

## **SUPPLEMENTAL TABLES**

Table S1a Management Area Allocations for the Revision, ARNF, 1995

Management Area <sup>a</sup>	Alternatives					
	A	B	C	E	H	I
1.1 Wilderness	295,733	295,773	295,733	295,733	295,733	295,733
1.2 Recom. Wilderness	0	8,810	0	0	259,363	0
1.3 Backcountry Rec.	136,376	131,184	58,353	120,773	23,850	0
1.41 Core Areas-existing	0	9,065	0	0	152,762	0
1.42 Core Areas-restor.	0	0	0	0	31,338	0
1.5 Wild Rivers	151	3,272	151	12,026	3,272	151
2.2 Research Natural Areas <sup>b</sup>	154	11,285	154	154	0	0
3.1 Special Interest Areas	46,463	74,828	46,942	47,451	0	6,285
3.21 Limited Use Areas	0	0	0	0	114,512	0
3.3 Backcountry Rec.-mtr.	36,428	29,911	23,293	210,827	47,112	114,296
3.5 Flora and Fauna	311,734	332,554	171,316	68,373	50,627	171,876
3.55 Corridors	0	0	0	0	57,741	0
4.2 Scenery	0	30,129	29,457	29,590	0	28,204
4.3 Dispersed Rec.	175,918	107,478	62,868	318,011	90,208	56,489
4.4 Recreation Rivers	17,076	18,912	17,076	18,913	18,913	17,075
5.1 Gen. For. and Range	70,272	21,511	212,670	0	25,898	246,708
5.13 Forest Products	152,600	9,227	234,569	0	0	243,658
5.31 Fraser Exp. For.	22,501	22,501	22,501	22,501	22,501	22,501
5.5 Disp Rec.-Forest Prod.	0	135,038	62,003	94,312	0	21,177

7.1 Intermix	0	27,032	25,766	25,766	70,706	24,046
8.21 Dev. Rec. Comp.	1,958	3,213	3,653	4,271	15,415	18,708
8.22 Ski-based Resorts	21,685	16,527	21,544	20,349	9,101	22,142
<b>TOTAL</b>	<b>1,289,050</b>	<b>1,289,050</b>	<b>1,289,050</b>	<b>1,289,050</b>	<b>1,289,050</b>	<b>1,289,050</b>

<sup>a</sup> Management Area 8.3 (Designated Utility Corridors) is shown in Figure 3.26 in Chapter Three of this *FEIS* but is not included in this table because corridors are linear features crossing other management areas.

<sup>b</sup> Alternatives B and H also have 37,764 and 73,231 acres, respectively, within other management areas.

**Table S2b Management Area Allocations for the Revision, PNG, 1995**

Management Area <sup>a</sup>	Alternatives					
	A	B	C	E	H	I
2.2 Research Natural Areas <sup>b</sup>	0	2,578	644	788	13,870	256
3.1 Special Interest Areas	763	9,526	2,150	2,150	2,150	2,150
3.21 Limited Use Areas	0	0	0	0	73,177	0
3.61 Prairie Woodland	863	1,339	0	1,339	1,339	0
4.2 Scenery	4,862	4,920	4,920	4,920	4,920	4,920
4.3 Dispersed Rec.	0	345	600	15,171	0	600
6.4 Mid-Comp. High Structure, Native Short-grass Prairie	0	51,209	0	0	35,365	0
6.6 Mid-Comp. Low Structure, Grassland Resource Production	185,941	122,511	184,113	168,060	61,608	184,501
8.21 Dev. Rec. Complex	121	121	121	121	121	121
<b>TOTAL</b>	<b>192,548</b>	<b>192,548</b>	<b>192,548</b>	<b>192,548</b>	<b>192,548</b>	<b>192,548</b>

<sup>a</sup> Management Area 8.3 (Designated Utility Corridors) is shown in Figure 3.27 in Chapter Three of this *FEIS* but is not included in this table because corridors are linear features crossing other management areas.

<sup>b</sup> Alternatives B and H also have 37,764 and 73,231 acres, respectively, within their management areas.



