05					6			RNG	
	1989	PJ Control North Beaver Dorry Canyon Unit Fence	Beaver C&H Squaw Spring	402 412	D03 D05	2					400		RNG RNG	
	1990	Fisher Mesa Chaining	Castle Valley	404	D03						800		RNG	
	1990	Fisher Mesa Burkholder Draw-Porcupine Rim Unit Fence	Castle Valley Mason Draw	404 408	D05 D05	2				10			RNG RNG	
	1991	Sinbad Ridge Unit Fence	Sinbad	410	D05	1.5							RNG	
	1991	Chicken Creek Trough Reconstruction	Chicken Creek	405	D05				2				RNG	
	1991	Sinbad Ridge Ponds	Sinbad	410	D05					12			RNG	
	1991	Meloy Park Water Development	Mason Draw	408	D05				1				RNG	
	1991	Burkholder Draw Water Development	Mason Draw	408	D05				3				RNG	
	1991	Hideout Mesa	S. Paradox	411	D05					6			RNG	
	1991	Dry Draw Ponds	S. Paradox	411	D05					3			RNG	
	1991	Gold Basin Drift Fence	Brumley Ridge	403	D05	.5							RNG	
	1992	Warner Road Spring Develop- ment Ext. Pipeline 1/2 Mile	Bald Mesa	401	D05				1				RNG	
	1992	PJ Control - Slaughter Flat	Squaw Spring	412	D03						400		GWR	
	1992	Paradox Creek Lion Creek Drift Fence and Cattleguard	N. Paradox	411	D05	1	1						RNG	
	1993	Deer Spring Cattleguard	LaSal	407	D05		1						RNG	
	1993	Hideout Mesa Chaining	S. Paradox	411	D03						600		RNG	
	1994	Boren Mesa Ponds	Brumley Ridge	403	D05					5			RNG	
	1994	PJ Control Dorry Canyon	Squaw Springs	412	D03						400		RNG	

TABLE A-6 (Continued)

RANGE IMPROVEMENT
ACTIVITY SCHEDULE

RANG- ER	DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE					
							FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES
									SPRINGS	TROUGHS	STOCK- PONDS	
D-4	1993	North-South Hollow Ponds	Bald Mesa	401	D05					6	200	
	1995	N. Beaver Sagebrush Treatment	Beaver	402	D03							
D-5	1986	South Mesa Ponds	Brumley Ridge	403	D05					5	300	
		Death Trap PJ Chaining	Beaver	402	D03							
D-4	1996	Burkholder Draw PJ Chaining	Mason Draw	408	D03						300	
		PJ Control Amasa Back	Squaw Springs	412	D03							
D-5	1986	Black Canyon FS-BLM	Squaw Springs	412	D05	.5*					400	
		Boundary Fence	S. Paradox	411	D05							
D-5	1986	Hop Creek-Willow Basin Fence	West Mountain	516	D05							
		Mule Canyon Spring	West Mountain	516	D05							
D-5	1986	North Causeway Spring	West Mountain	516	D05	1.5						
		West Mountain North-South	West Mountain	516	D05							
D-5	1986	Division Fence	West Mountain	516	D05	1.5						
		Banks Spring	West Mountain	516	D05							
D-5	1986	Causeway Reservoir #2	West Mountain	516	D05	1.3					1	
		S. Causeway Reservoir #1	Verdure	515	D05							
D-5	1986	Verdure Unit Fence	Verdure	515	D03	1.3					15	
		Verdure Ragweed Spray	Twin Springs	514	D05							
D-5	1987	Kigalia Pt. #1 Water	Twin Springs	514	D05	1.5						
		Development	Twin Springs	514	D05							
D-5	1987	Unnamed Sp. #2 N1/2 Sec. 13	Twin Springs	514	D05	1.5						
		Unnamed Sp. Sec. 13	Twin Springs	514	D05							
D-5	1987	Unnamed Sp. Sec. 19	Twin Springs	514	D05	1.5						
		West Mountain North-South	West Mountain	516	D04							
D-5	1987	Division Fence	West Mountain	516	D03	1.5					580	
		Mule Canyon PJ Chain	West Mountain	516	D05							
D-5	1987	Mule Canyon Res. #1	West Mountain	516	D05	1.5						
		Mule Canyon Res. #2	West Mountain	516	D05							
D-5	1988	Kigalia Point Water Develop-	Twin Springs	514	D05	2						
		ment #2	Twin Springs	514	D05							
D-5	1988	Kigalia Point Troughs	Twin Springs	514	D04	2						
		Unnamed Spring Sec.1	Verdure	515	D05							
D-5	1988	Pond Verdure	Verdure	515	D05	2						
		Trough and Pipeline Verdure	West Mountain	516	D05							
D-5	1988	Banks Pipeline	West Mountain	516	D05	2						
		North-South Division Fence	West Mountain	516	D05							
D-5	1988	Mule Spring #2	Twin Springs	514	D03	2					150	
		JN Pasture Maintenance	Twin Springs	514	D03							
D-5	1988	Brushy Knoll Maintenance	Blue Creek	503	D05	2					300	
		Spring Development	Blue Creek	503	D05							
D-5	1988	Spring Development	Verdure	515	D03	2						
		Revegetation Riparian Area	Verdure	515	D03							

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TABLE A-6 (Continued)

RANGE IMPROVEMENT
ACTIVITY SCHEDULE

RANG- ER	DIS- TRICT	FISCAL YEAR	PROJECT NAME AND DESCRIPTION	ALLOTMENT NAME	FR NO.	MIH CODES	IMPROVEMENT TYPE					
							FENCE	CATTLE- GUARD	WATER DEVELOPMENT			FORAGE TREATMENT ACRES
									SPRINGS	TROUGHS	STOCK- PONDS	

D-5	1989	Develop Spring (Forester Sp.)	Blue Creek	503	D05			1			
		Maple Spring Pipeline	West Mountain	516	D05			1			
		Trough Canyon Spring	West Mountain	516	D05			1			
		Oakbrush Control	Gold Queen	508	D03						200
	1990	Harts P-J Burn	Harts Draw	510	D03						800
		Move Division Fence									
	1990	Bulldog-Rag Canyon	Bulldog	504	D05	1					
		Blue Creek Pt. P-J Reveg.	Blue Creek	503	D03						200
	1990	Lakes Division fence	Lakes	511	D05	3					
		Brush Basin P-J Burn	Camp Jackson	505	D03						500
	1991	Milk Ranch Pt. P-J Control	Babylon	501	D03						250
		Chippean Sp. Development	Chippean	506	D05			1			
	1991	Ranger Spring Development	Lakes	511	D05			1			
		Pond Construction	Lakes	511	D05					5	
	1991	P-J Revegetation - Verdure Rim	Lakes	511	D03						300
		Pond Construction	South Peak	513	D05					2	
	1991	Pond Construction	Cottonwood	507	D05					2	
		Oakbrush Control	Verdure	515	D03						200
	1991	Aspen Rejuvenation	Blue Creek	503	D03						200
		S. Cottonwood F-J Treatment	Gooseberry	509	D03						400
	1992	New Fence - Hart Rim	Harts Draw	510	D05	.5					
		P-J Chain - Lower Harts	Harts Draw	510	D03						200
	1992	Spring Development	South Peak	513	D05			1			
		Spring Development	Lakes	511	D05			1			
	1992	Sagebrush Treatment	Lakes	511	D03						300
		Stevens Canyon P-J Reveg.	Cottonwood	507	D03						300
	1992	Johnson Creek P-J Maintenance	Camp Jackson	505	D03						250
		Milk Ranch Pt. Reveg. Mtnc.	Babylon	501	D03						250
	1993	Chipean Pt. Reveg. Mtnc.	Chippean	506	D03						200
		Spring Development	South Pak	513	D03			1			
	1993	Spring Development	Lake	511	D05			1			
		Oak Treatment	Lakes	511	D05						200
	1993	Oak Treatment	South Peak	513	D03						200
		Dwarf Pond Construction	Babylon	501	D03					1	
	1993	Dwarf P-J Revegetation	Babylon	501	D05						300
		Vega Canyon Revegetation	Cottonwood	507	D03						150
	1994	Milk Ranch Pt. Reveg. Mtnc.	Babylon	501	D03						250
		N. Milk Ranch Reveg. Mtnc.	Babylon	501	D03						250
	1994	Recapture P-J Maintenance	Camp Jackson	505	D03						200
		S. Cottonwood Chain Mtnc.	Gooseberry	509	D03						400
	1995	Sage Spray	Gold Queen	508	D03						100
		Dry Mesa Chain Maintenance	Twin Springs	514	D03						500
	1996	Mormon Pasture Pt. Chain Mtnc.	Cottonwood	507	D03						500
		N. Creek Sage Treatment	North Creek	512	D03						300

