

SURVEY OF WILDLIFE PROTECTED AREAS IN INDIA

VOLUME 2 TABLES

SPONSORED BY
THE MINISTRY OF ENVIRONMENT AND FORESTS
GOVERNMENT OF INDIA

INDIAN INSTITUTE OF PUBLIC ADMINISTRATION
NEW DELHI

DRAFT FINAL REPORT
NOT TO BE QUOTED

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2001

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Table 1-1: Habitat Types in PA's

Note: All values for area in this table are in square kilometres

Sno/PA code	Total Area	Forests	Forests %	Wetlands	Wetlands %	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Oceans %	Rangelands/ grasslands	Mountains	Mountains %	Deserts	Deserts %	Glaciers	Glaciers %
1 AS/N/SAD	32.54	32.54	100.00%		0.00%	1			0.00%		0.00%			0.00%		0.00%		0.00%
2 AR/S/CUT	5.82		0.00%		0.00%		9		0.00%		0.00%			0.00%		0.00%		0.00%
3 AS/N/S/INT	133	133	100.00%		0.00%			133	0.00%		0.00%			0.00%		0.00%		0.00%
4 AP/N/KAS	1.425	1.425	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
5 AP/N/MAH	14.59	14.59	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
6 AP/N/MIKU	2.8	2.8	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
7 AP/N/VEN	2525.97	525.97	20.82%	5.00	0.20%	40	20		0.00%		0.00%			0.00%		0.00%		0.00%
8 AP/S/COR	235.7	235.7	100.00%	235.70	100.00%	175			0.00%		0.00%	1		0.00%		0.00%		0.00%
9 AP/S/ETU	803	803	100.00%	1.63	0.20%				0.00%		0.00%			0.00%		0.00%		0.00%
10 AP/S/GUN	1194	1194	100.00%		0.00%				0.00%		0.00%		716	59.97%		0.00%		0.00%
11 AP/S/KAW	893	893	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
12 AP/S/KOI	308		0.00%	308.00	100.00%				0.00%		0.00%			0.00%		0.00%		0.00%
13 AP/S/KOU	357.63	199.63	55.82%		0.00%				0.00%		0.00%		160	44.74%		0.00%		0.00%
14 AP/S/KRI	194.21		0.00%	194.21	100.00%				0.00%		0.00%			0.00%		0.00%		0.00%
15 AP/S/MAN	20		0.00%	20.00	100.00%				0.00%		0.00%			0.00%		0.00%		0.00%
16 AP/S/NEI	4.58	3.75	81.88%	0.88	19.21%				0.00%		0.00%			0.00%		0.00%		0.00%
17 AP/S/PAK	860	860	100.00%		0.00%	59			0.00%		0.00%			0.00%		0.00%		0.00%
18 AP/S/PAP	590.68	575.15	97.37%		0.00%	15.53			0.00%		0.00%			0.00%		0.00%		0.00%
19 AP/S/POC	130	130	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
20 AP/S/PRA	138	138	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
21 AP/S/PUL	461	16.16	3.51%		0.00%	70			0.00%		0.00%			0.00%		0.00%		0.00%
22 AP/S/SIW	30	30	100.00%		0.00%	17.5			0.00%		0.00%		483	100.00%		0.00%		0.00%
23 ARU/N/MOU	483	483	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
24 ARU/N/NAM	1807.82	1807.82	91.06%		0.00%				0.00%		0.00%		1807.82	91.06%		0.00%		0.00%
25 ARU/S/DER	190	28.5	15.00%		0.00%	80-100			0.00%		0.00%	142.5		0.00%		0.00%		0.00%
26 ARU/S/KAM	783	783	100.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
27 ARU/S/MEH	281.5	281.5	100.00%		0.00%	250			0.00%		0.00%	0.2	280	99.47%		0.00%		0.00%
28 ARU/S/YOR	445.975		0.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%
29 ASS/N/DIB	340	0.36	0.11%	0.10	0.03%				0.00%		0.00%	0.21		0.00%		0.00%		0.00%
30 ASS/N/KAZ	407.9	114.01	27.95%	31.12	7.63%	147.8			0.00%		0.00%	261.15		0.00%		0.00%		0.00%
31 ASS/N/MAH	519.77	150	28.86%		0.00%	300			0.00%		0.00%	370		0.00%		0.00%		0.00%
32 ASS/N/ORA	78.8	11.81	14.99%	9.53	12.09%	25	12	9.04	11.47%		0.00%	36.45		0.00%		0.00%		0.00%
33 ASS/S/HAR	26.21	9	34.34%		0.00%	6			0.00%		0.00%	11	9	34.34%		0.00%		0.00%
34 ASS/S/DIP	0.01656		0.00%	0.02	100.00%	2.50			0.00%		0.00%			0.00%		0.00%		0.00%
35 ASS/S/GIB	19.16	15.6	81.42%	2.56	13.36%	1.60			0.00%		0.00%			0.00%		0.00%		0.00%
36 ASS/S/LAU	70.1	42.1	60.06%	8.00	11.41%				0.00%		0.00%	20		0.00%		0.00%		0.00%
37 ASS/S/PAN	33.93		0.00%	33.93	100.00%				0.00%		0.00%			0.00%		0.00%		0.00%
38 ASS/S/POP	16	2.04	12.75%	0.65	4.06%	1.86			0.00%		0.00%	11.45		0.00%		0.00%		0.00%
39 ASS/S/HIN	270	158	58.52%	5.00	1.85%	14			0.00%		0.00%	39	7	3.18%		0.00%		0.00%
40 BHS/PAT	35.84		0.00%		0.00%				0.00%		0.00%			0.00%		0.00%		0.00%

Table 1.1: Habitat Types in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Forests	Forests %	Wetlands	Wetlands %	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Oceans %	Rangelands/ grasslands	Rangelands %	Mountains	Mountains %	Deserts	Deserts %	Glaciers	Glaciers %
41	CHD/S/SAR	26.11	3.055	11.70%		0.00%				0.00%		0.00%		0.00%	3055	11700.50%		0.00%		0.00%
42	CHT/N/IND	2799.086	2799.086	100.00%		0.00%				0.00%		0.00%		0.00%				0.00%		0.00%
43	CHT/N/KAN	200		0.00%		0.00%				0.00%		0.00%		0.00%				0.00%		0.00%
44	CHT/S/ACH	551.552	551.552	100.00%		0.00%	50			0.00%		0.00%		0.00%	200	36.26%		0.00%		0.00%
45	CHT/S/RAD	104.45	104.45	100.00%		0.00%	27			0.00%		0.00%	0.7	0.19%	0.8	0.77%		0.00%		0.00%
46	CHT/S/BAG	478	231.047	48.34%		0.00%	170			0.00%		0.00%	0.15	0.03%	0.1	0.02%		0.00%		0.00%
47	CHT/S/BAR	244.66	244.66	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
48	CHT/S/BHA	138.95	124.95	89.92%		0.00%	18			0.00%		0.00%	10	7.20%		0.00%		0.00%		0.00%
49	CHT/S/IPAM	4402.23	422.23	9.59%		0.00%	10			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
50	CHT/S/SIT	558.55	538.55	100.00%	2.50	0.45%	50			0.00%		0.00%	1.5	0.27%	160	28.65%		0.00%		0.00%
51	CHT/S/TAM	608.527	593.843	97.59%		0.00%	91			0.00%		0.00%	3.69	0.61%		0.00%		0.00%		0.00%
52	CHT/S/UDA	237	237.27	100.11%		0.00%				0.00%		0.00%	1.5	0.63%		0.00%		0.00%		0.00%
53	DEL/S/ASO	27.81	27.81	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
54	GOA/S/CHO	1.8	1.8	100.00%	1.80	100.00%	4.3	4.3	4.3	238.89%	1.8	100.00%		0.00%		0.00%		0.00%		0.00%
55	GUJ/N/BAN	23.99	23.99	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
56	GUJ/S/PUR	160.8	268.896	167.22%		0.00%	51.25			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
57	GUJ/S/WIL	4953	531.62	10.73%		0.00%	Not surveyed	300	185	3.74%		0.00%		0.00%		0.00%	3569	72.06%		0.00%
58	HAR/N/SUL	1.408	0.4	28.41%	0.80	56.82%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
59	HAR/S/ARU																			
60	HAR/S/BHIN	4.058		0.00%	4.07	100.00%	12			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
61	HAR/S/BIRB	8	4.144	51.80%	0.30	3.75%	2			0.00%		0.00%	0.5	6.25%		0.00%		0.00%		0.00%
62	HAR/S/BIRS	7.673	7.673	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
63	HAR/S/CHIL	0.28		0.00%	0.28	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
64	HAR/S/KAH	99.116	99.116	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
65	HAR/S/PTIG	0.310		0.00%	0.82	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
66	HAR/S/PAH		2.09																	
67	HAR/S/SAR	44.02	44.02	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
68	HAR/S/SHI	96.0		0.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
69	HAR/S/SHAR	16.23	16.23	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%

Table 1.1: Habitat Types in PAS

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Forests	Forests %	Wetlands	Wetlands%	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Rangelands/ grasslands	Rangelands%	Mountains	Deserts	Deserts%	Glaciers	Glaciers%
70	HP/S/DHA	943.98	164	17.37%	3.00	0.32%	100.00			0.00%	0.00%	280	29.56%	944	100.00%	0.00%	500	52.97%
71	HP/S/GAM	109	80.4	73.76%		0.00%	26			0.00%	0.00%	23	21.10%	109	100.00%	0.00%		0.00%
72	HP/S/KAL	169.47	18	25.91%	0.03	0.04%				0.00%	0.00%	2	2.88%	69.47	100.00%	0.00%		0.00%
73	HP/S/KUG	117.347										243.6542					13.3661	
74	HP/S/LIP	30.89	30.89	100.00%		0.00%				0.00%	0.00%	14.75	47.75%	30.89	100.00%	0.00%	5.6396	18.26%
75	HP/S/NAR	278.38	139.05	49.95%		0.00%	110			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
76	HP/S/MON	307.7	32.19	10.46%	93.76	30.47%		0.6	0.19%	0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
77	HP/S/RLP	269.15	113.2	42.06%		0.00%	85			0.00%	0.00%	109.96	40.85%	269.15	100.00%	0.00%	44.29	16.46%
78	HP/S/SAN	650	33.0755	5.09%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%	66.157	10.18%
79	HP/S/SHI	90.37	85.38	94.48%		0.00%	50			0.00%	0.00%	2.75	3.04%		0.00%	0.00%		0.00%
80	HP/S/TUN	64	27.24	42.56%		0.00%				0.00%	0.00%	35.1083	54.86%		0.00%	0.00%	10	15.63%
81	JK/N/KIS	425	425	100.00%		0.00%				0.00%	0.00%	212.5	50.00%	425	100.00%	0.00%		0.00%
82	JK/S/OVE	425	265	62.35%	50.00	11.76%	125			0.00%	0.00%	100	23.53%		0.00%	0.00%	65	15.29%
83	JHA/N/RAJ	0.7444		0.00%		0.00%				0.00%	0.00%		0.00%	0.7444	100.00%	0.00%		0.00%
84	JHA/S/HAZ	186.255	186.255	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
85	JHA/S/PAR	50.8	50.8093	100.02%		0.00%				0.00%	0.00%		0.00%	50.8093	100.02%	0.00%		0.00%
86	JHA/S/UOH				1.27					0.00%	0.00%							0.00%
87	KAR/N/ANS	250	250	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
88	KAR/N/BAN	880.02	880.02	100.00%		0.00%	35			0.00%	0.00%	10	1.14%		0.00%	0.00%		0.00%
89	KAR/N/KUD	600.324	265.324	44.20%		0.00%	147			0.00%	0.00%	218	36.31%	117	19.49%	0.00%		0.00%
90	KAR/N/NAG	643.392	643.392	100.00%	80.00	12.43%	93.5			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
91	KAR/S/ADI	0.885	0.885	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
92	KAR/S/ARA	13.5	13.5	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
93	KAR/S/BHA	492.46	492.46	100.00%		0.00%	70			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
94	KAR/S/BRA	181.29	181.29	100.00%	5.00	2.76%	30			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
95	KAR/S/DAN	475.018	475.018	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
96	KAR/S/DOR	55.873	55.873	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
97	KAR/S/GHA	29.785		0.00%		0.00%		29.785	100.00%	0.00%	0.00%		0.00%		57.27%	0.00%		0.00%
98	KAR/S/GUD	0.7368	0.4368	59.28%		0.00%		0.3	40.72%	0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
99	KAR/S/KAV	526.95	526.95	100.00%		0.00%	160			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
100	KAR/S/MEL	49.82	49.82	100.00%		0.00%	200			0.00%	0.00%	25	10.12%	25	10.12%	0.00%		0.00%
101	KAR/S/MOO	247	175	70.85%	15.00	6.07%				0.00%	0.00%							0.00%
102	KAR/S/MUG	30.32	30.32	100.00%		0.00%	10			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
103	KAR/S/PUS	92.66	92.65859	100.00%		0.00%	40			0.00%	0.00%		0.00%		0.00%	0.00%		0.00%
104	KAR/S/RANE	119	119	100.00%		0.00%				0.00%	0.00%		0.00%		0.00%	0.00%		0.00%

Table 1.1: Habitat Types in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code:	Total Area	Forests	Forests %	Wetlands	Wetlands %	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Rangelands/ grasslands	Mountains	Mountains %	Deserts	Deserts %	Glaciers	Glaciers %
105	KAR/S/RANG	67	0.67	1.00%		0.00%	2		0.67	1.00%		0.00%		0.00%		0.00%		0.00%
106	KAR/S/SHA	431.26	302.53	70.15%		0.00%			5.07	1.18%	123.63	28.67%		0.00%		0.00%		0.00%
107	KAR/S/SH	395.6	395.6	100.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%
108	KAR/S/SOM	88.97	76.47	85.95%		0.00%	35			0.00%		3.5	9	10.12%		0.00%		0.00%
109	KAR/S/TAL	105.0096	105.0096	100.00%		0.00%	76			0.00%		29		27.62%		0.00%		0.00%
110	KER/N/ERA	100	30	30.00%		0.00%	55			0.00%		70		70.00%		0.00%		0.00%
111	KER/S/CHIN	90.442	90.442	100.00%		0.00%	35			0.00%		10	70	11.06%		0.00%		0.00%
112	KER/S/WAY	344.44	344.44	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
113	MAH/N/AND	625.4	548	87.62%	19.00	3.04%	76			0.00%		43		6.88%		0.00%		0.00%
114	MAH/N/NAV	133.884	133.884	100.00%		0.00%				0.00%		6.69	53.55	5.00%		0.00%		0.00%
115	MAH/N/PEN	257.26	257.26	100.00%		0.00%	20			0.00%		2.5	200	0.97%		0.00%		0.00%
116	MAH/N/SAN	103.09	103.09	100.00%	35.01	33.96%	59			0.00%				0.00%		0.00%		0.00%
117	MAH/S/AMB	127.11	127.11	100.00%		0.00%	30			0.00%				0.00%		0.00%		0.00%
118	MAH/S/ANR	82.94	82.94	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
119	MAH/S/BHA	104.38	104.38	100.00%	1.00	0.96%	5			0.00%				0.00%		0.00%		0.00%
120	MAH/S/BOR	61.1	61.1	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
121	MAH/S/CHA	133.23	133.23	100.00%	2.00	1.50%	8.77			0.00%		7		5.25%		0.00%		0.00%
122	MAH/S/GAU	260	260	100.00%		0.00%				0.00%		32		12.31%		0.00%		0.00%
123	MAH/S/GYA	203.56	203.56	100.00%		0.00%	12			0.00%			203.56	100.00%		0.00%		0.00%
124	MAH/S/JAI	341.05		0.00%	339.80	99.63%	55			0.00%				0.00%		0.00%		0.00%
125	MAH/S/KAL	361.71	171.1986	47.33%		0.00%				0.00%				0.00%		0.00%		0.00%
126	MAH/S/KAR	4.27	4.27	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
127	MAH/S/KAT	57.32	38.76	67.62%		0.00%	14.5		0.01	0.02%				0.00%		0.00%		0.00%
128	MAH/S/MAL	29.122		0.00%		0.00%				0.00%	28.122	100.00%		0.00%		0.00%		0.00%
129	MAH/S/NAV	152.81	152.81	100.00%		0.00%				0.00%		7.44	61.12	5.00%		0.00%		0.00%
130	MAH/S/SH	29.9	20.9	69.90%		0.00%				0.00%		4		30.10%		0.00%		0.00%
131	MAH/S/SH	12.35	12.35	100.00%		0.00%							12.35	100.00%				

Table 1.1: Habitat Types in PAs

Note: All values for area in this table are in square kilometres

Snol PA code	Total Area	Forests	Forests %	Wetlands	Wetlands %	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Rangelands/ grasslands	Mountains	Mountains %	Deserts	Deserts %	Glaciers	Glaciers %
132 MAH/S/PAL	324.64	324.62	99.99%		0.00%				0.00%		5		1.54%		0.00%		0.00%
133 MAH/S/RAD	351.16	263.08	74.92%	51.42	14.64%				0.00%		Gairan (private) 9.22		2.63%		0.00%		0.00%
134 MAH/S/SAG	10.87	10.87	100.00%		0.00%				0.00%		5		45.99%		0.00%		0.00%
135 MAH/S/HP	140.29	140.29	100.00%		0.00%	8			0.00%		12.08	28.05	30.00%		0.00%		0.00%
136 MAH/S/WAN	205.86	205.86	100.00%		0.00%	24			0.00%			205.86	100.00%		0.00%		0.00%
137 MAH/S/YAW	177.52	177.52	100.00%	0.40	0.23%	11			0.00%				0.00%		0.00%		0.00%
138 MAH/S/YED	22.37	22.37	100.00%		0.00%				0.00%		5		22.35%		0.00%		0.00%
139 MAN/N/KEI	40	1.2	3.00%	24.60	61.50%	4		0.2	0.50%				0.00%		0.00%		0.00%
140 MEG/N/BAL	220	213	96.82%		0.00%				0.00%		7		3.18%		0.00%		0.00%
141 MEG/N/NOK	47.48	47.48	100.00%		0.00%	Not yet surveyed			0.00%			47.48	100.00%		0.00%		0.00%
142 MEG/S/BAG	0.027	0.027	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
143 MEG/S/NON	29	25	86.21%	1.00	3.45%	60			0.00%		3		10.34%		0.00%		0.00%
144 MEG/S/SID	5.18	5.18	100.00%	0.01	0.10%	4			0.00%		0.01		0.19%		0.00%		0.00%
145 MIZ/N/MUR	200	170	85.00%		0.00%	136			0.00%		30	200	15.00%		0.00%		0.00%
146 MIZ/N/PHA	50	48	96.00%		0.00%	2			0.00%		2	50	4.00%		0.00%		0.00%
147 MIZ/S/DAM	500	498.5	99.70%		0.00%	100			0.00%		1.5	300	0.30%		0.00%		0.00%
148 MIZ/S/KHA	41	41	100.00%	3.00	7.32%	35			0.03%			40	0.00%		0.00%		0.00%
149 MIZ/S/LEN	120	120	100.00%		0.00%				0.00%			120	100.00%		0.00%		0.00%
150 MIZ/S/NGE	110	110	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
151 MP/N/BAN	1161.471		0.00%	2.00	0.17%				0.00%				0.00%		0.00%		0.00%
152 MP/N/GHU	0.272		0.00%		0.00%				0.00%				0.00%		0.00%		0.00%
153 MP/N/PEN	292.857	238.347	81.39%	54.51	18.61%	24			0.00%				0.00%		0.00%		0.00%
154 MP/N/SAT	524.37	478.06	91.17%	44.48	8.48%	55			0.00%				0.00%		0.00%		0.00%
155 MP/N/VAN	4.45	4.45	100.00%	0.45	10.11%				0.00%		0.8	9.1	0.15%		1.74%		0.00%
156 MP/S/GAN	368.62	368.62	100.00%		0.00%	38.25			0.00%				0.00%		0.00%		0.00%
157 MP/S/KAR				304.91		38.4			0.00%		148		40.15%		0.00%		0.00%
158 MP/S/KHE	132.778	132.778	100.00%		0.00%				0.00%		25		18.83%		0.00%		0.00%
159 MP/S/KUN	344.686	344.686	100.00%		0.00%	32			0.00%				0.00%		0.00%		0.00%
160 MP/S/NAR	57.197	57.197	100.00%		0.00%	10.00			0.00%		25	28	43.71%		0.00%		0.00%
161 MP/S/NAT	460		0.00%	460.00	100.00%	460			0.00%			210	0.00%		0.00%		0.00%
162 MP/S/NOR	1186.961	1197.042	100.85%		0.00%	70			0.00%			50	0.00%		4.21%		0.00%
163 MP/S/PEN	118	118.473	100.40%		0.00%				0.00%				0.00%		0.00%		0.00%
164 MP/S/RAL	2.6198	2.6198	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%
165 MP/S/SAT	12.96		0.00%		0.00%				0.00%				0.00%		0.00%		0.00%
166 MP/S/SAN		304.61				68.4			0.00%		12.96		100.00%		0.00%		0.00%
167 MP/S/SAR	348.17	5.68	1.63%		0.00%				0.00%		0.05	0.2					0.00%
168 MP/S/THI	202.02	202.02	100.00%		0.00%				0.00%		19.09		5.24%		0.00%		0.00%
169 MP/S/VAL	6.41	6.41	100.00%		0.00%				0.00%				0.00%		0.00%		0.00%

Table 1.1: Habitat Types in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Forests	Forests %	Wetlands	Wetlands %	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Rangelands/ grasslands	Mountains	Mountains %	Deserts	Deserts %	Glaciers	Glaciers %
170	NAG/S/PUL	9.23	9.23	100.00%						0.00%				0.00%				0.00%
171	NAG/S/RAN	4.7	4.7	100.00%						0.00%				0.00%				0.00%
172	ORI/S/BAD	304.03	304.03	100.00%						0.00%		0.4	0.13%	0.6	0.20%			0.00%
173	ORI/S/BAL	168.35	135.053	80.22%						0.00%			0.00%	135.053	80.22%			0.00%
174	ORI/S/BAL	71.72	71.72	100.00%			3.1%	-10		0.00%			0.00%		0.00%			0.00%
175	ORI/S/CHA	193.39	183.59	94.93%	5.09	2.63%				0.00%			0.00%		0.00%			0.00%
176	ORI/S/CHI	15.53		0.00%	15.53	100.00%				0.00%			0.00%		0.00%			0.00%
177	ORI/S/DEB	346.9	346.9	100.00%			25			0.00%		100	28.83%	250	72.07%			0.00%
178	ORI/S/HAD	191.6	104.22	54.39%	31.83	16.61%	12			0.00%			0.00%	50	26.10%			0.00%
179	ORI/S/KHA	116	116	100.00%			5			0.00%			0.00%	116	100.00%			0.00%
180	ORI/S/KOT	399.5	269.51	67.46%						0.00%			0.00%		0.00%			0.00%
181	ORI/S/LAK	174.958	171.227	97.87%	0.20	0.11%	40		3.731	2.13%		0.3	0.17%	40	22.85%			0.00%
182	ORI/S/SUN	600	509	84.83%	10.87	1.81%				0.00%			0.00%	150	25.00%			0.00%
183	PUN/S/ABO	185		0.00%						0.00%			0.00%		0.00%			0.00%
184	PUN/S/AIS	2.6	2.6	100.00%						0.00%			0.00%		0.00%			0.00%
185	PUN/S/BHA	8.2	8.2	100.00%						0.00%			0.00%		0.00%			0.00%
186	PUN/S/BHU	6.6	6.6	100.00%						0.00%			0.00%		0.00%			0.00%
187	PUN/S/DOS	7.5	7.5	100.00%						0.00%			0.00%		0.00%			0.00%
188	PUN/S/GUR	6.1	6.1	100.00%						0.00%			0.00%		0.00%			0.00%
189	PUN/S/HAR	86	2	2.32%	28.00	32.55%				0.00%		50	58.13%		0.00%			0.00%
190	PUN/S/MAH	2.2	2.2	100.00%						0.00%			0.00%		0.00%			0.00%
191	PUN/S/MOT	5.24	5.24	100.00%						0.00%			0.00%		0.00%			0.00%
192	PUN/S/TAK	3.86	3.86	100.00%						0.00%			0.00%		0.00%			0.00%
193	RAJ/N/DES	3162		0.00%						0.00%		2000	63.25%		1162	36.75%		0.00%
194	RAJ/S/JAM	300	276.9665	92.32%	4.50	1.50%				0.00%		10	3.33%		0.00%			0.00%
195	RAJ/S/NAH	52.4	50.01	95.44%						0.00%			0.00%		0.00%			0.00%
196	RAJ/S/TAL	7.19		0.00%						0.00%		7.19	100.00%		7.19	100.00%		0.00%
197	SIK/N/KHA	1784		0.00%						0.00%		410	22.98%		0.00%			0.00%
198	SIK/S/BAR	104	104	100.00%						0.00%			0.00%	104	100.00%			0.00%
199	SIK/S/KYON	31	31	100.00%						0.00%			0.00%	31	100.00%			0.00%
200	SIK/S/SHIN	43	43	100.00%	2.00	4.65%	20			0.00%			0.00%	43	100.00%			0.00%
201	TN/N/GUL							Not determined	6.7337	0.00%			0.00%		0.00%			0.00%
202	TN/N/IND	958		0.00%	958.57	100.06%				0.00%		43.22	4.51%		0.00%			0.00%
203	TN/N/MUD	321	310.75	96.81%	5.00	1.56%	100			0.00%	5		0.00%		0.00%			0.00%
204	TN/N/MUK	78.46		0.00%		0.00%	25			0.00%		78.46	100.00%	0.5	0.64%			0.00%
205	TN/S/CHI	0.4763		0.00%	0.48	100.00%				0.00%			0.00%		0.00%			0.00%
206	TN/S/GRI		47.783							0.00%								0.00%
207	TN/S/KAN	1.0721		0.00%	1.04	97.20%				0.00%			0.00%		0.00%			0.00%
208	TN/S/KARA	4.53		0.00%	4.53	100.00%				0.00%			0.00%		0.00%			0.00%

Table 1.1: Habitat Types in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Forests	Forests %	Wetlands	Wetlands %	Perennial rivers (Length in Kms)	Coasts (Length in Kms)	Islands	Islands %	Oceans	Oceans %	Rangelands/ grasslands	Rangelands %	Mountains	Mountains %	Deserts	Deserts %	Glaciers	Glaciers %
204	TN/S/KAR				0.65															
210	TN/S/KOO	1.2		0.00%		0.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
211	TN/S/MEL	5.93		0.00%	5.93	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
212	TN/S/POIN	25	17.28	69.12%		0.00%		8.5		0.00%		0.00%	5.6	22.40%		0.00%		0.00%		0.00%
213	TN/S/PUL				15.00			0.5												
214	TN/S/UDA	0.44		0.00%	0.45	102.27%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
215	TN/S/VAD	1.63		0.00%	1.28	78.53%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
216	TN/S/VALL	16.4121		0.00%	16.41	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
217	TN/S/VED	0.27		0.00%	0.27	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
218	TN/S/VELL	0.77185		0.00%	0.77	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
219	TN/S/VET	0.37948		0.00%	0.38	100.00%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
220	TR/S/GUM	389.59	389.16	99.89%		0.00%	0.38			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
221	TR/S/TRI	194.704	104.708	53.78%		0.00%	100			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
222	UP/S/CHA	96	97	101.04%		0.00%	15.5			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
223	UTT/N/COR	520.824	447.024	85.83%		0.00%	18			0.00%		0.00%		0.00%	47.07	100.00%	310.4	31.83%	10.05	1.03%
224	UTT/S/BIN	47.07	47.07	100.00%		0.00%				0.00%		0.00%	28	5.38%		0.00%		0.00%		0.00%
225	UTT/S/KED	975.2	975.2	100.00%		0.00%				0.00%		0.00%	6.45	0.66%		0.00%		0.00%		0.00%
226	WB/N/GOR	79.45	79.44	99.99%		0.00%		20	1680	64.99%		0.00%		0.00%		0.00%		0.00%		0.00%
227	WB/N/SUN	2585	1680	64.99%	905.00	35.01%						0.00%		0.00%		0.00%		0.00%		0.00%
228	WB/S/BAL	2.021	1.821	90.10%	0.20	9.90%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
229	WB/S/BET	0.6686	0.6686	100.00%	0.02	2.99%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
230	WB/S/BIB	0.64	0.64	100.00%	0.02	3.13%	2			0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
231	WB/S/HAL	5.95	5.95	100.00%		0.00%			5.95	100.00%		0.00%		0.00%		0.00%		0.00%		0.00%
232	WB/S/LOT		38						38											
233	WB/S/RAI	1.3	1.3	100.00%	0.50	38.46%	4.5			0.00%		0.00%	0.4	30.77%		0.00%		0.00%		0.00%
234	WB/S/RAI	0.1431	0.1331	93.01%	0.01	6.99%				0.00%		0.00%		0.00%		0.00%		0.00%		0.00%
235	WB/S/SEN		38.8																	
TOTAL FOR ALL		67311.19	39445.07	58.60%	4473.06	6.65%			2101.89	3.12%	159.552	0.24%	5481.9625	8.14%	11817.2767	17.56%	5048.59	7.50%	714.5027	1.06%