**Tables S-2 Activities and Outcomes at Experienced and Full Implementation Budget Levels**

	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
<b>RECREATION Activities<sup>a</sup></b>													
Trails - Outside Wilderness - Experienced Budget	Miles	405	485	407	467	393	393	393	393	396	444	394	394
Full Budget		420	500	452	492	397	397	425	545	402	450	398	398
Trails - Outside Wilderness - Maintenance Experienced Budget	Miles	209	209	258	258	216	216	217	217	230	230	234	234
Full Budget		455	455	535	535	466	466	470	470	479	479	484	484
Trails - Outside Wilderness - Construction Experienced Budget	Miles	15	20	15	15	0	0	0	0	6	12	0	0
Full Budget		15	20	15	15	0	0	30	30	6	12	0	0
Trails Outside Wilderness - Reconstruction Experienced Budget	Miles	74	74	30	30	80	80	500	80	113	113	80	80
Full Budget		74	74	50	50	80	80	300	80	113	113	80	80
<b>WILDERNESS Activities<sup>a</sup></b>													
Trails - In Wilderness Experienced Budget	Miles	354	408	368	388	347	348	347	349	349	365	347	348
Full Budget		364	438	373	393	348	348	367	335	353	385	348	348
Trails - In Wilderness - Maintenance Experienced Budget	Miles	140	140	172	172	150	150	155	155	160	160	163	163
Full Budget		304	304	360	360	310	310	312	312	320	320	322	322
Trails - In Wilderness - Construction Experienced Budget	Miles	10	17	5	5	0	0	0	0	4	4	0	0
Full Budget		10	17	5	5	0	0	17	17	8	8	0	0

	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
Trails - In Wilderness - Reconstruction Experienced Budget Full Budget	Miles	70 70	70 70	10 40	10 40	74 74	74 74	274 274	74 74	100 100	100 100	74 74	74 74
<b>Outcomes<sup>b</sup></b> Wilderness Use Both Budgets	M RVDs	195	341	195	341	195	341	195	341	195	341	195	341
<b>HERITAGE RESOURCES</b> <b>Activities<sup>a</sup></b> Inventory	M Acres												
Experienced Budget		6	28	17	5	6	28	7	35	8	40	6	28
Full Budget		8	42	20	20	8	42	10	52	12	59	8	42
Sites Evaluated Experienced Budget Full Budget	Sites	99 149	495 745	91 137	455 685	99 149	495 745	123 184	615 920	139 208	695 1040	99 149	495 745
Sites Interpreted Experienced Budget Full Budget	Sites	1 2	6 8	1 2	5 7	1 2	6 8	1 2	7 10	2 3	8 11	1 2	6 8
<b>Outcomes<sup>b</sup></b> Heritage Use Both Budgets	M RVDs	239	616	239	616	239	616	239	616	239	616	239	616
<b>WILDLIFE HABITAT</b> <b>Activities<sup>a</sup></b> Aspen Regeneration	Acres												
Experienced Budget		52	260	110	110	38	190	38	190	84	420	38	190
Full Budget		78	390	310	210	57	285	57	285	125	638	57	285
Reduce Conifer Encroachment Experienced Budget Full Budget	Acres	260 390	1300 1950	0 100	0 500	190 280	950 1420	190 280	950 1420	420 630	2100 3130	190 280	950 1420

	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
Structural Improvements Experienced Budget Full Budget	Structures	13 20	65 98	12 28	12 28	10 14	48 71	10 14	48 71	21 31	105 157	10 14	48 71
Riparian Restoration Experienced Budget Full Budget	Acres	2 3	10 15	2 3	10 15	1 2	7 11	1 2	7 11	3 5	16 24	1 2	7 11
Travel Management Experienced Budget Full Budget	Acres	670 1640	670 1640	670 1640	670 1640	480 1190	480 1190	480 1190	480 1190	1070 2630	1070 2630	480 1190	480 1190
Structural Maintenance Experienced Budget Full Budget	Number	12 28	12 28	12 28	12 28	4 20	9 20	9 20	9 20	19 45	19 45	9 20	9 20
<b>Outcomes<sup>b</sup></b> Hunting - Big Game - Annual Both Budgets	M RVDs	186	386	186	386	186	386	186	386	186	386	186	386
Hunting - Other - Annual Both Budgets	M RVDs	20	21	20	21	20	21	20	21	20	21	20	21
<b>FISHERIES</b> <b>Activities<sup>a</sup></b> Streambank Rehabilitation Experienced Budget Full Budget	Miles	3 7	18 27	4 8	8 12	3 6	16 30	3 6	16 30	5 12	27 60	3 6	16 30
Structures Experienced Budget Full Budget	Structures	2 3	8 17	2 4	2 4	1 3	7 15	1 3	7 15	3 6	15 30	1 3	7 15
Structural Improvement Experienced Budget Full Budget	Numbers	8 17	8 17	10 20	10 20	7 15	7 15	7 15	7 15	15 30	15 30	7 15	7 15