TIMBER ACTIVITY SCHEDULE

The Timber Activity Schedule contains the following which summarizes timber resource information for the Forest.

- Timber Land Classification (Table A-7), is a summary table and graphic display (Figure A-1) of the timber land use classification and inventory for the Plan.

- Comparison with Previous Plan (Table A-8), is a comparison summary of this Plan with the previous Plan.

- Allowable Sale Quantity and Timber Sale Program Quantity (Table A-9).

- Allowable Sale Quantity (Figure A-2), displays the allowable sale quantity base harvest schedule and sustained yield.

- Present and Future Forest Condition (Table A-10), displays the condition of the present and future Forest type suitable for harvest, and the age class distribution.

-Silvicultural Practices (Table A-11) expresses an annual average for the first decade.

-Ten-Year Timber Sale Activity Schedule (Table A-12A and Table A-12B).

It should be noted that ponderosa pine stands that were harvested under an accelerated harvest in the late 1960's through early 1970's are rapidly reaching commercial size. Analysis may show that a commercial harvest is needed during this decade to protect past investments, and maintain a thrifty stand. This may cause an upward adjustment in the programmed and allowable cut.

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TABLE A-7

TIMBERLAND CLASSIFICATION

	<u>M Acres</u>	<u>Percent</u>
I. Non-Forest Land	644.7	48.3
II. Forest Land	(689.8)	(51.7)
A. Forest Land not Suited for Timber Production	(321.7)	(24.1)
1. Land not capable of producing 20 cubic feet/acre/year.	252.6	18.9
2. Land withdrawn from timber production.	9.4	.7
3. Land not physically suited (irreversible)		

damage likely to occur.)	22.6	1.7
4. Land with inadequate current information.	37.1	2.8
B. Tentatively Suited Forest Land	(368.1)	(27.6)
1. Land not suited for timber production due to high logging costs.	235.4	17.7
2. Net land suited for timber production.	<u>132.7</u>	<u>9.9</u>
III. Total Land	1,334.5	100.0

FIGURE A-1

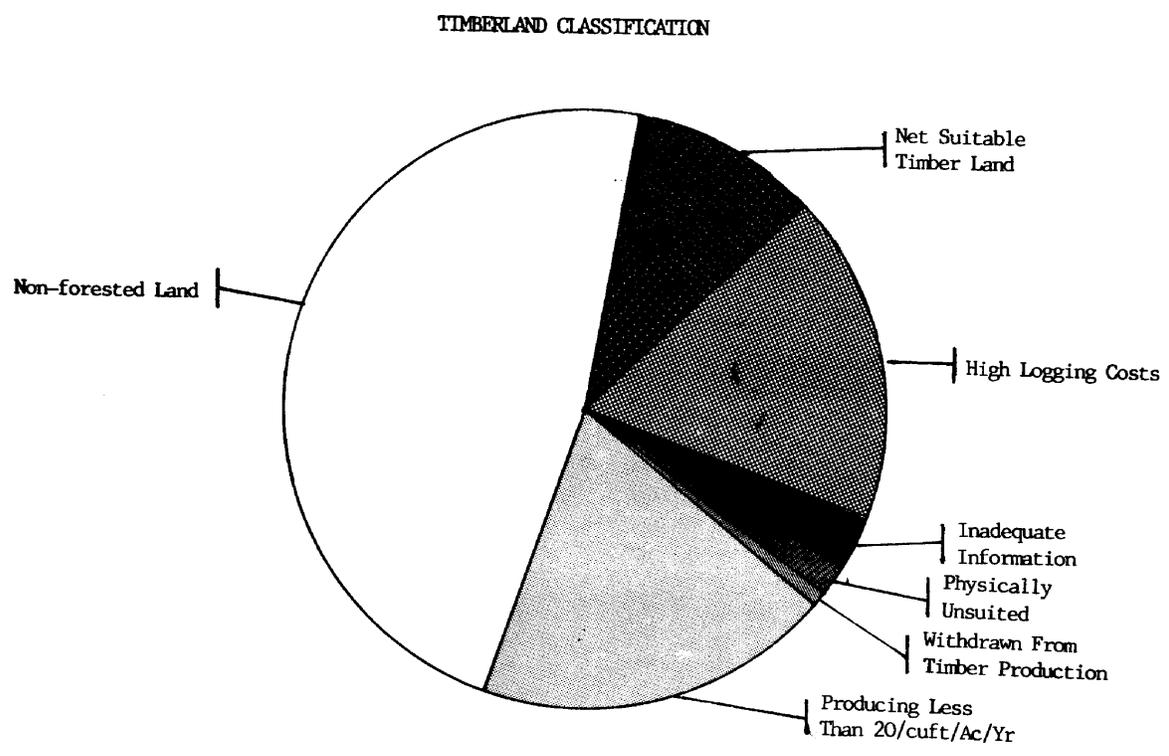


TABLE A-8

COMPARISON WITH PREVIOUS PLAN
(PART A)

	Previous Plan Acres*	This Plan Acres	Percent Change(%)***
Area Summary			
Net National Forest	1,263,800	1,334,461	+6%*
Total Forest Land	1,339,326	1,413,461	+9%*
Total Productive Forest Land/Capable Forest Land	400,100	411,874	
Total Comm. Forest Land/Available Productive Forest Land	390,689	368,055	
Total Non-Productive/Not Capable Forest Land	270,500	523,143**	
Total Non-Forest	593,200**	399,444	
Technologically Not Suitable		34,408	
Productive Forest Land Not Available			
Productive Reserved	- 0 -	9,411	
Productive Deferred	9,411	9,411	

* Previous Plan did not include San Pitch Division.