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
1	A&N/N/SAD	Andamans tropical evergreen forest	
	A&N/N/SAD	Andamans moist deciduous forest	
	A&N/N/SAD	Andaman semi evergreen forest	
	A&N/N/SAD	Littoral forest	
2	A&N/S/CUT	Littoral forest	
	A&N/S/CUT	Andamans tropical evergreen forest	
3	AP/N/KAS	Southern dry mixed deciduous forest	
4	AP/N/MAH	Southern dry mixed deciduous forest	
5	AP/N/MRU	Southern dry mixed deciduous forest	
6	AP/N/VEN	Southern tropical dry deciduous forest	
	AP/N/VEN	Dry red sanders- bearing forest	
7	AP/S/COR	Mangrove forest	
8	AP/S/ETU	Dry teak-bearing forest	
	AP/S/ETU	Southern dry mixed deciduous forest	
9	AP/S/GUN	Southern tropical dry deciduous forest	
10	AP/S/KAW	Southern tropical dry deciduous forest	
	AP/S/KAW	Southern tropical dry deciduous forest	
11	AP/S/KOU	Southern dry mixed deciduous forest	
	AP/S/KOU	Southern thorn forest	
12	AP/S/KRI	Mangrove forest	
13	AP/S/NEL	Tropical dry evergreen forest	
	AP/S/NEL	Barringtonia swamp forest	
14	AP/S/PAK	Southern tropical dry deciduous forest	
	AP/S/PAK	Dry teak bearing forest	
	AP/S/PAK	Southern dry mixed deciduous forest	
	AP/S/PAK	Boswellia forest	
	AP/S/PAK	Saline alkaline scrub savannah	
15	AP/S/PAP	Southern dry mixed deciduous forest	
	AP/S/PAP	Southern moist mixed deciduous forest	
	AP/S/PAP	Dry savannah forest	
16	AP/S/POC	Southern tropical dry deciduous forest	
	AP/S/POC	Dry savannah forest	
17	AP/S/PRA	Dry teak forest	
18	AP/S/PUL	Tropical dry evergreen forest	
	AP/S/PUL	Tropical dry evergreen scrub	
19	AP/S/SIW	Dry teak forest	
20	ARU/N/MOU	Sub-Himalayan light alluvial semi-evergreen forest	
	ARU/N/MOU	<i>Syzygium</i> parkland	
	ARU/N/MOU	Secondary moist bamboo brakes	
	ARU/N/MOU	East Himalayan dry juniper/birch forest (<i>J. wallichiana</i>)	
	ARU/N/MOU	East Himalayan dry temperate coniferous forest	
21	ARU/N/NAM	Assam valley tropical wet evergreen forest (<i>Dipterocarpus</i>)	
	ARU/N/NAM	<i>Kayea</i> forest	
	ARU/N/NAM	<i>Mesua</i> forest	
	ARU/N/NAM	Assam valley semi evergreen forest	
	ARU/N/NAM	Sub-Himalayan light alluvial semi-evergreen forest	
	ARU/N/NAM	Secondary moist bamboo brakes	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
	ARU/N/NAM	Eastern hollock forest (<i>Terminalia myriocarpa</i>)	
	ARU/N/NAM	East Himalayan moist temperate forest	
	ARU/N/NAM	Birch/ <i>Rhododendron</i> scrub forest	
22	ARU/S/DER	Assam alluvial plains semi- evergreen forest	
	ARU/S/DER	Eastern wet alluvial grassland	
23	ARU/S/KAM	Tropical wet evergreen forest	
24	ARU/S/MEH	Tropical wet evergreen forest	
	ARU/S/MEH	Tropical semi-evergreen forest	
25	ARU/S/YOR	Assam alluvial plains semi-evergreen forest	
	ARU/S/YOR	Sub Himalayan light alluvial semi-evergreen forest	
	ARU/S/YOR	Secondary moist bamboo brakes	
26	ASS/N/KAZ	Eastern seasonal swamp forest, ,	
	ASS/N/KAZ	<i>Barringtonia</i> swamp forest	
	ASS/N/KAZ	<i>Syzygium cumini</i> swamp low forest	
	ASS/N/KAZ	Eastern seasonal swamp low forest (<i>Cephalanthus</i>)	
	ASS/N/KAZ	Eastern Dillenia swamp forest	
	ASS/N/KAZ	Eastern wet alluvial grassland	
27	ASS/N/MAN	Low alluvial savannah woodland	
	ASS/N/MAN	Assam valley semi-evergreen forest	
	ASS/N/MAN	Sub-Himalayan high alluvial semi-evergreen forest	
28	ASS/S/GIB	Tropical semi evergreen forest	
29	ASS/S/LAO	Eastern wet alluvial grassland	
	ASS/S/LAO	Low alluvial savannah woodland	
	ASS/S/LAO	East-Himalayan moist mixed deciduous forest	
	ASS/S/LAO	Tropical semi-evergreen forest	
30	ASS/S/POB	Eastern wet alluvial grassland	
	ASS/S/POB	Eastern swamp forest	
	ASS/S/POB	Low alluvial savannah woodland seasonal	
31	ASS/S/SON	Tropical wet evergreen forest	
	ASS/S/SON	Assam alluvial plains semi-evergreen forest	
	ASS/S/SON	Moist bamboo brakes	
	ASS/S/SON	Cane brakes	
32	BIH/S/RAJ	Tropical dry deciduous forest	
33	CHT/N/KAN	Moist peninsular sal forest	
	CHT/N/KAN	Southern moist mixed deciduous forest	
	CHT/N/KAN	Slightly moist teak forest	
34	CHT/S/ACH	Tropical moist deciduous forest	
35	CHT/S/BAD	Dry peninsular sal forest	
	CHT/S/BAD	Northern dry mixed deciduous forest	
36	CHT/S/BAG	Northern dry mixed deciduous forest	
37	CHT/S/BHA	Southern dry mixed deciduous forest	
38	CHT/S/IND	Southern moist mixed deciduous forest	
	CHT/S/IND	Southern dry mixed deciduous forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
39	CHT/S/PAM	Southern moist mixed deciduous forest	
	CHT/S/PAM	Southern dry mixed deciduous forest	
40	CHT/S/TAM	Dry peninsular sal forest	
	CHT/S/TAM	Northern dry mixed deciduous forest	
41	CHT/S/UDA	Mixed forest	
	CHT/S/UDA	Dry teak forest	
	CHT/S/UDA	Dry peninsular sal forest	
	CHT/S/UDA	Moist peninsular sal forest	
	CHT/S/UDA	Northern dry mixed deciduous forest	
42	DEL/S/ASO	Northern tropical thorn forest	
43	GOA/S/CHO	Mangrove forest	
44	GUJ/N/BAN	Tropical moist deciduous forest	
45	GUJ/S/PUR	South Indian moist deciduous forest	
46	GUJ/S/WIL	Mangrove scrub	
	GUJ/S/WIL	Dry deciduous scrub	
	GUJ/S/WIL	Dry savannah forest	
47	HP/S/DAR	Moist deodar forest (<i>Cedrus</i>)	
	HP/S/DAR	Western mixed coniferous forest	
	HP/S/DAR	Moist temperate deciduous forest	
	HP/S/DAR	<i>Kharsu</i> oak forest (<i>Quercus semecarpifolia</i>)	
	HP/S/DAR	West Himalayan sub alpine birch/fir forest	
48	HP/S/DHA	Lower Western Himalayan temperate forest	
	HP/S/DHA	Himalayan temperate parkland	
	HP/S/DHA	Upper West Himalayan temperate forest,	
	HP/S/DHA	Birch/ <i>Rhododendron</i> scrub forest	
	HP/S/DHA	Himalayan temperate pastures, sub-alpine pastures, alpine pastures	
49	HP/S/GAM	Moist deodar forest (<i>Cedrus</i>)	
	HP/S/GAM	<i>Kharsu</i> Oak forest (<i>Quercus semecarpifolia</i>)	
	HP/S/GAM	Alpine pastures	
	HP/S/KAL	Lower Western Himalayan temperate forest	
50	HP/S/KAL	Lower Western Himalayan temperate forest	
51	HP/S/KUG	Moist deodar forest (<i>Cedrus</i>)	
	HP/S/KUG	Western mixed coniferous forest	
	HP/S/KUG	Deciduous alpine scrub	
	HP/S/KUG	Alpine pastures	
52	HP/S/LIP	Dry deodar forest (<i>Cedrus</i>)	
	HP/S/LIP	Dry alpine scrub	
	HP/S/LIP	Dwarf Juniper scrub	
	HP/S/LIP	Alpine pastures	
53	HP/S/RUP	Lower or Siwalik chir pine forest	
	HP/S/RUP	<i>Ban</i> oak forest (<i>Quercus incana</i>)	
	HP/S/RUP	Western mixed coniferous forest	
	HP/S/RUP	Moist temperate deciduous forest	
	HP/S/RUP	Low-level blue pine forest (<i>Pinus wallichiana</i>)	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
	HP/S/RUP	Kharsu oak forest(<i>Quercus semecarpifolia</i>)	
	HP/S/RUP	Alder forest	
	HP/S/RUP	West Himalayan sub-alpine birch/fir forests(<i>Betula/Abies</i>)	
	HP/S/RUP	Alpine pastures	
	HP/S/RUP	Dry alpine scrub	
54	HP/S/SAN	Ban oak forest (<i>Quercus incana</i>)	
	HP/S/SAN	Moist deodar forest(<i>Cedrus</i>)	
	HP/S/SAN	Western mixed coniferous forest	
	HP/S/SAN	Moist temperate deciduous forest	
	HP/S/SAN	Low level blue pine forest (<i>Pinus wallichiana</i>)	
	HP/S/SAN	Kharsu oak forest (<i>Quercus semecarpifolia</i>)	
	HP/S/SAN	Dry broadleaved and coniferous forest (<i>Quercus ilex-Pinus gerardiana</i>)	
	HP/S/SAN	Neoza pine forest (<i>Pinus gerardiana</i>)	
	HP/S/SAN	Dry deodar forest (<i>Cedrus</i>)	
	HP/S/SAN	Alpine pastures	
	HP/S/SAN	Dry alpine scrub	
55	HP/S/SHI	Moist deodar forest (<i>Cedrus</i>)	
	HP/S/SHI	Ban oak forest (<i>Quercus incana</i>)	
	HP/S/SHI	Kharsu oak forest (<i>Quercus semecarpifolia</i>)	
	HP/S/SHI	Western mixed coniferous forest	
	HP/S/SHI	Upper or Himalayan chir pine forest	
56	HP/S/TUN	Western mixed coniferous forest	
	HP/S/TUN	Low level blue pine forest (<i>Pinus wallichiana</i>)	
	HP/S/TUN	Sub alpine pastures	
	HP/S/TUN	Deciduous alpine scrub	
	HP/S/TUN	Alpine pastures	
57	J&K/N/KIS	Moist temperate deciduous forest	
58	JHA/S/HAZ	Northern dry mixed deciduous forest	
	JHA/S/HAZ	Dry peninsular sal forest	
	JHA/S/HAZ	Dry bamboo brake	
59	JHA/S/PAR	Dry sal-bearing forest	
	JHA/S/PAR	Northern dry mixed deciduous forest	
	JHA/S/PAR	Dry deciduous scrub	
	JHA/S/PAR	Northern dry mixed deciduous forest	
	JHA/S/PAR	Central Indian subtropical hill forest	
60	KAR/N/ANS	Tropical moist deciduous forest	
	KAR/N/ANS	Tropical semi-evergreen forest	
	KAR/N/ANS	Tropical wet evergreen forest	
	KAR/N/ANS	West coast tropical evergreen forest,	
	KAR/N/ANS	West coast semi-evergreen forest	
61	KAR/N/BAN	Southern moist mixed deciduous forest	
	KAR/N/BAN	Tropical dry deciduous forest	
	KAR/N/BAN	Dry deciduous scrub	
62	KAR/N/KUD	West coast tropical evergreen forest	
	KAR/N/KUD	West coast semi-evergreen forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
	KAR/N/KUD	Dry savannah forest	
63	KAR/N/NAG	Tropical moist deciduous forest	
	KAR/N/NAG	Dry deciduous scrub	
	KAR/N/NAG	Tropical dry deciduous forest	
	KAR/N/NAG	Tropical semi-evergreen forest	
	KAR/N/NAG	Tropical moist deciduous forest	
64	KAR/S/ADI	Dry deciduous scrub	
65	KAR/S/ARA	Southern dry mixed deciduous forest	
66	KAR/S/BHA	Tropical moist deciduous forest	
	KAR/S/BHA	Tropical dry deciduous forest	
	KAR/S/BHA	Southern montane wet temperate forest	
67	KAR/S/BRA	Tropical wet evergreen forest	
	KAR/S/BRA	Tropical moist deciduous forest	
	KAR/S/BRA	Tropical dry deciduous forest	
	KAR/S/BRA	Tropical semi-evergreen forest	
68	KAR/S/DAN	South Indian moist deciduous forest	
	KAR/S/DAN	West coast semi-evergreen forest	
69	KAR/S/DOR	Dry deciduous scrub	
70	KAR/S/GUD	Tropical moist deciduous forest	
71	KAR/S/KAV	Southern tropical dry deciduous forest	
72	KAR/S/MOO	West coast tropical evergreen forest	
	KAR/S/MOO	West coast semi-evergreen forest	
	KAR/S/MOO	Southern secondary moist mixed deciduous forest	
73	KAR/S/NUG	Southern dry mixed deciduous forest	
74	KAR/S/PUS	Tropical semi-evergreen forest	
	KAR/S/PUS	Southern montane wet temperate forest	
	KAR/S/PUS	Tropical wet evergreen forest	
	KAR/S/PUS	Tropical moist deciduous forest	
75	KAR/S/RANG	Dry deciduous scrub	
76	KAR/S/SHA	Tropical wet evergreen forest	
	KAR/S/SHA	Tropical moist deciduous forest	
77	KAR/S/SHE	Southern tropical dry deciduous forest	
	KAR/S/SHE	Tropical moist deciduous forest	
	KAR/S/SHE	Tropical semi-evergreen forest	
78	KAR/S/SOM	West coast tropical evergreen forest	
	KAR/S/SOM	West coast semi-evergreen forest	
	KAR/S/SOM	Southern secondary moist mixed deciduous forest	
79	KAR/S/TAL	Tropical wet evergreen forest	
	KAR/S/TAL	Tropical moist deciduous forest	
	KAR/S/TAL	Tropical semi-evergreen forest	
	KAR/S/TAL	Southern montane wet temperate forest	
80	KER/N/ERA	Southern montane wet temperate forest	
	KER/N/ERA	Southern montane wet grasslands	
81	KER/S/CHIN	Southern thorn scrub	
	KER/S/CHIN	Tropical moist deciduous forest	
	KER/S/CHIN	Tropical dry deciduous forest	
	KER/S/CHIN	Southern montane wet temperate forest	
82	KER/S/WAY	South Indian moist deciduous forest	
	KER/S/WAY	West coast semi-evergreen forest	
83	MAH/N/NAV	Southern dry mixed deciduous forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
84	MAH/N/PEN	Dry teak forest	
	MAH/N/PEN	Southern dry mixed deciduous forest	
85	MAH/N/SAN	Moist teak- bearing forest	
	MAH/N/SAN	Southern moist mixed deciduous forest	
	MAH/N/SAN	Mangrove scrub	
	MAH/N/SAN	Western subtropical hill forest	
86	MAH/S/AMB	Southern tropical dry deciduous forest	
87	MAH/S/BHA	Tropical moist deciduous forest	
	MAH/S/BHA	Southern moist mixed deciduous forest	
88	MAH/S/CHA	Southern tropical dry deciduous forest	
89	MAH/S/GAU	Southern dry deciduous forest	
	MAH/S/GAU	Southern thorn forest	
90	MAH/S/GYA	Southern tropical dry deciduous forest	
91	MAH/S/KAL	Southern tropical dry deciduous forest	
92	MAH/S/KAR	Southern moist mixed deciduous forest	
93	MAH/S/KAT	Southern tropical dry deciduous forest	
94	MAH/S/NAG	Southern dry mixed deciduous forest	
95	MAH/S/NAI	Southern dry mixed deciduous forest	
96	MAH/S/NAR	Southern tropical dry deciduous forest,	
97	MAH/S/PAI	Southern tropical dry deciduous forest,	
98	MAH/S/RAD	Western sub-tropical hill forest	
	MAH/S/RAD	West coast semi-evergreen forest	
	MAH/S/RAD	Southern moist mixed deciduous forests	
99	MAH/S/SAG	Southern tropical thorn forest	
100	MAH/S/TIP	Southern tropical dry deciduous forest	
101	MAH/S/WAN	Dry teak- bearing forest	
102	MAH/S/YAW	Dry teak forest	
103	MAH/S/YED	Southern tropical thorn forest	
104	MAN/N/KEI	Assam sub-tropical pine forest	
105	MEG/N/BAL	Tropical wet evergreen forest	
	MEG/N/BAL	Tropical semi- evergreen forest	
	MEG/N/BAL	Tropical moist deciduous forest	
		Eastern sub montane semi-evergreen forest	
106	MEG/N/NOK	forest	
	MEG/N/NOK	Tropical wet evergreen forest	
	MEG/N/NOK	Tropical semi-evergreen forest	
	MEG/N/NOK	Tropical moist deciduous forest	
	MEG/N/NOK	Subtropical broadleaved hill forest	
107	MEG/S/BAG	Tropical moist deciduous forest	
108	MEG/S/NON	Tropical wet evergreen forest	
	MEG/S/NON	Moist mixed deciduous forest (without sal)	
	MEG/S/NON	Khasi hill sal	
109	MEG/S/SIJ	Tropical wet evergreen forest	
	MEG/S/SIJ	Tropical semi-evergreen forest	
110	MIZ/N/MUR	Cachar semi-evergreen forest	
	MIZ/N/MUR	Montane sub-tropical forest	
111	MIZ/N/PHA	Assam valley tropical wet evergreen forest	
112	MIZ/S/DAM	Assam valley tropical wet evergreen forest	
113	MIZ/S/KHA	Cachar semi-evergreen forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
114	MIZ/S/LEN	Montane sub-tropical forests	
115	MIZ/S/NGE	Tropical semi-evergreen forest	
116	MP/N/BAN	Moist Siwalik sal forest	
	MP/N/BAN	West Gangetic moist mixed deciduous forest	
117	MP/N/PEN	Slightly moist teak forest	
	MP/N/PEN	Dry teak forest	
	MP/N/PEN	Southern dry mixed deciduous forest	
118	MP/N/SAT	Moist teak forest	
	MP/N/SAT	Slightly moist teak forest	
	MP/N/SAT	Southern moist mixed deciduous forest	
	MP/N/SAT	Dry plains sal forest	
	MP/N/SAT	Dry sal-bearing forest	
	MP/N/SAT	Southern dry mixed deciduous forest	
	MP/N/SAT	Central Indian subtropical hill forest	
119	MP/N/VAN	Tidal swamp forests	
120	MP/S/GAN	Northern tropical dry deciduous forest	
	MP/S/GAN	Northern dry mixed deciduous forest	
	MP/S/GAN	<i>Boswellia</i> forest	
	MP/S/GAN	<i>Anogeissus pendula</i> forest	
	MP/S/GAN	Dry deciduous scrub	
	MP/S/GAN	<i>Khair-sissu</i> forest	
121	MP/S/KHE	Tropical dry deciduous forest	
122	MP/S/KUN	Northern tropical dry deciduous forest	
123	MP/S/NAR	Dry deciduous scrub	
124	MP/S/NOR	South Indian moist deciduous forest	
	MP/S/NOR	Southern tropical dry deciduous forest	
	MP/S/NOR	Dry deciduous scrub	
125	MP/S/PEN	Slightly moist teak forest	
	MP/S/PEN	Southern dry mixed deciduous forest	
126	MP/S/SAI	Dry grassland	
127	MP/S/SAN	Moist peninsular sal forest	
128	MP/S/SAR	Dry deciduous scrub	
129	NAG/N/INT	Northern tropical semi-evergreen forest	
	NAG/N/INT	Cane brakes + wet bamboo brakes	
130	NAG/S/FAK	Northern montane wet temperate forest	
		Northern sub-tropical broad-leaved wet hill forest	
131	NAG/S/PUL		
132	NAG/S/RAN	Northern tropical semi-evergreen forest	
133	ORI/S/BAD	Moist peninsular low level sal	
	ORI/S/BAD	Moist peninsular valley sal	
	ORI/S/BAD	Northern secondary moist mixed deciduous forest	
	ORI/S/BAD	Northern dry mixed deciduous forest	
	ORI/S/BAD	Dry bamboo brake	
134	ORI/S/BAI	Moist peninsular sal forest	
	ORI/S/BAI	Northern dry mixed deciduous forest	
	ORI/S/BAI	Moist mixed deciduous forest (without sal)	
	ORI/S/BAI	Moist bamboo brakes	
	ORI/S/BAI	Moist peninsular sal forest	
135	ORI/S/CHA	Orissa semi-evergreen forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
	ORI/S/CHA	Peninsular (coastal) sal forest	
136	ORI/S/DEB	Northern tropical dry deciduous forest	
	ORI/S/DEB	Northern dry mixed deciduous forest	
	ORI/S/DEB	Dry peninsular sal forest	
137	ORI/S/HAD	Dry peninsular sal forest	
	ORI/S/HAD	Northern dry mixed deciduous forest	
138	ORI/S/KHA	Moist peninsular sal forest	
	ORI/S/KHA	Dry peninsular sal forest	
	ORI/S/KHA	Dry bamboo brakes	
139	ORI/S/KOT	Tropical dry deciduous forest	
140	ORI/S/LAK	Moist sal-bearing forest	
	ORI/S/LAK	Moist mixed deciduous forest (without sal)	
141	ORI/S/SUN	Northern tropical dry deciduous forest	
	ORI/S/SUN	Southern tropical dry deciduous forest	
142	PUN/S/BHA	Northern dry mixed deciduous forest	
143	PUN/S/BHU	Northern dry mixed deciduous forest	
144	PUN/S/DOS	Northern dry mixed deciduous forest	
145	PUN/S/GUR	Northern dry mixed deciduous forest	
146	PUN/S/MAH	Northern dry mixed deciduous forest	
147	PUN/S/MOT	Northern dry mixed deciduous forest	
148	RAJ/N/DES	Desert thorn forest	
149	RAJ/S/JAM	Northern tropical dry deciduous forest	
	RAJ/S/JAM	Northern dry mixed deciduous forest	
150	RAJ/S/NAH	Northern tropical dry deciduous forest	
	RAJ/S/NAH	Northern dry mixed deciduous forest	
	RAJ/S/NAH	<i>Anogeissus pendula</i> forest	
151	RAJ/S/TAL	Desert thorn forest	
152	SIK/N/KHA	Himalayan moist temperate forest	
	SIK/N/KHA	East Himalayan dry juniper/birch forest (<i>J. wallichiana</i>)	
	SIK/N/KHA	East Himalayan sub-alpine birch/fir forest	
153	SIK/S/BAR	East Himalayan mixed coniferous forest	
	SIK/S/BAR	Sub alpine forest	
	SIK/S/BAR	Dry alpine scrub	
154	SIK/S/KYON	East Himalayan sub-alpine birch/fir forest	
	SIK/S/KYON	Sub alpine pastures	
	SIK/S/KYON	East Himalayan Dry Juniper/birch forest (<i>J. wallichiana</i>)	
	SIK/S/KYON	Birch / <i>Rhododendron</i> scrub forest	
	SIK/S/KYON	Deciduous alpine scrub	
	SIK/S/KYON	Montane bamboo brakes	
155	SIK/S/SHIN	East Himalayan sub-alpine birch/fir forest	
	SIK/S/SHIN	Sub-alpine pastures	
	SIK/S/SHIN	Birch / <i>Rhododendron</i> scrub forest	
	SIK/S/SHIN	Deciduous alpine scrub	
156	TN/N/MUD	Southern thorn forest	
	TN/N/MUD	Tropical dry deciduous forest	
	TN/N/MUD	Southern moist mixed deciduous forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
	TN/N/MUD	West coast semi- evergreen forest	
	TN/N/MUD	Moist bamboo brakes	
157	TN/N/MUK	Montane wet temperate forest	
	TN/N/MUK	Southern montane wet temperate forest	
158	TN/S/GRI	West coast tropical evergreen forest	
	TN/S/GRI	West coast semi-evergreen forest	
	TN/S/GRI	Dry teak forest	
	TN/S/GRI	Southern dry mixed deciduous forest	
	TN/S/GRI	Dry grassland	
159	TN/S/VALL	Southern thorn scrub	
160	TRI/S/GUM	Upper Assam valley tropical evergreen forest	
	TRI/S/GUM	Moist mixed deciduous forest (without sal)	
	TRI/S/GUM	Low alluvial savannah woodland	
	TRI/S/GUM	Dry bamboo brakes	
161	TRI/S/TRI	Tropical semi-evergreen forest	
	TRI/S/TRI	East Himalyan lower Bhabar sal	
	TRI/S/TRI	Moist mixed deciduous forest (without sal)	
	TRI/S/TRI	Low alluvial savannah woodland	
162	UP/S/CHA	Riparian fringing forest	
	UP/S/CHA	Southern dry mixed deciduous forest	
	UP/S/CHA	Dry Siwalik sal forest	
	UP/S/CHA	Dry plains sal forest	
	UP/S/CHA	Dry peninsular sal forest	
	UP/S/CHA	Northern dry mixed deciduous forest	
163	UTT/N/COR	Moist siwalik sal forest	
	UTT/N/COR	Bhabar-dun sal	
	UTT/N/COR	West Gangetic moist mixed deciduous forest	
	UTT/N/COR	Low alluvial savannah woodland(<i>Salimalia albizzia</i>)	
	UTT/N/COR	North Indian moist deciduous forest	
	UTT/N/COR	Northern tropical dry deciduous forests	
	UTT/N/COR	Northern dry mixed deciduous forest	
	UTT/N/COR	Dry tropical riverain forest	
	UTT/N/COR	Subtropical pine forest	
164	UTT/S/BIN	Upper or Himalayan chir pine forest	
	UTT/S/BIN	Ban oak forest (<i>Quercus incana</i>)	
	UTT/S/BIN	Moru oak forest (<i>Quercus dilatata</i>)	
165	UTT/S/KED	Himalayan subtropical scrub	
	UTT/S/KED	Ban oak forest (<i>Quercus incana</i>)	
	UTT/S/KED	Moru oak forest (<i>Quercus dilatata</i>)	
	UTT/S/KED	Himalayan temperate secondary scrub	
	UTT/S/KED	Lower Western Himalayan temperate forest	
	UTT/S/KED	Kharsu oak forest (<i>Quercus semicarpifolia</i>)	
	UTT/S/KED	West Himalayan upper oak/fir forest	
	UTT/S/KED	Himalayan temperate pastures	
	UTT/S/KED	Alder forest	

Table 1.2: Forest Types

Sno	PA code	Forest type	Code
	UTT/S/KED	West Himalayan sub-alpine birch/fir forest	
	UTT/S/KED	Sub-alpine pastures	
	UTT/S/KED	Birch/ <i>Rhododendron</i> scrub dwarf	
	UTT/S/KED	Deciduous alpine scrub	
	UTT/S/KED	Dwarf <i>Rhododendron</i> scrub	
	UTT/S/KED	Dwarf juniper scrub	
	UTT/S/KED	Alpine pastures	
166	WB/N/GOR	<i>Khair-sirrao'</i> forest	
	WB/N/GOR	Eastern bhabar sal forest	
	WB/N/GOR	Eastern tarai sal forest	
	WB/N/GOR	Sub-Himalayan secondary wet mixed forest	
	WB/N/GOR	Dry savannah forest	
167	WB/S/BAL	Northern tropical dry deciduous forest	
168	WB/S/BET	Tropical moist deciduous forest	
168	WB/S/BIB	Tropical moist deciduous forest	
	WB/S/RAI	Northern secondary moist mixed deciduous forest	
171	WB/S/RAM	Tropical dry deciduous forest	
172	WB/S/SEN	East Himalayan wet temperate forest	
173	WB/N/SUN	Mangrove forest	
	WB/N/SUN	Brackish water mixed forest(<i>Heritiera</i>)	

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
1	A&N/N/SAD	32.54	Kalara	32.54				
2	A&N/S/CUT	5.82	Tungapur					
3	A&N/S/INT		Tugapur (Includes many PAs)	133				
4	AP/N/KAS	1.43	Kasu Brahmanada Reddy National Park	1.43	1.43			
5	AP/N/MAH	14.59	Mahaveer Harina Vanasthali National Park	14.59	5.84	8.75		
6	AP/N/MRU	2.80	Chilkur	2.80	2.80			
7	AP/N/VEN	2525.97	Tirupati	150	105.00	45.00		
	AP/N/VEN		Chamala	134.31	100.73	33.58		
	AP/N/VEN		Balapalli	241.66	70	30		
8	AP/S/COR	235.70	Kakinada	235.7		216.84	9.43	9.43
9	AP/S/ETU	803.00	Eturnagaram	380.35	190.18	114.11	73.03	3.04
	AP/S/ETU		Tadvai	425.80	212.90	85.16	126.93	0.81
10	AP/S/GUN	1194.00	Velgode	23.78	5.95	3.57	10.70	3.57
	AP/S/GUN		Bairluty	26.81	6.70	10.72	6.70	2.68
	AP/S/GUN		GBM	21.1	8.44	4.22	5.28	3.17
	AP/S/GUN		Nandyal	14.95	2.99	4.49	5.98	1.50
	AP/S/GUN		Chelama	27.48	6.87	9.62	8.24	2.75
	AP/S/GUN		Turimela	45.3	13.59	13.59	13.59	4.53
	AP/S/GUN		Gundalakamma	41.96	10.49	14.69	12.59	4.20
	AP/S/GUN		Dornal	43.97	8.79	17.59	13.19	4.40
11	AP/S/KAW	893.00	Tannaram	141.27	63.57	35.32	35.32	7.06
	AP/S/KAW		Tndanpally	167.74	75.48	41.94	41.94	8.39
	AP/S/KAW		Tadlapet	0.9519	0.43	0.24	0.24	0.05
	AP/S/KAW		Birsaipet	0.20293	0.09	0.05	0.05	0.01
	AP/S/KAW		Kaddam	152.7	68.72	38.18	38.18	7.64
	AP/S/KAW		Pembi	75.2	48.88	11.28	11.28	3.76
12	AP/S/KOL	308.00	Eluru	308			308.00	
13	AP/S/KOU	357.63	Palamaner	148.11	109.60	16.87	12.01	9.63
	AP/S/KOU		Kuppam	209.52	11.48	155.04	19.95	23.05

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
14	AP/S/KRI	194.21	Nagayalanka	194.21	9.71	19.42	19.42	0.19
15	AP/S/MAN	20.00	Manjira	20		20.00		
16	AP/S/NEL	4.58	Nelapattu Bird Sanctuary	4.62	3.23	1.39		
17	AP/S/PAK	860.00	Kothaguda - I (Core I)	153.12	76.56	30.62	45.94	
	AP/S/PAK		Kothaguda - II (Core - II)	62.16	31.08	6.22	24.86	
	AP/S/PAK		Kothaguda (Tessi)	89.31	26.79	17.86	40.19	4.47
	AP/S/PAK		Nassampet (Tessi)	265.549	92.94	39.82	119.47	13.27
	AP/S/PAK		Gndur (Tessi)	210.616	105.31	52.65	42.12	10.53
	AP/S/PAK		M'bad (Tessi)	21.24	10.62	4.89	4.25	1.49
	AP/S/PAK		Pasra (Tessi)	18.39	14.71	1.84	0.92	0.92
18	AP/S/PAP	590.68	V.R. Puram	98.56		98.56		
	AP/S/PAP		Rampachodavaram	198.26		198.26		
	AP/S/PAP		Polavaram	148.36		148.36		
	AP/S/PAP		Kookinoor	129.87		129.87		
19	AP/S/POC	130.00	Pocharam	130	18.20	88.40	23.40	
20	AP/S/PRA	136.00	Chennur		34.00	17.00	17.00	3.40
	AP/S/PRA		Nilwai		34.00	17.00	17.00	3.40
21	AP/S/PUL	461.00	Pulicat Bird Sanctuary	461		447.17		13.83
22	AP/S/SIW	30.00	Chinnur		6.75	3.75	3.75	0.75
	AP/S/SIW		Manthani		6.75	3.75	3.75	0.75
23	ARU/N/MOU	483.00	Jengging Wildlife Range	240	240.00			
	ARU/N/MOU		Ramsingh Wildlife Range	243	243.00			
24	ARU/N/NAM	1985.25	Miao Wildlife Range	548.28	542.80	4.93		0.55
	ARU/N/NAM		Namdapha Wildlife Range	1004	903.60		100.40	
	ARU/N/NAM		Gandhigram Wildlife Range	345			345.00	
25	ARU/S/DER	190.00	Anchalghat	68		68.00		
	ARU/S/DER		Sibiamukh	62		62.00		
	ARU/S/DER		Borguli	60		60.00		
26	ARU/S/KAM	783.00	Wakro WL Range	783				
27	ARU/S/MEH	281.50	Mehao Wildlife Range Deopani	281.5	277.51	3.94		0.05
28	ASS/N/DIB	340.00	Guijan	185	37.00	138.75	9.25	

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
	ASS/N/DIB		Saikhowa	155	54.25	100.75		
29	ASS/N/KAZ	407.90	Western Range	126	46.00	80.00		
	ASS/N/KAZ		Central range	204	84.00	120.00		
	ASS/N/KAZ		Eastern Range	81	41.00	40.00		
30	ASS/N/MAN	519.77	Bhuiyanpara	150			150.00	
	ASS/N/MAN		Panbari	150			150.00	
	ASS/N/MAN		Bansbari	219.77		109.89	109.89	
31	ASS/N/ORA	78.80	Orang National Park	78.81	63.05	15.76		9.83
32	ASS/S/BAR	26.21	Barnadi wildlife range, rajagarh	26.21		18.35	7.86	
33	ASS/S/GIB	19.16	Northern Range	3.83				
	ASS/S/GIB		Southern Range	3.83				
	ASS/S/GIB		Central Range	3.84				
	ASS/S/GIB		Eassstern Range	3.83				
	ASS/S/GIB		Western Range	3.83				
34	ASS/S/LAO	70.10	Laokhowa Wildlife Sanctuary	70.1		14.02	56.08	
35	ASS/S/POB	16.00	Hadwk block	2.14	2.14			
	ASS/S/POB		Tamulidova Block	2.30	1.61	0.69		
	ASS/S/POB		Pagladova Block	5.4	2.16	0.54	2.70	
	ASS/S/POB		Noltoli Block	3.3		1.32	1.98	
	ASS/S/POB		Jug Dol	1	0.90	0.10		
	ASS/S/POB		Solmari Block	1.7	1.70			
36	ASS/S/SON	220.00	Central Range	135	129.74	2.03	0.54	2.70
	ASS/S/SON		Dhekiajuli Range	8.5	8.16	0.29	0.04	0.01
37	BIH/S/RAJ	35.84	Rajgir	35.84			9.98	25.86
38	CHD/S/SUK	26.11	Kansal Range	9.96				9.96
	CHD/S/SUK		Nepili Range	16.02				16.02
45	CHT/N/IND	2799.09	Game Range Sendra	305.00	152.50	122.00	30.50	
	CHT/N/IND		Game Range	265.000	159.00	79.50	26.50	
	CHT/N/IND		Game Range Bijapur	688.372	309.77	344.19	34.42	
39	CHT/N/KAN	200.00	Kotamsar	105.0	40.95	39.90	15.23	8.93
	CHT/N/KAN		Koleng	95.0	59.85	24.70	10.45	