	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
<b>Outcomes<sup>b</sup></b> Fishing Both Budgets	M RVDs	347	678	347	678	347	678	347	678	347	678	347	678
<b>THREATENED, ENDANGERED, AND SENSITIVE SPECIES</b> <b>Activities<sup>a</sup></b> Inventory - Plants	Areas												
Experienced Budget		2	2	12	12	9	9	7	7	24	24	9	9
Full Budget		3	3	18	18	13	13	10	10	36	36	13	13
Non-Structural Habitat Protection													
Experienced Budget	Acres	4	20	65	325	15	75	11	55	40	200	15	75
Full Budget		5	25	185	925	22	110	16	90	59	295	22	110
Structural Improvement													
Experienced Budget	Number	5	5	5	5	19	19	14	14	50	50	19	19
Full Budget		7	7	14	14	28	28	21	21	75	75	28	28
<b>GRAZING</b> <b>Activities<sup>a</sup></b> Grazing Permit Administration	Permits												
Experienced Budget		56	56	56	56	56	56	56	56	56	56	56	56
Full Budget		56	56	56	56	56	56	56	56	56	56	56	56
Grazing - Cattle - Annual													
Experienced Budget	M AUMs	73	73	73	73	73	73	73	73	63	63	73	73
Full Budget		73	73	73	73	73	73	73	73	63	63	73	73
Structural Improvements													
Experienced Budget	Number	22	22	28	28	20	20	18	18	12	12	20	20
Full Budget		33	33	48	48	30	30	27	27	18	18	30	30



	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
<b>RANGELAND VEGETATION</b>													
<u>Activities<sup>a</sup></u>													
Noxious Weeds	Acres												
Experienced Budget		180	180	350	500	360	360	350	350	1350	1350	350	350
Full Budget		275	275	500	1000	550	550	500	500	2050	2050	500	500
<b>FORESTLAND VEGETATION</b>													
<u>Activities<sup>a</sup></u>													
Harvest	Acres												
Experienced Budget		2500	3100	962	918	1900	3000	200	200	100	100	1300	1700
Full Budget		3100	2500	1251	1193	3300	3100	200	200	150	100	1550	1500
Timber Stand Improvement	Acres												
Experienced Budget		1700	300	375	375	2200	0	0	0	400	700	1300	500
Full Budget		1600	3400	906	906	1500	2900	200	200	100	100	1400	1700
Allowable Sale Quantity													
Experienced Budget	MMBF	16.9	19.3	5.0	5.0	17.9	18.4	1.8	1.8	0.9	1.0	13.9	15.4
	MMCF	4.7	4.7	1.5	1.5	5.1	5.1	0.5	0.5	0.2	0.2	3.9	3.9
Full Budget	MMBF	16.8	18.6	6.5	6.7	18.4	20.9	1.9	2.1	0.9	1.0	14.2	15.7
	MMCF	4.7	4.7	1.9	1.9	5.2	5.2	0.5	0.5	0.2	0.2	4.0	4.0
<u>Outcomes<sup>b</sup></u>													
Long-term Sustained Yield	MMCF												
Experienced Budget		4.7	4.7	1.5	1.5	5.1	5.1	0.5	0.5	0.2	0.2	3.9	3.9
Full Budget		4.7	4.7	1.9	1.9	5.2	5.2	0.5	0.5	0.2	0.2	4.0	4.0
<b>AIR, SOIL, AND WATER</b>													
<u>Activities<sup>a</sup></u>													
Stream Rehabilitation	Acres												
Experienced Budget		12	62	12	62	9	45	9	45	10	50	9	45
Full Budget		19	93	19	93	14	68	14	68	15	75	14	68