** Total Pinyon-Juniper type acreage included in this figure.

*** Percent change from previous Plan.

(PART B)

	This Plan Suitable and Available Productive Forest Land		
	Previous Plan Commercial Forest Land	By Use Category	Acres
	Acres		Acres
Standard	135,400	Suitable - Ponderosa Pine	49,942
		- Mixed Conifer	39,785
Special	11,100	- Aspen	42,930

Marginal	244,189	High Logging Costs*	
		-Ponderosa Pine	51,967
		-Mixed Conifer	88,109
		-Aspen	95,322

*Not economically efficient to log.

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TABLE A-9

ALLOWABLE SALE QUANTITY AND TIMBER SALE PROGRAM QUANTITY
(ANNUAL AVERAGE FOR FIRST DECADE)

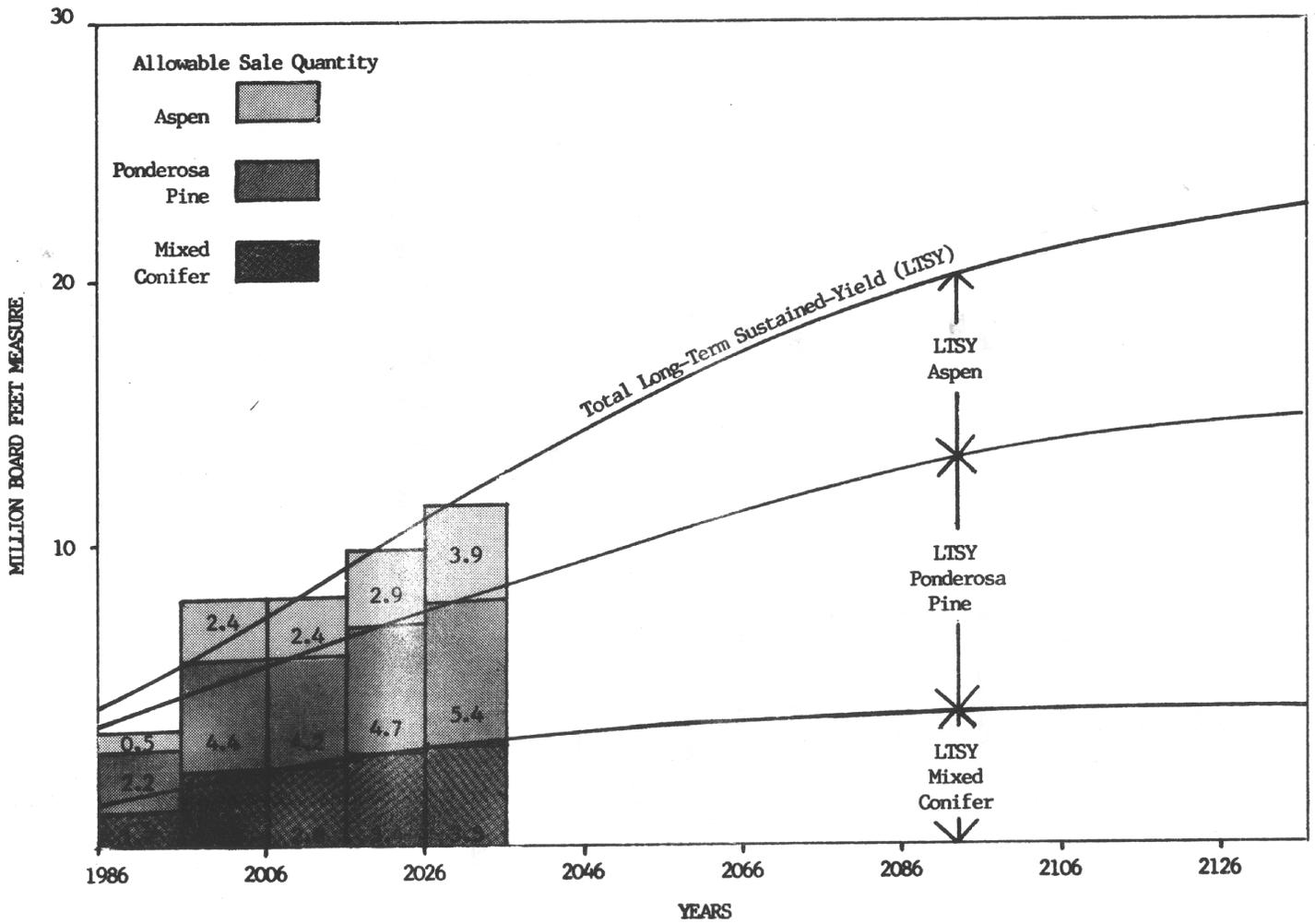
<u>Harvest Method</u>	<u>Allowable Sale Quantity</u>	
	<u>Sawtimber</u> (MMBF)	<u>Other Products</u> (MMBF)
Regeneration Harvest:		
Clearcut	3.8	0
Shelterwood and Seed Tree		
-Preparatory Cut	1.42	0
-Seed Cut	.47	0
-Removal Cut	.11	0
Selection	0	0
Intermediate Harvest:		
Commercial Thinning	.78	0
Salvage/Sanitation	0	2.5
Totals	3.16	2.5

	<u>Additional Sales</u>	
	<u>Sawtimber</u> (MMBF)	<u>Other Products</u> (MMBF)
Total For All Harvest Methods	0	0

Allowable Sale Quantity	3.16 (MMBF)	2.50 (MMBF)
Timber Sale Program Quantity	3.16 (MMBF)	2.50 (MMBF)

FIGURE A-2

LONG-TERM SUSTAINED-YIELD OVER 150-YEAR HORIZON
 ALLOWABLE SALE QUANTITY BY SPECIES OVER 50-YEAR HORIZON



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TABLE A-10

PRESENT AND FUTURE FOREST CONDITIONS

	<u>Unit of Measure</u>	<u>Suitable Land</u>
Present Forest: Growing Stock	MMCF	4,778.0
	MMBF	2,140.2
Live Cull	MMCF	- - -
	MMBF	15.0
Salvable Dead	MMCF	120.0
	MMBF	20.0
Annual Net Growth	MMCF	84.0
	MMBF	14.9
Annual Mortality	MMCF	31.4
	MMBF	5.8
Future Forest: Growing Stock	MMCF	5,500.0
Annual Net Growth	MMCF	150.0

Rotation age	Years	120 to 140	
Age Class Distribution Acres	Age Class	Present Forest	Future Forest
(Suitable Lands)	Mature Sawtimber	264,721	165,625
	Immature Sawtimber	92,292	110,416
	Seed-Saps	11,042	92,014

TABLE A-11

SILVICULTURAL PRACTICE
(ANNUAL AVERAGE IN FIRST DECADE FOR SUITABLE ACRES)

Practice	Acres
Regeneration Harvest	
Clearcut	80
Shelterwood	
-Preparation Cut	300
-Seed Cut	100
-Removal Cut	28
Intermediate Harvest	
Commercial Thin	165
Timber Stand Improvement	725
Reforestation	78

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TABLE A-12A

TIMBER SALE ACTIVITY SCHEDULE
(Major Sales)