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
40	CHT/S/ACH	551.55	Achankmar Range	169.133	101.48	33.83	33.83	
	CHT/S/ACH		Lame Range	203.769	163.02	20.38	20.38	
	CHT/S/ACH		Lamani	178.65	160.79	8.93	8.93	
41	CHT/S/BAD	104.45	Game Range Sanctuary Bagicha	104.45	20.89	26.11	27.16	30.29
42	CHT/S/BAG	478.00	Bagdara	231.047		92.42	138.63	
43	CHT/S/BAR	244.66	Barnawapara Sanctuary	244.66	45.08	69.75	65.02	64.81
44	CHT/S/BHA	138.95	Bhairamgarh	138.95		138.95		
45	CHT/S/PAM	4402.23	Pamed	442.23	49.99	166.81	225.43	
46	CHT/S/SIT	558.55	Resgaon Range	296.98	215.01	74.25		7.72
	CHT/S/SIT		Sitanadi Range	261.56	187.02	65.39		9.15
47	CHT/S/TAM	608.53	Tamor Pingla Game	593.843		593.84		
48	CHT/S/UDA	237.00	Udanti	237	131.20	23.70	71.10	11.00
49	DEL/S/ASO	27.81	Asola	27.81	8.34	8.34	5.56	5.56
50	GOA/S/CHO	1.80	Campal, Panaji	1.8	1.62		0.18	
51	GUJ/N/BAN	23.99	Bansda	23.999	24.00			
52	GUJ/S/PUR	160.80	Singana	46.33				
	GUJ/S/PUR		Bardipada	64.11				
	GUJ/S/PUR		Bhesratri	46.97				
	GUJ/S/PUR		Kalibel	22.83				
	GUJ/S/PUR		Ahwa (W)	9.82				
53	GUJ/S/WIL	4953.00	Morbi (T) range of Jamnagar (Territorial) division	96.84			96.84	
	GUJ/S/WIL		Bhachau & Adesar range of Kutch	35.50			35.50	
	GUJ/S/WIL		Halwad, Dhrangadhra and Patadi	150.65	75.33		75.33	
	GUJ/S/WIL		Sami, Santalpur & Radhanpur ran	248.63	99.45		149.18	
54	HAR/N/SUL	1.42	Sultanpur National Park	1.42				
55	HAR/S/ABU		Dabwali Range					
56	HAR/S/BHIN	4.07	Jhajar range	4.068	4.07			
57	HAR/S/BIRB	8.00	Forest Range(T) Jind	8		8.00		
58	HAR/S/BIRS	7.67	Pinjore Range	7.67	3.07	2.30	2.30	158.40
59	HAR/S/CHIL	0.28	Pehowa					

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
60	HAR/S/KAL	99.12	Kalesar Forest range	99.12	39.65	29.74	29.74	89.21
61	HAR/S/KHA	0.82	Jhajjar range					
62	HAR/S/NAH		Nohar range					
63	HAR/S/SAR	44.02	Saraswati	44.02				44.02
64	HP/N/GRE	905.40	Jiwanal range	430.37	362.37	33.05	34.95	0.13
	HP/N/GRE		Sainj Range	462.60	321.23	128.05	13.32	0.14
	HP/N/GRE		Tirthan Range	278.15	109.15	64.17	104.83	0.09
65	HP/S/DAR	167.40	Dofda Range	167	110.22	20.04	33.40	3.34
66	HP/S/DHA	943.98	UHL Range+ Sansal Beat of Baijnath Range	944	47.20	783.52	94.40	18.88
67	HP/S/GAM	109.00	Bhandal Beat	41.35				
	HP/S/GAM		Sangani Beat	27.43				
	HP/S/GAM		Beer Beat	17.72				
	HP/S/GAM		Langrea Beat	27.25				
	HP/S/GAM		Bhandal Range	113.75				
68	HP/S/KAL	69.47	Kalatop-Khajjar	20.12				1.61
69	HP/S/KUG		Kugti Block of Bharmour Territorial Range	378.87	37.89	246.27	85.25	9.47
70	HP/S/LIP	30.89	Sangla	30.89		10.19	20.70	
71	HP/S/NAR	278.38	W.L Range Barot	278.38			139.19	5.57
72	HP/S/PON	307.70	Nagrota Sorian,Dhameta					
73	HP/S/RUP	269.15	Rupi	161.23	80.62	32.25	46.76	1.61
	HP/S/RUP		Bhaba	107.92	53.96	32.38	20.50	1.08
74	HP/S/SAN	650.00	Sangla	350	84.00	175.00	87.50	3.50
75	HP/S/SHI	90.37	Wild life Range Karsog	90.37				27.11
76	HP/S/TUN	64.00	Tundah Block Swai Territorial Range of Bharmour Division	80.34	8.03	48.20	20.09	4.02
77	J&K/N/KIS	425.00	Kishtwar Range	75	7.50	11.25	56.25	
	J&K/N/KIS		Sirchi Range	350	140.00	70.00	140.00	
78	J&K/S/OVE	425.00	Lidder valley wildlife range	425.37	212.69	106.34	85.07	21.27
79	JHA/S/HAZ	186.26	Hazaribagh wildlife Sanctuary	186.255				

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
80	JHA/S/PAR	50.80	Parasnath	125.43				
81	KAR/N/ANS	250.00	Anashi	198.43	99.22	74.41	9.92	14.88
	KAR/N/ANS		Kumbarwada	51.57	20.63	14.13	15.47	1.34
82	KAR/N/BAN	880.02	Bandipur	65.60		65.60		
	KAR/N/BAN		Moyar	129.50		129.50		
	KAR/N/BAN		Maddur	126.27		126.27		
	KAR/N/BAN		Moolehole	120.5	120.50			
	KAR/N/BAN		A.M. Gudi	104.5	104.50			
	KAR/N/BAN		Hedeyala	115.25		115.25		
	KAR/N/BAN		Mdiyur	96.25		96.25		
83	KAR/N/KUD	600.32	Kudremukh, Sringeri, Venur, Karkala	600.324	480.26	60.03		60.03
84	KAR/N/NAG	643.39	Nagarahole	104.074	62.44	20.81	5.20	15.61
	KAR/N/NAG		Kallahalla	111.152	72.25	16.67	5.56	16.67
	KAR/N/NAG		Veeranahosally	48.906	17.12	16.14	14.67	0.98
	KAR/N/NAG		Metikuppe	63.012	18.90	18.90	25.20	
	KAR/N/NAG		Antharasanthe	89.557	40.30	22.39	26.87	
	KAR/N/NAG		D.B. Kuppe	136.473	61.41	20.47	40.94	13.65
	KAR/N/NAG		Anechowkur	90.155	45.08	9.92	22.54	12.62
85	KAR/S/ADI	0.89	Adichunchanagiri Peacock Sanctuary	0.89	0.45	0.36	0.09	0.18
86	KAR/S/ARA	13.50	Arabittu Wildlife Sanctuary	13.5	10.13	3.38		2.03
87	KAR/S/BHA	492.46	Hebbe			164.15		
	KAR/S/BHA		Muthodi			164.15		
	KAR/S/BHA		Lakkavalli & Thanigebyle			164.15		
88	KAR/S/BRA	181.29	Sreemangala Wildlife Range	120	81.60	29.76	6.00	1.20
	KAR/S/BRA		Bramhagiri Wildlife Range	52	25.06	1.04	4.16	1.00
89	KAR/S/DAN	475.02	Kulgi Wildlife Range	142.758	28.55	85.65	28.55	77.09
	KAR/S/DAN		Wildlife Range, Phansoli	151.9	45.57	91.14	15.19	15.19
	KAR/S/DAN		Wildlife Range, Gund	105.96	42.38	52.98	10.60	21.19
	KAR/S/DAN		Wildlife Range, Kumbharwada	74.4	29.76	22.32	22.32	0.07

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
90	KAR/S/DOR	55.87	Kamalapur	55.873	55.87			
91	KAR/S/GHA	29.79	Ranebennur Wildlife Range	29.785				
92	KAR/S/GUD	0.74	Kargal Wildlife Range	0.74	0.70	0.04		
93	KAR/S/KAV	526.95	Kavari Wildlife Sanctuary	526.95	421.56	5.27	5.27	0.53
94	KAR/S/MEL	49.82	Narayanadurga	45.34	9.07	27.20	2.27	6.80
	KAR/S/MEL		Mudibetta Reserve Forest	4.48	0.90	2.69	0.45	0.45
95	KAR/S/MOO	247.00	Kundapur Wildlife Range	247	123.50	49.40	49.40	24.70
96	KAR/S/NUG	30.32	Nugu Wildlife Sanctuary	30.32	18.19	12.13		
97	KAR/S/PUS	92.66	Kadamakal Reserve Forest	92.66	9.27	20.39	60.23	2.78
98	KAR/S/RANE	119.00	Ranebennur Wildlife Range	119				
99	KAR/S/RANG	67.00	Ranganathittu Birds Sanctuary	0.67	0.27	0.18		
100	KAR/S/SHA	431.26	Kogan	218.88	175.10	43.78		
	KAR/S/SHA		Kargal	212.34	191.11	21.23		
101	KAR/S/SHE	395.60	Shimoga	146.92	58.77	29.38	29.38	29.38
	KAR/S/SHE		Sacrebyle	63.34	34.84	23.44		5.07
	KAR/S/SHE		Hanagere	189.35	56.81	37.87	71.95	22.72
102	KAR/S/SOM	88.97	Karkala Wildlife Range	88.97	70.29	9.79		8.90
103	KAR/S/TAL	105.01	Bhoganandala	50.84		41.18	5.08	4.58
	KAR/S/TAL		Mundrote	54.16		46.04	6.50	1.62
104	KER/N/ERA	100.00	Eravikulam	100	25.00	5.00		
105	KER/S/CHIN	90.44	Chennar	90.432		89.53		0.90
106	KER/S/WAY	344.44	Muthanga	74.2928	26.00	18.57	29.72	17.09
	KER/S/WAY		Sulthan Bathery	86.0284	30.11	25.81	30.11	15.49
	KER/S/WAY		Kurichiyat	106.4526	42.58	31.94	31.94	28.74
	KER/S/WAY		Tholpetty	77.6693	37.28	32.62	7.77	40.39
107	MAH/N/AND	625.40	Tadoba	213	149.10	21.30	42.60	
	MAH/N/AND		Moharli	198	138.60	29.70	29.70	
	MAH/N/AND		Kolsa	200	140.00	30.00	30.00	
108	MAH/N/NAV	133.88	Navegaon	133.884	53.55	46.86	26.78	6.69
109	MAH/N/PEN	257.26	East Pench	148	74.00	29.60	29.60	7.40
	MAH/N/PEN		West Pench	108	43.20	43.20	16.20	5.40

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
110	MAH/N/SAN	103.09	Sanjay Ghandhi National Park	38.57				
	MAH/N/SAN		Yeur(Thana district)	58.64				
	MAH/N/SAN		Krishagiri upwan Borih	5.89				
111	MAH/S/AMB	127.11	Sonala	127.11				
112	MAH/S/ANR	82.94	Shirpur	82.94	41.47	8.29	8.29	24.88
113	MAH/S/BHA	104.38	Bhamragarh	104.38	93.94	9.39	1.04	
114	MAH/S/BOR	61.10	Bor	61.10	12.22	26.88	21.39	0.61
115	MAH/S/CHA	133.23	Chaumdampalli	133.23	53.29	54.62	13.32	11.99
116	MAH/S/GAU	260.00	Kannad	120		54.00	60.00	6.00
	MAH/S/GAU		Nagad	80		36.00	40.00	4.00
	MAH/S/GAU		Chaligaon	60		21.00	36.00	3.00
117	MAH/S/GYA	203.56	Buldhana	92.00	23.00	23.00	46.00	0.92
	MAH/S/GYA		Khamgaon	111.51	27.88	27.88	55.76	0.11
118	MAH/S/JAI	341.05	North Jaikwadi (Paithan) & South Jaikwadi (Shevgoan)	341.05	119.37	85.26	136.42	
119	MAH/S/KAL	361.71	Harishchandra	180.855		36.17	142.88	1.81
	MAH/S/KAL		Bhandardara	180.855		27.13	155.54	1.81
120	MAH/S/KAR	4.27	Karnala Bird Sanctuary Range	4.27			4.27	
121	MAH/S/KAT	57.32	Akola	38.76	3.88	5.81	28.68	0.39
122	MAH/S/NAG	152.81	Nagzira	152.81	45.84	53.48	45.84	7.64
123	MAH/S/NAI	29.90	Beed	29.90	11.96	5.98	11.96	11.96
124	MAH/S/NAR	12.35	Narnala	12.35		12.35		0.83
125	MAH/S/PAI	324.64	Sondabi range	117.53		58.77	58.77	
	MAH/S/PAI		Kharbi range	185.95		92.98	92.98	
126	MAH/S/RAD	351.16	Dajipur	99	9.90	19.80	64.35	4.95
	MAH/S/RAD		Radhanagari	182.46	18.25	36.49	118.60	9.12
127	MAH/S/SAG	10.87	Sagarshwar Wildlife Sanctuary	10.87			6.52	4.35
128	MAH/S/TIP	140.29	Tipeshwar	140.29	28.06	35.07	70.15	7.01
129	MAH/S/WAN	205.86	Wan	116.47		106.25	4.22	6.00
	MAH/S/WAN		Somthana	89.39		84.39		5.00
130	MAH/S/YAW	177.52	Pal	79.94		75.26		4.68

Table 1.3: The Status of the Forests in PAS

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
	MAH/S/YAW		Jamnya	97.58		83.86		13.72
131	MAH/S/YED	22.37	Yedshi	22.37	11.19	4.47	6.71	8.95
132	MAN/N/KEI	40.00	Keibul	1.20		0.24		0.72
133	MEG/N/BAL	220.00	Mahadeo	220	198.00	22.00		
134	MEG/N/NOK	47.48	Nokrek Northern Range	24	23.52	0.48		
	MEG/N/NOK		Nokrek Southern Range	23.48	23.01	0.47		
135	MEG/S/BAG	0.03	Baghmara Wildlife Range	0.03		0.00		
136	MEG/S/NON	29.00	Nongpoh Wildlife Range	29	20.30	5.80	2.90	
137	MEG/S/SIJ	5.18	Siju wildlife Range	5.18	4.92	0.25		
138	MIZ/N/MUR	200.00	North Nawbung	200	188.00	2.00	10.00	
139	MIZ/N/PHA	50.00	Phawngpui Forest Range	50	49.00		1.00	2.30
140	MIZ/S/DAM	500.00	Teirei	250	25.00	25.00	195.00	5.00
	MIZ/S/DAM		Phuldungsei	250	37.50	25.00	185.00	2.50
141	MIZ/S/KHA	41.00	Rawpui Range	41	4.92	31.98	4.10	
142	MIZ/S/LEN	120.00	Range (s) not yet demarcated	120	19.20	81.60	19.20	
143	MIZ/S/NGE	110.00	Ngengpui	110	110.00			
144	MP/N/BAN	1161.47	Tala, Kallawah, Khitauli, Magadhi	105	84.00	21.00		
	MP/N/BAN		Panpatha (Sanctuary)	245.84		122.92	122.92	
145	MP/N/PEN	292.86	Karmajhiri	145.24	116.19	21.79	7.26	
	MP/N/PEN		Gumtara	147.61	103.33	29.52	14.76	
146	MP/N/SAT	524.37	Park Rang Pachmarhi	178.61	80.37	44.65	53.58	
	MP/N/SAT		Park Rang Kamti	346.318	263.20	3.46	45.02	
147	MP/N/VAN	4.45	Van Vihar	4.45	3.34	1.08		0.03
148	MP/S/GAN	368.62	Gandhi Sagar	368.62	36.86	184.31	147.45	59.79
149	MP/S/KAR		Ganne Range karera	202.21				
150	MP/S/KHE	132.78	Kheoni	132.778	66.39	53.11	13.28	
151	MP/S/KUN	344.69	Seai Pura Game range	344.686	304.69	30.90		10.10
152	MP/S/NAR	57.20	Game Range Narsingarh	57.197	2.86	10.30	42.90	1.14
153	MP/S/NOR	1186.96	Mohli	223.973		89.59	134.38	
	MP/S/NOR		Singpur	162.093		89.15	72.94	
	MP/S/NOR		Noradehi	214.337		107.17	107.17	

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
	MP/S/NOR		Sarra	214.704		139.56	75.15	
	MP/S/NOR		Jhapan	150.975		75.49	75.49	
154	MP/S/PEN	118.00	Kurai	118	106.20	10.62		1.18
155	MP/S/RAL	2.62	Indore Ralamandal Sanctuary	2.6198	2.62			
156	MP/S/SAI	12.96	Sailana	12.96		12.96		
157	MP/S/SAN		Dubari	160.970		40.24	120.73	
	MP/S/SAN		Bastua	143.640		28.73	114.91	
158	MP/S/SAR	348.12	Sardarpur	348.12			348.12	
159	NAG/N/INT	202.02	Intanki Range "A"	202.02	151.52	10.10	40.40	
160	NAG/S/FAK	6.41	Fakim Wildlife Sanctuary	6.41	6.41			
161	NAG/S/PUL	9.23	Puliebadze Wildlife Sanctuary	9.23	4.62	2.31	2.31	
162	NAG/S/RAN	4.70	Rangapahar Wildlife Sanctuary	4.7	1.88	0.47	2.35	
163	ORI/S/BAD	304.03	Badarma	304.03		304.03		3.04
164	ORI/S/BAI	168.35	Banigocha Wild Life Range	168.35	101.01	67.34		0.13
165	ORI/S/BAL	71.72	Balukhand					
	ORI/S/BAL		Konark					
166	ORI/S/CHA	193.39	Bhubaneswar(WL)Range	19.41				
	ORI/S/CHA		Chandaka(W.L.)Range	55.23		55.23		
	ORI/S/CHA		Dompaela(W.L.)Range	60.9		60.90		
	ORI/S/CHA		Haldia(W.L.)Range	57.85		57.85		
167	ORI/S/DEB	346.90	Lakhanpur Range	164.80	49.44	115.36		
	ORI/S/DEB		Kamgaon Range	182.10	54.63	127.47		
168	ORI/S/HAD	191.60	No ranges but compartments inside Boula RF	Compt. 1=4.08		1.63	2.45	
	ORI/S/HAD			Compt.2=8		2.80	5.20	
	ORI/S/HAD			Compt.3=3 .77		1.32	2.45	
	ORI/S/HAD			Compt. 4=8.33		5.83	2.50	

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
	ORI/S/HAD			Compt.5=5.84		4.38	1.46	
	ORI/S/HAD			Compt.6=8.94		4.02	4.92	0.90
	ORI/S/HAD			Compt.7=8.92		3.57	5.35	0.25
169	ORI/S/KHA	116.00	Girish Chandrapur	116		116.00		01
170	ORI/S/KOT	399.50	Kotagarh	238.75	167.13	47.75	11.94	11.94
	ORI/S/KOT		Belghar	30.75	21.53	6.15	3.08	
171	ORI/S/LAK	174.96	Chandragiri	174.958		174.96		
172	ORI/S/SUN	600.00	Nawapara	200			200.00	
	ORI/S/SUN		Komna	400			400.00	
173	PUN/S/ABO	185.00						
173	PUN/S/AIS	2.60	Aishwan	2.6	2.60			
174	PUN/S/BHA	8.20	Bhadson	8.2	8.20			
175	PUN/S/BHU	6.60	Bhunerheri	6.6	6.60			
176	PUN/S/DOS	7.50	Doshamajan	7.5	7.50			
177	PUN/S/GUR	6.10	Gurdial Pura	6.1	6.10			
178	PUN/S/HAR	86.00						
179	PUN/S/MAH	2.20	Mehs	2.2	2.20			
180	PUN/S/MOT	5.24	Moti Bir	5.24	5.24			
181	PUN/S/TAK	3.86	Takhani Rehmapur	3.86	3.86			
182	RAJ/N/DES	3162.00	Jaisalmer			1054.00		
	RAJ/N/DES		Miyazlar			1054.00		
	RAJ/N/DES		Barmer			527.00	527.00	
183	RAJ/S/JAM	300.00	Jamwa ramgarh	276	55.20	69.00	113.16	38.64
184	RAJ/S/NAH	52.40	Majargarj Sanctuary Jaipur	52.40	11.53	33.01	2.62	5.24
185	RAJ/S/TAL	7.19	Tal chapper Sanctuary	7.19	3.60	2.88	0.72	
186	SIK/N/KHA	1784.00	Dzongri	1784.00	1784.00			
187	SIK/S/BAR	104.00	Barsay	104				
188	SIK/S/KYON	31.00	Kyongnosla	31	21.00	5.50	4.50	

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
189	SIK/S/SHIN	43.00	Shigba	43	20.00	5.00	18.00	
190	TN/N/GUL	6.23	Ramnad, Mandapam, Kilakarai, Tuticorin			6.23		
191	TN/N/IND	958.00	Pollachi	109.72	43.89	32.92	21.94	10.97
	TN/N/IND		Valparai	171.50	102.90	34.30	34.30	17.15
	TN/N/IND		Ulandy	75.92	30.37	26.57	3.80	15.18
	TN/N/IND		Manambolli	138.76	41.63	27.75	34.69	34.69
	TN/N/IND		Udumalpet	290.17	101.56	116.07	63.84	8.71
	TN/N/IND		Amaraathi	172.5	69.00	51.75	34.50	17.25
192	TN/N/MUD	321.00	Masinagudi	80.35	40.18		40.18	
	TN/N/MUD		Teppakadu	63.30	63.30			
	TN/N/MUD		Kargudi	54.6				
	TN/N/MUD		Mudumalai	68.5				
	TN/N/MUD		Nelakottai	54.25				
193	TN/N/MUK	78.46	Mukurthi	78.46	78.46			
194	TN/S/CHI	0.48	Chitrangudi	0.4763		0.48		
195	TN/S/GRI	496.38	Srivilliputhur	135.02	13.50	33.76	81.01	6.75
	TN/S/GRI		Rajapalavam	139.16	13.92	41.75	69.58	13.92
	TN/S/GRI		Watrap	120.42	6.02	24.08	84.29	6.02
	TN/S/GRI		Saptur	101.78		10.18	81.42	10.18
196	TN/S/KAN	1.07	Kanjaranjulam	1.0421			1.04	
197	TN/S/KARA	4.53	Tanjavur range	4.53		4.53		2.27
198	TN/S/KARI	0.65	Sancturay Range	0.65				0.65
199	TN/S/KOO	1.29	Tirunelvel	1.2933	1.03	0.26		
200	TN/S/POIN	25.00	Kodikkarai	25		20.00	5.00	
201	TN/S/PUL		Mangroves				Yes	
202	TN/S/UDA	0.44	Tanjavar wild life	.44		0.44		0.26
203	TN/S/VAD	1.63	Tanjavar wild life	1.63		1.63		0.70
204	TN/S/VALL	16.41	Tirunelveli	16.41	13.13	3.28		
205	TN/S/VED	0.27	Sanctuary Range	0.27				0.27
206	TN/S/VELL	0.77	Erode Range	0.77185	0.77			

Table 1.3: The Status of the Forests in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Total Area	Range Name	Range Area	Undisturbed Area	Slightly disturbed	Heavily disturbed	Plantations
207	TN/S/VET	0.38	Vettangudi	0.38		0.23		
208	TRI/S/GUM	389.59	Tirthmukh range	389.16		38.92	272.41	77.83
209	TRI/S/TRI	194.70	Rajnagar. Abhoya, Rangamura	194.7	136.29	29.21	19.47	9.74
210	UP/S/CHA	96.00	Chandra Prabha	96	72.00	24.00		
211	UTT/N/COR	520.82	Bitrani	102.624	41.05	30.79	30.79	
	UTT/N/COR		Kalagarh	151.818	30.36	30.36	91.09	
	UTT/N/COR		Sarpalui	103.945	72.76	15.59	15.59	
	UTT/N/COR		tourism	76.644	7.66	22.99	45.99	
	UTT/N/COR		Jhirna	40.849	26.55	6.13	8.17	
	UTT/N/COR		Dhela	18.944	14.21	2.84	1.89	
212	UTT/S/BIN	47.07	Binsar	47.07	18.83	18.83	9.41	
213	UTT/S/KED	975.20	Goresher	250.47				
	UTT/S/KED		Okhimath	754.76				
214	WB/N/GOR	79.45	Garumara South Range	50.9312		50.93		
	WB/N/GOR		Garumara North Range	28.5216		28.52		
215	WB/N/SUN	2585.00	Sajnakhali Wildlife Sanctuary	362.33		362.33		
	WB/N/SUN		National Park West	890.06		616.70	273.36	
	WB/N/SUN		National Park East	809.58		516.19	293.93	
	WB/N/SUN		Basirhat	522.84		249.29	273.55	
216	WB/S/BAL	2.02	Sub type-5B	2.021		0.71		1.31
217	WB/S/BET	0.67	Krishnapar Range, Bettadahari Beat	0.6686				0.67
218	WB/S/BIB	0.64	Bongaon Social Forestry Range	0.64	0.64			0.64
219	WB/S/HAL	5.95	Ramganga	5.95	5.95			
220	WB/S/LOT		Bhagalatpur	38	38.00			
221	WB/S/RAI	1.30	Wildlife Range					
222	WB/S/RAM	0.14	Attached Forest Range-Burdwan	0.1431	0.14			
	TOTALS	66823.04			17182.43	17571.19	10995.15	1745.02

Table 1.4: Plantations in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Are there any plantations in the PA		New Data 1998-01				
		Old data 1984-89	New Data 1998-01	Area of the PA	Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
1	A&N/N/SAD	NO	No	32.54				
2	A&N/S/CUT	NP	Yes	5.82	Casuarina equisetifolia	Exotic (for the area) found else where in A&N islands		
3	A&N/S/INT	YES	Yes		Tectona grandis (teak)	Exotic	0.36	1956
	A&N/S/INT				Lagerstroemia rypoleuca (Puionra)	Indigenous	0.05	1970
4	AP/N/KAS	NP	No	1.43				
5	AP/N/MAH	NP	No	14.59				
6	AP/N/MRU	NP	No	2.80				
7	AP/N/VEN	NP	No	2525.97				
8	AP/S/COR	YES	Yes	235.70	Avicennia officinalis	Indigenous	7.96	1987-2000
	AP/S/COR		Yes		Avicennia marinar			
9	AP/S/ETU	YES	Yes	803.00	Eucalyptus	Exotic	0.19	1977
	AP/S/ETU				Eucalyptus	Exotic	0.40	1978
	AP/S/ETU				Eucalyptus	Exotic	0.79	1978
	AP/S/ETU				Eucalyptus	Exotic	2.50	1979
	AP/S/ETU				Eucalyptus	Exotic	0.03	1988
	AP/S/ETU				Eucalyptus	Exotic	0.05	1988
10	AP/S/GUN	NP	Yes	1194.00	Teak	Indigenous	1.75	1906
	AP/S/GUN				Tectona grandis		195.45	1905
11	AP/S/KAW	YES	Yes	893.00	Tectona grandis	Indigenous	14.41	1944
	AP/S/KAW				Eucalyptus	Exotic		
	AP/S/KAW				Babool	indigenous		
	AP/S/KAW				Tectona grandis	indigenous	19.85	
	AP/S/KAW				Tectona grandis	indigenous	21.13	
	AP/S/KAW				Tectona grandis	indigenous	71.79	
12	AP/S/KOL	NO	No	308.00				
13	AP/S/KOU	NP	Yes	357.63	Hardwickia binata	Indigenous	19.00	1989
	AP/S/KOU				Ficus species	Indigenous		
	AP/S/KOU				Emblica officinalis	Indigenous		
	AP/S/KOU				Engiria gambulia	Indigenous		
	AP/S/KOU				Dendrocalanus strictus	Indigenous		
	AP/S/KOU				Tamarindus indica	Indigenous		
	AP/S/KOU				Terminalia arjuna	Indigenous		
	AP/S/KOU				Dalbergia sissoo	Indigenous		
	AP/S/KOU				Pterocarpus santalinus	Indigenous		
	AP/S/KOU				Agenorachapta indica	Indigenous		
14	AP/S/KRI	NP	Yes	194.21	Avicennia (Hada)	Indigenous	3.54	1998
	AP/S/KRI							
15	AP/S/MAN	NO	Yes	20.00	Babul - Acacia arabica	Indigenous	0.19	1995-96
	AP/S/MAN				Jamun - Eugenia jambulana	Indigenous	0.06	1999
16	AP/S/NEL	YES	No	4.58				
17	AP/S/PAK	YES	Yes	860.00	Eucalyptus	Exotic	0.27	1985-87
	AP/S/PAK				Eucalyptus	Exotic	0.58	1985-87
	AP/S/PAK				Eucalyptus	Exotic	0.10	1986-87
	AP/S/PAK				Eucalyptus	Exotic	0.20	1987-88
	AP/S/PAK				Eucalyptus	Exotic	0.20	1988-89
	AP/S/PAK				Eucalyptus	Exotic	0.10	1988-89
	AP/S/PAK				Eucalyptus	Exotic	0.15	1989-90
18	AP/S/PAP	NO	Yes	590.68	Teak - Tectona grandis	Indigenous		1938
	AP/S/PAP							
19	AP/S/POC	YES	No	130.00				
20	AP/S/PRA	YES	Yes	136.00	Tectona grandis	Indigenous	68.00	
	AP/S/PRA							
21	AP/S/PUL	NO	Yes	461.00	Anacardium occidentale (cashew)	Exotic	1.10	1953-54
	AP/S/PUL							
22	AP/S/SIW	NO	Yes	30.00	Tectona grandis	Indigenous	1.00	
	AP/S/SIW							
23	ARU/N/MOU	NP		483.00				

Table 1.4: Plantations in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
24	ARU/N/NAM	YES	Yes	1985.25	Gmelina arborea (Gamari)	Indigenous	0.15	1995
	ARU/N/NAM							
25	ARU/S/DER	YES	Yes	190.00	[Simul (Bombax ceiba), Koroi (Albizzia procera)] Indigenous, [Gamari (Gmelina arborea), Sissoo (Dalbergia sisso)] exotic	Indigenous/Exotic	3.65	1988-89/1990-91
	ARU/S/DER				Fruit plants		1.65	1990-91
	ARU/S/DER				Fuel wood and Fodder plants		1.25	1996-97
26	ARU/S/KAM	NP	No	783.00				
27	ARU/S/MEH	NO	Yes	281.50	Mangifera indica- Mango	Indigenous	0.50	1993-94
	ARU/S/MEH				Artocarpus integrifolia- Kathal	Indigenous	0.50	1993-94
	ARU/S/MEH				Baguri	Indigenous	0.50	1993-94
	ARU/S/MEH				Amlaki	Indigenous	0.50	1993-94
	ARU/S/MEH				Jalpai	Indigenous	0.50	1993-94
	ARU/S/MEH				Pears	Indigenous	0.50	1993-94
28	ARU/S/YOR	NP		445.98				
29	ASS/N/DIB	NP	Yes	340.00	Hollock (Biscepia spp.)	Indigenous	0.35	1968-70
	ASS/N/DIB				Salix spp.(Semul)		125.00	1976
30	ASS/N/KAZ	NP	No	407.90				
31	ASS/N/MAN	NP	No	519.77				
32	ASS/N/ORA	NP	Yes	78.80	Tectona grandis	Exotic	0.00	
	ASS/N/ORA				Gmelia arborea	Indigenous	0.04	
	ASS/N/ORA				Michelia champaca	Indigenous	0.00	
	ASS/N/ORA				Legarstromia flosreginae	Indigenous	0.00	
	ASS/N/ORA				Albizzia procera	Indigenous	0.00	
33	ASS/S/BAR	NP	No	26.21				
34	ASS/S/DIP	NP		4.14				
35	ASS/S/GIB	NP	Yes	19.16	Dendrocalamus macrocarpus (Hollock)	Indigenous	1.00	1924
	ASS/S/GIB				Aqualiria agallocha	Indigenous	1.00	
	ASS/S/GIB				Acacia chaplasi (Sam)	Indigenous	1.00	
	ASS/S/GIB				Lagerstroemia speciosa (Ajak)	Indigenous	1.00	
	ASS/S/GIB				Michelia spp.	Indigenous	1.00	
	ASS/S/GIB				Amora wallichii (Amari)	Indigenous	1.00	
	ASS/S/GIB				Terminalia myriocarpa (Hollock)	Indigenous	1.00	
	ASS/S/GIB				Bogipoma	Indigenous	1.00	
	ASS/S/GIB				Cinna cecicodaphne	Indigenous	1.00	
36	ASS/S/LAO	NP	No	70.10	Lagerstroemia spp.(Ajak)	Exotic	0.50	After 1950
37	ASS/S/PAN	NP	No	33.93				
38	ASS/S/POB	NP	No	16.00				
39	ASS/S/SON	NP	Yes	220.00	Bonsum (Phoebe goal perensis)	Indigenous	3.55	1994
	ASS/S/SON				Simul (Bombax ceiba)	Exotic		
	ASS/S/SON				Teak (Tectona grandis)	Exotic		
	ASS/S/SON				Bohera (Terminata delesica)	Indigenous		
	ASS/S/SON				Sissoo (Dalbergia sissoo)	Indigenous		
	ASS/S/SON				Bola (Morus laevigata)	Indigenous		
	ASS/S/SON				Titasipa (Michelia champaca)	Indigenous		
	ASS/S/SON				Ajar (Lagerstroemia flosreginae)	Indigenous		
	ASS/S/SON				Urium (Prischofia favanica)	Indigenous		
	ASS/S/SON				Amari (Amora wallichii)	Indigenous		
	ASS/S/SON				Gamari (Gmelina arborea)	Indigenous		
40	BIH/S/RAJ	YES	Yes	35.84	Chakundi (Acacia)	Exotic	1.00	since 1953
	BIH/S/RAJ				Acacia (Acacia aurientiformis)	Exotic	1.00	since 1953
	BIH/S/RAJ				Gawhar	Indigenous	1.00	since 1953
	BIH/S/RAJ				Bamboos	Indigenous	1.00	since 1953
	BIH/S/RAJ				Teak	Indigenous	1.00	since 1953
	BIH/S/RAJ				Arjun	Indigenous	1.00	since 1953
	BIH/S/RAJ				Shisham	Exotic	1.00	since 1953
	BIH/S/RAJ				Subabul	Exotic	1.00	since 1953
41	CHD/S/SUK	YES	Yes	26.11	Acacia catechu (Khair)	Exotic for the area	2.27	1967