	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
Mine Rehabilitation													
Experienced Budget	Mines	30	0	30	30	0	30	0	30	60	300	30	0
Full Budget		80	0	80	80	0	80	0	80	320	1600	80	0
Road and "Way" Obliterations													
Experienced Budget	Miles	51	51	50	50	38	38	38	38	233	0	38	38
Full Budget		77	77	50	50	56	56	56	56	334	0	56	56
Hazardous Materials													
Experienced Budget	Sites	20	20	20	20	15	15	15	15	20	20	15	15
Full Budget		30	30	30	30	22	22	22	22	30	30	22	22
<b>LANDS AND REAL ESTATE</b>													
<b>Activities<sup>a</sup></b>													
Rec Special Use Administration	Number												
Experienced Budget		288	288	369	369	288	288	364	364	159	159	291	291
Full Budget		288	288	389	389	288	288	364	364	159	159	291	291
Rec Spec Use Administration to Standard	Number												
Both Budget Levels		86	86	110	110	86	86	109	109	47	47	87	87
Rec Spec Use Monitoring	Number												
Both Budget Levels		0	0	0	0	0	0	0	0	0	0	0	0
NonRec Spec Use Administration	Number												
Both Budget Levels		540	540	540	540	540	540	540	540	562	562	540	540
NonRec Spec Use Admin to Standard	Number												
Both Budget Levels		154	154	523	523	154	154	154	154	161	161	154	154
NonRec Spec Use Applications	Number												
Both Budget Levels		25	25	146	146	25	25	25	25	26	26	25	25
Landownership Admin - Adjustments	Acres												
Both Budget Levels		100	100	500	100	100	100	100	100	139	139	100	100

	UNITS (Annual Average)	ALT A Decade		ALT B Decade		ALT C Decade		ALT E Decade		ALT H Decade		ALT I Decade	
		First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth	First	Fifth
Landownership Admin - Exchanges Experienced Budget Full Budget	Acres	100 100	100 100	500 4300	100 100	100 100	100 100	100 100	100 100	139 139	139 139	100 100	100 100
Landownership Administration - ROWs Experienced Budget Full Budget	Number	10 10	10 10	8 17	8 17	10 10	10 10	10 10	10 10	14 14	14 14	10 10	10 10
<b>FIRE</b> <b>Activities<sup>a</sup></b> Prescribed Fire Experienced Budget Full Budget	Acres	2314 3471	11570 17355	4000 7000	11570 17355	1688 2532	8440 12660	1688 2532	8440 12660	3713 5570	18565 27850	1688 2532	8840 12660
<b>ROAD MANAGEMENT</b> <b>Activities<sup>a</sup></b> Road System Experienced Budget Full Budget	Miles	2595 2631	2694 2719	2691 2695	2739 2759	2628 2683	2784 2819	2594 2746	2754 2766	2322 2322	2322 2322	2634 2673	2766 2801
Maintenance Level 1, 2 Experienced Budget Full Budget	Miles	72 108	72 108	360 365	100 200	100 151	100 151	72 108	72 108	77 108	77 108	100 151	100 151
Maintenance Level 3, 4, 5 Experienced Budget Full Budget	Miles	8 12	8 12	40 40	15 20	11 17	11 17	8 12	8 12	8 12	8 12	11 17	11 17
Closure Installation Experienced Budget Full Budget	Miles	21 32	21 32	50 50	0 0	6 9	6 9	21 32	21 32	29 44	29 44	6 9	6 9

<sup>a</sup> Activities are actions taken and represent inputs into the ecosystem.

<sup>b</sup> Outcomes are results and generally represent outputs from the ecosystem.