Sale Name	Ranger District	Acres	Mgmt. Code	--- Road ---		----Species----		Volume		Total Major Sales MMBF/Year
				Construction Coll.	Local	Conifer	Aspen	Year	Year	
Four-Mile I	Sanpete	160	RNG	1.00	----	----	.60	1986	.60	
Roc Creek	Moab	220	TBR	----	----	2.00	----	1986	2.00	
North Elks	Monticello	220	TBR	----	----	1.00	----	1986	1.00	3.60
Four-Mile II	Sanpete	130	RNG	1.00	----	----	.60	1987	.60	
Rt. Fork Boulger	Price	40	TBR	----	----	.40	----	1987	.40	
Chimney Park	Monticello	200	TBR	----	----	.50	----	1987	.50	1.50
Timber Canyon	Sanpete	110	RNG	----	----	.80	----	1988	.80	
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1988	.25	
Deadman	Monticello	200	TBR	----	----	.50	----	1988	.50	1.55
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1989	.25	
Spring City Tunnel	Sanpete	90	RNG	----	.50	.70	----	1989	.70	
Cap	Ferron	250	TBR	----	----	.50	----	1989	.50	
Rolfson Reservoir	Price	40	TBR	----	----	.20	----	1989	.20	
Sawmill Pond	Moab	360	TBR	----	1.00	2.00	----	1989	2.00	
Drift Trail	Monticello	200	TBR	----	----	.50	----	1989	.50	4.15
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1990	.25	
Ephraim Canyon	Sanpete	800	RNG	.50	----	1.50	.50	1990	2.00	
Seeley Creek	Price	40	TBR	----	----	.30	----	1990	.30	

Duck Lake	Monticello	250	TBR	----	----	.50	----	1990	.50	3.05
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1991	.25	
Birch Canyon	Sanpete	800	RNG	.50	----	2.00	.40	1991	2.40	
Browns Canyon	Ferron	250	TBR	----	----	.35	----	1991	.35	
Clear Creek	Price	60	TBR	----	----	.40	----	1991	.40	
Sinbad Ridge I	Moab	140	TBR	2.00	----	2.40	----	1991	2.40	
Gooseberry G.S.	Monticello	400	TBR	----	----	.70	----	1991	.70	6.50
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1992	.25	
Cap	Ferron	250	TBR	----	----	.50	----	1992	.50	
Patton Reservoir	Sanpete	1,000	RNG	----	----	2.50	.50	1992	3.00	
Trough Springs I	Price	30	TBR	----	----	.20	----	1992	.20	
Duck Lake II	Monticello	500	TBR	----	----	.70	----	1992	.70	4.65
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1993	.25	
Burnt Hill	Sanpete	800	RNG	----	----	2.00	.40	1993	2.40	
Rt. Fork Swen's	Price	30	RNG	----	----	.20	----	1993	.20	
Guard Station	Monticello	150	TBR	.50	----	.50	----	1993	.50	3.35
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1994	.25	
Winter Qtrs. Ridge	Price	30	RNG	----	----	.20	----	1994	.20	
Sinbad Ridge II	Moab	140	TBR	1.00	----	2.50	----	1994	2.50	
Ute Corral	Monticello	190	TBR	----	----	.50	----	1994	.50	3.45
Spoon Creek	Ferron	25	RNG	----	----	----	.25	1995	.25	
Trough Springs II	Price	30	TBR	----	----	.20	----	1995	.20	
Little Notch I	Monticello	250	TBR	----	----	.40	----	1995	.40	.85
Total Major Sales		8,560				27.65	5.00			32.65

TABLE A-12B

TIMBER SALE ACTIVITY SCHEDULE
(Total Sales, Including Major Sales)

Sales/ Ranger District	Acres	Volume MMBF/Year									
		1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Total Major Sales	8,560	3.60	1.50	1.55	4.15	3.05	6.50	4.65	3.35	3.45	.85
Small Sale Program											
Sanpete	200	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
Ferron	400	.20	.20	.20	.20	.20	.20	.20	.20	.20	.20
Price	200	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
Moab	320	.10	.20	.20	.10	.20	.10	.20	.20	.10	.20
Monticello	200	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
Total Small Sales	1,320	.60	.70	.70	.60	.70	.60	.70	.70	.60	.70
Fuelwood Program											
Sanpete	2,000	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ferron	1,200	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60
Price	840	.50	.50	.40	.40	.40	.40	.40	.40	.40	.40
Moab	200	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
Monticello	200	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
Total Fuelwood Sales	4,440	2.30	2.30	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20
Total All Sales	14,320	6.50	4.50	4.45	6.95	5.95	9.30	7.55	6.25	6.25	3.75

SOIL ACTIVITY SCHEDULE

TABLE A-13

<u>Year</u>	<u>Location</u>	<u>Acres</u>	<u>Intensity level</u>
1985	Manti Division	233,613	Order 3
1986	Manti Division	233,600	Order 3
1987	Final correlation and manuscript for the Manti Division SRI.		
1988	Submit Manti Division SRI manuscript and maps for publication. Initiate Order 3 Soil Survey on the Monticello District.		
1989	Monticello District	184,563	Order 3
1990	Monticello District	184,563	Order 3
1991	Submit Monticello District SRI manuscript and maps for publication.		
1992-1995	Conduct Order 1 and Order 2 mapping as needed for project work and update existing Order 3 Soil Surveys as necessary.		

WATERSHED ACTIVITY SCHEDULE

The Watershed Activity Schedule contains the following watershed programs:

- Watershed Condition Survey (Table A-14) provides a list and schedule of the watersheds for which condition, flood frequency, and sediment yields will be calculated.
- Watershed Improvement (Table A-15) provides a list of the projects included in the Watershed Improvement Needs Inventory (WINI) and a schedule for their implementation.
- Determination of Instream Flow Needs (Table A-16) provides a list and schedule for determining the instream flow needs for Forest purposes on major watersheds.

TABLE A-14

WATERSHED CONDITION SURVEY
(Includes Estimates of Flood Frequencies and Sediment Yields)

Ranger District	Item	No.	Watershed Name	No.	Subwatershed Name	Survey Area (Acres)	Date to Complete the Survey
Price	Done	04	Huntington Canyon	All	-----	126,700	1984
Price	In Progress	02	Price River	All	-----	80,000	1985
Ferron	1	05	Straight Canyon	502	Lowry Water	34,300	1986
Ferron	2	05	Straight Canyon	600	Below Joes Valley	16,600	1986
Sanpete	3	03	San Pitch	All	-----	167,000	1987
Sanpete and Price	4	01	Upper Spanish Fork	All	-----	81,300	1988
Monticello	5	10	Indian Creek	All	-----	91,000	1989
Monticello	6	12	San Juan	All	-----	133,000	1989
Ferron	7	05	Straight Canyon	501	Seeley Canyon	22,800	1990
Ferron	8	05	Straight Canyon	500	Reeder Canyon	8,500	1990
Moab	9	18	Paradox Creek	All	-----	47,000	1991
Ferron	10	06	Ferron Canyon	All	-----	115,000	1992
Sanpete	11	16	Chicken Creek	All	-----	49,000	1993
Ferron	12	07	Muddy Creek	All	-----	85,000	1993

Moab	13	08	Moab	All	-----	78,000	1994
Moab	14	09	Delores River	All	-----	45,000	1995
Monticello	15	13	Montezuma Creek	All	-----	30,000	1996

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TABLE A-15 WATERSHED IMPROVEMENT A-31

WINI Inventory Project Number	Ranger District	Project Name	Watershed	Subwatershed Containing The Project	Subwatershed Evaluations		Project Field Evaluation Phase Date	Plan and Environmental Assessment (Year)	Treat- ment (Year)	Acres for Treatment	Management Area
					Date	Area					