Table 1.4: Plantations in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	CHD/S/SUK				Acacia nilotica (Kikar)	Exotic for the area	2.27	1967
	CHD/S/SUK				Dalbergia sissoo (Shisham)	Exotic for the area	2.27	1967
	CHD/S/SUK				Acacia modesta (Phalai)	Exotic for the area	2.27	1967
	CHD/S/SUK				Prosopis juliflora (Musket)	Exotic for the area	2.27	1967
	CHD/S/SUK				(Papri)	Exotic for the area	2.27	1967
	CHD/S/SUK				Eucalyptus (Safeda)	Exotic for the area	2.27	1967
	CHD/S/SUK				Jambolana indica (Jamun)	Exotic for the area	2.27	1967
	CHD/S/SUK				Dendrocalamus (Bamboo)	Exotic for the area	2.27	1967
	CHD/S/SUK				Azadrachta indica (Neem)	Exotic for the area	2.27	1967
	CHD/S/SUK				Terminalia arjuna (Arjun)	Exotic for the area	2.27	1967
42	CHT/N/IND	NO	No	2799.09				
43	CHT/N/KAN	NP	Yes	200.00	Tectona grandis (Teak)	Indigenous	9.01	1954-1965
	CHT/N/KAN							
44	CHT/S/ACH	NP	No	551.55				
45	CHT/S/BAD	NP	Yes	104.45	Teak (Tectona grandis)	Exotic	2.50	1960, 1962, 1972, 1973
	CHT/S/BAD				Bamboo (Dendrocalamus strictus)	Indigenous	1.00	1960, 1963, 1972, 1973
	CHT/S/BAD				Fruit bearing plantation		0.05	
	CHT/S/BAD				Mixed Rapidly growing plantation		0.50	
46	CHT/S/BAG	NP	No	478.00				
47	CHT/S/BAR	NP	Yes	244.66	Teak (Tectona grandis)		64.81	
	CHT/S/BAR							
48	CHT/S/BHA	NP	No	138.95				
49	CHT/S/PAM	NP	No	4402.23				
50	CHT/S/SIT	NP		558.55				
51	CHT/S/TAM	NP	Yes	608.53	Bonsa albizzia (Odratiss ima)	Indigenous	0.50	1990-91
	CHT/S/TAM				Kalasiras (Albizzia lebbeck)	Indigenous	0.25	1992-93
	CHT/S/TAM				Karhi (Albizzia procera)	Indigenous	0.25	1994-95
	CHT/S/TAM				Khair (Acacia catechu)	Indigenous		
	CHT/S/TAM				Shishu (Dalbergia)	Indigenous		
	CHT/S/TAM				Shishu			
	CHT/S/TAM				Bans (Dendrocalamus strictus)	Indigenous		
52	CHT/S/UDA	NP	Yes	237.00	Teak (Tectona grandis)	Both	1.78	1962-1984
	CHT/S/UDA				Arjun (Terminalia arjuna)	Indigenous	0.01	1987
	CHT/S/UDA				Bamboo	Indigenous	0.50	1990-91
53	DEL/S/ASO	NP	Yes	27.81	Prosopis juliflora (Exotic), Acacia nilotica, Acacia leucophloea, Butea monosperma	Indigenous	6.00	1988-89 to 1995-96
	DEL/S/ASO				Pitecolobium dulce, Holoptelia integrifolia, Azadirachta indica, Ficus spp., Bamboo, Ailanthus grandis, Anogeissus latifolia	Indigenous	4.00	1996-99
54	GOA/S/CHO	NP	Yes	1.80	Rhyzophora mucronata	Indigenous	0.18	1986
	GOA/S/CHO				Kadelia kandel	Indigenous	0.18	1986
	GOA/S/CHO				Bruguiera gymnorhiza	Indigenous	0.18	1986
	GOA/S/CHO				Sonneratia alba	Indigenous	0.18	1986
55	GUJ/N/BAN	NO	Yes	23.99	Fodder plantation	Indigenous	0.32	1998/99
	GUJ/N/BAN						0.40	1997/98
56	GUJ/S/PUR	NP	Yes	160.80	Teak (Tectona grandis)		9.77	1990
	GUJ/S/PUR				Khair (Acacia sp.)			

Table 1.4: Plantations in PAs

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Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	GUJ/S/PJR				Bamboo (Bambusa arundinacea)			
57	GUJ/S/WIL	NP	Yes	4953.00	Prosopis juliflora (Babool)	Exotic	272.74	73-74
	GUJ/S/WIL				Khair	Indigenous		
	GUJ/S/WIL				Piloo- Salvadoria spp	Indigenous		
	GUJ/S/WIL				Acacia arabica.(Desi babool)	Indigenous		
58	HAR/N/SUL	YES	Yes	1.42	Pithecelobium dulce			
	HAR/N/SUL				Prosopis juliflora			
59	HAR/S/ABU	NP	Yes		Eucalyptus (safeda)	Indigenous		
60	HAR/S/BHIN	NP	No	4.07				
61	HAR/S/BIRB	NP	Yes	8.00				
62	HAR/S/BIRS	NP	Yes	7.67	Bor, Teak			
63	HAR/S/CHIL	NP		0.28				
64	HAR/S/KAL	NP	Yes	99.12	Papri			
	HAR/S/KAL				Jamun			
	HAR/S/KAL				Gulav			
65	HAR/S/KHA	NP	No	0.82				
66	HAR/S/NAH	NP	Yes					
67	HAR/S/SAR	NP	Yes	44.02	Acacia nilotica	Indigenous	11.01	
	HAR/S/SAR				Eucalyptus (hybird spp.)	Exotic	11.01	
	HAR/S/SAR				Prosopis juliflora	Exotic	11.01	
	HAR/S/SAR				Dalbergia sisoo	Indigenous	11.01	
68	HP/N/GRE		Yes	905.40	Apricot (Prunus armeniaca), Khanor(Aesculus indica), Aru(Prunus persica)	Exotic	0.05	1994-95
	HP/N/GRE				Robinia(Robinia sps), Walnut(Juglans regia), Poplar(Poplar sps), Ailanthus(Ailanthus sps), Willow(Salix tetra), Hill Bamboo(Dendrocalamus strictus)	Exotic	0.17	1994-95
	HP/N/GRE				Robinia (Robinia sps), Walnut(Juglans regia), Poplar(Poplar sps)	Exotic	0.15	1994-95
	HP/N/GRE				Walnut(Juglans regia),Tosh(Abies pindrow),Mapple(Acer sps.),Ailanthus(Ailanthus sps)	Exotic	0.24	1995-96
	HP/N/GRE				Deo(Cedrus deodara),Ritta(Sapindus mukor	Exotic	0.21	1995-96
	HP/N/GRE				Robinia(Robinia sps), Walnut(Juglans regia)	Exotic	0.32	1995-96
	HP/N/GRE				Safeda(Eucalyptus)	Exotic	0.15	1996-97
69	HP/S/DAR	YES	Yes	167.40	Deodar	Indigenous	1.10	1994-95
	HP/S/DAR				Broad leaf (Mix)	Indigenous	1.10	1994-95
	HP/S/DAR				Grasses	Indigenous as well as exotic	1.10	1994-95
	HP/S/DAR				Robinia	Exotic	1.10	1994-95
	HP/S/DAR				Fir	Indigenous	1.10	1994-95
	HP/S/DAR				Khanoor	Indigenous	1.10	1994-95
	HP/S/DAR				Poplar ciliata	Indigenous	1.10	1994-95
70	HP/S/DHA	NP	Yes	943.98	Deodar	Indigenous	12.00	
	HP/S/DHA				Kail	Indigenous	2.00	
	HP/S/DHA				Ban	Indigenous	1.00	
	HP/S/DHA				Robinia	Exotic	1.00	
	HP/S/DHA				Chil	Indigenous	1.00	
	HP/S/DHA				Horse chestnut	Indigenous	2.00	
71	HP/S/GAM	YES	Yes	109.00	Deodar	Indigenous	1.90	1989
	HP/S/GAM				Kail	Indigenous	0.12	1990
	HP/S/GAM				Horse Chestnut	Indigenous	1.60	1989
	HP/S/GAM				Akhrot	Indigenous	0.09	1992

Table 1.4: Plantations in PAs

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Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	HP/S/GAM				Dauri (Cedrilla serreta)	Indigenous		1989
	HP/S/GAM				Baan oak (Mixed plantation (BL))	Indigenous		1989
	HP/S/GAM				Fraxinus Spp (Ash)	Indigenous		1996
	HP/S/GAM				Robinia	Exotic	1.50	1989
	HP/S/GAM				Chuli (apricot)	Indigenous		1989
	HP/S/GAM				Poplar	Indigenous	0.20	1984
72	HP/S/KAL	YES	Yes	69.47	Deodar	Indigenous	0.81	1989-90
	HP/S/KAL				Robinia	Exotic	0.18	1990-91
	HP/S/KAL				Fir	Indigenous	0.00	1990-91
	HP/S/KAL				Various Broad leaf Species	Indigenous	0.43	1989-90
	HP/S/KAL				Poplar(Paharai)	Indigenous	0.00	1990-91
	HP/S/KAL				Goon	Indigenous	0.19	1990-91
	HP/S/KAL				Chil	Indigenous	0.01	1994-95
	HP/S/KAL				Walnut	Indigenous	0.00	99-2000
73	HP/S/KUG	YES	Yes		Kail	Indigenous	40.90	1981
	HP/S/KUG				Deodar	Indigenous	77.50	1981
	HP/S/KUG				Robinia	Exotic	105.05	1981
	HP/S/KUG				Baan	Indigenous	1.50	1997
	HP/S/KUG				Walnut	Indigenous	1.15	1998
	HP/S/KUG				Ailanthus	Exotic	0.50	1997
	HP/S/KUG				Poplar	Exotic	13.00	1991
	HP/S/KUG				Goon	Indigenous	49.50	1982
	HP/S/KUG				Mix Broad Leaf	Indigenous	76.50	1981
	HP/S/KUG				Tuft Grass	Indigenous	16.50	1993
74	HP/S/LIP	NO	No	30.89				
					Deodar: Cedrus deodara, chil-pinus roxburghi, Kail-Pinus wallichiana, Robinia-Robinia psedocassia, Juglans regia	Indigenous to PA	6.70	1985
75	HP/S/NAR		Yes	278.38				
	HP/S/NAR							
76	HP/S/PON	YES	Yes	307.70	Various broad leaf species	Indigenous	1.53	1989-90
	HP/S/PON				Shisham	Indigenous	0.25	1995-96
	HP/S/PON				Kekar	Indigenous	0.02	1995-96
	HP/S/PON				Khair	Indigenous	0.18	1996-97
77	HP/S/RUP	YES	Yes	269.15	Deodar	Indigenous	0.02	1984
	HP/S/RUP				Chil	Indigenous	0.15	1984
	HP/S/RUP				Robinia	Exotic	0.02	1998
	HP/S/RUP				Poplar ciliata	Indigenous	0.02	1998
	HP/S/RUP				Deodar	Indigenous	0.16	1990
	HP/S/RUP				Khanoor (Horse Chestnut)	Indigenous	0.22	1990
	HP/S/RUP				Robinia	Exotic	0.32	1990
	HP/S/RUP				Wild Apricot	Indigenous	0.13	1990
	HP/S/RUP				Prunus(Behmi)	Indigenous	0.12	1990
	HP/S/RUP				Poplar ciliata	Indigenous	0.03	1990
78	HP/S/SAN		Yes	650.00	Deodar Broad Leaf.	Indigenous	0.15	97
	HP/S/SAN				Rubinia	Exotic	0.01	96
	HP/S/SAN				Poplar	Indigenous		
	HP/S/SAN				Poplar	Indigenous		
	HP/S/SAN				Willow	Indigenous		
	HP/S/SAN				Chuli	Indigenous		
	HP/S/SAN				Behmi	Indigenous	0.00	
	HP/S/SAN				Behmi	Indigenous	0.00	
	HP/S/SAN				Horse chest nut and grasses	Indigenous	0.00	
	HP/S/SAN				Clover	Indigenous	10.00	1998
	HP/S/SAN				Other palatable grasses	Indigenous	10.00	1997
79	HP/S/SHI		Yes	90.37	Cedrus deodara(Deodar)	Indigenous	0.35	1998-99
	HP/S/SHI				Aesculus indica(Khanoor)	Indigenous	0.15	1998-99
	HP/S/SHI				Juglans regia(Akhrot)	Indigenous	0.15	1998-99
	HP/S/SHI				Populus ciliata(Poplar)	Indigenous	0.15	1998-99
	HP/S/SHI				(Robinia)	Indigenous	0.15	1998-99
	HP/S/SHI				Apricoat(Chuli)	Indigenous	0.15	1998-99

Table 1.4: Plantations in PAs

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Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
80	HP/S/TUN	YES	Yes	64.00	Deodar	Indigenous	42.00	1987-88
	HP/S/TUN				Kail	Indigenous	62.00	1985-86
	HP/S/TUN				Goon	Indigenous	46.80	1997-98
	HP/S/TUN				Baan	Indigenous	3.00	1997-98
	HP/S/TUN				Walnut	Indigenous	4.50	1997-98
	HP/S/TUN				Poplar	Exotic		1989-90
	HP/S/TUN				Other broad leaf species	Indigenous	17.45	1989-90
	HP/S/TUN				Robinia	Exotic	147.25	99-2000
	HP/S/TUN				Drek	Indigenous	0.50	1999-00
	HP/S/TUN				Willow	Exotic	0.50	1999-200
81	J&K/N/KIS	NO	Yes	425.00	Juglans regia(Akhrot)	Indigenous	0.20	1995-96
	J&K/N/KIS				Robinia	Indigenous		96-97
	J&K/N/KIS				Auscusca indica -Horse Chestnut	Indigenous	0.50	1995-96,96-97,97-98,
82	J&K/S/OVE			425.00				
83	JHA/N/RAJ		Yes	0.74	Acacia	Exotic		1995
	JHA/N/RAJ				Eucalyptus (hybrid spp.)	Exotic		1995
	JHA/N/RAJ				Acacia catechu	Indigenous		1995
	JHA/N/RAJ				Albezzia lebeck	Indigenous		1995
84	JHA/S/HAZ	YES	Yes	186.26	Acacia, Karanj, Semal, Kanha	Indigenous	14.00	1986
	JHA/S/HAZ				Acacia, Karanj, Semal, Kanha	Indigenous	32.00	1997
	JHA/S/HAZ				Acacia, Karanj, Semal, Kanha	Indigenous	50.00	1990
	JHA/S/HAZ				Sisao	Indigenous	5.00	1994
	JHA/S/HAZ				Chakundi, Acacia, Gumhar, Karanj, Neem,	Indigenous	40.00	1995
85	JHA/S/PAR	NP	No	50.80				
86	JHA/S/UDH	NP	No					
87	KAR/N/ANS	NP	Yes	250.00	Cane (Calamus)	Indigenous	4.00	1991
	KAR/N/ANS				Acacia	Exotic	2.00	1995
	KAR/N/ANS				Bamboo	Indigenous	9.00	1976
	KAR/N/ANS				(Other Misc) Cane-Calamus	Indigenous	0.60	1991
	KAR/N/ANS				(Other Misc) Teak-Tectona grandis	Indigenous	0.50	1962
	KAR/N/ANS				(Other Misc) Silver Oak	Exotic	0.25	1962
88	KAR/N/BAN	NO	No	880.02				
					Acacia areculiformis (Acacia)			
					Exotic, Casuarina equisetifolia (Galimara)			
					Indigenous, Ailanthus malabaricum (Halmaddi)			
89	KAR/N/KUD	NP	Yes	600.32	Indigenous	Exotic, Indigenous	60.00	1984
90	KAR/N/NAG	NO	Yes	643.39	Teak (Tectona grandis)	Indigenous		1913 to 1959 & 1960 to 76
	KAR/N/NAG				Teak (Tectona grandis)			1900 to 1978
	KAR/N/NAG				Teak (Tectona grandis)			1911 to 1960
	KAR/N/NAG				Teak (Tectona grandis)			1900 to 1960
	KAR/N/NAG				Miscellaneous		4.41	1960
	KAR/N/NAG				Miscellaneous		1.59	1968
	KAR/N/NAG				Miscellaneous		3.46	1974
	KAR/N/NAG				Miscellaneous		0.81	1962
	KAR/N/NAG				Eucalyptus		0.72	1968
	KAR/N/NAG				Eucalyptus		0.26	1962
91	KAR/S/ADI	NO	Yes	0.89	Eucalyptus territocornis	Exotic	0.89	
	KAR/S/ADI				Acacia auriculiformis	Exotic		
92	KAR/S/ARA	NP	Yes	13.50	Eucalyptus territocornis (Nilgiri)	Exotic	2.00	
	KAR/S/ARA				Acacia auriculiformis (Acacia)	Exotic		
	KAR/S/ARA				Bambusa arundinaria (Kuru bidiru)	Indigenous		
	KAR/S/ARA				Emblica officinalis (Nelli)	Indigenous		
	KAR/S/ARA				Santalum album (Sandal)	Indigenous		
93	KAR/S/BHA	YES	Yes	492.46	Teak (Tectona grandis)	Indigenous		
	KAR/S/BHA							
94	KAR/S/BRA	NO	Yes	181.29	Acacia auriculiformis	Exotic	1.20	1982

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Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	KAR/S/BRA				Hopea parviflora	Indigenous	0.02	
	KAR/S/BRA				Tectona grandis	Indigenous	0.90	1912
	KAR/S/BRA				Hopea parviflora	Indigenous		1972
95	KAR/S/DAN	YES	Yes	475.02	Tectona grandis (Teak)	Indigenous	81.17	1920
	KAR/S/DAN				Acacia auriculiformis	Exotic	2.00	1993
	KAR/S/DAN				Silver Oak	Exotic	0.25	1962
	KAR/S/DAN				Miscellaneous including Terminalia, Dalbergia, Bamboo, Mango, Halasu etc.	Indigenous	35.55	1962
96	KAR/S/DOR	NP	Yes	55.87	Carissa carandus (Kanale)	Indigenous	1.50	1995
	KAR/S/DOR				Grewia spp. (Jali)			
	KAR/S/DOR				Zyziphus jujubae (Bare), Annona squamosa (Sitafala)			
	KAR/S/DOR				Zyziphus (Paragi), Mangifera indica (Mango)			
97	KAR/S/GHA	NO	Yes	29.79	Bamboo Plantations	Indigenous	0.10	1995
	KAR/S/GHA							
98	KAR/S/GUD	NP	Yes	0.74	Acacia and Fruit yielding seedlings like Hippa, Mango, Halasu etc	Indigenous	0.10	1990-91, 1999-2000
	KAR/S/GUD							
99	KAR/S/KAV	NP	Yes	526.95	Acacia, Albizzias, Pongamia, Bamboos, Neem, Sapindus, Teak, Feronia, Anogeissus, Tamarindus, Syzgium en, Hardwickia	Indigenous		1988-89
	KAR/S/KAV							
100	KAR/S/MEL	NO	Yes	49.82	Eucalyptus terriocornis (Nilgiri)	Exotic	6.00	
	KAR/S/MEL				Acacia auriculiformis	Exotic	3.00	
	KAR/S/MEL				Tectona grandis (Teak)	Indigenous	1.00	1990
101	KAR/S/MOO	YES	Yes	247.00	Tectona grandis	Exotic	20.00	1934
	KAR/S/MOO				Acacia	Exotic	20.00	
	KAR/S/MOO				Casurina	Exotic	20.00	
	KAR/S/MOO				Ailanthus	Indigenous	20.00	
	KAR/S/MOO				Bamboosa	Indigenous	20.00	
	KAR/S/MOO				Calamus	Indigenous	20.00	
	KAR/S/MOO				Artocarpus	Indigenous	20.00	
	KAR/S/MOO				Mangifera Indica	Indigenous	20.00	
	KAR/S/MOO				Viteria Indica	Indigenous	20.00	
	KAR/S/MOO				Anacardium occidentale	Exotic	20.00	
102	KAR/S/NUG	NO	Yes	30.32	Eucalyptus terriocornis	Exotic	2.00	
	KAR/S/NUG							
103	KAR/S/PUS	NP	Yes	92.66	Acacia areculiformis, Casurina, Nalli	Exotic	0.58	94-95
	KAR/S/PUS				Acacia auriculiformis, Casurina, Nalli	Exotic		94-95 to 99-2000
104	KAR/S/RANE	YES	Yes	119.00	Acacia latronum	Indigenous	93.00	1971
	KAR/S/RANE				Acacia arabica			
	KAR/S/RANE				Acacia catechu			
	KAR/S/RANE				Albizzia amara			
	KAR/S/RANE				Azadirachta indica			
	KAR/S/RANE				Carissa carandus			
	KAR/S/RANE				Chloronilon swietenla			
	KAR/S/RANE				Eucalyptus sp.	Exotic		
	KAR/S/RANE				Glericidia sepium, Tamarindus indica, Zizyphus jujuba			
105	KAR/S/RANG		Yes	67.00	Ficus bengalensis	Indigenous	0.40	
	KAR/S/RANG				Bambusa bambus	Indigenous		
	KAR/S/RANG				Bambusa arundinacea	Indigenous		
	KAR/S/RANG				Bambusa vulgaris	Exotic		
	KAR/S/RANG				Salix spp.	Indigenous		
	KAR/S/RANG				Lucornia	Indigenous		

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Note: All values for area in this table are in square kilometres

Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	KAR/S/RANG				Ficus mysorensis	Indigenous		
	KAR/S/RANG				Tamarindus indica	Indigenous		
106	KAR/S/SHA	NP	Yes	431.26	Acacia	Indigenous	15.60	1933 to 83
	KAR/S/SHA				Teak	Indigenous	234.05	1984 to 92
	KAR/S/SHA				Cane and fruit trees as gap plantation			
107	KAR/S/SHE	YES	Yes	395.60	Eucalyptus	Exotic	86.00	1970
	KAR/S/SHE				Acacia (Acacia auriculiformis)	Exotic	12.00	1983
	KAR/S/SHE				Teak	Indigenous	60.00	1880
108	KAR/S/SOM	YES	Yes	88.97	Ailanthus malabarica - Gugul doopa, Acrocarpus traxinifolius - Belangi, Vateria indica - Dhoopa, Eugenia jambulana - Nerale, Artocarpus hirsuta, Mangifera indica - mavu, Canes, Ficus religious - Arali, Ficus species - Athi, Casuarina, Tectona grandis - Teak	Indigenous	8.97	Prior to declaration of sanctuary.
	KAR/S/SOM				Acacia areculiformis	Exotic		
109	KAR/S/TAL	NP	Yes	105.01	Acacia areculiformis	Exotic	5.00	1980-81
	KAR/S/TAL							
110	KER/N/ERA	NO	No	100.00				
111	KER/S/CHIN	NO	Yes	90.44	Eucalyptus		0.01	1982
	KER/S/CHIN							
112	KER/S/WAY	YES	Yes	344.44	Teak (tectona grandis)	Indigenous		1965
	KER/S/WAY				Eucalyptus (hybrid spp.),			
	KER/S/WAY				Eucalyptus grandis	Exotic		1965,1977
	KER/S/WAY				Silver Oak (Gravelia robusta)		20.57	
	KER/S/WAY				Pepper (Piperum nigrum)		2.10	1976
	KER/S/WAY				Rose wood (Dalbergia latifolia)		10.00	
113	MAH/N/AND	NP	Yes	625.40	Tectona grandis(Teak)	Indigenous	7.49	1959
	MAH/N/AND				Fruit and Fodder species like Amla,mango,bereti	Indigenous	0.62	1990
114	MAH/N/NAV	NO		133.88				
115	MAH/N/PEN	YES	Yes	257.26			0.25	1990
	MAH/N/PEN						0.25	1990
	MAH/N/PEN						0.25	1991
	MAH/N/PEN						0.30	1995
	MAH/N/PEN						0.02	1993
	MAH/N/PEN						0.03	1995
	MAH/N/PEN						0.01	1995
	MAH/N/PEN						0.04	1995
	MAH/N/PEN						0.16	1996
116	MAH/N/SAN	YES	Yes	103.09	Subabul,Acacia		0.02	81-82
	MAH/N/SAN				Subabul,Acacia,Cashew,Coconut, Mango & Sitaphal		0.40	82-83
	MAH/N/SAN				Subabul,Acacia,Mixed plantation teak wood,Karuand,Sitaphal		0.87	83-84
	MAH/N/SAN				Cashew,karuand,Subabul, mixed plantation		0.82	84-85
	MAH/N/SAN				Mixed Plantations		0.50	85-86
	MAH/N/SAN				Teak,mixed plantation		0.49	86-87
	MAH/N/SAN				Mixed plantations ,Acacia		0.30	87-88
	MAH/N/SAN				Mixed plantations, fruit species		0.31	88-89
	MAH/N/SAN				Mixed plantations & fruit species.		0.59	89-90
	MAH/N/SAN				Mixed plantations,fruit species		0.95	90-91
	MAH/N/SAN				Mixed fruit trees		0.40	91-92
117	MAH/S/AMB	NP	Yes	127.11	Teak	Indigenous	9.01	1965-66
	MAH/S/AMB				Bamboo,Amla,Khair,Chirch	Indigenous		
	MAH/S/AMB				Siras,Sisoo,Sitafal	Exotic		
118	MAH/S/ANR	NP	Yes	82.94	Teak,Bamboo & Fruits			
119	MAH/S/BHA	NP	No	104.38				

Table 1.4: Plantations in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
120	MAH/S/BOR	YES	Yes	61.10				
121	MAH/S/CHA	NP	Yes	133.23	Teak(Sagwan)-Tectona grandis	Indigenous	10.60	1977
	MAH/S/CHA				Dendrocalamus strictus(Bamboo)	Indigenous	5.60	1984
	MAH/S/CHA				Prosopis juliflora(Prosopis)	Exotic	1.80	1989
122	MAH/S/GAU	NP	Yes	260.00	Bamboo	Indigenous	13.00	Up to 1986
	MAH/S/GAU				Mixed	Indigenous & Exotic	13.00	Upto1986
	MAH/S/GAU				Bamboo	Indigenous	13.00	1987
	MAH/S/GAU				Mixed	Indigenous & Exotic	13.00	1995
123	MAH/S/GYA	NP	Yes	203.56	Bamboo	Indigenous	0.35	1995
	MAH/S/GYA				Bamboo	Indigenous	0.35	1995
	MAH/S/GYA				Bamboo	Indigenous	0.35	1995
	MAH/S/GYA				Siris, Sagwan, Sisoo	Indigenous	0.35	1995
	MAH/S/GYA				Jambul, Siris	Indigenous	0.57	1995
	MAH/S/GYA				Bamboo	Indigenous	0.88	1996
	MAH/S/GYA				Bamboo	Indigenous	2.10	1997
124	MAH/S/JAI	NP	No	341.05				
125	MAH/S/KAL	YES	Yes	361.71	Fruit Species:- Hirda, Beheda, Jamun, Mahua	Indigenous	0.80	1996
126	MAH/S/KAR	YES	Yes	4.27	Teak (Tectona grandis)	Indigenous	0.02	1966
127	MAH/S/KAT	NP	Yes	57.32	Siras Khair, Sag Subabul	Exotic	0.25	1994
128	MAH/S/MAL	NP		29.12				
129	MAH/S/NAG	NO	Yes	152.81	Teak(Tectona grandis)	Indigenous	3.50	1995 onwards
	MAH/S/NAG				Eucalyptus	Exotic	0.50	till 1967
	MAH/S/NAG				Bamboo	Indigenous	0.50	1965-66
	MAH/S/NAG				Pasture Development	Indigenous	0.90	1963-66
130	MAH/S/NAI	NP	Yes	29.90	Mixed plantations	Indigenous & Exotic	12.00	1984-95
	MAH/S/NAI							
131	MAH/S/NAR	NP	Yes		Bamboo	Indigenous	0.83	1980 onwards
	MAH/S/NAR				Teak			
132	MAH/S/PAI	NP	Yes	324.64	Teak, Bamboo & Khair	No		
133	MAH/S/RAD	NO	Yes	351.16	Mixed species		5.15	1965-1993
	MAH/S/RAD				Bamboo		0.30	1975 to 1994
	MAH/S/RAD				Match wood		0.30	1990
	MAH/S/RAD				Fruit trees		0.70	1991
								1992, 1995
134	MAH/S/SAG	NP	Yes	10.87	Hardwickia bionata(Anjan), Bahunia racemosa(Apta), Semicarpus anacardium(Biba), Tamarindus indica(Chinch), Cassia siaemia(Kashid), Dalbergia sissoo(Sissoo)	Exotic	6.00	1980-81
	MAH/S/SAG				Acacia catechu(Khair)	Indigenous	6.00	1980-81
135	MAH/S/TIP	NP	Yes	140.29	Teak, Bamboo, Mixed plantations, Fruit trees, Khair (Acacia catechu), Fodder species.	Indigenous	15.05	1965 to 1992
136	MAH/S/WAN	NP	Yes	205.86	Bamboo	Indigenous	9.23	
	MAH/S/WAN				Teak	Indigenous	2.60	
	MAH/S/WAN				Khair + Simal	Indigenous	2.00	
	MAH/S/WAN				Others		12.26	
137	MAH/S/YAW	YES	Yes	177.52			0.07	1986-87
	MAH/S/YAW						0.20	1987-88
	MAH/S/YAW						0.20	1987-88
	MAH/S/YAW						0.70	1989-90
	MAH/S/YAW						0.05	1987-88
	MAH/S/YAW						0.15	1989-90