**Table S3a Budget Costs by Program and Fund Type and Full or Experienced Budget Level (in Thousands of Dollars for Decade 1)<sup>a</sup>**

COST CENTERS	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
A. Recreation & Wilderness Program												
A.1 Revenue based recreation mgmt.	2,836	1,889	3,055	2,000	1,280	854	3,503	2,333	1,521	1,014	1,584	1,057
A.2 Heritage resources	374	250	160	140	374	250	466	310	526	350	374	250
A.3 Non revenue based recreation mgmt.	2,570	1,714	3,010	2,000	2,165	1,442	4,233	2,824	2,015	1,334	2,710	1,806
A.4 Wilderness mgmt.	678	454	610	500	788	526	1,125	752	1,267	842	827	553
<b>SUBTOTAL</b>	<b>6,458</b>	<b>4,307</b>	<b>6,835</b>	<b>4,640</b>	<b>4,607</b>	<b>3,072</b>	<b>9,327</b>	<b>6,219</b>	<b>5,329</b>	<b>3,550</b>	<b>5,495</b>	<b>3,666</b>
C. Wildlife & Fisheries Program												
C.1 Wildlife habitat mgmt.	644	429	710	510	476	317	463	307	1,012	677	476	317
C.2 Inland fisheries mgmt.	367	246	130	130	331	222	331	222	660	441	331	222
C.3 T & E species mgmt.	76	50	185	185	308	204	224	150	825	551	308	204
<b>SUBTOTAL</b>	<b>1,087</b>	<b>725</b>	<b>1,000</b>	<b>745</b>	<b>1,115</b>	<b>743</b>	<b>1,018</b>	<b>679</b>	<b>2,497</b>	<b>1,669</b>	<b>1,115</b>	<b>743</b>
D. Range Management Program												
D.1 Permit admin.	479	319	570	400	434	290	382	256	262	176	434	290
D.2 Rangeland vegetation mgmt.	97	64	370	120	158	105	111	74	457	304	158	105
<b>SUBTOTAL</b>	<b>576</b>	<b>383</b>	<b>940</b>	<b>520</b>	<b>592</b>	<b>395</b>	<b>493</b>	<b>330</b>	<b>719</b>	<b>480</b>	<b>592</b>	<b>395</b>

COST CENTERS	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
E. Timber Program												
E.1 Timber sale mgmt.	2,025	1,352	1,360	1,020	1,969	1,313	151	97	118	78	1,222	817
E.2 Forestland vegetation mgmt.	820	544	330	330	562	375	124	81	39	29	564	378
SUBTOTAL	2,845	1,896	1,690	1,350	2,531	1,688	275	178	157	107	1,786	1,195
F. Water, Soil, & Air Program												
F.1 Water & soil mgmt.	483	320	800	400	496	333	474	316	1,186	796	496	333
F.2 Air resource mgmt.	45	29	40	40	50	34	50	34	117	80	50	34
SUBTOTAL	528	349	840	440	546	367	524	350	1,303	876	546	367
G. Minerals Management												
SUBTOTAL	278	184	115	115	248	164	172	115	97	65	248	164
X. Infrastructure Management												
X.1 Basic land stewardship mgmt.	284	190	100	80	225	150	120	80	195	130	225	150
X.2 Facilities mgmt.	449	299	175	225	449	299	449	299	449	299	449	299
X.3 Road system mgmt.	3,711	2,472	1,680	1,000	3,643	2,431	2,214	1,474	1,417	949	3,056	2,036
SUBTOTAL	4,444	2,961	1,955	1,305	4,317	2,880	2,783	1,853	2,061	1,378	3,730	2,485

COST CENTERS	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
Y. Protection of Basic Resources												
Y.1 Real estate/special use mgmt.	1,092	727	2,400	1,300	1,092	727	1,195	796	1,046	693	1,096	730
Y.2 Fire protection/mgmt.	1,409	940	1,800	1,165	1,410	941	1,373	916	1,373	916	1,410	941
Y.3 Law enforcement	128	85	140	140	128	85	128	85	128	85	128	85
SUBTOTAL	2,629	1,752	4,340	2,605	2,630	1,753	2,696	1,797	2,547	1,694	2,634	1,756
Z. General Administration												
SUBTOTAL	1,822	1,215	1,822	1,215	1,822	1,215	1,822	1,215	1,822	1,215	1,822	1,215
GRAND TOTAL	20,667	13,772	19,520	13,015	18,408	12,277	19,110	12,736	16,532	11,034	17,968	11,986

<sup>4</sup> The base level funding is the same for all alternatives. However, due to different levels of construction, reforestation, brush disposal, or other similar items, the six alternatives have different Grand Totals.