2-23	2	Battlegrounds	05 Straight Canyon					1985	1985	600	GWR
3-21	3	Rolfson Canyon	04 Huntington Canyon	408 Rolfson Canyon	1984	2,501		1984	1986		WPE
3-22	3	Staker #1	04 Huntington Canyon	409 Staker Canyon			1984	1985	1987	300	WPE
3-24	3	Staker #2	04 Huntington Canyon	409 Staker Canyon	1984	2,400	1984	1985	1987	50	WPE
3-25	3	Jordan #1	04 Huntington Canyon	410 Jordan Canyon			1985	1986	1988	500	WPE
3-26	3	Jordan #2	04 Huntington Canyon	410 Jordan Canyon	1985	5,400	1985	1986	1989	700	WPE
3-15											
3-14	3	North Hughes 2 & 3	04 Huntington Canyon	412 North Hughes	1985	1,400	1985	1986-1987	1990	320	WPE
2-2	2	Bacon Rind	05 Straight Canyon	401 Bacon Rind	1986	1,870	1986	1987	1990	300	WPE
2-31	2	Swales	05 Straight Canyon	301 Reid & Neilson Swale	1986	2,210	1986	1987-1989	1991	650	WPE
2-36	2	Clay Banks	05 Straight Canyon	301 Cox Swale 419 Clay Banks, Swale	1986	3,900	1987	1988-1990	1992	320	WPE
1-15	1	Hogaard	03 San Pitch	502 Manti Canyon	1987	18,000	1988	1989	1992	420	RNG
3-19	3	Lake Canyon	04 Huntington Canyon	501 Left Fork Huntington	1988	30,000	1989	1990	1993	70	WPE
1-20	1	Blue Meadows	03 San Pitch	413 Six Mile Canyon	1988	16,500	1989	1990	1993	420	RNG
3-9	3	Fish Creek	02 Price River	600 Price River	1989	39,500	1990	1991	1994	220	SPR
5-1	5	Round Mountain	10 Indian Creek	412 Davis Canyon	1990	7,441					
				411 Stevens Canyon	1990	8,160					
			12 San Juan	418 S. Cottonwood Canyon	1990	8,150	1979	1980-1992	1994	300	WPE
3-28	3	Seeley Canyon	04 Huntington Canyon	410 Seeley Canyon	1991	5,400	1991	1992	1995	300	WPE
1-21	1	Six Mile #3	03 San Pitch	413 Six Mile Canyon	1988	16,500	1991	1992	1995	50	RNG
1-18	1	Six Mile #1	03 San Pitch	413 Six Mile Canyon	1988	16,500	1991	1992	1995	30	RNG
1-19	1	Six Mile #2	03 San Pitch	413 Six Mile Canyon	1988	16,500	1991	1992	1995	45	RNG
3-13	3	Boulger Reservoir	04 Huntington Canyon	402 Boulger Canyon	1991	3,990	1991	1992	1995	94	
2-3	2	Boulger Canyon #1	05 Straight Canyon	402 Boulger Canyon	1992	2,160	1992	1993	1996	94	WPE
2-4	2	Boulger Canyon #2	05 Straight Canyon	402 Boulger Canyon	1992		1992	1993	1996	330	WPE
2-9	2	Lowry Water	05 Straight Canyon	502 Lowry Water	1992	34,300	1992	1993	1996	96	WPE
2-26	2	Danish Knoll	05 Straight Canyon	415 Seeley Creek	1993	10,600	1993	1994	1997	110	WPE
3-31	3	Blind Canyon South	04 Huntington Canyon	600 Huntington Canyon	1993	80,000	1993	1994	1997	410	
3-31	3	Blind Canyon South	04 Huntington Canyon	600 Huntington Canyon	1993	80,000	1993	1995	1998	520	
2-6	2	Fly Canyon	05 Straight Canyon	502 Lowry water	1994	34,300	1994	1996	1999	45	WPE
2-15	2	Sanpete Mountain	05 Straight Canyon	412 Reeder Canyon	1994	3,690					
			03 San Pitch	407 Canal Canyon	1994	5,710	1994	1996	1999	135	WPE
2-17	2	Black Canyon	05 Straight Canyon	405 Black Canyon	1995	8,260	1995	1996	1999	192	TBR
2-5	2	Cedar Creek	05 Straight Canyon	405 Black Canyon	1995	8,260					
			03 San Pitch	420 Cedar Creek	1995	1,730	1995	1996	1999	110	
2-33	2	The Cove	06 Ferron Canyon	401 Bear Creek Cove Creek	1996	870	1996	1997	2000	170	WPE

TABLE A-16

DETERMINATION OF INSTREAM FLOW NEEDS

Year	Watershed Name	Watershed No.	Counties
Completed	Huntington Creek	04	Sanpete, Emery
Completed	Straight Canyon	05	Sanpete, Emery
Completed	Ferron Canyon	06	Sanpete, Emery
Completed	Muddy Creek	07	Sanpete, Emery
1985	Price River	02	Carbon, Emery, Utah
1986	San Pitch River	03	Sanpete
1986	Upper Salina	17	Sanpete
1987	Chicken Creek	16	Juab, Sanpete
1987	Salt Creek	14	Juab, Sanpete
1987	Fountain Green	15	Juab, Sanpete
1988	Upper Spanish Fork	01	Carbon, Sanpete, Utah
1989	Moab	08	Grand, San Juan
1989	Paradox	18	San Juan, Utah, Montrose
1989	Delores River	09	Grand, San Juan, Utah, Montrose
1990	San Juan River	12	San Juan
1990	Montezuma Creek	13	San Juan
1990	Indian Creek	10	San Juan
1991	Grand Gulch	19	San Juan

1992

Dark Canyon

11

San Juan

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LANDSLIDE AND FLOOD DAMAGE REPAIR ACTIVITY SCHEDULE

As a result of the 1983 and 1984 flooding and landslide events, the Forest has identified the damage repair work and additional cost needs. Table A-17 (a detailed account of work activity needs that are quantified) and Table A-18 (a cost summary by activities) exhibit a ten-year program beyond the normal resource action programs identified in the Forest Plan. These actions are necessary to restore the Forest's resources and facilities to approximate pre-flood conditions. Some select inventory needs are included to further refine and analyze conditions that exist and to aid the Forest predictive capabilities of these damaged watersheds so other resource programs can continue in a logical manner.

The 1983 and 1984 flood events have resulted in a tremendous impact and strain on the Forest resource, permittees, and affected downstream communities and resources. It has affected the long-term capability of the Forest to handle the normal recurring output programs, and to meet public demands. The work program proposed in the respective table is designed to complete the work over a ten-year period and the added costs have been incorporated into the analyses.

The Forest-wide Flood Damage Repair Reports of 1983 and 1984 identified the damage to the respective resources and facilities that occurred. Table A-18 is a summary of the two respective reports for the work that is up and beyond the eligibility for the Emergency Watershed Protection (Section 403 of the Agriculture Credit Act) Program and ERFO (Emergency Relief Federally Owned) funding from the Federal Highway Administration. This flood damage repair program is scheduled over a ten-year period to keep within current manpower constraints. It could be accelerated into a shorter time frame, but additional staffing would be needed to carry forth this program along with the normal program of work.