Table 1.4: Plantations in PAs

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Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	MAH/S/YAW						0.20	1989-90
	MAH/S/YAW						2.00	1989-90
	MAH/S/YAW						0.17	1989-90
138	MAH/S/YED	NP	Yes	22.37	Mixed plantations	Indigenous & Exotic	10.00	1980 to 1990
139	MAN/N/KEI	YES	Yes	40.00	Salix tetrasperma, Phragmites karka (Tou)	Indigenous	0.10	1998-99
140	MEG/N/BAL	NP	No	220.00				
141	MEG/N/NOK	NP	No	47.48				
142	MEG/S/BAG	NP	No	0.03				
143	MEG/S/NON	YES	No	29.00				
144	MEG/S/SIJ	NO	No	5.18				
145	MIZ/N/MJR	NO	No	200.00				
146	MIZ/N/PHA	NO	Yes	50.00	Pine (Pinus khasiya)	Indigenous	2.30	1994
147	MIZ/S/DAM		Yes	500.00	Gmelina arborea	Indigenous	1.50	1993-94
	MIZ/S/DAM				Gmelina arborea & Michelia champaca	Indigenous	2.45	1994-95
	MIZ/S/DAM				Gmelina arborea & Michelia champaca	Indigenous	3.00	1995-96
	MIZ/S/DAM				Artocarpus heterophylla	Indigenous	0.45	1996-97
	MIZ/S/DAM				Gmelina arborea & Syzygium cuminii	Indigenous	1.00	1998-99
148	MIZ/S/KHA	NP	No	41.00				
149	MIZ/S/LEN	NP	No	120.00				
150	MIZ/S/NGE	NP	No	110.00				
151	MP/N/BAN	NO	No	1161.47				
152	MP/N/GHU	NP		0.27	N.A.			
153	MP/N/PEN	NO	No	292.86				
154	MP/N/SAT	NO	No	524.37	N.A.			
155	MP/N/VAN	YES	Yes	4.45	Common species found in area	Indigenous	0.45	1985-1997
	MP/N/VAN							
156	MP/S/GAN	NP	Yes	368.62	Prosopis (Prosopis juliflora)	Exotic	11.80	1990-91
	MP/S/GAN				Babool	Indigenous	11.80	1990-91
	MP/S/GAN				Khair	Indigenous	11.80	1991-92
	MP/S/GAN				Remzha	Indigenous	11.80	1991-92
	MP/S/GAN				Sproli	Indigenous	11.80	1992-93
	MP/S/GAN				Grass Seeds	Indigenous	4.95	1995
157	MP/S/KAR	NP	Yes		Flurala		0.20	1980-81
	MP/S/KAR				Khair		0.50	1985-86
	MP/S/KAR				Rewaja			
	MP/S/KAR				Bir			
158	MP/S/KHE	NO	No	132.78	N.A.			
159	MP/S/KUN	NP	Yes	344.69	Khair	Indigenous	1.00	1991-92
	MP/S/KUN				Acacia	Indigenous	0.10	1991-192-92
	MP/S/KUN				Acacia catechu	Indigenous	1.00	1992-93
	MP/S/KUN				Dalbergia	Indigenous	2.00	1993-94
	MP/S/KUN				Sissari	Indigenous	1.00	1994-95
	MP/S/KUN				Bombed	Indigenous	0.50	1995-96
	MP/S/KUN				Keiba	Indigenous	4.50	1996-97
160	MP/S/NAR		Yes	57.20	Tectona grandis (Teak)	Indigenous	0.10	1996
	MP/S/NAR				Azadirachta indica (Neem)	Indigenous	1.00	1996
	MP/S/NAR				Emblca officinalis (Aonla)	Indigenous	1.00	1996
	MP/S/NAR				Dendroclamus strictus (Bomboo)	Indigenous	1.00	1996
	MP/S/NAR				Albizzia lebbeck (sirir)	Indigenous	1.00	1996
	MP/S/NAR				N.A.			
161	MP/S/NAT	NO	Yes	460.00	Details not available			
	MP/S/NAT							
162	MP/S/NOR	NP	Yes	1186.96	Dalbergia sisoo- Sisam	Indigenous	0.25	1997-98
	MP/S/NOR				Tactona grandis-Teak	Indigenous	0.25	1997-98
	MP/S/NOR				Bambusa arundinaria-Bans	Indigenous	0.25	1997-98
	MP/S/NOR				Phyllanthus emblica	Indigenous	0.25	1997-98
	MP/S/NOR				Azadirachta indica-Neem	Indigenous	0.25	1998-99

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		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/Indigenous	Plantation Area	Year of Planting
	MP/S/NOR				Aegle marmelos-Bel	Indigenous	0.25	1998-99
	MP/S/NOR				Albizia lebbek- Siris	Indigenous	0.25	1998-99
	MP/S/NOR				Azadirachta indica Neem	Indigenous	0.25	1998-99
	MP/S/NOR				Aegle marmelos- Bel	Indigenous	0.25	1998-99
	MP/S/NOR				Aegle marmelos-Bel	Indigenous	0.25	1998-99
	MP/S/NOR				Albizia lebbek- Siris	Indigenous	0.25	1998-99
163	MP/S/PEN	YES	Yes	118.00	Teak (Tectona grandis)	Indigenous		
	MP/S/PEN				Bamboo (Dendrocalamus strictus)	Indigenous		
164	MP/S/RAL	NP	Yes	2.62	Miscellaneous species Planted		0.15	1992-93
	MP/S/RAL							
165	MP/S/SAI	YES	No	12.96	N.A.			
166	MP/S/SAN	NP	Yes		Dedrocalamus strictus (Bans)	Indigenous	0.50	1990-91
	MP/S/SAN				Tectona grandis (Teak.)	Exotic	0.50	1990-91
167	MP/S/SAR	NP	No	348.12	N.A.			
168	NAG/N/INT	YES	Yes	202.02				
169	NAG/S/FAK	NP	No	6.41				
					Pinus pelule, Ciptomeria (Poma), Duabanga sonerotiode(Khophon), Rhododendron, Bamboo, Vitex fagota			
170	NAG/S/PUL	NP	Yes	9.23				
171	NAG/S/RAN	NP	No	4.70				
172	ORI/S/BAD	NP	Yes	304.03	Teak(Tectona grandis)	Exotic	0.13	1965-66
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	1.21	1966/67
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.61	1967/68
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.46	1968/69
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.10	1969/70
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.08	1971/72
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.07	1970/71
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.20	1979/80
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.11	1982/83
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.05	1986/87
	ORI/S/BAD				Teak(Tectona grandis)	Exotic	0.10	1982/83
	ORI/S/BAD				Semul(Bombax ciba)	Indigenous	0.00	
173	ORI/S/BAI	NO	Yes	168.35	Tectona grandis	Exotic	0.13	1965
	ORI/S/BAI							
						Now indigenous introduced as exotic during initial period		
174	ORI/S/BAL	NP	Yes	71.72	Casuarina equisetifolia(Jhaun)		71.72	1914
	ORI/S/BAL				Different spp. Of Eucalyptus Genus	Exotic		
	ORI/S/BAL				Anacardium occidentalis(Lanka amba)	Indigenous		
175	ORI/S/CHA	YES	Yes	193.39	Tectona grandis(Teak)	Indigenous		1952
	ORI/S/CHA				Shorea robusta(Sal)	Indigenous		
	ORI/S/CHA				Dalbergia sissoo	Indigenous		
	ORI/S/CHA				Gmelina arborea(Gambar)	Indigenous		
	ORI/S/CHA				Caraya arborea(Kambhi)	Indigenous		
	ORI/S/CHA				Pterocarpus marsupium(Pia-sal)	Indigenous		
	ORI/S/CHA				Azadirachta indica(Neem)	Indigenous		
	ORI/S/CHA				Emblica officinalis(Anla)	Indigenous		
	ORI/S/CHA				Syzygium cuminii(Jamu)	Indigenous		
	ORI/S/CHA				Teminalia bellerica(Bahada)	Indigenous		
	ORI/S/CHA				Bridelia retusa(Kasi)	Indigenous		
	ORI/S/CHA				Michelia champaca(Champa)	Indigenous		
176	ORI/S/CHI	NP	Yes	15.53	Phragmites karka(Nalagrass)	Indigenoous	1.24	1994
	ORI/S/CHI							
177	ORI/S/DEB	NP	No	346.90				

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		Old data 1984-89	New Data 1998-01	Area of the PA	Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
178	ORI/S/HAD		Yes	191.60	Teak(Tectona grandis)	Teak is exotic to PA	0.18	Upto 1971(Territorial)
	ORI/S/HAD				Bamboo(Bambusa tulda)		0.04	1977(Territorial)
	ORI/S/HAD				Gamar(Gmelina arborea)		0.60	1981(Afforestation)
	ORI/S/HAD				Shisham(Dalbergia sisoo)		0.80	1989-90
179	ORI/S/KHA	NP	Yes	116.00	Tectona grandis(Teak)	Exotic	0.07	1976-77
	ORI/S/KHA				Tectona grandis(Teak)	Exotic	0.08	1977-78
180	ORI/S/KOT	NP	Yes	399.50	Teak(Tectona grandis)	Indigenous	4.38	80-81,81-82,82-83,83-84,88-89,
181	ORI/S/LAK	NP	Yes	174.96	Teak(Tectona grandis)	Indigenous		
	ORI/S/LAK							
182	ORI/S/SUN	NP	Yes	600.00	Teak	Exotic	1.86	1995-96
	ORI/S/SUN							
183	PUN/S/ABO	NP	Yes	188.22	Mango	Indigenous	0.70	
	PUN/S/ABO				Jamun	Indigenous	0.70	
	PUN/S/ABO				Neem	Indigenous	0.70	
	PUN/S/ABO				Acacia	Indigenous	0.70	
	PUN/S/ABO				Teak	Indigenous	0.70	
184	PUN/S/AIS	NP	No	2.60	N.A.			
185	PUN/S/BHA	NP	No	8.20	N.A.			
186	PUN/S/BHU	NP	Yes	6.60	Mango	Indigenous	0.60	1998-99
	PUN/S/BHU				Jamun	Indigenous	0.60	1998-99
	PUN/S/BHU				Neem	Indigenous	0.60	1998-99
	PUN/S/BHU				Guava	Indigenous	0.60	1998-99
	PUN/S/BHU				Siris	Indigenous	0.60	1998-99
	PUN/S/BHU				Acacia	Indigenous	0.60	1998-99
187	PUN/S/DOS	NP	No	7.50	N.A.			
188	PUN/S/GUR	NP	Yes	6.10	Mango	Indigenous	0.80	1998-99
	PUN/S/GUR				Jamun	Indigenous	0.80	1998-99
	PUN/S/GUR				Neem	Indigenous	0.80	1998-99
	PUN/S/GUR				Acacia	Indigenous	0.80	1998-99
	PUN/S/GUR				Guava	Indigenous	0.80	1998-99
	PUN/S/GUR				Kachnar	Indigenous	0.80	1998-99
189	PUN/S/HAR	NP	Yes	86.00	Mango	Indigenous	0.70	Not known
	PUN/S/HAR				Jamun	Indigenous	0.70	Not Known
	PUN/S/HAR				Neem	Indigenous	0.70	Not Known
	PUN/S/HAR				Acacia	Indigenous	0.70	Not Known
	PUN/S/HAR				Shisham	Indigenous	0.70	Not Known
	PUN/S/HAR				Salix	Indigenous	0.70	Not Know
190	PUN/S/MAH	NP	No	2.20				
191	PUN/S/MOT	NP	No	5.24				
192	PUN/S/TAK	N P	No	3.86				
193	RAJ/N/DES	NO	Yes	3162.00	Acacia tortalis (Israeli Babul)	Exotic	5.76	1993-94
	RAJ/N/DES				Tecomella undulata (Rohida)	Indigenous	0.50	1993-94
	RAJ/N/DES				Prosopis juliflora (Juliflora)	Exotic	0.30	1993-94
	RAJ/N/DES				Ziziphus numularia	Indigenous	0.30	1993-94
194	RAJ/S/JAM	YES	Yes	300.00	Details not available			
195	RAJ/S/NAH		Yes	52.40	Acacia senegal (Kumatha)	Indigenous	0.50	1990
	RAJ/S/NAH				Israeli Babool (Acacia tortalis)	Exotic	0.50	1994
	RAJ/S/NAH				Israeli Babool (Acacia tortalis)	Exotic	0.50	1995
	RAJ/S/NAH				Israeli Babool (Acacia tortalis)	Exotic	0.50	1996
196	RAJ/S/TAL	NO	No	7.19				
197	SIK/N/KHA	YES	Yes	1784.00		Indigenous	100.00	1999-2000
	SIK/N/KHA				Cereal toona	Indigenous	200.00	2000-2001
	SIK/N/KHA				Chary	Indigenous		
	SIK/N/KHA				Khamalra (Evodia frazenfpter)	Indigenous		
198	SIK/S/BAR	NP	No	104.00				
199	SIK/S/KYON	NP	Yes	31.00	Juniper	Indigenous		

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200	SIK/S/SHIN	NP	Yes	43.00	Larynx griffithi			
201	TN/N/GUL	NOP	No	6.23				
202	TN/N/IND	NP	Yes	958.00				
203	TN/N/MUD	NP	Yes	321.00	Teak	Indigenous		
	TN/N/MUD				Eucalyptus	Exotic		
204	TN/N/MUK	NP	Yes	78.46	Wattle	Exotic	7.00	1970
	TN/N/MUK				Pine	Exotic		
205	TN/S/CHI	NP	No	0.48				
206	TN/S/GRI	NP		496.38				
207	TN/S/KAN	NP	No	1.07				
208	TN/S/KARA	NP		4.53				
209	TN/S/KARI	NP		0.65				
210	TN/S/KOO	NP	No	1.29				
211	TN/S/MEL	NP						
212	TN/S/POIN	NO	No	25.00				
213	TN/S/PUL	NO	Yes			Indigenous	0.45	1996
	TN/S/PUL				Avicennia	Indigenous		
214	TN/S/UDA	NP	Yes	0.44	Acacia nilotica		0.26	1985-86
215	TN/S/VAD	NP	Yes	1.63	Acacia nilotica	Indigenous	0.14	1988, 1988
216	TN/S/VALL	NP	No	16.41				
217	TN/S/VED	NO	Yes	0.27	Barringtonia acutangula	Native	0.10	Not known
	TN/S/VED				Acacia nilotica	Native	0.10	Not known
	TN/S/VED				Terminalia arjuna	Native		
218	TN/S/VELL	NP	Yes	0.77	Acacia nilotica	Indigenous	0.40	1983
219	TN/S/VET	NP	No	0.38				
220	TRI/S/GUM	NP	Yes	389.59	Teak (Tectona grandis)	Native	36.66	1981
	TRI/S/GUM				Gamar (Gmelina arborea)	Native	36.66	1981
	TRI/S/GUM				Ornamental (Peltaphorum feruginum, Delonix spp.)	Exotic	36.66	1981
	TRI/S/GUM				Albizia spp. & Rubber (Havea brasiliensis)	Exotic	36.66	1981
	TRI/S/GUM				Garjan (Dipterocarpus pp.)	Native	36.66	1981
222	TRI/S/TRI	NP		194.70				
223	UP/S/CHA	NO	Yes	96.00	Asna (Terminalia tomentosa)	Indigenous		
	UP/S/CHA				Dhau (Anogeissus latifolia)	Indigenous		
	UP/S/CHA				Icahu (Terminalia arjuna)	Indigenous		
	UP/S/CHA				Khair (Acacia catechu)	Indigenous		
	UP/S/CHA				Jamun (Syzygium cumini)			
224	UTT/N/COR	YES	Yes	520.82	Arundo donax (Narkul)	Indigenous	0.05	1985
	UTT/N/COR				Arundo donax (Narkul)	Indigenous	0.05	1986
	UTT/N/COR				Bombax arundenacea	Indigenous	0.01	1987
	UTT/N/COR				Arundo donax (Narkul)	Indigenous	0.03	1988
	UTT/N/COR				Anjana grass	Indigenous	0.10	1996
	UTT/N/COR				Anjana grass	Indigenous	0.10	1996
225	UTT/S/BIN	NP	Yes	47.07	Oak	Indigenous	0.20	1992
	UTT/S/BIN				Acacia	Exotic	0.20	1992
	UTT/S/BIN				Deodar	Exotic	0.20	1992
	UTT/S/BIN				Surai (Cupeaesis perclusa)	Exotic		1992
	UTT/S/BIN				Akhrot	Exotic		1992
226	UTT/S/KED			975.20				
227	WB/N/GOR	NP	Yes	79.45	Teak (Tectona grandis) and Misc spp	Indigenous, Exotic	0.18	1947
	WB/N/GOR				Dhadda (Saccharum sp.), Prundi (Alpinia nigra) Alpinia malaceensis, Chepti (Saccharum spontaneum), Malsa (Saccharum narenga), Bamboo (Bambusa sp.)	Indigenous	0.18	1947
236	WB/N/SUN	NO		2585.00				
228	WB/S/BAL	YES	Yes	2.02	Shorea robusta (Sal)	Indigenous	0.80	1954 &
	WB/S/BAL				Acacia auriculiformis	Exotic	0.82	1975-76
	WB/S/BAL				Dalbergia sisoo (Sisoo)	Indigenous		1954-55

Table 1.4: Plantations in PAs

Note: All values for area in this table are in square kilometres

Sno	PA code	Are there any plantations in the PA		Area of the PA	New Data 1998-01			
		Old data 1984-89	New Data 1998-01		Species Planted	Exotic/ Indigenous	Plantation Area	Year of Planting
	WB/S/BAL				Anacardium occidentale(Cashew)	Indigenous		1975-76
	WB/S/BAL				Terminalia bellerica(Bahera)	Indigenous		1980
	WB/S/BAL				Terminalia chebula(Hartaki)	Indigenous		1980
	WB/S/BAL				Azadirachta indica(Neem)	Indigenous		1981
	WB/S/BAL				Pterocarpus marsupium(Pea sal)	Indigenous		1976
229	WB/S/BET	NP	Yes	0.67	Teak(Tectona grandis)	Exotic	0.67	1950
	WB/S/BET				Arjun(Terminalia arjuna)	Indigenous	0.67	1951
	WB/S/BET				Sisoo(Dalbergia sisoo)	Indigenous		1952
	WB/S/BET				Siris(Albizia spp.)	Indigenous		
	WB/S/BET				Jarul(Lagerstroemia flosreginae)	Indigenous		
	WB/S/BET				Minjin(Cassia siamea)	Exotic		
	WB/S/BET				Jane(Engenia spp)	Indigenous		
	WB/S/BET				Subabul	Exotic		
	WB/S/BET				Amlaki(Emblica officinilis)	Indigenous		
	WB/S/BET				Pitali(Grewia nudiflora)	Indigenous	0.00	
	WB/S/BET				Hijal(Barringtonia acuteangula)	Indigenous	0.00	
230	WB/S/BIB	NP	Yes	0.64	Aswatha(Ficus religiosa),Bat(Ficus bengalensis),Arjun(Terminalia arjuna),Rainree(Samaria saman),Sisoo(Dalbergia sisoo),Sirish(Albizia spp),Asan(Terminalia tomentosa),Simul(Bombax ceiba),Minijini(Cassia siamea),Akashmoni(Acacia augustiformis),	Indigenous	0.64	1956
	WB/S/BIB				Khair(Acacia catechu), Hijal(Barringtonia acutangula)			
231	WB/S/HAL	NP	No	5.95				
232	WB/S/LOT	NO	No					
233	WB/S/RAI	NP	Yes	1.30	Hizal(Barringtonia acutangula)	Indigenous	1.30	1952
	WB/S/RAI				Jarul(Lagerstroemia flosreginae)	Exotic		
	WB/S/RAI				Jam(Syzygium cumini)	Indigenous		
	WB/S/RAI				Dumur(Ficus lispida)	Indigenous		
	WB/S/RAI				Sisoo(Dalbergia sisoo)	Indigenous		
	WB/S/RAI				Arjun(Terminalia arjuna)	Indigenous		
	WB/S/RAI				Kadam(Anthocephalus cadamba)	Indigenous		
	WB/S/RAI				Pitali(Trewia nudiflora)	Indigenous		
	WB/S/RAI				Kanju(Anogeissus acuminata)	Indigenous		
	WB/S/RAI				Gokul(Ailanthus grandis)	Exotic		
234	WB/S/RAM	NO	No	0.14				
235	WB/S/SEN	NP	Yes		Dulpi	Exotic		1994
	WB/S/SEN				Pipli	Indigenous		1999
	WB/S/SEN				Capari	Indigenous		
	WB/S/SEN				Catus	Indigenous		
	TOTALS			67803.62			3811.77	

Table 1.5: Corridors Connecting PAs to Each Other

Sno	PA code	Is the PA connected to another PA through a natural Corridor?		New data-1998-01		
		Old data-1984-87	New data-1998-01	Names of PAs that are connected through the forest corridor	Corridor type	Corridor length
1	A&N/N/SAD	NO				
2	A&N/S/CUT	NP	No			
3	A&N/S/INT	NO	No			
4	AP/N/KAS	NP	No			
5	AP/N/MAH	NP	No			
6	AP/N/MRU	NP	No			
7	AP/N/VEN	NP	No			
8	AP/S/COR	NO	No			
9	AP/S/ETU	YES	Yes	Eturnagaram - Pakhal Wildlife Sanctuary	Forest (R.F) Speckled With 6 Revenue villages	12.50 kms
10	AP/S/GUN	NP	Yes	Nagarjuna sagar Srisailem tiger reserve	Forest	13 kms
11	AP/S/KAW	NO	No			
12	AP/S/KOL	NO	No			
13	AP/S/KOU	NP	No			
14	AP/S/KRI	NP	No			
15	AP/S/MAN	NO	No			
16	AP/S/NEL	NO	No			
17	AP/S/PAK	YES	Yes	Pakhal Wildlife Sanctuary - Eturnagaram Wildlife Sanctuary	Forest area (RF) interspersed with Revenue villages	12.5 km
18	AP/S/PAP	NO	No			
19	AP/S/POC	NO	No			
20	AP/S/PRA	NO	Yes	Details not available		
21	AP/S/PUL	NO	No			
22	AP/S/STW	NO	No			
23	ARU/N/MOU	NP	No			
24	ARU/N/NAM	NO	Yes	Kamlang Wildlife Sanctuary	Forest	56 km
25	ARU/S/DER	NO	No			
26	ARU/S/KAM	NP	No			
27	ARU/S/MEH	NO	No	Mehao Wildlife Sanctuary		
28	ARU/S/YOR	NP	No			
29	ASS/N/DIB	NP	Yes	Dambuh-Paglam Ghat area of Arunachal Pradesh	River, Forest, Islands	7-10
30	ASS/N/KAZ	NP	Yes	Panburi R.F., Karbi Anglong Forest	Wet land and grassland	6 km
31	ASS/N/MAN	NP	Yes	Royal Manas NP (Bhutan)	Forest and River	
32	ASS/N/ORA	NP		Burachapori (in 1997, 5 rhinos were reported to have moved between the PAs), Laokhowa WLS	River	10 km
33	ASS/S/BAR	NP	No	Khalingdwar Wildlife Sanctuary (Bhutan): RF and newly proposed RF 5 km from Bornadi,		
34	ASS/S/DIP	NP	No			
35	ASS/S/GIB	NP	No			
36	ASS/S/LAO	NP	Yes	Rajiv Gandhi National Park, Orang	Wetlands	40 km
37	ASS/S/PAN	NP	No			
38	ASS/S/POB	NP	No			
39	ASS/S/SON	NO	Yes	Nameri Tiger Reserve	Reserved Forests that have been partly encroached	15 km
40	BIH/S/RAJ	NO	No			

Table 1.5: Corridors Connecting PAs to Each Other

Sno	PA code	Is the PA connected to another PA through a natural Corridor?		New data-1998-01		
		Old data-1984-87	New data-1998-01	Names of PAs that are connected through the forest corridor	Corridor type	Corridor length
41	CHD/S/SUK	NO	Yes	The adjoined area falls in Haryana & Punjab	Forest	
42	CHT/N/IND	YES	No			
43	CHT/N/KAN	YES	No			
44	CHT/S/ACH	NO	No			
45	CHT/S/BAD	NO	No			
46	CHT/S/BAG	YES	Yes	Kaimur Sanctuary	Forest	60km
47	CHT/S/BAR	NO	Yes	Lawan Range, Deopur, Kasdol	Forest	20km
48	CHT/S/BHA	YES	No	Sonakhan		
49	CHT/S/PAM	NO	No			
50	CHT/S/SIT	NO	Yes	Udanti Sanctuary	Forest	35km
51	CHT/S/TAM	NO	Yes	Sanjay National Park	Natural forest with River	3.5km
52	CHT/S/UDA	NO	No			
53	DEL/S/ASO	NP	No	N.A.	N.A.	N.A.
54	GOA/S/CHO	NP	No			
55	GUJ/N/BAN	NO	No			
56	GUJ/S/PUR	NP	Yes	Dhamandevi forest	Forest	
57	GUJ/S/WIL	NP	Yes	Great Rann of Kutch wildlife sancturay	Desert	
58	HAR/N/SUL	NO	No			
59	HAR/S/ABU	NP	No			
60	HAR/S/BHIN	NP	No			
61	HAR/S/BIRB	NP	No			
62	HAR/S/BIRS	NO	No			
63	HAR/S/CHIL	NP	No			
64	HAR/S/KAL	NO				
65	HAR/S/KHA	NP	No			
66	HAR/S/NAH	NP	No			
67	HAR/S/SAR	NP	No			
68	HP/N/GRE	NO				
69	HP/S/DAR	NO	Yes	Part I and Part II is connected with Sangla Sanctuary	Pastures and glaciers	40-50km
70	HP/S/DHA	NP	Yes	Manali, Kugti, Tundah, Nargu	Forests and Grasslands	
71	HP/S/GAM	NO	No			
72	HP/S/KAL	NO	No			
73	HP/S/KUG	NO	Yes	Tundah & Dhawaladhar Sanctuaries	Forest	5-7 km
74	HP/S/LJP	NO	Yes	Pin Valley and Rupi Bhaba	Glaciers and Pastures	Approx. 20-30 kms
75	HP/S/NAR	YES	No			
76	HP/S/PON	NO	No			
77	HP/S/RUP	NO	Yes	Pin Valley NP, GHNP & Lippa Asrang	Glaciers & Alpine Pastures	50 kms to Lippa Asrang & GHNP is adjoining the PA
78	HP/S/SAN	NP	Yes	Govind Pashu Vihar		
79	HP/S/SHI	NO	Yes	Dofda, Tikker Madhag Mahau, Malahch, Kala Kameshwer, Kamaru Nag, Halsigadand Saroi	Forest	1200mtrs
80	HP/S/TUN	NO	Yes	Kugti wildlife sanctuary	Forest	5.7kms
81	J&K/N/KIS	NO	No			
82	J&K/S/OVE	YES	Yes	Dachigam national park	Forest	
83	JHA/N/RAJ	NP	No			

Table 1.5: Corridors Connecting PAs to Each Other

Sno	PA code	Is the PA connected to another PA through a natural Corridor?		New data-1998-01		
		Old data-1984-87	New data-1998-01	Names of PAs that are connected through the forest corridor	Corridor type	Corridor length
84	JHA/S/HAZ	YES	Yes	Lawalong wildlife snactuary, Koderma wildlife sanctuary	a. Forest b. Wasteland c. Cultivated lands	
85	JHA/S/PAR	NP	Yes	Topchanchi Wildlife Sanctuary		
86	JHA/S/UDH	NP	No			
87	KAR/N/ANS	NP	Yes	Dandeli Wildlife Sanctuary	Forest	
88	KAR/N/BAN	YES	Yes	Mudumalai Wildlife Sanctuary, Wynad Sanctuary	Moist Deciduous Forest	150 kms
89	KAR/N/KUD	NP	No		Forest	
90	KAR/N/NAG	NP	Yes	Wynad Wildlife Sanctuary	Forest	3 km.
91	KAR/S/ADI	NO	No			
92	KAR/S/ARA	NP	No			
93	KAR/S/BHA	NO	No			
94	KAR/S/BRA	YES	Yes	Kerti State Forest/Nagarahole National Park/Wynad Sanctuary	Forest	Adjacent
95	KAR/S/DAN	YES	Yes	Anshi National Park	Forest	
96	KAR/S/DOR	NP	No			
97	KAR/S/GHA	NO	No			
98	KAR/S/GUD	NP	Yes	Gudavi Bird Sanctuary	Forest	52 km
99	KAR/S/KAV	NP	No			
100	KAR/S/MEL	NO	No			
101	KAR/S/MOO	YES	Yes	Someshwara and Sharavathi Valley Wildlife Sanctuary	Forest	20 kms and 10 kms
102	KAR/S/NUG	NO	No			
103	KAR/S/PUS	NP	No			
104	KAR/S/RANE	NP	No			
105	KAR/S/RANG	NO	No			
106	KAR/S/SHA	YES	Yes	Mookambica Wildlife Sanctuary	Forest	25 km.
107	KAR/S/SHE	NO	Yes	Bhadra Wildlife Sanctuary	Forest	30 km
108	KAR/S/SOM	YES	No			
109	KAR/S/TAL	NP	Yes	Pushpagiri Wildlife Sanctuary (Adjoining)	Forest	About 25 km
110	KER/N/ERA	YES	Yes	Chinnar wildlife sanctuary & Anamalai wildlife sanctuary	Forests and prasslands	
111	KER/S/CHIN	YES	Yes	Eravikulam national park and Indira Gandhi wildlife sanctuary	Forest	20 km.
112	KER/S/WAY	YES	Yes	Nagarahole, Bandipur, Mudumalai	Forest	84km.
113	MAH/N/AND	NP	Yes	Chaprala	Forest	20 to 30 km.
114	MAH/N/NAV	NO	No			
115	MAH/N/PEN	YES	Yes	Pench Tiger Reserve(Madhya Pradesh)	Both forest & wetland	
116	MAH/N/SAN	NO	Yes	Forests of Thane forest division	Reserve Forest, Protected Forest, Unclassified	
117	MAH/S/AMB	NP				
118	MAH/S/ANR	NP	Yes	Adjoining range forest(Territorial division)	Forest	
119	MAH/S/BHA	NP	No			
120	MAH/S/BOR	NO	Yes			
121	MAH/S/CHA	NP	No			
122	MAH/S/GAU	NP	Yes	Territorial forest of Buldhana division	Dry deciduous thorny forest.	100 Kms
123	MAH/S/GYA	NP	No			
124	MAH/S/JAI	NP	No			

Table 1.5: Corridors Connecting PAs to Each Other

Sno	PA code	Is the PA connected to another PA through a natural Corridor?		New data-1998-01		
		Old data-1984-87	New data-1998-01	Names of PAs that are connected through the forest corridor	Corridor type	Corridor length
125	MAH/S/KAL	NO	No			
126	MAH/S/KAR	NO	No			
127	MAH/S/KAT	NP	No			
128	MAH/S/MAL	NP				
129	MAH/S/NAG	NO	No			
130	MAH/S/NAI	NP	No			
131	MAH/S/NAR	NP	Yes	Wan Tiger Project	Forest	
132	MAH/S/PAI	NP	Yes	Not connected to a P.A., but to Pusad forest division, Mahagaon & to Nanded forest division, Islapur	Dry deciduous & open forests	Pusad division -35 to 40km, Nanded division-50km
133	MAH/S/RAD	NO	No			
134	MAH/S/SAG	NP	No			
135	MAH/S/TIP	NP	No			
136	MAH/S/WAN	NP	Yes	Ambabarwa, Narnala and project tiger	Forest	
137	MAH/S/YAW	NO	Yes	Not connected to a P.A., but to the adjoining territorial range forest.	Forest	
138	MAH/S/YED	NP	No			
139	MAN/N/KEI	NO	No	N.A.	N.A.	N.A.
140	MEG/N/BAL	NP	Yes	Balpakram National Park with Bagmara R.F	Forest(Wood forest)	
141	MEG/N/NOK	NP	No			
142	MEG/N/NON	NO	No			
143	MEG/S/BAG	NP	No			
144	MEG/S/SIJ	NO	Yes	Balpakram National Park and Rewak Reserve Forest	Forest	5-10km
145	MIZ/N/MUR	NP	Yes	Lengteng	Forest	15-20
146	MIZ/N/PHA	NP	No		N.A.	N.A.
147	MIZ/S/DAM	NO	No			
148	MIZ/S/KHA	NP	No		N.A.	N.A.
149	MIZ/S/LEN	NP	Yes	Murlen	Forest	15-20 kms
150	MIZ/S/NGE	NP	No		N.A.	N.A.
151	MP/N/BAN	YES	No			
152	MP/N/GHU	NO	No			
153	MP/N/PEN	YES	Yes	Pench National Park Maharashtra Bori & Pachmarhi sanctuaries & Hoshangabad, Chhinduara and Betul forest divisions	Forest as well as water body	About 5 km
154	MP/N/SAT	YES	Yes		Forest	
155	MP/N/VAN	NO	No	N. A.	N. A.	N. A.
156	MP/S/GAN	NO	Yes	Darrah Sanctuary (Rajasthan)	Dry Natural Scrub	30 km
157	MP/S/KAR	NO	No			
158	MP/S/KHE	NO	No	N.A.	N.A.	N.A.
159	MP/S/KUN	NP	No			
160	MP/S/NAR	NO	No	N.A.		
161	MP/S/NAT	NO	Yes	Kuno wild life sanctuary & Ranthambore Tiger Project.	Forest (river kuno)	
162	MP/S/NOR	NP	No			
163	MP/S/PEN	YES	Yes	Pench National Park	Forest	7 K.m.
164	MP/S/RAL	NP	No		Nil	Nil
165	MP/S/SAI	NO	No	N.A.		
166	MP/S/SAN	YES	Yes	Sanjay National Park	Forest	Adjoining (1km)
167	MP/S/SAR	NP	No			