**Table S3b Budget Costs by Program and Fund Type and Full or Experienced Budget Levels (in Thousands of Dollars for Decade 1)**

COST CENTERS	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
<b>A. Recreation &amp; Wilderness Program</b>												
Operations	1,953	1,302	2,370	1,609	1,986	1,323	3,362	2,241	2,300	1,533	2,346	1,562
Maintenance	244	163	366	248	422	282	681	454	379	253	586	390
Investment	3,017	2,010	2,626	1,782	1,039	694	3,186	2,123	1,281	853	1,145	764
Overhead	1,244	832	1,473	1,001	1,160	773	2,098	1,401	1,369	3,550	1,418	950
<b>TOTAL</b>	<b>6,458</b>	<b>4,307</b>	<b>6,835</b>	<b>4,640</b>	<b>4,607</b>	<b>3,072</b>	<b>9,327</b>	<b>6,219</b>	<b>5,329</b>	<b>3,550</b>	<b>5,495</b>	<b>3,666</b>
<b>C. Wildlife &amp; Fisheries Program</b>												
Operations	299	199	327	269	363	241	322	215	848	567	363	241
Maintenance	119	78	120	99	133	89	119	80	313	209	133	89
Investment	345	230	254	210	286	191	274	182	590	394	286	191
Overhead	324	218	299	247	333	222	303	202	746	499	333	222
<b>TOTAL</b>	<b>1,087</b>	<b>725</b>	<b>1,000</b>	<b>825</b>	<b>1,115</b>	<b>743</b>	<b>1,018</b>	<b>679</b>	<b>2,497</b>	<b>1,669</b>	<b>1,115</b>	<b>743</b>
<b>D. Range Management Program</b>												
Operations	243	162	404	224	249	167	212	142	321	214	249	167
Maintenance	96	64	145	80	87	58	76	51	52	35	87	58
Investment	77	51	120	68	90	59	63	43	133	89	90	59
Overhead	160	106	271	148	166	111	142	330	213	142	166	111

COST CENTERS	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
TOTAL	576	383	940	520	592	395	493	330	719	480	592	395
E. Timber Program												
Operations	1,373	915	713	570	1,332	888	102	67	79	53	805	539
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0
Investment	619	412	470	374	441	295	90	59	32	22	444	298
Overhead	853	569	507	406	758	505	83	52	46	32	537	358
TOTAL	2,845	1,896	1,690	1,350	2,531	1,688	275	178	157	107	1,786	1,195
F. Water, Soil, & Air Program												
Operations	138	90	285	149	210	140	210	140	394	264	210	140
Maintenance	77	51	105	54	56	38	56	38	74	50	56	38
Investment	158	104	201	107	121	82	103	68	447	300	121	82
Overhead	155	104	249	130	159	107	155	104	388	262	159	107
TOTAL	528	349	340	440	546	367	524	350	1,303	876	546	367
G. Minerals Management												
Operations	195	129	80	81	173	115	120	81	69	45	173	115
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0
Investment	0	0	0	0	0	0	0	0	0	0	0	0
Overhead	83	55	35	34	75	49	52	34	28	20	75	49
TOTAL	278	184	115	115	248	164	172	115	97	65	248	164