With the present conditions of active sliding, high ground water, and predictions of continued above normal precipitation, the priorities or timing or work for any specific year could change to meet changing conditions and refinement and updated priorities.

Some of the identified resource work activities could move forward independently of the others. However, most of the program is multi-functional in nature and coordinated. To delete or delay one activity could affect the timing and outcome of the other activities. The fisheries stream habitat repair (C03) needs and the watershed improvement program (F03) of debris removal, riparian vegetation, etc., should go forth "hand in glove", drainage by drainage, so these respective activities can compliment each other and provide for increased cost effectiveness of restoring the ravaged stream channels and fisheries resource.

Projects listed on Table A-17 are based on the initial flood damage reports. Each project will require on-site evaluation prior to implementation to assure that the effects of natural repair processes and completed projects at or adjacent to the project site are considered in project design.

TABLE A-17

FLOOD DAMAGE REPAIR ACTIVITY SCHEDULE

MIH CODE	RANGER DISTRICT	PROJECT NAME	TYPE OF TREATMENT	MILES	STRUCTURES	ACRES	TREATMENT YEAR	MANAGEMENT AREA
A05	1	Chicken Creek C.G. Repair	Design				86	DRS
A05	1	Pinchot C.G. Replacement	Design				87	DRS RPN
A05	1	Oowah C.G. Replacement	Design				88	DRS
A05	2	Ferron Canyon Picnic Area	Design				89	DRS
A05	3	Forks of Huntington Canyon C.G.	Design Water System				90	DRS RPN SPR RNG
A05	1	Chicken Creek C.G. & Water System	Reconstruction				87	GWR RNG
A05	1	Pinchot C.G. Replacement	Reconstruction				88	RPN RNG
A05	1	Oowah C.G. Replacement	Reconstruction				89	DRS
A05	2	Ferron Canyon Picnic Area Replacement	Reconstruction				90	DRS
A05	3	Forks of Huntington Canyon C.G. Water System	Replacement				91	DRS RPN SPR RNG
A10	1	Oak Creek Trail No. 5053	Design	1.2			87	RNG
A10	1	Dry Creek Trail No. 5048	Design	0.8			87	GWR RNG
A10	1	White Ledge Fork Trail No. 5096	Design	0.8			87	RNG
A10	1	Patten Trail No. 5120	Design	1.4			87	RNG TBR
A10	1	Birch Creek Trail No. 5115	Design	1.9			87	RNG
A10	1	Narrow Trail No. 5125	Design	4.6			87	TBR RNG
A10	4	Oowah Lake Trail No. 5141	Design	3.6			88	RNG TBR
A10	1	Oak Creek Trail No. 5053	Construction	1.7			88	RNG
A10	1	Dry Creek Trail No 5048	Construction	0.8			88	GWR RNG
A10	1	White Ledge Fork Trail No. 5096	Construction	0.8			88	RNG
A10	1	Patten Trail No. 5120	Construction	1.4			88	RNG TBR
A10	1	Birch Creek Trail No. 5115	Construction	1.9			88	RNG
A10	1	Narrow Trail No. 5125	Construction	4.6			88	TBR RNG
A10	4	Oowah Lake Trail No. 5141	Construction	3.6			89	RNG TBR
C03	4	Oowah Reservoir Dam Replacement	Construction		1		87	DRS
C03	1	Six-Mile Ponds Dam Replacement	Construction		1		88	UDM RNG
D02	S.O.	Range Allotment Inventory	Allotment Map Update			4,500	86	
D02	S.O.	Range Allotment Inventory	Allotment Map Update			4,500	87	
D05		Range Structural Facility	Replacement	16			86	
E00	S.O.	Timber Resource Damage	Inventory			8,000	87	

TABLE A-17 (Continued)

FLOOD DAMAGE REPAIR ACTIVITY SCHEDULE

MIH CODE	RANGER DISTRICT	PROJECT NAME	TYPE OF TREATMENT	MILES	STRUCTURES	ACRES	TREATMENT YEAR	MANAGEMENT AREA
F01	S.O.	Accelerated Soil Resource	Inventory (Manti Div.)			200,000	86	
F01	S.O.	Accelerated Soil Resource	Inventory (Manti Div.)			200,000	87	
F01	S.O.	Accelerated Soil Resource	Inventory (San Pitch)			69,000	88	
F01	S.O.	Watershed Landslide Evaluation	Inventory & Report			40,000	87	
F03	1	Chicken Creek Near Levan	Watershed Rehabilitation	0.0	0	25	86	RNG
F03	1	Chicken Creek Near Levan	Riparian Revegetation	2.1	0	8	86	RPN
F03	1	Chicken Creek Near Levan	Remove Debris	5.8	0	71	86	RPN
C03082	1	Chicken Creek Near Levan	Fish Habitats	8.7	486	0	86	RPN
F03	1	Fairview Canyon	Watershed Rehabilitation	0.0	0	80	87	
C03082	1	Fairview Canyon	Fish Habitats	2.2	150	0	87	RPN
F03	1	Fairview Canyon	Remove Debris	6.6	0	27	87	RPN
F03	1	Manti Canyon	Remove Debris	2.0	0	7	87	RPN
C03082	1	Manti Canyon	Fish Habitats	6.6	226	0	87	RPN
F03	1	Ephraim Canyon	Remove Debris	1.1	0	4	87	RPN
C03082	1	Ephraim Canyon	Fish Habitat	5.1	110	0	87	RPN
F03	1	Thistle Creek	Remove Debris	4.8	0	20	88	RPN
F03	1	Rock Creek	Riparian Revegetation	0.3	0	1	88	RPN
F03	1	Rock Creek	Remove Debris	1.9	0	8	88	RPN
F03	1	Oak Creek Near Spring City	Remove Debris	4.0	0	9	88	RPN
C03082	1	Oak Creek Near Spring City	Fish Habitats	5.5	237	0	88	RPN
F03	1	Canal Canyon	Remove Debris	1.8	0	7	88	RPN
F03	3	North Hughes Canyon	Riparian Revegetation	0.5	0	2	88	RPN
F03	3	North Hughes Canyon	Remove Debris	0.6	0	2	88	RPN
F03	3	Eccles Canyon	Remove Debris	0.3	0	1	88	RPN
F03	1	Oak Creek Near Fairview	Remove Debris	1.0	0	4	89	RPN
F03	1	Oak Creek Near Fairview	Riparian Revegetation	2.7	0	11	89	RPN
C03082	1	Oak Creek Near Fairview	Fish Habitats	4.0	175	0	89	RPN
F03	1	Dry Creek Near Fairview	Remove Debris	1.0	0	4	89	RPN
C03082	1	Dry Creek Near Fairview	Fish Habitats	3.9	175	0	89	RPN
F03	3	Lake Fork	Remove Debris	5.4	0	42	89	RPN
F03	3	Lake Fork	Riparian Revegetation	5.9	0	24	89	RPN
C03082	3	Lake Fork	Fish Habitats	8.4	242	0	89	RPN

TABLE A-17 (Continued)