Table 1.5: Corridors Connecting PAs to Each Other

Sno	PA code	Is the PA connected to another PA through a natural Corridor?		New data-1998-01		
		Old data-1984-87	New data-1998-01	Names of PAs that are connected through the forest corridor	Corridor type	Corridor length
168	NAG/N/INT	NO	Yes	Adjoining Assam State (connected to Dhansiri RF)	Forest	Across Dhansiri river
169	NAG/S/FAK	NP	No			
170	NAG/S/PUL	NP	No			
171	NAG/S/RAN	NP	No			
172	ORI/S/BAD	NP	Yes	Khalasuni Sanctuary to its south. The PA is also connected to forests of remaining Binjipalli RF and Kansar R.F.	Forest	2-5kms
173	ORI/S/BAI	YES	Yes	Satkosia gorge Sanctuary	Forest	3 kms(Approx.)
174	ORI/S/BAL	NP	No	Not applicable	Not applicable	Not applicable
175	ORI/S/CHA	NO	No			
176	ORI/S/CHI	NP	No			
177	ORI/S/DEB	NP	No			
178	ORI/S/HAD	YES	Yes	(1)Similipal Tiger Reserve(Biosphere Reserve)is connected with Hadgarh Sanctuary with contiguous forest corridors through Gadasahi RF & Kuladiha RF	Forest intersperced with habitation and cultivated area	Similipal to Hadgarh= 11.5km
179	ORI/S/KHA	NP	Yes	Ushakothi WL Sanctuary	Forest	10-15 km.
180	ORI/S/KOT	NP	No			
181	ORI/S/LAK	NP	Yes	Chandragiri RF & Alara-Ramaguda P.F.	Tropical Moist Deciduous Forests	146km
182	ORI/S/SUN	NP	Yes	Udanti Sanctuary of Madhya Pradesh	Forest	10km
183	PUN/S/ABO	NP	No			
184	PUN/S/ATS	NP	No		N.A.	N.A.
185	PUN/S/BHA	NP	No		N.A.	N.A.
186	PUN/S/BHU	NP	No		N.A.	N.A.
187	PUN/S/DOS	NP	No	N.A.	N.A.	N.A.
188	PUN/S/GUR	NO	No			
189	PUN/S/HAR	NP	Yes	Kangli wetland	Wetlands	
190	PUN/S/MAH	NP	No		N.A.	N.A.
191	PUN/S/MOT	NP	No		N.A.	N.A.
192	PUN/S/TAK	NP	No		N.A.	N.A.
193	RAJ/N/DES	NO	No			
194	RAJ/S/JAM	YES	Yes	Sariska tiger project	Forest	Both are touching each other
195	RAJ/S/NAH	NO	No			
196	RAJ/S/TAL	NO	No			
197	SIK/N/KHA	NO	Yes	Maenam wildlife sanctuary	Forest	
198	SIK/S/BAR	NP	No			
199	SIK/S/KYON	NP	No			
200	SIK/S/SHIN	NP	No			
201	TN/N/GUL	NO	No			
202	TN/N/IND	NP	Yes	Eravikulam N.P, Chinnar and Parambikulam WLS	Forest	60kms.
203	TN/N/MUD	NP	Yes	Bandipur national park and wynad wildlife sanctuary		
204	TN/N/MUK	NP	Yes	Silent Valley NP	Forest	5-10 km. Adjacent to surrounding P.A.
205	TN/S/CHI	NP	No			
206	TN/S/GRI	NP	Yes	Project Tiger Thekkadi	Forest	5.6 km.
207	TN/S/KAN	NP	No			
208	TN/S/KARA	NP				

Table 1.5: Corridors Connecting PAs to Each Other

Sno	PA code	Is the PA connected to another PA through a natural Corridor?		New data-1998-01		
		Old data-1984-87	New data-1993-01	Names of PAs that are connected through the forest corridor	Corridor type	Corridor length
209	TN/S/KARI	NP	No			
210	TN/S/KOO	NP	No			
211	TN/S/MEL	NP	No			
212	TN/S/POIN	NO	No			
213	TN/S/PUL		Yes	Pulicat-Andhra Pradesh	Wetlands	5kms.
214	TN/S/UDA	NP	No			
215	TN/S/VAD	NP	No			
216	TN/S/VALL	NP	No			
217	TN/S/VED	NO	No			
218	TN/S/VELL	NP	No			
219	TN/S/VET	NP	No			
220	TRI/S/GUM	NP	No			
221	TRI/S/TRI	NP	No			
222	UP/S/CHA	NO	No			
223	UTT/N/COR	YES	Yes	Sonanadi sanctuary and Rajaji National Park	Forest	
224	UTT/S/BIN	NP	No			
225	UTT/S/KED	NO	No			
226	WB/N/GOR	NP	Yes	Eravikulam N.P, Chinnar and Parambikulam WLS	Forest	
227	WB/N/SUN		No			
228	WB/S/BAL	NO	No			
229	WB/S/BET	NP	No			
230	WB/S/BIB	NP	No	Does not arise	Does not arise	Does not arise
231	WB/S/HAL	NP	No			
232	WB/S/LOT	NP	No			
233	WB/S/RAI	NP	No			
234	WB/S/RAM	NO	No			
235	WB/S/SEN	NP	Yes	Other adjacent forests in the district and Nepal	Forests	Not surveyed

Table 1.6: Overpopulation of fauna in the PA

Sno	PA code	Is there a perceived overpopulation of a faunal species in the PA		New data- 1998-01	
		Old data- 1984-87	New data- 1998-01	Species	Cause
1	A&N/S/INT	NO	Yes	Elephant population	
2	AP/N/MAH	NP	Yes	Chital	Lack of adequate number of predators
3	AP/S/GUN	NP	Yes	Wild boar	
4	AP/S/KRI	NP	Yes	Otter	Available of food due to prawn culture tanks
	AP/S/KRI		Yes	Fox	Availability of food due to prawn culture tanks
5	AP/S/PAP	NP	Yes	Wild boar	Due to protection
	AP/S/PAP			Hare	Due to protection
	AP/S/PAP			Bison	Due to protection
6	ASS/N/KAZ	NP	Yes	Elephant	Suitable habitat
7	ASS/S/BAR	NP	Yes	Elephant	The practice of capturing elephants has stopped
8	ASS/S/GIB	NP	Yes	Elephant	
9	ASS/S/POB	NP	Yes	Rhino	Protection, successful breeding
10	ASS/S/SON	NP	Yes	Indian Elephant (Elephas maximus)	High breeding and non capture for a long period
11	BIH/S/RAJ	NO	Yes	Wild boar	Suitable habitat
12	CHD/S/SUK	NO	Yes	Sambhar	Good habitat, abundant availability of water
	CHD/S/SUK			Wild Boar	Good habitat, abundant availability of water
13	CHT/S/BAR	YES	Yes	Details not available	
14	HAR/N/SUL	NO	Yes	Neelgai (Blue Bull)	Prolific breeder
	HAR/N/SUL			Termites or White Ants	Abundance of food
15	HAR/S/BHIN	NP	Yes	Migratory & local birds	
16	HAR/S/BIRB	NP	Yes	Neelgai (Blue Bull)	Prolific breeding
	HAR/S/BIRB			Rhesus macaque	Prolific breeding
	HAR/S/BIRB			Chamelon	
	HAR/S/BIRB			Hare	Prolific breeding
17	HAR/S/BIRS	NP	Yes	Monkey	Prolific breeding
	HAR/S/BIRS			Wild Pig	Prolific breeding
18	HAR/S/KAL	NP	Yes	Rhesus macaque (Macaca Mulatta)	Prolific breeding
	HAR/S/KAL			Common langoor	Prolific breeding
	HAR/S/KAL			Wild Pig	Prolific breeding
19	HAR/S/NAH	NP	Yes	Black Buck	
22	MAH/N/SAN	YES	Yes	Leopard	Protection
23	MAH/S/GYA	NP	Yes	Blue Bull	Protection
24	MAH/S/KAT	NP	Yes	Wild Boar & Black Buck	Protection and scientific management
25	MAH/S/SAG	NP	Yes	Black buck	No natural predator
26	MAH/S/TIP	NP	Yes	Blue Bull	
27	MAN/N/KEI	NO	Yes	Hog deer (Axis porcinus)	Prolific breeder, enjoys good protection
28	MEG/N/BAL	NP	Yes	NA	

Table 1.6: Overpopulation of fauna in the PA

Sno	PA code	Is there a perceived overpopulation of a faunal species in the PA		New data- 1998-01	
		Old data- 1984-87	New data- 1998-01	Species	Cause
29	MIZ/S/DAM	NO	Yes	Wild boar	Fast reproduction
	MIZ/S/DAM			Wolf	Fast reproduction
30	MP/N/VAN	NP	Yes	Spotted deer	Abundance of food
					(1) Inadequate predators (2) Predators prefer stray cattle compared to Neelgai
31	MP/S/NOR	NP	Yes	Neelgai (Blue Bull)	
32	ORI/S/BAL	NP	Yes	Spotted dove	
33	ORI/S/DEB	NP	Yes	Wild boar(Sus scrofa)	Prolific breeder
34	RAJ/S/JAM	NO	Yes	Blue bull	Lack of predation
35	RAJ/S/NAH	NO	Yes	Blue bull	Lack of predation
36	TN/N/IND	NP	Yes	Bonnet Macaque	Lack of predators
37	TN/S/GRI	NP	Yes	Wild boar (Sus scrofa)	
38	TN/S/VED	NO	Yes	Open Bill stork	Seasonal habitat
	TN/S/VED			White Ibis	Seasonal habitat
	TN/S/VED			Cormorant	Seasonal habitat
39	TN/S/VELL	NP	Yes	Fishes	Lack of predation
					Loss of natural migratory corridor, disproportionate male: female ratio
40	UTT/N/COR	NO	Yes	Elephant	
41	UTT/S/KED	YES	Yes	Leopard (Panthera pardus)	Theses animals are prolific breeders
42	WB/S/BAL	YES	Yes	Axis axis(Spotted deer)	High birth rate
43	WB/S/BET	NP	Yes	Chital	Lack of Predators
44	WB/S/BIB	NP	Yes	Chital(Axis axis)	
45	WB/S/RAI	NP	Yes	Open bill Stork	Congenial habitat and proper protection
46	WB/S/RAM	NP	Yes	Spotted Deer(Axis axis)	Adequate natural and supplied food, and security

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
1	AP/S/ETU	YES	YES	Tiger	Habitat degradation Rinderpest & FMD epidemics during 1976 & 1981-82
	AP/S/ETU			Indian Bison	
	AP/S/ETU			Wild dog, Hyena	
	AP/S/ETU			Panther	
	AP/S/ETU			Barking deer, Leopard cat	
	AP/S/ETU			Four horned Antelope	
2	AP/S/GUN	NP	YES	Panthera tigris (Tiger)	Migration
3	AP/S/KOL	NO	YES	Pelican	Disturbance of nesting place
4	AP/S/PAK	YES	YES	Tiger	Habitat degradation
	AP/S/PAK			Indian Bison	
	AP/S/PAK			Wild Dog	
	AP/S/PAK			Panther	
	AP/S/PAK			Crocodile	
	AP/S/PAK			Hyena	
	AP/S/PAK			Leopard Cat	
	AP/S/PAK			Giant squirrel	
	AP/S/PAK			Barking deer	
	AP/S/PAK			Pythons	
5	AP/S/PAP	NO	YES	Tiger	Disturbances due to cultivation and timber felling
	AP/S/PAP			Sambhar	Disturbances due to cultivation and timber felling
6	ARU/N/NAM	NO	YES	White Winged Wood Duck	Habitat loss in areas adjoining the PA
	ARU/N/NAM			Tiger	Disturbed by human movement and poaching
	ARU/N/NAM			Panther (Panthera pardus)	Disturbed by human movement and poaching
	ARU/N/NAM			Clouded leopard	Disturbed by human movement and poaching
	ARU/N/NAM			Snow leopard	Disturbed by human movement and poaching
	ARU/N/NAM			Musk deer	Disturbed by human movement and poaching

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
	ARU/N/NAM			Red panda	Disturbed by human movement and poaching
	ARU/N/NAM			Marbled cat	Disturbed by human movement and poaching
	ARU/N/NAM			Golden cat	Disturbed by human movement and poaching
	ARU/N/NAM			Hog deer	Disturbed by human movement and poaching
7	ARU/S/MEH	NO	YES	Tiger-Panther.Tigris	Loss of habitat and Hunting
	ARU/S/MEH			Sambhar-Cervus Unicolor	Loss of Habitat and Hunting
	ARU/S/MEH			Mouse deer	Hunting
	ARU/S/MEH			Takin	Hunting
	ARU/S/MEH			Slow loris	Loss of Habitat
	ARU/S/MEH			Leopard	Hunting
	ARU/S/MEH			Barking deer	Hunting
	ARU/S/MEH			Pangolin	Hunting
	ARU/S/MEH			Serow	Hunting
8	ARU/S/YOR	NP	YES	Panthera Tigris-Tiger	Poaching / Hunting
	ARU/S/YOR			Flying Squirrel	
	ARU/S/YOR			Musk Deer	
9	ASS/N/KAZ	NP	YES	Rhino (Rhinoceros unicornis)	
	ASS/N/KAZ			Asiatic wild buffalo (Bubolus bubalis)	
	ASS/N/KAZ			Tiger (Panthera tigris)	
	ASS/N/KAZ			Swamp deer (Cervus duvauceli)	
	ASS/N/KAZ			Elephant (Elephas maximus)	
10	ASS/N/MAN	NP	YES	Rhino	Hunting
	ASS/N/MAN			Swamp Deer	Hunting
	ASS/N/MAN			Hispid Hare	Hunting, Habitat destruction
	ASS/N/MAN			Pigmy Hog	Hunting, Habitat Destruction
	ASS/N/MAN			Wild dog	Hunting, Habitat Destruction
	ASS/N/MAN			Buffalo	Hunting, Habitat destruction
11	ASS/N/ORA	NP	YES	Great Indian one horned Rhinoceros	Poaching
12	ASS/S/BAR	NP	YES	Pygmy hog	Poaching

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
	ASS/S/BAR			Hispid hare (Caprolagus hispidus)	Poaching
	ASS/S/BAR			Hog deer (Axis percinus)	Poaching
	ASS/S/BAR			Wild pig (Sus scrofa)	Poaching
	ASS/S/BAR			Pea fowl	Poaching
	ASS/S/BAR			Hornbill (Accros hipalensis)	Poaching
13	ASS/S/LAO	NP	YES	Indian one-horned rhinoceros	Poaching
14	BIH/S/RAJ	YES	YES	Ant eater	Human interference
15	CHT/S/BHA	NP	YES	Wild buffalo	NTPP Collection and degradation of habited due to human and cattle pressure
16	CHT/S/PAM	NP	YES	Wild buffalo	Degradation of habitat due to human and cattle pressure and N.T.F.P.collection
17	CHT/S/TAM	NO	YES	Tiger(Panthera tigris)	Due to migration
	CHT/S/TAM			Leopard(Panthera pardus)	Due to migration
	CHT/S/TAM			Common Peafowl	Due to migration
18	GUJ/N/BAN	NO	YES	Panther (Panthera pardus)	N.A
	GUJ/N/BAN			Spotted deer (Axis axis)	N.A
	GUJ/N/BAN			Barking deer (Manticus muntjak)	N.A
	GUJ/N/BAN			Hyena	N.A
	GUJ/N/BAN			Jungle cat	N.A
19	GUJ/S/WIL	NP	YES	Chinkara (Gazella gazella)	Loss of habitat, hunting and disturbance due to salt farming
	GUJ/S/WIL			Caracal (Felis caracal)	
	GUJ/S/WIL			Antilope cervicarpa (B.Buck)	
20	HAR/S/BIRB	NP	YES	Peacock	Use of Pesticides
21	HAR/S/BIRS	NP	YES	Panther	
22	HAR/S/KAL	NP	YES	Sambhar	
	HAR/S/KAL			Chital	
	HAR/S/KAL			Barking deer	
	HAR/S/KAL			Goral	
23	HAR/S/SAR	NP	YES	Hog Deer	

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
	HAR/S/SAR			Black Partridge	
	HAR/S/SAR			Porcupine	
	HAR/S/SAR			Grey Partridge	
24	HP/S/DAR	YES	YES	Mouse Deer, Blue sheep, Western Tragopan	Habitat loss and disturbance from human activities
	HP/S/DAR			Monal Pheasant, Cheer Pheasant	Habitat loss and disturbance from human activities
25	HP/S/GAM	YES	YES	Hangul	Hunting
26	HP/S/KAL	YES	YES	Monal Pheasant	Not known
27	HP/S/KUG	NO	YES	Musk Deer	Poaching
28	HP/S/TUN	NO	YES	Musk Deer	Poaching
29	J&K/N/KIS	YES	YES	Leopard, Brown bear	
	J&K/N/KIS			Kashmiri stag (Hangul)	
30	JHA/S/HAZ	NO	YES	All the mammals	Habitat destruction, poaching
31	JHA/S/UDH	NP	YES	Snake Bird	
	JHA/S/UDH			Fish	Illegal fishing
32	KAR/S/MOO	NO	YES	Mouse Deer	
	KAR/S/MOO			King Cobra	
	KAR/S/MOO			Lion Tailed Macaque	
	KAR/S/MOO			Otter	
	KAR/S/MOO			Slender Loris	
33	KAR/S/PUS	NP	YES	Lion Tailed Macaque	Poaching
	KAR/S/PUS			Malabar Squirrel	Poaching
	KAR/S/PUS			Indian Bison	Poaching
34	KAR/S/SHA	NO	YES	Lion tailed Macaque	Migration
35	KAR/S/TAL	NP	YES	Lion tailed Macaque	Hunting
36	KER/S/CHIN	NO	YES	Grizzled squirrel	
	KER/S/CHIN			Niligiri tahr	
37	MAH/N/SAN	YES	YES	Wild boar	Poaching
	MAH/N/SAN			Rabbit	Poaching & illegal hunting
	MAH/N/SAN			Peafowl	Poaching
38	MAH/S/ANR	NP	YES	Chinkara & Black naped hare	Encroachment & hunting
39	MAH/S/CHA	NP	YES	Tiger	Excessive biotic interference
40	MAH/S/GAU	NP	YES	Barking Deer, Chinkara & Blue Bull	Grazing pressure has increased over the years.
41	MAH/S/KAL	NO	YES	Giant squirrel, Barking deer & Sambhar	Habitat fragmentation, water scarcity & biotic pressure

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
43	MAH/S/PAI	NP	YES	Tiger	Regular fire
	MAH/S/PAI			Sloth bear	Human disturbance
	MAH/S/PAI			Bison	
44	MAH/S/SAG	NP	YES	Canis lupus pallipes(Indian wolf)	Habitat disturbance
	MAH/S/SAG			Pangolin	Habitat Disturbance
	MAH/S/SAG			Hyena	Habitat disturbance
45	MAH/S/WAN	NP	YES	Tiger and Leopard	NA
46	MAN/N/KEI	YES	YES	Brow-antlered deer.	
	MAN/N/KEI			Otter	Increasing human population
47	MEG/N/BAL	NP	YES	Elephant	Migration,natural or accidental deaths,poaching etc.
	MEG/N/BAL			Indian bison	Migration,natural or accidental deaths,poaching etc.
	MEG/N/BAL			Panthera tigris(Tiger)	Migration,natural or accidental deaths,poaching etc.
	MEG/N/BAL			Panthera pardus(Leopard)	Migration,natural or accidental deaths,poaching etc.
48	MEG/N/NOK	NP	YES	Tiger,Leopard,Gaur	Destruction of habitat and hunting
	MEG/N/NOK			Sambar,Barking deer	Destruction of habitat and hunting
	MEG/N/NOK			Serow, Himalayan black bear	Destruction of habitat and hunting
	MEG/N/NOK			Slow loris, Rhesus macaque, Assamese macaque	Destruction of habitat and hunting
	MEG/N/NOK			Hornbill	Destruction of habitat and hunting
	MEG/N/NOK			Peacock pheasant, Khaleej pheasant	Destruction of habitat and hunting
49	MEG/S/NON	YES	YES	Tiger (Panthera Tiger)	Hunting
	MEG/S/NON			Wild Buffalo	Hunting
	MEG/S/NON			Indian Bison	Hunting
50	MEG/S/SIJ	NP	YES	Elephant	Migration,natural or accidental death, poaching etc

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
	MEG/S/SIJ			Bos gaurus(Indian bison)	Migration,natural or accidental death, poaching etc
	MEG/S/SIJ			Panthera tigris(Tiger)	Migration,natural or accidental death, poaching etc
	MEG/S/SIJ			Panthera pardus(Leopard)	Migration,natural or accidental death, poaching etc
51	MIZ/N/PHA	NP	YES	Tiger	Extensive habitat destruction and migration away from the PA
	MIZ/N/PHA			Pangolin	Migration outside the PA makes the animals prone to hunting
	MIZ/N/PHA			Hoolock Gibbon	Migration outside the PA makes the animals prone to hunting
52	MIZ/S/DAM	NO	YES	Hoolock Gibbon	Poaching
	MIZ/S/DAM			Hoolock Gibbon	
53	MP/N/BAN	NP	YES	Gaur (Bos gaurus)	Migration
54	MP/N/SAT	NO	YES	Giant squirrel	
	MP/N/SAT			Flying squirrel	
	MP/N/SAT			Pangolin	
55	MP/N/VAN	NO	YES	Black buck	Migration and improper and inadequate feeding
56	MP/S/GAN	NO	YES	Bear	Heavy biotic interference and unsuitable habitat
57	MP/S/KAR	YES	YES	Black buck	Biotic pressure
58	MP/S/KUN	NP	YES	Black buck	
	MP/S/KUN			Chinkara	
	MP/S/KUN			Four horned Antelope	
	MP/S/KUN			Leopard	
	MP/S/KUN			Sloth Bear	
	MP/S/KUN			Tiger	
	MP/S/KUN			Crocodile	
	MP/S/KUN			Gharial	
59	NAG/N/INT	NO	YES	Bos gaurus (Gaur)	Degradation of habitat
	NAG/N/INT			Melursus ursinus (Sloth Bear)	Degradation of habitat
	NAG/N/INT			Hoolock gibbon	Degradation of habitat
	NAG/N/INT			Elephant	Fragmentation of habitat

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
	NAG/N/INT			Tiger	Hunting
	NAG/N/INT			Leopard	Hunting
60	NAG/S/FAK	NP	YES	Bos gaurus	Due to degradation of habitat surrounding the PA
	NAG/S/FAK			Tragopon blythii	Due to degradation of habitat surrounding the PA
61	NAG/S/PUL	NP	YES	Sambhar	Hunting
	NAG/S/PUL			Barking deer	Hunting
	NAG/S/PUL			Fox	Hunting
	NAG/S/PUL			Jungle Cat	Hunting
62	ORI/S/BAD	NP	YES	Bison(Bos gaurus)	FMD epidemic in 1984
	ORI/S/BAD			Wild Dog	Not known
63	ORI/S/BAL	NP	YES	Black buck	(I)Deferestation by the local villagers resulting out migration of animals south (ii) Poaching in early day (iii) Scantcy of food
64	ORI/S/CHA	YES	YES	Python	
	ORI/S/CHA			Panther(Panthera pardus)	Habitat destruction and poaching
65	ORI/S/DEB	NP	YES	Sambar	Hunting in the past
66	ORI/S/HAD	YES	YES	Indian elephant (Elephas maximus)	Destruction and shrinking of habitat due to: (i) Encroachment (ii)Overgrazing by cattle (iii) Forest fires (iv) Illicit felling (v) MFP collection (vi)Hunting/Poaching
	ORI/S/HAD			Indian wolf (Canis lupus)	Destruction and shrinking of habitat due to: (i) Encroachment (ii)Overgrazing by cattle (iii) Forest fires (iv) Illicit felling (v) MFP collection (vi)Hunting/Poaching

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984 87	New data-1998-01	Species	Cause of decline
	ORI/S/HAD			Leopard (Panthera pardus)	Destruction and shrinking of habitat due to: (i) Encroachment (ii)Overgrazing by cattle (iii) Forest fires (iv) Illicit felling (v) MFP collection (vi)Hunting/Poaching
	ORI/S/HAD			Mouse deer	Destruction and shrinking of habitat due to: (i) Encroachment (ii)Overgrazing by cattle (iii) Forest fires (iv) Illicit felling (v) MFP collection (vi)Hunting/Poaching
	ORI/S/HAD			Pangolin	
67	ORI/S/KOT	NP	YES	Elephant	
68	RAJ/S/JAM	NO	YES	Tiger	Biotic disturbance and habitat degradation
	RAJ/S/JAM			Panther (Panthera pardus)	Biotic disturbance and habitat degradation
	RAJ/S/JAM			Caracal (Felis caracal)	Biotic disturbance and habitat degradation
	RAJ/S/JAM			Ratel	Biotic disturbance and habitat degradation
	RAJ/S/JAM			Wolf (Canis lupus)	
69	RAJ/S/NAH	NO	YES	Panther(Panthera pardus)	Biotic pressure and habitat degradation
	RAJ/S/NAH			Indian peafowl	Biotic pressure and habitat degradation
70	RAJ/S/TAL	NO	YES	Desert Fox	Biotic pressure
	RAJ/S/TAL			Jackal	Biotic pressure
71	SIK/N/KHA	YES	YES	Blood pheasants	Feral dogs
72	TN/N/GUL	YES	YES	Sea cow	Habitat degradation
	TN/N/GUL			Sea turtle	Habitat degradation
73	TN/N/IND	NP	YES	Chital	Cessation of plantation activities
74	TN/S/GRI	NP	YES	Grizzled giant squirrel	

Table 1.7: Threatened species of fauna in PAs

Sno	PA code	Are there any species of fauna that are threatened in the PA		New data- 1998-01	
		Old data-1984-87	New data-1998-01	Species	Cause of decline
	TN/S/GRI			Elephant-Elephas maximus	
	TN/S/GRI			Nilgiri Tahr	
	TN/S/GRI			Lion tailed macaque	
75	TN/S/VET	NP	YES	Spoonbill	Not known
76	TRI/S/GUM	NP	YES	Pigtailed Macaque	Habitat destruction
	TRI/S/GUM			Stumptailed macaque	
	TRI/S/GUM			Slow loris	
77	TRI/S/TRI	NP	YES	Gaur	
	TRI/S/TRI			Hoolock Gibbon	
	TRI/S/TRI			Phayrels leaf monkey	
78	UP/S/CHA	NO	YES	Tiger (Panthera tigris)	Habitat decline
	UP/S/CHA			Chinkara (Gazella gazella)	Habitat decline
79	UTT/N/COR	YES	YES	Hog Deer	Loss of grass land due to formation of reservior
80	UTT/S/KED	YES	YES	All animals	
81	WB/N/SUN	NP	YES	Gangetic Dolphin	Destruction of habitat
	WB/N/SUN			Olive ridley turtle	
	WB/N/SUN			Crocodile	
82	WB/S/BAL	YES	YES	Black buck	
83	WB/S/BET	NP	YES	Jungle Cat	Lack of prey base
	WB/S/BET			Porcupine	
84	WB/S/HAL	NP	YES	Tiger	Not known

Table 1.8: Faunal Species of Specieal Interest in the PA

Sno	PA code	Species	Significance	Status
1	A&N/S/CUT	Turtles	Breeding area for the turtles	stable maybe declining
2	AP/N/MAH	Black Buck - Antelope cervicapra	A threatened species in Andhra Pradesh	Stable
3	AP/N/VEN	Golden gecko	Found only in this PA	Unknown
	AP/N/VEN	Slender Loris	Found only in the PA and source of Medicine	Unknown
4	AP/S/COR	Clawless otter	Found only in this PA	Increasing
5	AP/S/ETU	Gaur - Bos gaurus	Large Population of Gaur used to roam in these forests	210 no. (As per 1986-87 census)
	AP/S/ETU	Tiger	Chief Predator of the Forest	Stable
	AP/S/ETU	Giant squirrel		Not available
	AP/S/ETU	Pythons		Decline
	AP/S/ETU	Barking deer	Sighting is rare	Not available
	AP/S/ETU	Leopard cat	Sighting is rare	
6	AP/S/GUN	Rusty spotted cat	Wild relative of domesticated species	unknown
	AP/S/GUN	Golden Cat	Wild relative of domesticated species	unknown
7	AP/S/KAW	Bison	Found only in this PA	stable
8	AP/S/KOL	Teals	Hunted for food	Declining
	AP/S/KOL	Pelicans	Found only in this PA	Declining
	AP/S/KOL	Painted storks	Found only in this PA	Declining
9	AP/S/KOU	Elephant	Found only in this PA	Increasing
10	AP/S/NEL	Grey Pelican	Winter Migratory Bird	Stable
	AP/S/NEL	Open Billed Storks	Winter Migratory Bird	Stable
	AP/S/NEL	White Ibis	Winter Migratory Bird	Stable
11	AP/S/PAK	Gaur	Sighting is rare	Unknown
	AP/S/PAK	Tigers	Chief predator of the forest	
	AP/S/PAK	Giant squirrel		Not available
	AP/S/PAK	Leopard cat	Sighting is rare	Not available
	AP/S/PAK	Mugger crocodile	Sighting is rare	Not available
	AP/S/PAK	Pythons		
	AP/S/PAK	Nilgai		Stable
	AP/S/PAK	Four horned antelope		Stable
12	AP/S/PRA	Black Buck	These move in open dry grass lands	Increasing
13	AP/S/PUL	Flamingo	Migratory Bird	
14	AP/S/SIW	Otter	Carnivore in aquatic eco-system	Stable
15	ARU/N/MOU	Red Panda	Cultural Importance	Stable
	ARU/N/MOU	Tiger	Cultural Importance	Stable
	ARU/N/MOU	Pythons	Cultural Importance	Stable
16	ARU/S/DER	River Dolphin	Found nowhere else in the state	Unknown
	ARU/S/DER	Wild Buffallo (Bubalis bubalis)	Endangered	Declining
17	ARU/S/MEH	Takin	Hunted as game	
	ARU/S/MEH	Red Panda	Hunted as game	Declining
	ARU/S/MEH	Wood Duck	Hunted as game	Declining
	ARU/S/MEH	Monal pheasant	Hunted as game	Declining
18	ASS/N/DIB	Spot billed pelican		Unknown
	ASS/N/DIB	White billed Heron		

Table 1.8: Faunal Species of Specieal Interest in the PA

Sno	PA code	Species	Significance	Status
	ASS/N/DIB	White winged wood duck	Found only in this PA	
	ASS/N/DIB	Pale capped Pigeon	Found only in this PA	
	ASS/N/DIB	Lesser Adjutant stork	Red Data Listed Species	
	ASS/N/DIB	Great Spotted Eagle		
	ASS/N/DIB	Pochard		
19	ASS/N/MAN	Pigmy Hog	Found only in this PA	Declining
	ASS/N/MAN	Hispid Hare	Found only in this PA	Declining
20	ASS/N/ORA	One horned Rhinoceros (Rhinoceros unicornis)	Found only in this PA and KNP	Declining
	ASS/N/ORA	Tiger (Panthera tigris)	Source of medicine, Other commercial value	Increasing
21	ASS/S/GIB	Hoolock gibbon	Found only in this PA	Stable
	ASS/S/GIB	Stump Tailed Macaque	Found only in this PA	Stable
	ASS/S/GIB	Pigtailed macaque	Found only in this PA	Stable
22	ASS/S/LAO	Bengal Florican		Unknown (Sightings reduced)
	ASS/S/LAO	Wild Buaffalo		Increasing
	ASS/S/LAO	Tiger		Increasing (Around 14)
	ASS/S/LAO	Rhino		
	ASS/S/LAO	Hog deer		Declining
24	ASS/S/PAN	Adjutant Stork (Leptoptilos dubivs)	Other	declining
25	ASS/S/POB	Rhino	Schedule I, Species, State Animal	Increasing
26	ASS/S/SON	White winged wood duck	Highly endangered	Stable
	ASS/S/SON	Bengal florican	endangered species	stable
	ASS/S/SON	Tiger (Panthera tigris)	Endangered species	Stable
	ASS/S/SON	Bison (Bos gaurus)	Endangered species	Stable
	ASS/S/SON	Hispid Hare, Hornbill	endangered species	Stable
27	BIH/S/RAJ	Ant eater	rare species	declining
28	CHT/N/IND	Wild buffalo	Wild relative of domesticated species	Declining
29	CHT/N/KAN	Ratel	Status in India is very low	Stable
30	CHT/S/TAM	Sloth Bear	Source of medicine	Common
	CHT/S/TAM	Gaur or Indian Bison(Bos gaurus)	In Surguja district, found only in this PA	Common
31	CHT/S/UDA	Wild Buaffalo	Hard ground	Almost stable
32	DEL/S/ASO	Spiny tail Lizard (Sanda) (Uromastix Hardwickii)	Source of medicine	Stable
33	GOA/S/CHO	Pteropus giganteus (flying fox)	Abundant. Flying foxes are normally found in dark places such as caves, etc.	Stable
34	GUJ/N/BAN	Flying squirrel	Cultural importance	declining
35	GUJ/S/WIL	Caracal (Felis caracal)	Found only in this PA as well as great Rann of Kutch	Unknown
36	HAR/N/SUL	Sarus crane	Found only in this PA	
37	HAR/S/ABU	Black Buck	Found only in this PA	Increasing