COST CENTERS	ALT A		ALT B		ALT C		ALT E		ALTH		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
<b>X. Infrastructure Management</b>												
Operations	442	296	283	190	472	315	442	295	469	313	472	315
Maintenance	442	293	271	180	446	298	426	282	447	297	446	298
Investment	2,870	1,912	1,044	647	2,688	1,792	1,371	914	657	442	2,150	1,430
Overhead	690	460	357	2,395	711	475	544	362	488	326	662	442
<b>TOTAL</b>	<b>4,444</b>	<b>2,961</b>	<b>1,955</b>	<b>1,305</b>	<b>4,317</b>	<b>2,880</b>	<b>2,783</b>	<b>1,853</b>	<b>2,061</b>	<b>1,378</b>	<b>3,730</b>	<b>2,485</b>
<b>Y. Protection of Basic Resources (Real Estate, Fire, Cooperative Law)</b>												
Operations	1,614	1,076	2,698	1,619	1,614	1,076	1,686	1,124	1,582	1,053	1,617	1,078
Maintenance	0	0	0	0	0	0	0	0	0	0	0	0
Investment	264	175	402	240	265	176	239	158	239	158	265	176
Overhead	751	501	1,240	746	751	501	771	515	726	483	752	502
<b>TOTAL</b>	<b>2,629</b>	<b>1,752</b>	<b>4,340</b>	<b>2,605</b>	<b>2,630</b>	<b>1,753</b>	<b>2,696</b>	<b>1,797</b>	<b>2,547</b>	<b>1,694</b>	<b>2,634</b>	<b>1,756</b>
<b>Z: General Administration</b>												
<b>TOTAL</b>	<b>1,822</b>	<b>1,215</b>	<b>1,805</b>	<b>1,215</b>	<b>1,822</b>	<b>1,215</b>	<b>1,822</b>	<b>1,215</b>	<b>1,822</b>	<b>1,215</b>	<b>1,822</b>	<b>1,215</b>
<b>GRAND TOTAL</b>	<b>20,667</b>	<b>13,772</b>	<b>19,520</b>	<b>13,015</b>	<b>18,408</b>	<b>12,277</b>	<b>19,110</b>	<b>12,736</b>	<b>16,532</b>	<b>11,034</b>	<b>17,968</b>	<b>11,986</b>

**Table S3c Budget Costs, Financial Revenues, and Economic Benefits Summary for Full and Experienced Budget Levels (in Thousands of Dollars for Decade 1)**

BUDGET SUMMARY	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
Program Summary												
Recreation/Wilderness	6,458	4,307	6,835	4,640	4,607	3,072	9,327	6,219	5,329	3,550	5,495	3,666
Wildlife/fisheries	1,087	725	1,000	825	1,115	743	1,018	679	2,497	1,669	1,115	743
Range	576	383	940	520	592	395	493	330	719	480	592	395
Timber	2,845	1,896	1,690	1,350	2,531	1,688	275	178	157	107	1,786	1,195
Water, soil, air	528	349	840	440	546	367	524	350	1,303	876	546	367
Minerals	278	184	115	115	248	164	172	115	97	65	248	164
Infrastructure	4,444	2,961	1,955	1,305	4,317	2,880	2,783	1,853	2,061	1,378	3,730	2,485
Protection	2,629	1,752	4,340	2,605	2,630	1,753	2,696	1,797	2,634	1,694	2,634	1,756
General administration	1,822	1,215	1,805	1,215	1,822	1,215	1,822	1,215	1,822	1,215	1,822	1,215
<b>TOTAL</b>	<b>20,667</b>	<b>13,772</b>	<b>19,520</b>	<b>13,015</b>	<b>18,408</b>	<b>12,277</b>	<b>19,110</b>	<b>12,736</b>	<b>16,619</b>	<b>11,034</b>	<b>17,968</b>	<b>11,986</b>
Budget Type Summary												
Operations	6,257	4,169	6,397	4,266	6,399	4,265	6,456	4,305	6,062	4,042	6,235	4,157
Maintenance	978	649	1,200	799	1,144	765	1,358	905	1,265	844	1,308	873
Investment	7,350	4,894	5,899	3,930	4,930	3,289	5,326	3,547	3,379	2,258	4,501	3,000
Overhead	6,082	4,060	6,024	4,018	5,935	3,958	5,970	3,979	5,826	3,890	5,924	3,956
<b>TOTAL</b>	<b>20,667</b>	<b>13,772</b>	<b>19,520</b>	<b>13,015</b>	<b>18,408</b>	<b>12,277</b>	<b>19,110</b>	<b>12,736</b>	<b>16,532</b>	<b>11,034</b>	<b>17,968</b>	<b>11,986</b>