FLOOD DAMAGE REPAIR ACTIVITY SCHEDULE

MIH CODE	RANGER DISTRICT	PROJECT NAME	TYPE OF TREATMENT	MILES	STRUCTURES	ACRES	TREATMENT YEAR	MANAGEMENT AREA
F03	3	Left Fork of Huntington Creek	Riparian Revegetation	.8	0	3	90	RPN
F03	3	Left Fork of Huntington Creek	Remove Debris	.9	0	7	90	RPN
C03082	3	Left Fork of Huntington Creek	Fish Habitats	18.2	428	0	90	RPN
C03082	1	Twelve Mile Creek	Fish Habitats	7.7	408	0	91	RPN
F03	1	Twelve Mile Creek	Remove Debris	9.7	0	116	91	RPN
C03082	1	Twelve Mile Creek	Fish Habitats	7.6	408	0	92	RPN
F03	1	Twelve Mile Creek	Remove Debris	8.0	0	32	92	RPN
F03	1	Six-Mile Creek	Remove Debris	6.3	0	25	93	RPN
C03082	1	Six-Mile Creek	Fish Habitats	9.4	332	0	93	RPN
F03	1	Little Clear Creek	Riparian Revegetation	1.6	0	6	93	RPN
F03	1	Little Clear Creek	Remove Debris	4.9	0	33	93	RPN
F03	1	Little Clear Creek	Watershed Rehabilitation			20	93	RPN
F03	2	Seely Creek	Remove Debris	.6	0	2	94	RPN
C03082	2	Seely Creek	Fish Habitats	2.5	72	0	94	RPN
F03	2	Seely Creek	Riparian Revegetation	4.0	0	16	94	RPN
F03	2	Reeder Canyon	Remove Debris	.2	0	1	94	RPN
F03	3	Winter Quarters Creek	Remove Debris	.1	0	1	94	RPN
F03	3	Woods Canyon	Remove Debris	.7	0	3	94	RPN
C03082	3	Woods Canyon	Fish Habitat	1.0	25	0	94	RPN
F03	3	Pontown Creek	Remove Debris	.1	0	1	94	RPN
F03	3	Pontown Creek	Riparian Revegetation	2.0	0	8	94	RPN
C03082	3	Pontown Creek	Fish Habitats	2.6	75	0	94	RPN
C03082	3	French Creek	Fish Habitats	1.2	32	0	94	RPN
F03	3	French Creek	Riparian Revegetation	1.2	0	5	94	RPN
C03082	1	Deep Creek	Fish Habitats	3.0	260	0	94	RPN
F03	1	Deep Creek Near Levan	Remove Debris	3.2	0	13	94	RPN
F03	2	Ferron Canyon	Remove Debris	2.0	0	8	95	RPN
C03082	3	Eccles Canyon	Fish Habitats	.3	13	0	95	RPN
C03082	2	Muddy Creek	Fish Habitats	1.3	46	0	95	RPN
F03	2	Muddy Creek	Remove Debris	1.9	0	7	95	RPN

MIH CODE	RANGER DISTRICT	PROJECT NAME	TYPE OF TREATMENT	MILES	STRUCTURES	ACRES	TREATMENT YEAR	MANAGEMENT AREA
F03	2	Muddy Creek	Riparian Revegetation	4.6	0	18	95	RPN
F03	4	Mill Creek at Moab	Remove Debris	.5	0	2	95	RPN
C03082	4	Mill Creek at Moab	Fish Habitats	2.0	87	0	95	RPN
F03	3	Fish Creek	Remove Debris	.1	0	1	95	RPN
C03082	3	Tie Fork Canyon	Fish Habitats	.1	3	0	95	RPN
F03	3	Tie Fork Canyon	Remove Debris	.1	0	1	95	RPN
F03	3	Blind Canyon	Watershed Rehabilitation	0.0	0	2	95	RPN
F03	3	Mill Fork Canyon (Huntington Creek)	Watershed Rehabilitation	0.0	0	2	95	RPN
F03	3	Mill Fork Canyon (Huntington Creek)	Remove Debris	.5	0	2	95	RPN
C03082	2	Lowry Water	Fish Habitats	.1	5	0	95	RPN
F03	2	Lowry Water	Remove Debris	.5	0	2	95	RPN
F03	2	Lowry Water	Riparian Revegetation	.5	0	2	95	RPN
F03	3	Little Bear Canyon	Remove Debris	.1	0	1	95	RPN
F03	1	Four Mile Canyon	Watershed Rehabilitation	0.0	0	25	95	RPN
F03	1	Four Mile Canyon	Remove Debris	.3	0	1	95	RPN
C03082	1	Four Mile Creek Near Levan	Fish Habitats	1.8	96	0	95	RPN
F03	3	York Canyon	Remove Debris	1.1	0	4	95	RPN
F03	3	Mill Fork (North End)	Remove Debris	.2	0	1	95	RPN
F03	3	Mill Fork (North End)	Riparian Revegetation	.2	0	1	95	RPN
F03	1	Log Hollow/North Canyon	Remove Debris	1.0	0	4	95	RPN
L02	2	Ferron-Mayfield Road No. 50022	Preconstruction Eng.	22.3	0	0	86	
L06	2	Miller's Flat Road No. 50114	Preconstruction Eng.	18.0	0	0	87	
L06	2	Southside Ferron Mountain Road No. 43	Preconstruction Eng.	18.2	0	0	88	
L06	3	Lake Fork Indianola No. 50070	Preconstruction Eng.	20.2	0	0	89	
L06	1	Maple Canyon Road No. 50066	Preconstruction Eng.	4.7	0	0	90	
L06	4	Dark Canyon Lake No. 50129	Preconstruction Eng.	12.9	0	0	90	
L06	1	Six Mile Road No. 50047	Preconstruction Eng.	13.0	0	0	90	
L06	1	Chicken Creek Road No. 50101	Preconstruction Eng.	13.6	0	0	91	
L10	1	Beaver Creek Road No. 50290	Preconstruction Eng.	6.8	0	0	92	
L06	3	Browns Peak Road No. 50125	Preconstruction Eng.	11.4	0	0	93	
L10	1	Dry Creek Road No. 50217	Preconstruction Eng.	1.5	0	0	94	
L10	3	Intex Mine Road No. 50012	Preconstruction Eng.	2.0	0	0	94	

TABLE A-17 (Continued)