Table 1.8: Faunal Species of Specieal Interest in the PA

Sno	PA code	Species	Significance	Status
38	HAR/S/BHIN	Pelican, Rosy		Stable
	HAR/S/BHIN	Flamingo		
	HAR/S/BHIN	Shelduck, Ruddy		
	HAR/S/BHIN	Mallard		
	HAR/S/BHIN	Partridge, Black & Grey		
	HAR/S/BHIN	Parakeet, Roseringed		
	HAR/S/BHIN	Cuckoo, Pied Crested		
	HAR/S/BHIN	Kingfisher, LesserPied		
39	HAR/S/BIRB	Procupine	Wild relative of domesticated species	Declining
	HAR/S/BIRS	Spotted Deer		
	HAR/S/BIRS	Red Jungle Fowl		
40	HAR/S/KAL	Red Jungle fowl (gallus gallus)		
41	HAR/S/KHA	Pelican	To presserve WL and keep balanced environment	Stable
42	HAR/S/KHA	Barheaded goose		
	HAR/S/KHA	Mallard		
43	HAR/S/NAH	Black Buck	Indigenous	Stable
44	HP/S/DAR	Mouse Deer	Rare found in this PA	Stable
	HP/S/DAR	Trogon	Endangered species	Stable
	HP/S/DAR	Monal	Endangered	Stable
	HP/S/DAR	Serow	Rare species	Stable
45	HP/S/GAM	Hangul		Unknown
46	HP/S/KUG	Monal	Cultural importance	Stable
	HP/S/KUG	Musk Deer	Other commercial value	Declining
47	HP/S/LIP	Tahr	Found in more number here than in other PAs	Stable
	HP/S/LIP	Bharal	Found in more number here than in other PAs	Stable
48	HP/S/RUP	Snow leopard	Rare species	Stable
	HP/S/RUP	Himalayan Tahr	Rare Species	Stable
	HP/S/RUP	Western Tragopan	Endangered Species	Stable
	HP/S/RUP	Musk Deer	Endangered Species	Stable
49	HP/S/SAN	Musk Deer	Schedule I	Stable
	HP/S/SAN	Monal		
	HP/S/SAN	Brown Bear		
50	HP/S/TUN	Monal	Cultural importance	Stable
	HP/S/TUN	Musk Deer	Other commercial value	Declining
51	J&K/N/KIS	Musk Deer	Found only in this NP	
	J&K/N/KIS	Western tragopan		
52	J&K/S/OVE	Hangul		Stable
	J&K/S/OVE	Musk deer		Stable
	J&K/S/OVE	Brown bear		Unknown
	J&K/S/OVE	Leopard		Unknown
	J&K/S/OVE	Serow		Unknown
53	JHA/S/HAZ	Indian Wolf		Unknown
54	KAR/N/ANS	King Cobra		Unknown
55	KAR/N/KUD	Lion Tailed macaque (Macaca silenus)	Endemic to western ghats	Stable
56	KAR/S/BRA	Lion tailed Macque	Very rare	Unknown
58	KAR/S/KAV	Ratufa macroura	Endemic to few parts	Stable

Table 1.8: Faunal Species of Special Interest in the PA

Sno	PA code	Species	Significance	Status
	KAR/S/KAV	Mahseer Fish	Found in Kaveri River	Stable
59	KAR/S/MEL	Canis lupus - Indian Wolf	Rare and endangered animal	Stable
60	KAR/S/PUS	Leeches		Stable
61	KAR/S/RANE	Great Indian Bustard	Found only in this PA	Their existence is very erratic
62	KAR/S/RANG	Indian Cliff Swallow	Winter visitor builds colony of nests	Stable
63	KAR/S/SHA	Lion Tailed Macaque	Other commercial value	
	KAR/S/SHA	Black Panther	Found only in this PA	
64	KAR/S/SOM	Lion tailed macaque	Found only in this PA	Stable
65	KER/N/ERA	Nilgiri tahr	Endangered, endemic	Increasing
	KER/N/ERA	Nilgiri marten	Endemic	Unknown
66	KER/S/CHIN	Grizzled Giant Squirrel	Endangered	Increasing
	KER/S/CHIN	White Gaur	Albino	Stable
67	KER/S/WAY	Elephant	Religious/threatened	Stable
	KER/S/WAY	Tiger(panthera tigris)	Religious/Threatened	Stable
	KER/S/WAY	Four horned antelope	Threatened	Stable
	KER/S/WAY	Leopard cat (Felis bengalensis)	Threatened	Stable
	KER/S/WAY	Malabar civet	Threatened	Stable
	KER/S/WAY	Pangolin	Threatened	Stable
	KER/S/WAY	Flying squirrel	Threatened	Stable
68	MAH/N/AND	Ratel	Distribution restricted	Unknown
	MAH/N/AND	Leopard cat	Distribution restricted	Unknown
69	MAH/N/PEN	Tiger		Increasing, but not remarkable
	MAH/N/PEN	Mahseer		Increasing, but not remarkable
70	MAH/N/SAN	Rusty spotted cat	Rare	Unknown
71	MAH/S/ANR	Chinkara		
72	MAH/S/BHA	Giant Squirrel	Found mostly around the riparian areas	Increasing
73	MAH/S/CHA	Giant Squirrel	Found mostly around the riparian areas	Increasing
74	MAH/S/GAU	Barking Deer	To maintain the balance	Declining
	MAH/S/GAU	Chinkara	To maintain the balance	Declining
75	MAH/S/GYA	Panther		Increasing
	MAH/S/GYA	Sloth bear		Increasing
76	MAH/S/JAI	Open Billed Storks		Not yet studied
	MAH/S/JAI	Tufted Pochards		Not yet studied
	MAH/S/JAI	Common Pochards		Not yet studied
	MAH/S/JAI	White Eyed Pochards		Not yet studied
	MAH/S/JAI	Coots		Not yet studied
	MAH/S/JAI	Bar Headed Geese		Not yet studied
	MAH/S/JAI	Common Teal		Not yet studied
	MAH/S/JAI	Cotton Teal		Not yet studied
	MAH/S/JAI	Cranes		Not yet studied
	MAH/S/JAI	Flamingo		Not yet studied
77	MAH/S/KAL	Giant squirrel,Barking deer,Sambhar		
78	MAH/S/KAT	Indian Wolf	Endangered	Declining

Table 1.8: Faunal Species of Special Interest in the PA

Sno	PA code	Species	Significance	Status
79	MAH/S/NAI	Peafowl	Conservation value & cultural significance	Increasing
80	MAH/S/NAR	Panthera tigris	Hunted as game or for trophy	Increasing
81	MAH/S/PAI	Tiger		Stable
	MAH/S/PAI	Panther		Increasing
	MAH/S/PAI	Spotted deer		Increasing
	MAH/S/PAI	Black buck		Increasing
	MAH/S/PAI	Barking deer		Stable
82	MAH/S/RAD	Bison		Increasing
	MAH/S/RAD	Giant Squirrel		Increasing
	MAH/S/RAD	Tiger		Increasing
	MAH/S/RAD	Sloth Bear		Increasing
83	MAH/S/SAG	Sambhar		Increasing
	MAH/S/SAG	Axis axis(Chital)		Increasing
	MAH/S/SAG	Vulpes bengalensis(Indian fox or khoked)		Increasing
	MAH/S/SAG	Sus scrofa(Wild boar)		Increasing
	MAH/S/SAG	Jungle cat		Increasing
84	MAH/S/TIP	Blue Bull	Wild relative of domesticated species	Increasing
85	MAH/S/WAN	Panthera tigris & Panthera pardus	Hunted as game or for trophy	Increasing
86	MAH/S/YED	Wolf	Conservation Value	Increasing
87	MAN/N/KEI	Brow Antlered Deer (Cervus eldi eldi)	Found only in this PA	Increasing
88	MEG/N/BAL	Hoolock gibbon	Only Ape species in the PA	Unknown
	MEG/N/BAL	Pangolin	Threatened species	Unknown
	MEG/N/BAL	Capped Langoor	Threatened Species	Unknown
	MEG/N/BAL	Civet cat	Threatened species	Unknown
	MEG/N/BAL	Tiger	Threatened Species	Unknown
	MEG/N/BAL	Binturong	Hunted for Skin and threatened species	Unknown
89	MEG/N/NOK	Hoolok Gibbon	The only tailless ape of Indian sub-continent	Unknown
	MEG/N/NOK	Stumped tailed macaque and Pig tailed macaque		Unknown
90	MEG/S/NON	Clouded Leopard	State animal	Stable
	MEG/S/NON	Tiger		Declining
	MEG/S/NON	Great Indian Pied hornbill		Stable
	MEG/S/NON	Golden Cat		Declining
	MEG/S/NON	Dhole (Wild Dog)		Stable
	MEG/S/NON	Hoolock Cubbbon		Increasing
	MEG/S/NON	Hill myna	State bird	Stable
91	MEG/S/SIJ	Hoolock gibbon	Only Ape species in the PA	Unknown
	MEG/S/SIJ	Pangolin	Threatened Species	Unknown
	MEG/S/SIJ	Capped Langur	Threatened Species	Unknown
	MEG/S/SIJ	Civet Cat	Threatened Species	Unknown
	MEG/S/SIJ	Binturong	Hunted for food and skin	Unknown
	MEG/S/SIJ	Tiger	Threatened Species	Unknown

Table 1.8: Faunal Species of Special Interest in the PA

Sno	PA code	Species	Significance	Status
92	MIZ/N/MUR	Hume's Bartailed Pheasant	State bird of Mizoram. Has a sparse distribution	Increasing
93	MIZ/N/PHA	Blyths Tragopan	Found only in this PA in Mizoram	Increasing
94	MIZ/S/DAM	Hoolock Gibbon (Hylobates hoolock)	Only ape in India	Declining
	MIZ/S/DAM	Wolf	Endangered species	Increasing
95	MIZ/S/KHA	Hume's Bartailed Pheasant	State bird of Mizoram. Has a sparse distribution	Increasing
96	MIZ/S/LEN	Hume's Bartailed Pheasant	State bird of Mizoram. Has a sparse distribution	Increasing
97	MP/N/BAN	Tiger		Increasing
98	MP/N/SAT	Indian Gaint Squirrel	Found only in this PA	
	MP/N/SAT	Flying Squirrel	Found only in this PA	
99	MP/N/VAN	Tiger	Endangered	Stable
	MP/N/VAN	Lion	Endangered	Stable
	MP/N/VAN	Leopard	Threatened	Stable
100	MP/S/GAN	Panther	It occupy the top position in food chain to balance the ecological chain	Increasing
	MP/S/GAN	Crocodile	Endangered	Unknown
	MP/S/GAN	Otter	Peculiar to water bodies.	Unknown
101	MP/S/NAR	Peacock	Cultural importance as well as National bird found abundantly in this P.A.	Increasing
102	MP/S/NAT	Gharial		Increasing
	MP/S/NAT	Dolphin		Increasing
	MP/S/NAT	Otter		Stable
	MP/S/NAT	Indian Skimmer		Declining
	MP/S/NAT	Sarus Crane		Declining
	MP/S/NAT	Black necked stork		Declining
	MP/S/NAT	Vultures		Declining
	MP/S/NAT	Kestrel		Not known
103	MP/S/NOR	Wolf	It is an excellent animal to keep herbivore population under control	Increasing
104	NAG/N/INT	Elephant	The largest mammal found in the PA	Declining
	NAG/N/INT	Crocodile	Found only in this PA	Unknown
105	NAG/S/FAK	Tragopon blythii	Found only in this PA	Stable
106	NAG/S/PUL	Barking Deer	Hunted as game or for trophy	Decreasing
	NAG/S/PUL	Fox	Cultural importance	Decreasing
	NAG/S/PUL	Jungle cat		Decreasing
	NAG/S/PUL	Flying squirrel		Decreasing
107	ORI/S/BAD	Elephant	Cultural importance	Increasing
	ORI/S/BAD	Bison	Cultural importance	Declining
	ORI/S/BAD	Sambar	State animal	Declining
	ORI/S/BAD	Barking deer	Cultural importance	Declining
	ORI/S/BAD	Spotted Deer	Cultural importance	Declining
108	ORI/S/BAI	Elephant	Migratory in nature	
	ORI/S/BAI	Gaur	Indicate healthy ecosystem and pasture	Stable
109	ORI/S/BAL	Black buck		Very rare
110	ORI/S/DEB	Chousingha-Four horned Antelope	Common in this PA	Increasing

Table 1.8: Faunal Species of Specieal Interest in the PA

Sno	PA code	Species	Significance	Status
111	ORI/S/HAD	Indian elephant(<i>Elephus maximus</i>)	Elephants can be considered flagship species	Declining
112	ORI/S/KOT	Elephant	Not studied	
113	ORI/S/LAK	Indian elephant	Cultural importance	Increasing
114	PUN/S/ABO	Black Buck	The Sanctuary is famous for Black Bucks	Increasing
115	PUN/S/HAR	Salora Pigeon	Rare Migratory Bird	Stable
	PUN/S/HAR	Black necked stork	Rare Migratory Bird	Stable
	PUN/S/HAR	Night jar	Rare Migratory Bird	Stable
	PUN/S/HAR	Hog deer		
	PUN/S/HAR	Cranes, Fishing cat		
116	RAJ/S/JAM	Caracal	One of the rarest cat	Declining
	RAJ/S/JAM	Peafowl	Cultural importance	Declining
	RAJ/S/JAM	Wolf (<i>Canis lupus</i>)	Wild relative of domestic	Declining
117	RAJ/S/NAH	Pea fowl (<i>Pavo cristatus</i>)	Cultural value and importance	Declining
	RAJ/S/NAH	Wolf (<i>Canis lupus</i>)	Wild relative of domestic species	declining
118	RAJ/S/TAL	Black Buck	Source of gene pool	Stable
119	SIK/N/KHA	Himalayan tahr	Wild relation of domesticated species	Unknown
	SIK/N/KHA	Black Bear	Source of medicine	Declining
	SIK/N/KHA	Musk Deer	Source of medicine	Declining
120	SIK/S/KYON	Musk Deer	Hunted	Unknown
	SIK/S/KYON	Red Panda	State Animal	Unknown
	SIK/S/KYON	Himalayan Black Bear		Unknown
	SIK/S/KYON	Blood pheasant	State Bird	Unknown
	SIK/S/KYON	Monal Pheasant	Schedule-I animal	Unknown
121	SIK/S/SHIN	Red Panda	State Animal	Unknown
	SIK/S/SHIN	Musk Deer	Faces poaching	Unknown
	SIK/S/SHIN	Snow Leopard	Faces poaching	Known
	SIK/S/SHIN	Blood pheasant	State Bird	Unknown
122	TN/N/GUL	Coral reef	Found abundantly in the Gulf	Not known
	TN/N/GUL	Sea cow	Number of animals of this species found here is high	
	TN/N/GUL	Sea turtle		
123	TN/N/IND	Giant squirrel	Endemic to western ghats of TN	Stable
	TN/N/IND	Lion tailed macaque	Endemic to western ghats of TN	Stable
	TN/N/IND	Nilgiri Tahr	Endemic to the state	Stable
	TN/N/IND	Great pied hornbill	Low density	Stable
124	TN/N/MUD	Elephant	Migrant/food base is more	Stable
	TN/N/MUD	Gaur	Migrant	Increase
125	TN/N/MUK	Tahr	Highly endangered	Stable
126	TN/S/KARI	Ducks	Good Breeding grounds	Increasing
127	TN/S/POIN	Black Buck	Highest population in TN	Stable
128	TN/S/PUL	Flamingo	Seasonal migrant	Stable
129	TN/S/VALL	Black Buck	Hunted as game	Increasing
130	TN/S/VED	Painted Stork	Seasonal habitat	Increasing
	TN/S/VED	Grey Pelican	Seasonal habitat	Increasing
131	TN/S/VELL	Snake bird		
132	TRI/S/GUM	Hoolock Gibbon (<i>Hylobates hoolock</i>)	Highly endangered	

Table 1.8: Faunal Species of Special Interest in the PA

Sno	PA code	Species	Significance	Status
	TRI/S/GUM	Pig tailed macaque	Highly endangered	
	TRI/S/GUM	Stumptailed macaque	Highly endangered	
	TRI/S/GUM	Capped langur	Highly endangered	
	TRI/S/GUM	Prespytis phayri	Highly endangered	
	TRI/S/GUM	Slow loris	Highly endangered	
	TRI/S/GUM	Leopard	Highly endangered	
133	TRI/S/TRI	Gaur		Common
	TRI/S/TRI	Hoolock Gibbon		Occasional
	TRI/S/TRI	Capped Langur		Occasional
	TRI/S/TRI	Phayre's leaf monkey		
134	UTT/S/KED	Himalayan Marten		Unknown
	UTT/S/KED	Himalayan mouse hare (Ochotona roylei)		Unknown
	UTT/S/KED	Koklas pheasants		Unknown
135	WB/N/GOR	Great Indian one horned Rhinoceros	Found only in this Paand Jaldapar in WB	Increasing
136	WB/N/SUN	Olive ridley turtles	Come to Sundarbans for breeding	Unknown
137	WB/S/BET	Python	Schedule-I animal	Stable

Table 1.9: Deliberate Introduction of Fauna into the PA

Sno	PA code	Have any species of fauna been deliberately introduced into the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	Species	Year	Reason	Status
1	AP/S/COR	NO	Yes	Saltwater Crocodiles	1988-89	To protect PA from Biotic interference	Not existing
2	ASS/N/ORA	NP	Yes	Pigmy Hog	1976		Unsuccessful
3	CHD/S/SUK		Yes	Spotted deer	1985	To introduce new species of fauna in the sanctuary area	Population is increasing
4	DEL/S/ASO	NP	Yes	Black Buck (Antelope cervicapra)	1999	Being indigenous species, it was reintroduced	N.A.
5	HP/S/PON	NO	Yes	Minor Carp	1974-75	To increase fish production in the Pong Lake	
	HP/S/PON			Indian Major Carp	1974-75	To increase fish production in the Pong Lake	
6	KAR/S/SHA	NO	Yes	Spotted Deer	1994-95	Heavy population in zoo at Shimoga	Stable
	KAR/S/SHA			Bison	1999-00		maintained
7	KER/N/ERA	NO	Yes	Rainbow trout	1880	Angling	Unknown
8	MAH/N/AND	NP	Yes	Marsh crocodiles (Crocodylus palustris)	1977	Were naturally occurring in the past	Increasing
9	MAH/N/PEN		Yes	Crocodile	1998-99	Since the PA has big reservoirs, the crocodile habitat may be developed here.	Unknown
10	MAH/N/SAN	YES	Yes	Tiger	1998	Education & tourism	Stable
	MAH/N/SAN			Lion	1972	Education & tourism	Increasing
	MAH/N/SAN			Giant Squirrel	1998	Spreading of species	Unknown
11	MAH/S/SAG	NP	Yes	Sambar	1980	Establishment in local area	Increasing
	MAH/S/SAG			Axis axis(Chital)	1980	Establishment in local area	Increasing
	MAH/S/SAG			Black Buck	1980	Establishment in local area	Increasing
12	MP/N/BAN	YES	Yes	Black Buck	1978-79	Not Known	Declining
13	MP/N/VAN	NO	Yes	All the species are introduced		Exhibit	Stable
14	NAG/N/INT	NO	Yes	Peacock	1985-86	Not Known	Unknown
15	PUN/S/BHU	NP	Yes	Black buck	1998	To relocate surplus stock.	Stable
	PUN/S/BHU			Cervis unicolor	1998	To relocate surplus stock.	Stable
16	SIK/N/KHA	NO	Yes	Dzo	1970	Pack animal	Increasing
17	SIK/S/SHIN	NP	Yes	Brown trout	1978		stable
18	TN/S/POIN	NO	Yes	Jackal		Predator-prey equilibrium	Increasing
	TN/S/POIN			Chital			Increasing
19	TRI/S/TRI	NP	Yes	Spotted Deer			
20	UP/S/CHA	YES	Yes	Asiatic Lion	1957	Due to extinction of this species from other parts of the country. In the early part of the century, this area was suitable for lions	All the introduced animals have disappeared
21	UTT/N/COR	NO	Yes	Crocodile	1994	Rehabilitaiton due to the animal being on the verge of extinction	increasing
	UTT/N/COR			Ghariyal	1904		Increasing
22	WB/S/BET	NP	Yes	Chital	1969	To prepare stock for reintroduction	Stable
23	WB/S/BIB	NP	Yes	Chital(Axis axis)	1964	To create Deer Park	Increasing
24	WB/S/AM	NO	Yes	Spotted deer(Axis axis)		To develop educational tourism	Increasing
	WB/S/AM			Black Buck		To develop educational tourism	Stable
	WB/S/AM			Leopard	1996	To develop educational tourism	Stable
	WB/S/AM			Various Birds	1996	To develop educational tourism	Declining

Table 1.10: Accidental Introduction of Fauna into the PA

Sno	PA code	Accidental Introduction	Details of Accidental Introduction
1	A&N/N/SAD	No	
2	A&N/S/CUT	No	
3	A&N/S/INT	Yes	Details not available
4	AP/N/KAS	No	
5	AP/N/MAH	No	
6	AP/N/MRU	No	
7	AP/N/VEN	No	
8	AP/S/COR	No	
9	AP/S/ETU	No	
10	AP/S/GUN	No	
11	AP/S/KAW	No	
12	AP/S/KOL	No	
13	AP/S/KOU	No	
14	AP/S/KRI	No	
15	AP/S/MAN	No	
16	AP/S/NEL	No	
17	AP/S/PAK	No	
18	AP/S/PAP	No	
19	AP/S/POC	No	
20	AP/S/PRA		
21	AP/S/PUL	No	
22	AP/S/SIW	No	
23	ARU/N/MOU	No	
24	ARU/N/NAM	No	
25	ARU/S/DER	No	
26	ARU/S/KAM	No	
27	ARU/S/MEH	No	
28	ARU/S/YOR	No	
29	ASS/N/DIB	Yes	
30	ASS/N/KAZ	No	
31	ASS/N/MAN	No	
32	ASS/N/ORA	No	
33	ASS/S/BAR	No	
34	ASS/S/DIP		
35	ASS/S/GIB	No	
36	ASS/S/LAO	No	
37	ASS/S/PAN	No	
38	ASS/S/POB	No	
39	ASS/S/SON	No	
40	BIH/S/RAJ	No	
41	CHD/S/SUK	No	
42	CHT/N/IND	No	
43	CHT/N/KAN		
44	CHT/S/ACH	No	
45	CHT/S/BAD	No	
46	CHT/S/BAG	No	
47	CHT/S/BAR	No	
48	CHT/S/BHA	No	
49	CHT/S/PAM	No	
50	CHT/S/SIT	No	
51	CHT/S/TAM	No	

Table 1.10: Accidental Introduction of Fauna into the PA

Sno	PA code	Accidental Introduction	Details of Accidental Introduction
52	CHT/S/UDA	No	
53	DEL/S/ASO	No	
54	GOA/S/CHO	No	
55	GUJ/N/BAN	No	
56	GUJ/S/PUR	No	
57	GUJ/S/WIL	No	
58	HAR/N/SUL	No	
59	HAR/S/ABU	No	
60	HAR/S/BHIN	No	
61	HAR/S/BIRB	No	
62	HAR/S/BIRS		
63	HAR/S/CHIL	No	
64	HAR/S/KAL	Yes	Chital & Sambhar
65	HAR/S/KHA	No	
66	HAR/S/NAH	No	
67	HAR/S/SAR	No	
68	HP/N/GRE	No	
69	HP/S/DAR	No	
70	HP/S/DHA	No	
71	HP/S/GAM	No	
72	HP/S/KAL	No	
73	HP/S/KUG	No	
74	HP/S/LIP	No	
75	HP/S/NAR	No	
76	HP/S/PON	No	
77	HP/S/RUP	No	
78	HP/S/SAN	No	
79	HP/S/SHI	No	
80	HP/S/TUN	No	
81	J&K/N/KIS	No	
82	J&K/S/OVE	No	
83	JHA/N/RAJ	No	
84	JHA/S/HAZ	No	
85	JHA/S/PAR	No	
86	JHA/S/UDH	No	
87	KAR/N/ANS	No	
88	KAR/N/BAN	No	
89	KAR/N/KUD	No	
90	KAR/N/NAG	No	
91	KAR/S/ADI	No	
92	KAR/S/ARA	No	
93	KAR/S/BHA	No	
94	KAR/S/BRA		
95	KAR/S/DAN	No	
96	KAR/S/DOR		
97	KAR/S/GHA	No	
98	KAR/S/GUD		
99	KAR/S/KAV	No	
100	KAR/S/MEL	No	
101	KAR/S/MOO	No	
102	KAR/S/NUG	No	

Table 1.10: Accidental Introduction of Fauna into the PA

Sno	PA code	Accidental Introduction	Details of Accidental Introduction
103	KAR/S/PUS	No	
104	KAR/S/RANE	No	
105	KAR/S/RANG	No	
106	KAR/S/SHA		
107	KAR/S/SHE	No	
108	KAR/S/SOM	No	
109	KAR/S/TAL	No	
110	KER/N/ERA	No	
111	KER/S/CHIN	No	
112	KER/S/WAY	No	
113	MAH/N/AND	No	
114	MAH/N/NAV	No	
115	MAH/N/PEN	No	
116	MAH/N/SAN	No	
117	MAH/S/AMB	No	
118	MAH/S/ANR	Yes	A total of 5 bears have migrated from the adjoining range forest to Aner Dam since the past 3-4 months (December 1999, January & February 2000).
119	MAH/S/BHA	No	
120	MAH/S/BOR	No	
121	MAH/S/CHA	No	
122	MAH/S/GAU	No	
123	MAH/S/GYA	No	
124	MAH/S/JAI	No	
125	MAH/S/KAL	No	
126	MAH/S/KAR	No	
127	MAH/S/KAT	No	
128	MAH/S/MAL	No	
129	MAH/S/NAG	No	
130	MAH/S/NAI	No	
131	MAH/S/NAR	No	
132	MAH/S/PAI	No	
133	MAH/S/RAD	No	
134	MAH/S/SAG	No	
135	MAH/S/TIP	No	
136	MAH/S/WAN	No	
137	MAH/S/YAW	No	
138	MAH/S/YED	No	
139	MAN/N/KEI	No	
140	MEG/N/BAL	No	
141	MEG/N/NOK	No	
142	MEG/S/BAG	No	
143	MEG/S/NON	No	
144	MEG/S/SIJ	No	
145	MIZ/N/MUR	No	
146	MIZ/N/PHA	No	
147	MIZ/S/DAM	No	
148	MIZ/S/KHA	No	
149	MIZ/S/LEN	No	

Table 1.10: Accidental Introduction of Fauna into the PA

Sno	PA code	Accidental Introduction	Details of Accidental Introduction
150	MIZ/S/NGE	No	
151	MP/N/BAN	No	
152	MP/N/GHU	No	
153	MP/N/PEN	No	
154	MP/N/SAT	No	
155	MP/N/VAN	No	
156	MP/S/GAN	No	
157	MP/S/KAR		
158	MP/S/KHE	No	
159	MP/S/KUN	No	
160	MP/S/NAR	No	
161	MP/S/NAT		
162	MP/S/NOR	No	
163	MP/S/PEN	No	
164	MP/S/RAL	Yes	Captive animals from zoo were released in the area
165	MP/S/SAI	No	
166	MP/S/SAN	No	
167	MP/S/SAR	No	
168	NAG/N/INT	No	
169	NAG/S/FAK	No	
170	NAG/S/PUL	No	
171	NAG/S/RAN	No	
172	ORI/S/BAD	No	
173	ORI/S/BAI	No	
174	ORI/S/BAL	No	
175	ORI/S/CHA	No	
176	ORI/S/CHI	No	
177	ORI/S/DEB	No	
178	ORI/S/HAD	No	
179	ORI/S/KHA	No	
180	ORI/S/KOT	No	
181	ORI/S/LAK	No	
182	ORI/S/SUN		
183	PUN/S/ABO	No	
184	PUN/S/AIS	No	
185	PUN/S/BHA	No	
186	PUN/S/BHU	No	
187	PUN/S/DOS	No	
188	PUN/S/GUR	No	
189	PUN/S/HAR	No	
190	PUN/S/MAH	No	
191	PUN/S/MOT	No	
192	PUN/S/TAK		
193	RAJ/N/DES	No	
194	RAJ/S/JAM	No	
195	RAJ/S/NAH	No	
196	RAJ/S/TAL	No	
197	SIK/N/KHA	No	
198	SIK/S/BAR		

Table 1.10: Accidental Introduction of Fauna into the PA

Sno	PA code	Accidental Introduction	Details of Accidental Introduction
199	SIK/S/KYON	Yes	Feral dogs abandoned by people, particularly the armed forces
200	SIK/S/SHIN	No	
201	TN/N/GUL		
202	TN/N/IND	No	
203	TN/N/MUD	No	
204	TN/N/MUK	No	
205	TN/S/CHI		
206	TN/S/GRI	No	
207	TN/S/KAN		
208	TN/S/KARA		
209	TN/S/KARI	No	
210	TN/S/KOO	No	
211	TN/S/MEL		
212	TN/S/POIN	No	
213	TN/S/PUL	No	
214	TN/S/UDA	No	
215	TN/S/VAD	No	
216	TN/S/VALL	No	
217	TN/S/VED	No	
218	TN/S/VELL	No	
219	TN/S/VET	No	
220	TRI/S/GUM	No	
221	TRI/S/TRI	No	
222	UP/S/CHA	No	
223	UTT/N/COR	No	
224	UTT/S/BIN	No	
225	UTT/S/KED	No	
226	WB/N/GOR	No	
227	WB/N/SUN		
228	WB/S/BAL	No	
229	WB/S/BET	No	
230	WB/S/BIB	No	
231	WB/S/HAL	No	
232	WB/S/LOT	No	
233	WB/S/RAI	No	
234	WB/S/RAM	No	
235	WB/S/SEN		

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
1	A&N/N/SAD	NO								
2	A&N/S/CUT	NP	Yes	Turtles (Hatchery for the eggs)	Permanent hatchery	Depending on clutch size	Wild	To be released back to the sea	All the hatchlings	Continuously since 1997
3	A&N/S/INT	NO								
4	AP/N/KAS	NP	No							
5	AP/N/MAH	NP	No							
6	AP/N/MRU	NP								
7	AP/N/VEN	NP	No							
8	AP/S/COR	NO	No							
9	AP/S/ETU	NO	No							
10	AP/S/GUN	NP	No							
11	AP/S/KAW	NO	Yes	Spotted deer	1984	20			So far not released	
	AP/S/KAW			Chowsingha	1998	3				
	AP/S/KAW			Nelgai	1998	4				
12	AP/S/KOL	NO	No							
13	AP/S/KOU	NP								
14	AP/S/KRI	NP	No							
15	AP/S/MAN	NO	No							
16	AP/S/NEL	NO								
17	AP/S/PAK	YES	No							
18	AP/S/PAP	NO								
19	AP/S/POC	YES	Yes	Nilgai	1997	2	Zoo	Still kept in captivity		
	AP/S/POC			Spotted Deer - Axis axis	1992	9	Zoo	Still kept in captivity		
	AP/S/POC			Black Buck	1997	2	Zoo	Still kept in captivity		

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
	AP/S/POC			Four horned antelope	1998	1	Wild	Still kept in captivity		
20	AP/S/PRA	NO								
21	AP/S/PUL	NO	No							
22	AP/S/SIW	NO	NA							
23	ARU/N/MOU	NP								
24	ARU/N/NAM	NO	No							
25	ARU/S/DER	NO	No							
26	ARU/S/KAM	NP								
27	ARU/S/MEH	NO	Yes	Hispid Hare	1997	50	Zoo	By natural mating	35	1998
	ARU/S/MEH			Sambar	1996	2	Zoo	By natural mating	2	1998
	ARU/S/MEH			langur	1998	6	Zoo	By natural mating	6	1999
28	ARU/S/YOR	NP	No							
29	ASS/N/DIB	NP	No							
30	ASS/N/KAZ	NP	No							
31	ASS/N/MAN	NP	Yes	Pigmy Hog						
32	ASS/N/ORA	NP	No							
33	ASS/S/BAR	NP	No							
34	ASS/S/DIP	NP								
35	ASS/S/GIB	NP	No							
36	ASS/S/LAO	NP	No							
37	ASS/S/PAN	NP	No							
38	ASS/S/POB	NP	No							
39	ASS/S/SON	NP	No							
40	BIH/S/RAJ	NO								
41	CHD/S/SUK	YES	Yes	Spotted deer			Zoo	To adapt to the climatic conditions and to release in the sanctuary	18	1989 & 200