BUDGET SUMMARY	ALT A		ALT B		ALT C		ALT E		ALT H		ALT I	
	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp	Full	Exp
Financial Revenues Summary												
Range	101	101	100	100	101	101	101	101	97	97	101	101
Timber	1,320	1,320	470	460	1,440	1,400	150	140	70	70	1,120	1,090
Recreation	93	93	117	117	108	108	147	147	94	94	108	108
Minerals/Oil & Gas	579	579	579	579	579	579	579	579	294	294	579	579
Special uses	1,264	1,264	1,197	1,197	1,482	1,482	1,436	1,436	1,132	1,132	1,482	1,482
<b>TOTAL</b>	<b>3,357</b>	<b>3,357</b>	<b>2,463</b>	<b>2,453</b>	<b>3,710</b>	<b>3,670</b>	<b>2,413</b>	<b>2,403</b>	<b>1,687</b>	<b>1,687</b>	<b>3,390</b>	<b>3,360</b>
From: Yearly Average Annual Receipts for the ARNF-PNG, 10/24/95												
Economic Benefits Summary												
Range	701	701	699	699	701	701	701	701	619	619	701	701
Timber	1,320	1,320	470	460	1,440	1,400	150	140	70	70	1,120	1,090
Recreation	39,884	39,884	37,207	37,207	48,657	48,657	47,617	47,617	34,590	34,590	48,657	48,657
Minerals/Oil & Gas	579	579	579	579	579	579	579	579	294	294	579	579
Special uses	1,264	1,264	1,197	1,197	1,482	1,482	1,436	1,436	1,132	1,132	1,482	1,482
<b>TOTAL</b>	<b>43,748</b>	<b>43,748</b>	<b>40,152</b>	<b>40,142</b>	<b>52,859</b>	<b>52,819</b>	<b>50,483</b>	<b>50,473</b>	<b>36,705</b>	<b>36,705</b>	<b>52,539</b>	<b>52,509</b>
From: Yearly Average Annual Receipts for the ARNF-PNG, 10/24/95												



## CHAPTER FOUR

# LIST OF PREPARERS

Revision of the *Forest Plan* for the Arapaho and Roosevelt National Forests and Pawnee National Grassland has been a major effort. A small group of five called the "Core Team" has remained almost intact since the revision effort began in 1991. The Interdisciplinary Team has seen some turnover. The following members are those who have been or are currently still assigned to the teams and had a direct responsibility for preparation of the document:

HOWARD ALDEN, Recreation Planner. BS Biology; MS Forest Ecology; PhD Forest Recreation. Howard was responsible for the recreation resource analysis and monitoring and evaluation portions of the *Forest Plan* revision.

TOM ANDREWS, Research Natural Area Ecologist. MS Plant Ecology, PhD Organic Chemistry. Tom assisted in preparation of the *FEIS* and *Forest Plan* sections dealing with Research Natural Areas.

LYNNE BRIDGFORD, GIS Specialist. BS Outdoor Recreation, MS Forest Management/GIS. Lynne is responsible for development of the Forest's databases and the GIS analysis.

KRISTI BUFFINGTON, GIS Technician. BS Forest Management, MS Remote Sensing/GIS. Kristi helped develop the Forest's databases and GIS analysis.

VERONICA BUSTAMANTE-MITCHELL, Civil Engineer. BS Civil Engineering. Veronica was responsible for the Travel Management and Facilities portions of the *FEIS* and the *Forest Plan*.

CARL CHAMBERS, Forest Hydrologist. BS Watershed Management. Carl prepared the watershed portion of the Aquatic Resources section of this *FEIS*. He also helped formulate Forestwide Direction.

MARY ANN CHAMBERS, BS Recreation Resources Management/Forestry. Mary Ann was a forester with the U.S. Forest Service from 1980 to 1995. She prepared the North Saint Vrain Wild and Scenic River Study, and the summaries and alternatives portions of the Roadless Areas Section of this *FEIS*.

JAMES CUTHBERTSON, Interdisciplinary Planner. BS Forestry. Jim served as a Core Team member, completed FORPLAN modeling, coordinated data and analysis, and map production.