FLOOD DAMAGE REPAIR ACTIVITY SCHEDULE

MIH CODE	RANGER DISTRICT	PROJECT NAME	TYPE OF TREATMENT	MILES	STRUCTURES	ACRES	TREATMENT YEAR	MANAGEMENT AREA
L03	2	Ferron-Mayfield Road No. 50022	Construction Eng.	22.3	0	0	87	RNG MMA GWR
L07	2	Miller's Flat Road No. 50114	Construction Eng.	18.0	0	0	88	MMA RNG
L07	2	Southside Ferron Mountain Road No. 43	Construction Eng.	18.2	0	0	89	RNG TBR GWR
L07	3	Lake Fork Indianola No. 500070	Construction Eng.	20.2	0	0	90	RNG TBR GWR WPE SPR
L07	1	Maple Canyon Road No. 50066	Construction Eng.	4.7	0	0	91	RNG TBR WPE
L07	4	Dark Canyon Lake No. 50129	Construction Eng.	12.9	0	0	91	RNG TBR
L07	1	Six Mile Road No. 50047	Construction Eng.	13.0	0	0	91	RNG TBR GWR WPE SPR
L07	1	Chicken Creek Road No. 50101	Construction Eng.	13.6	0	0	92	RNG GWR WPE SPR
L11	1	Beaver Creek Road No. 50290	Construction Eng.	6.8	0	0	93	RNG TBR GWR WPE SPR
L07	3	Browns Peak Road No. 501125	Construction Eng.	11.4	0	0	94	RNG GWR
L11	1	Dry Creek Road No. 50217	Construction Eng.	1.5	0	0	95	RNG
L11	3	Intex Mine Road No. 50012	Construction Eng.	2.0	0	0	95	RNG TBR
L05	2	Ferron-Mayfield Road No. 50022	Road Reconstruction	22.3	0	0	87	RNG SPR GWR UDM
L09	2	Miller's Flat Road No. 50114	Road Reconstruction	18.0	0	0	88	RNG TBR GWR
L09	2	Southside Ferron Mountain Road No. 43	Road Reconstruction	18.2	0	0	89	RNG TBR GWR
L09	3	Lake Fork Indianola No. 50070	Road Reconstruction	20.2	0	0	90	RNG TBR GWR WPE SPR
L09	1	Maple Canyon Road No. 50066	Road Reconstruction	4.7	0	0	91	RNG TBR WPE
L09	4	Dark Canyon Lake No. 50129	Road Reconstruction	12.9	0	0	91	RNG TBR
L09	1	Six Mile Road No. 50047	Road Reconstruction	13.0	0	0	91	RNG TBR GWR WPE SPR RNG GWR WPE SPR
L09	1	Chicken Creek Road No. 50101	Road Reconstruction	13.6	0	0	92	RNG TBR GWR WPE SPR RNG GWR WPE SPR
L13	3	Beaver Creek Road No. 50290	Road Reconstruction	6.8	0	0	93	RNG TBR GWR WPE SPR RNG GWR
L09	1	Browns Peak Road No. 50125	Road Reconstruction	11.4	0	0	94	RNG TBR GWR WPE SPR RNG GWR
L13	1	Dry Creek Road No. 50217	Road Reconstruction	1.5	0	0	95	RNG
L13	3	Intex Mine Road No. 50012	Road Reconstruction	2.0	0	0	95	RNG TBR
L19749	S.O.	Arterial Roads Maintenance Level 4	Road Maintenance	14.0	0	0	86	
L19749	S.O.	Major Collector Maintenance Level 4	Road Maintenance	99.9	0	0	86	
L19748	S.O.	Arterial Roads Maintenance Level 3	Road Maintenance	22.4	0	0	86	
L19749	S.O.	Minor Collector Maintenance Level 4	Road Maintenance	50.0	0	0	87	

TABLE A-17 (Continued)

FLOOD DAMAGE REPAIR ACTIVITY SCHEDULE

MIH CODE	RANGER DISTRICT	PROJECT NAME	TYPE OF TREATMENT	MILES	STRUCTURES	ACRES	TREATMENT YEAR	MANAGEMENT A
L19748	S.O.	Major Collector Maintenance Level 3	Road Maintenance	99.9	0	0	87	
L19748	S.O.	Minor Collector Maintenance Level 3	Road Maintenance	99.9	0	0	88	
L19747	S.O.	Minor Collector Maintenance Level 2	Road Maintenance	99.9	0	0	88	
L19749	S.O.	Local Road Maintenance Level 4	Road Maintenance	75.0	0	0	89	
L19748	S.O.	Local Road Maintenance Level 3	Road Maintenance	99.9	0	0	89	
L19747	S.O.	Local Road Maintenance Level 2	Road Maintenance	99.9	0	0	90	
L19746	S.O.	Local Road Maintenance Level 1	Road Maintenance	99.9	0	0	90	
L19749	S.O.	Arterial Roads Maintenance Level 4	Road Maintenance	14.0	0	0	91	
L19749	S.O.	Major Collector Maintenance Level 4	Road Maintenance	99.9	0	0	91	
L19748	S.O.	Arterial Roads Maintenance Level 3	Road Maintenance	22.4	0	0	91	
L19749	S.O.	Minor Collector Maintenance Level 4	Road Maintenance	50.0	0	0	92	
L19748	S.O.	Major Collector Maintenance Level 3	Road Maintenance	99.9	0	0	92	
L19748	S.O.	Minor Collector Maintenance Level 3	Road Maintenance	99.9	0	0	93	
L19747	S.O.	Minor Collector Maintenance Level 2	Road Maintenance	99.9	0	0	93	
L19748	S.O.	Local Road Maintenance Level 4	Road Maintenance	75.0	0	0	94	
L19747	S.O.	Local Road Maintenance Level 3	Road Maintenance	99.9	0	0	94	
L19746	S.O.	Local Road Maintenance Level 2	Road Maintenance	99.9	0	0	95	
L19749	S.O.	Local Road Maintenance Level 1	Road Maintenance	99.9	0	0	95	
P04	S.O.	Initial Attack Helicopter Until Primary Road Access is Restored	Fire Protection				86	
P04	S.O.	Initial Attack Helicopter Until Primary Road Access is Restored	Fire Protection				87	
P04	S.O.	Initial Attack Helicopter Until Primary Road Access is Restored	Fire Protection				88	

TABLE A-18

FLOOD DAMAGE COST REPAIR SUMMARY (\$M)
BY FISCAL YEAR AND MANAGEMENT ACTIVITIES

MIH CODE	ACTIVITY DESCRIPTION	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	Total
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A05	Recreation Facility and Site Design	70.0	52.0	35.0	87.0	9.0						253.0
A06	Recreation Facility and Site Construction (Replacement)		230.0	175.0	115.0	288.0	31.0					839.0
A10	Trail Reconstruction Design		11.0	4.0								15.
A10	Trail Reconstruction			65.0	20.0							85.0
C03	Structural-Fisheries Dam Replacement		150.0	146.0								296.0
C03	Stream Structural Habitat Improvement in Conjunction With Watershed	291.6	292.1	142.1	355.5	256.5	244.9	244.9	199.8	278.7	150.3	2456.4
E00	Timber Resource Damage Inventory		30									30.0
D02	Range Resource Inventory	15.0	15.0									30.0
D05	Range Structural Improvement (Replacement)	115.0										115.0
F01	Inventory (Watershed and Landslide Evaluation)		40.0									40.0
F01	Inventory (Accelerated Soil Resource Inventory)	100.0	100.0	34.5								234.5
F03	Watershed Improvement (Rehabilitation in conjunction With Stream Fisheries)	25.1	27.5	34.9	43.5	5.9	34.6	20.0	74.0	26.7	182.4	474.6
L02 L06 L10	Arterial, Collector, and Local Road Preconstruction	10.0	35.0	30.0	10.0	55.0	8.0	12.0	7.0	3.0		170.0
L03 L07 L11	Arterial, collector, and Local Road Construction Engineering		10.0	30.0	25.0	5.0	37.0	8.0	9.0	5.0	2.0	131.0
L05 L09 L13	Arterial, Collector, and Local Road Reconstruction		100.0	458.0	276.0	50.0	363.0	80.0	74.0	34.0	10.6	1445.6
L19	Road Operation (Maintenance-All Levels)	50.6	47.5	57.5	45.6	34.5	50.5	47.5	57.5	45.6	34.5	471.3
P04	Initial Attack Helicopter	80.0	80.0	80.0								240.0
	Total	757.3	1220.1	1292.0	977.6	703.9	769.0	412.4	421.3	393.0	379.8	7326.4