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
	CHD/S/SUK									
42	CHT/N/IND	NO	No	Black Buck	1999		Wild	To adapt to the climatic conditions and to release in the sanctuary	0	nil
43	CHT/N/KAN	YES								
44	CHT/S/ACH	NO								
45	CHT/S/BAD	NO	No							
46	CHT/S/BAG	NO	No							
47	CHT/S/BAR	NO	No							
48	CHT/S/BHA	NO	No							
49	CHT/S/PAM	NO								
50	CHT/S/SIT	NO	No							
51	CHT/S/TAM	NO	No							
52	CHT/S/UDA	NO	No							
53	DEL/S/ASO	NP	No							
54	GOA/S/CHO	NP	No							
55	GUJ/N/BAN	NO	No							
56	GUJ/S/PUR	NP	No							
57	GUJ/S/WIL	NP	No							
58	HAR/N/SUL	NO	No							
59	HAR/S/ABU	NP	Yes	Bonnet monkey				Couple is kept in captivity		
	HAR/S/ABU			Indian Fox	1998	1	Zoo			
60	HAR/S/BHIN	NP	No							
61	HAR/S/BIRB	NP	NA							
62	HAR/S/BIRS	NP								
63	HAR/S/CHIL	NP	No							

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
89	KAR/N/KUD	NP	No							
90	KAR/N/NAG	NP	No							
91	KAR/S/ADI	NO								
92	KAR/S/ARA	NP								
93	KAR/S/BHA	NO	No							
94	KAR/S/BRA	NO								
95	KAR/S/DAN	NO								
96	KAR/S/DOR	NP								
97	KAR/S/GHA	NO	No							
98	KAR/S/GUD	NP								
99	KAR/S/KAV	NP								
100	KAR/S/MEL	NO	No							
101	KAR/S/MOO	NO	No							
102	KAR/S/NUG	NO	No							
103	KAR/S/PUS	NP	No							
104	KAR/S/RANE	NO	No							
105	KAR/S/RANG	NO								
106	KAR/S/SHA	NO								
107	KAR/S/SHE	NO	Yes	Tiger - Panthera tigris	1991	2	Wild		Not released	
	KAR/S/SHE			Tiger - Panthera tigris	1993	1	Safari		Not released	
	KAR/S/SHE			Tiger - Panthera tigris	1995	3	Safari		Not released	
	KAR/S/SHE			Tiger - Panthera tigris	1997	4	Safari		Not released	
	KAR/S/SHE			Tiger - Panthera tigris	1998	3	Safari		Not released	
	KAR/S/SHE			Lion	1996	2	Safari		Not released	
	KAR/S/SHE			Lion	1993 & 95	1	Safari		Not released	
108	KAR/S/SOM	NO	No							
109	KAR/S/TAL	NP	No							
110	KER/N/ERA	NP	No							

Table 1.11: Fauna Breeding in the PA

New Data 1998-01										
Sno	PA code	Have animals been bred in captivity in the PA		Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
		Old data-1984-87	New Data 1998-01							
111	KER/S/CHIN	NO								
112	KER/S/WAY	NO	No							
113	MAH/N/AND	NP	Yes	Marsh Crocodile	1977	434	Wild	Rearing them for introduction	206	1984 to 1996
114	MAH/N/NAV	NP	No							
115	MAH/N/PEN	NO	No							
116	MAH/N/SAN	NO	No							
117	MAH/S/AMB	NP								
118	MAH/S/ANR	NP	No							
119	MAH/S/BHA	NP								
120	MAH/S/BOR	YES	No							
121	MAH/S/CHA	NP								
122	MAH/S/GAU	NP	No							
123	MAH/S/GYA	NP	No							
124	MAH/S/JAI	NP	No							
125	MAH/S/KAL	NO	No							
126	MAH/S/KAR	NO	No							
127	MAH/S/KAT	NP	No							
128	MAH/S/MAL	NO	No							
129	MAH/S/NAG	NO	No							
130	MAH/S/NAI	NP	No							
131	MAH/S/NAR	NP	No							
132	MAH/S/PAI	NP								
133	MAH/S/RAD	NO	No							
134	MAH/S/SAG	NP	Yes	Sambhar	1980-89	8	Zoo	Establishment in local area	17	1989
	MAH/S/SAG			Axis axis(Chital)	1980-89	15	Zoo	Establishmen in local area	50	1989

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
	MAH/S/SAG			Antelope cervicapra	1980-89	12	Zoo	Establishment in local area	46	1989
	MAH/S/SAG			Muntiacus muntjack	1980-89	3	Zoo	Establishment in local area		1989
135	MAH/S/TIP	NP	No							
136	MAH/S/WAN	NP	No							
137	MAH/S/YAW	NO	No							
138	MAH/S/YED	NP	No							
139	MAN/N/KEI	NO	No							
140	MEG/N/BAL	NP	Yes	Indian elephant	1982	1	Seizure	Pending court order		
	MEG/N/BAL			Elephant	1996	1	Born in captivity	Departmental asset		
141	MEG/N/NOK	NP	No							
142	MEG/S/BAG	NP								
143	MEG/S/NON	NO	No							
144	MEG/S/SIJ	NO	No							
145	MIZ/N/MUR	NP								
146	MIZ/N/PHA	NP	No							
147	MIZ/S/DAM	NO	No							
148	MIZ/S/KHA	NP	No							
149	MIZ/S/LEN	NP	No							
150	MIZ/S/NGE	NP	No							
151	MP/N/BAN	NO								
152	MP/N/GHU	NP	No							
153	MP/N/PEN	NO	No							
154	MP/N/SAT	NO	No							
155	MP/N/VAN	NO	Yes	Tiger						
	MP/N/VAN			Leopard						

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
	MP/N/VAN			Lion						
	MP/N/VAN			Spotted Deer						
	MP/N/VAN			Black-Buck						
	MP/N/VAN			Sambhar						
	MP/N/VAN			Nilgai						
156	MP/S/GAN	NO								
157	MP/S/KAR	NO								
158	MP/S/KHE	NO	No							
159	MP/S/KUN	NP	No							
160	MP/S/NAR	NO	No							
161	MP/S/NAT	YES								
162	MP/S/NOR	NP	No							
163	MP/S/PEN	NO	No							
164	MP/S/RAL	NO	Yes	Chital, Black Buck	1999	3	Zoo			1999
165	MP/S/RAL			Nilgri gai (Blue Bull)	2000	2	Zoo			1999
166	MP/S/SAI	NO	No							
167	MP/S/SAN	NO	No							
168	MP/S/SAR	NP	No							
169	NAG/N/INT	NO								
170	NAG/S/FAK	NP	No							
171	NAG/S/PUL	NP	No							
172	NAG/S/RAN	NP								
173	ORI/S/BAD	NP	No							
174	ORI/S/BAI	NO	No							
175	ORI/S/BAL	NP	No							
176	ORI/S/CHA	NO	No							
177	ORI/S/CHI	NP	Yes	Indian purple moorhen	Every year	Not counted	wild	Residential birds	All	Every year
178	ORI/S/DEB	NP								

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA	New Data 1998-01								
			Old data- 1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
179	ORI/S/HAD	NO	No								
180	ORI/S/KHA	NP	No								
181	ORI/S/KOT	NP	No								
182	ORI/S/LAK	NP	No								
183	ORI/S/SUN	NP									
184	PUN/S/ABO	NP									
185	PUN/S/AIS	NP	No								
186	PUN/S/BHA	NP	No								
187	PUN/S/BHU	NP	No								
188	PUN/S/DOS	NP	No								
189	PUN/S/GUR	NP	No								
190	PUN/S/HAR	NP									
191	PUN/S/MAH	NP									
192	PUN/S/MOT	NP									
193	PUN/S/TAK	NP									
194	RAJ/N/DES	NP	No								
195	RAJ/S/JAM	NO	No								
196	RAJ/S/NAH	NO	No								
197	RAJ/S/TAL	NO	No								
198	SIK/N/KHA	YES	No								
199	SIK/S/BAR	NP									
200	SIK/S/KYON	NP	No								
201	SIK/S/SHIN	NP	No								
202	TN/N/GUL	NP	No								
203	TN/N/IND	NP	Yes	Crocodile	Since 1980	Approx 1000	Rivers	Due to decrease in population in one river during 1970s.	300		1980-2000

Table 1.11: Fauna Breeding in the PA

Sno	PA code	Have animals been bred in captivity in the PA		New Data 1998-01						
		Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released
	TN/N/IND	NP		Elephant	Since 1955	Approx 30	Wild and capture	For departmental tasks		
204	TN/N/MUD	NP	Yes	Elephant		28	Wild	Timber extraction and tourism		
205	TN/N/MUK	NP	No							
206	TN/S/CHI	NP								
207	TN/S/GRI	NP	No							
208	TN/S/KAN	NP								
209	TN/S/KARA	NP								
210	TN/S/KARI	NP	No							
211	TN/S/KOO	NP	No							
212	TN/S/MEL	NP								
213	TN/S/POIN	NO	No							
214	TN/S/PUL	NO	No							
215	TN/S/UDA	NP	No							
216	TN/S/VAD	NP	No							
217	TN/S/VALL	NP								
218	TN/S/VED	NO	No							
219	TN/S/VELL	NP	No							
220	TN/S/VET	NP	No							
221	TRI/S/GUM	NP	No							
222	TRI/S/TRI	NP								
223	UP/S/CHA	NO								
224	UTT/N/COR	NO	No							
225	UTT/S/BIN	NP	No							
226	UTT/S/KED	YES	Yes	Musk Deer	1982-83	42	wild	For reintroduction		
227	WB/N/GOR	NP	No							
228	WB/S/BAL	YES	No							

Table 1.11: Fauna Breeding in the PA

Sno		PA code	Have animals been bred in captivity in the PA		New Data 1998-01							
			Old data-1984-87	New Data 1998-01	Species bred in captivity	Years when bred	Numbers bred	Breeding source	Reason for captive breeding	Numbers released in the wild	Years when released	
229		WB/S/BET	NO	Yes	Chital(Axis axis)	Since 1969		Zoo	As a stock for reintroduction elsewhere	72	1991to1998	
230		WB/S/BIB	NO	No								
231		WB/S/HAL	NO	No								
232		WB/S/LOT	NO	No								
233		WB/S/RAI	NO	No								
		WB/S/RAM	YES	Yes	Deer	1996-97	06	Natural	Due to adequate natural and supplied food			
		WB/S/RAM			Deer	1997-98	10	Natural	Due to adequate natural and supplied food			
		WB/S/RAM			Deer	1998-99	01	Natural	Due to adequate natural and supplied food			
234		WB/S/SEN	NP									

Table 1.12: Floral Species of Special Interest in the PA

		Are there any floral species of special interest found in the PA		New data 1998-01		
Sno	PA code	Old data 1984-87	New data 1998-01	Species	Significance	Status
1	A&N/N/SAD		Yes	Garjan (Dipterocarpus costatus)	The height of the tree is hardly 3-4 mtr. and BHG is 57 cm or less than that at the summit	increasing
2	A&N/S/CUT	NP	Yes	Poon	protects the coast from erosion	declining
3	A&N/S/INT	NO	Yes	Burma Bet (cane) Calamus spp.	Other commercial value	
4	AP/N/VEN	NP	Yes	Cycas beddomei	Found only in this PA	Unknown
	AP/N/VEN			Pterocarpus santalinus	Foreign export. Medicinal value	Unknown
5	AP/S/GUN	NP	Yes	Oryza gramulata (Rio)	Wild relative of cultivated plant	stable
	AP/S/GUN			Oryza sativa (rice)	Wild relative of cultivated plant	stable
	AP/S/GUN			Athyrium hohanaciterianum	Found only in this PA	stable
	AP/S/GUN			Pueraria tuberora	Found only in this PA	stable
	AP/S/GUN			Waravelia zeylanita	Found only in this PA	stable
6	AP/S/KAW	NO	Yes	Tapsi-Sterculia urens	Its gum is extracted by the local villages. It is being used as a MFP and timber	Declining increasingly
7	AP/S/KOL	NO	Yes	Phramites karkatin	Other commercial value	Declining
	AP/S/KOL			Abutilon asiaticum, Acalypha indica	Medicinal value	Declining
	AP/S/KOL			Achyranthus aspera	Medicinal value	Declining
	AP/S/KOL			Aerva lanata	Medicinal value	Declining
	AP/S/KOL			Azadirachta indica	Medicinal value	Declining
	AP/S/KOL			Boerhavia diffusa, Calotropis gigantea, Cassia occidentalis, Centalla asiatica	Medicinal value	Declining
	AP/S/KOL			Tectona grandis, Cretiva adamsoni, Croton bonplandianum, Cynodon dactylon	Medicinal value	Declining
	AP/S/KOL			Eucalyptus alba, Datura innoxia, Leptadenia reticulata, Nelumbium sp., Leucas aspera	Medicinal value	Declining
	AP/S/KOL			Nymphaea nouchali, Peroullaria daemia, Phyllanthus asperulatus	Medicinal value	Declining
	AP/S/KOL			Tephrosea purpurea, Withammia somnifera, Traquia cannabina, Sida acuta	Medicinal value	Declining
	AP/S/KOL			Kikkisa	Commercial value	Increasing
8	AP/S/MAN	YES	Yes	Ipomea	Not used	Abundant
9	AP/S/PAP	NO	Yes	Racha, Yerrakarow	Other commercial value	No change
10	AP/S/PRA	NO	Yes	Strichnos nux-vomica (Visha musti in Telugu)	It is a medicinal plant, used for arthritis joint pains	Declining
11	AP/S/SIW	NO	Yes	Strichnos nux-vomica	Oil obtained from seeds will be used as pain killer for Rheumatoid pains etc	Declining
12	ARU/N/MOU	NP	Yes	Taxus baccata	Medicinal value	Stable
	ARU/N/MOU			Bulbophyllum	Orchids (A new Records)	Stable
13	ARU/N/NAM	NO	Yes	Blue Vanda	Rare	Unknown
	ARU/N/NAM			Mishmi teeta	Medicinal	

Table 1.12: Floral Species of Special Interest in the PA

Sno	PA code	Are there any floral species of special interest found in the PA		New data 1998-01		
		Old data 1984-87	New data 1998-01	Species	Significance	Status
14	ARU/S/DER	NP	Yes	Kydia glabrescena, Talamna hodgsonii, Dipteris wallichii, Tacca leavis	Endemic to North Eastern region	Unknown
15	ARU/S/MEH		Yes	Coptis teeta- Mishmi teeta	Medicinal Value	Declining
	ARU/S/MEH			Taxus baccata	Commercial Value	Declining
	ARU/S/MEH			Black Ginger	Commercial Value	Declining
16	ARU/S/YOR	NP	Yes	Coptis teeta	Medicinal Value	Unknown
17	ASS/N/DIB	NP	Yes	Salix tetrasperna	Making sports goods	Stable
	ASS/N/DIB			Aredes	Orchid spp.	Stable
	ASS/N/DIB			Multifloram	Orchid spp.	Stable
	ASS/N/DIB			Dendrobium spp.	Orchid spp.	Stable
	ASS/N/DIB			Rinchostylis	Orchid spp.	Stable
	ASS/N/DIB			Folidata articulata	Orchid spp.	Stable
	ASS/N/DIB			Folidata ampricata	Cymbidium spp.	
18	ASS/N/KAZ	NP	Yes	Sarpagandha (Rauvolfia serpentina)	Medicinal value	
	ASS/N/KAZ			Baska (Adhatoda vasica)	Medicinal value	
	ASS/N/KAZ			Gnetum	Endemic	
19	ASS/S/SON	NP	Yes	Bohera, Silikha		
	ASS/S/SON			Bonsum ontanga		Stable
	ASS/S/SON			Phoebe	Useful	Stable
	ASS/S/SON			Bola (Morus laugata)	timber	Stable
	ASS/S/SON			Titasopa (Michelia champaca)		Stable
	ASS/S/SON			Nahor (Mesua afrerica)		
	ASS/S/SON			Mekahi (Phoebe)	Nesting tree	
	ASS/S/SON			Ajar, Urium	Roosting	
	ASS/S/SON			Belan	Nesting tree	
	ASS/S/SON			Cane, Bamboo	Food	Stable
20	BIH/S/RAJ		Yes	Hibiscus inicanthis	medicinal	Stable
21	CHD/S/SUK		Yes	Khair (Acacia catechu)	Found only in this PA, Wild relative of cultivated plant, Medicinal value, Other commercial value	Decline
	CHD/S/SUK			Shisham (Dalbergia sissoo)	Found only in this PA, Wild relative of cultivated plant.	Stable
22	CHT/N/KAN	YES	Yes	Alligia orodoratissima (Locally called Kiding in Hindi)	Localised distribution	Stable
23	CHT/S/TAM		Yes	Madhuca indica	Commercial Value	Increasing
	CHT/S/TAM			Helicterea isora	Medicinal Value	Stable
	CHT/S/TAM			Embelia	Medicinal value	Stable
	CHT/S/TAM			Andrographis paniculate	Medicinal value	Declining
	CHT/S/TAM			Asparagus rocmosus	Medicinal value	Declining
	CHT/S/TAM			Cissampelos pareiramen	Medicinal value	Stable
24	DEL/S/ASO	NP	Yes	Anogeissus pendula (Dhok)	Cultural importance & natural vegetation of Aravalli Range	Stable
	DEL/S/ASO	NP	Yes	Butea monosperma (Dhak)	Cultural importance & natural vegetation of Aravalli Range	Stable
	DEL/S/ASO			Acacia senegal (Dhak)	Cultural importance & natural vegetation of Aravalli Range	Stable

Table 1.12: Floral Species of Special Interest in the PA

Sno	PA code	Are there any floral species of special interest found in the PA		New data 1998-01		
		Old data 1984-87	New data 1998-01	Species	Significance	Status
25	GOA/S/CHO	NP	Yes	Sonneratia casiolearis	Found rarely	Stable
26	HAR/N/SUL	YES	Yes	Saceharumja sarkandu		
	HAR/N/SUL			Acacia nilotica		
	HAR/N/SUL			Albizzia lebbek		
	HAR/N/SUL			Neem-Azadirachta indica	Medicinal value	
27	HAR/S/BHIN	NP	Yes	Kikar	For breeding	
28	HAR/S/BIRB	NP	Yes	Eucalyptus(Safeda)	For Pulp wood and commercial value	Decline
	HAR/S/BIRB			Kikkar	Commercial value	Decline
	HAR/S/BIRB			Neem	Medicinal value	Decline
	HAR/S/BIRB			Sisham	Commercial Value	Decline
29	HAR/S/BIRS	NP	Yes	Eucalyptus		
	HAR/S/BIRS			Bari Khair		
	HAR/S/BIRS			Amaltas		
	HAR/S/BIRS			Teek		
30	HAR/S/KAL	NP	Yes	Sal		
	HAR/S/KAL			Shain		
	HAR/S/KAL			Awaler		
	HAR/S/KAL			Khai		
	HAR/S/KAL			Crenda		
	HAR/S/KAL			Jamun		
	HAR/S/KAL			Puhri		
	HAR/S/KAL			Beri		
	HAR/S/KAL			Rami		
	HAR/S/KAL			Safeda		
31	HAR/S/NAH	NP	Yes	Kikar	For Protection & Shelter	
32	HP/S/GAM	NO	Yes	Salam Panja	Medicinal value	Declining but due to
	HP/S/GAM	NO	Yes	Taxus baccata	Medicinal Value	Declining but due to
33	HP/S/KUG		Yes	Kara	Medicinal value	Stable
	HP/S/KUG			Patish	Medicinal value	Stable
	HP/S/KUG			Mushk Bala	Medicinal value	Stable
	HP/S/KUG			Saalam Panja	Medicinal value	Stable
	HP/S/KUG			Saalam Mishri	Medicinal value	stable
	HP/S/KUG			Dhup	Other commercial value	Stable
34	HP/S/NAR		Yes	Deodar	It is a very valuable timber for building construction	Stable
35	HP/S/SHI		Yes	Deodar	It is a very valuable timber for building construction	Stable
36	HP/S/TUN	NO	Yes	Karu	Medicinal value	Stable
	HP/S/TUN			Dhup	Other commercial value	Stable
	HP/S/TUN			Mushkbala	Medicinal value	Stable
	HP/S/TUN			Patish	Medicinal value	Stable
	HP/S/TUN			Saalam panja	Medicinal value	Stable
	HP/S/TUN			Saalam mishri	Medicinal value	Stable
37	J&K/N/KIS	YES	Yes	Pinus roxburghii		
	J&K/N/KIS			Chilgoza	Only found in leis hwan NP area	Declining
38	J&K/S/OVE		Yes	Kins (Dioscorea deltoidea)		Declining
39	KAR/N/ANS	NP	Yes	Anteda scandelensis		Unknown
	KAR/N/ANS			Woodfordia fruticosa	Medicinal value	Unknown
40	KAR/N/KUD	NP	Yes	Balgi - Poeciloneuron indicum	Found only at Bagacra in the valley	Stable
41	KAR/S/DAN		Yes	Karimuttal-Ougeinia dalbergiodes	Commercial value	Decreasing

Table 1.12: Floral Species of Special Interest in the PA

		Are there any floral species of special interest found in the PA		New data 1998-01		
Sno	PA code	Old data 1984-87	New data 1998-01	Species	Significance	Status
	KAR/S/DAN			Dhataki-Woodfordia fruticosa	Medicinal value	Unknown
42	KAR/S/GUD	NP	Yes	Acacia and Fruit yielding seedlings		Stable
43	KAR/S/MEL	NO	Yes	Cycas fireinalis	Rare species - The only gymnosperm to be found in the dry Scrub Forest	Stable
44	KAR/S/SHA	NO	Yes	Acacia (Plantation)		Stable
45	KER/N/ERA	YES	Yes	Brachyeorythi mighlii	Found only in this PA	Increasing
	KER/N/ERA			Nulakriyi (Phlebopyllum)	Cultural importance	Increasing
46	KER/S/CHIN		Yes	Sandal (Santalm album)	Commercial	Stable
47	MAH/N/AND	NP	Yes	Khanduchaka	Medicinal value	Stable
48	MAH/N/SAN	NP	Yes	Teak	Wildlife Significance	
	MAH/N/SAN			Khair	Wildlife Significance	
	MAH/N/SAN			Aasana	Wildlife Significance	
	MAH/N/SAN			Rudraksha	Wildlife Significance	
49	MAH/S/AMB	NP	Yes	Dalbergia latifolia	Rare timber species	Stable
50	MAH/S/ANR	NP	Yes	Safed Musali	Medicinal value	Declining
51	MAH/S/CHA	NP	Yes	Jungli Bhendi (Urena lobata)	Wild variety found in this PA	Unknown
	MAH/S/CHA			Junglee Teel (Sesamum orientalis)	Wild variety found in this PA	Unknown
	MAH/S/CHA			Jungli Haldi (Curcuma species)	Wild variety found in this PA	Unknown
52	MAH/S/GAU	NP	Yes	Safed Musali	Medicinal value	Declining
53	MAH/S/GYA		Yes	Anjan (Hardwickia bionata)		Increasing
54	MAH/S/KAL		Yes	Hirda	Commercial & Medicinal value	Stable
	MAH/S/KAL			Beheda	Medicinal & Commercial value, Commercial	Stable
	MAH/S/KAL			Navding	Medicinal & Commercial value, Commercial	Stable
55	MAH/S/KAT	NP	Yes	Alectra parasitica	These are found as root parasite on plants of Vitex negundo & these have been recorded for the first time in India.	Unknown
	MAH/S/KAT			Alectra thomsonii	These are found as root parasite on plants of Vitex negundo & these have been recorded for the first time in India.	Unknown
56	MAH/S/SAG	NP	Yes	Santalum album (Chandan)	Naturally found	Increasing
57	MAH/S/WAN	NP	Yes	Safed Musali	High medicinal value	Decline
58	MAN/N/KEI	YES	Yes	Ishing Kambong (Zizania latifolia)	Favourite food of Sangai, found only in this P.A.	Believed to be declining
59	MEG/N/BAL	NP	Yes	Pitcher Plant	Insectivorous plant	Stable
	MEG/N/BAL			Dosera	Insectivorous plant found only in PA	Stable
	MEG/N/BAL			Agar	Commercial (perfume)	Stable
	MEG/N/BAL			Paphiopedilum spp.	Commercial and rare	Stable
60	MEG/N/NOK	NP	Yes	Citrus indica	Form a citrus gene pool. Citrus indica is the most primitive plant of its kind and perhaps the progenitor of cultivated citrus materials	Unknown

Table 1.12: Floral Species of Special Interest in the PA

		Are there any floral species of special interest found in the PA		New data 1998-01		
Sno	PA code	Old data 1984-87	New data 1998-01	Species	Significance	Status
61	MEG/S/BAG	NP	Yes	Pitcher Plant	Insectivorous Plant	Stable
	MEG/S/BAG			Agar	Commercial(Perfume)	Stable
62	MEG/S/SIJ		Yes	Pitcher Plant	Insectivorous plant	Stable
	MEG/S/SIJ			Drosera	Insectivorous plant	Stable
	MEG/S/SIJ			Agar	Commercial (Perfume)	Stable
	MEG/S/SIJ			Paphiopedilum spp.(Ladies' slipper orchids)	Paphiopedilum spp.	Stable
63	MIZ/N/MUR	NP	Yes	Ladys Slipper orchids	Other commercial value	Unknown
64	MIZ/N/PHA	NP	Yes	Rhododendron spp.	Found only in this PA	Stable
				(Blue Vanda)-Vanda coerulea	Endangered and Commercial Value	Stable
65	MIZ/S/DAM	NO	Yes	Ladys Slipper orchids	Other commercial value	Unknown
66	MIZ/S/LEN	NP	Yes	Ladys Slipper orchids	Other commercial value	Unknown
67	MP/N/SAT	YES	Yes	Psilotum	Found only in this PA	Declining
	MP/N/SAT			Cyathea gignater	Found only in this PA	Declining
	MP/N/SAT			Cyathea spmlasa	Found only in this PA	Declining
	MP/N/SAT			Lycopodium	Found only in this PA	Declining
	MP/N/SAT			Drosera burmanii	Found only in this PA	Declining
68	MP/S/GAN		Yes	Dhawara	Other Commercial Value	Declining
	MP/S/GAN			Soya	Other Commercial Value	Unknown
	MP/S/GAN			Kullar	Other commercial value	Unknown
	MP/S/GAN			Khair	Found only in the PA	Declining
	MP/S/GAN			Ameula	Medicinal Value	Stable
	MP/S/GAN			Bahera	Medicinal Value	Stable
69	MP/S/NOR	NP	Yes	Aegle marmelos	Commercial Value	Declining
	MP/S/NOR			Casearia graveolens-Gilchi	Commercial Value	Stable
	MP/S/NOR			Embelica officinalis	Commercial Value	Declining
	MP/S/NOR			Terminalia arjuna-Koha	Medicinal value	Stable
				Chlorophytum arundinaleam (Safed musali)	Medicinal value	Declining
70	MP/S/SAN		Yes	Curculigo orchisdes (kali musali)	Medicinal Value	Declining
	MP/S/SAN			Adiantum lenulatum	Medicinal value	Declining
	MP/S/SAN			Costos species (keli kand)	Medicinal value	Declining
71	NAG/S/PUL	NP	Yes	Rhododendron	Cultural importance	Stable
	NAG/S/PUL	NP	Yes	Ghinseng	Medicinal value	Declining
72	ORI/S/BAD	NP	Yes	Sal	Other commercial value	Increasing
	ORI/S/BAD			Mahul	Wild relative of cultivated plant having commercial value	Increasing
	ORI/S/BAD			Kendu	Wild relative of cultivated plant having commercial value	Increasing
73	ORI/S/BAI	YES	Yes	Diospyros melanoxylon	Fruit of wild animals	Declining
	ORI/S/BAI			Terminalia chebula	Fruit of wild animals	Stable
	ORI/S/BAI			Terminalia bellerica	Fruit of wild animals	Stable
	ORI/S/BAI			Emblca officinalis	Fruit of wild animals	Stable
74	ORI/S/BAL	NP	Yes	Bhoja pattra	Medicinal and cultural importance	Unknown
					Rare species,grows in moist sites,sign of post climax in dry dedicious forest.	Declining
75	ORI/S/HAD	YES	Yes	Ashoka(Saraca indica)	Commercial Value	Increasing
76	ORI/S/LAK	NP	Yes	Sal(Shorea robusta)	Fodder	
82	PUN/S/HAR		Yes	Elephant grass		

Table 1.12: Floral Species of Special Interest in the PA

		Are there any floral species of special interest found in the PA		New data 1998-01		
Sno	PA code	Old data 1984-87	New data 1998-01	Species	Significance	Status
	PUN/S/HAR			Lemon grass	Medicinal value	
	PUN/S/HAR			Hydrilla	Food	
	PUN/S/HAR			Vallisneria and Algae (Spirogyra spp.)		
83	RAJ/S/JAM	YES	Yes	Azadirachta indica (Neem)	Medicinal value	Declining
	RAJ/S/JAM			Ficus bengalensis (Bar)	Cultural Important	Declining
	RAJ/S/JAM			Ficus religiosa (Pipal)	Cultural Important	Declining
	RAJ/S/JAM			Acacia catechu (Khair)	Commercial value	Declining
	RAJ/S/JAM			Sterculia urens	Medicinal value	Declining
	RAJ/S/JAM			Barlaria prionitis (Bajardanti)	Medicinal value	Declining
84	RAJ/S/NAH	YES	Yes	Bud (Ficus bengalensis)	Cultural and religious importance	Declining
	RAJ/S/NAH			Pipal (Ficus religiosa)	Cultural and religious importance	Declining
	RAJ/S/NAH			Acacia catechu (Khair)	Commercial value	Declining
	RAJ/S/NAH			Azadirachta indica (Neem)	Medicinal value	Declining
85	SIK/N/KHA	YES	Yes	Rubars	Root used for medicinal purpose	Declining
	SIK/N/KHA			Juniper	Used in incense	Stable
	SIK/N/KHA			Rhododendron spp.	Used in incense	Declining
	SIK/N/KHA			Kutki (Picrorhiza kurroa)	Roots for medicine	Declining
86	SIK/S/KYON	NP	Yes	Medicinal plants	Medicinal value	Unknown
87	SIK/S/SHIN	NP	Yes	Pinguicula	Found only in this PA	Declining
	SIK/S/SHIN			Rhododendron neivium	State tree (only found in this sanctuary)	Declining
88	TN/N/GUL	NP	Yes	Pemphis acidula	Endemic	Stable
89	TN/N/MUD	NP	Yes	Bonbedagou	Important for Malabar gaint squirrel. Staple food of tribals	Stable
	TN/N/MUD			Turmeric	Source of medicine	
	TN/N/MUD			Ginger	Source of medicine	
90	TN/N/MUK	NP	Yes	Orchids	Found only in the P.A.	Stable
	TN/N/MUK			Vanda		
	TN/N/MUK			Globalossa		
91	TN/S/PUL		Yes	Avicennia officinalis		
92	TN/S/VED		Yes	Atalancia monophila	Evergreen species	Stable
	TN/S/VED			Buchanania	Evergreen species	Stable
93	TN/S/VET	NP	Yes	Babul	Birds are seen to use Babul trees extensively for nesting ignoring other trees	Declining (Supplemen
94	TRI/S/GUM	NP	Yes	Ficus spp.	As food sources for avifauna, primates and other wildlife	Stable
	TRI/S/GUM			Albizia, Bamboo spp.		
95	TRI/S/TRI		Yes			
	TRI/S/TRI			Acacia chaplasi		Stable
	TRI/S/TRI			Terminalia bellerica		Stable
	TRI/S/TRI			Shorea robusta		Stable
	TRI/S/TRI			Sterculia villosa		Stable
	TRI/S/TRI			Duabanga gradiflora		Stable
96	UTT/S/BIN	NP	Yes	Oak	OTH- Pristine groves provide shelter to animals, help in storing water. Binsar is the only area with predominantly oak forests	Pineforest is said to be taking over oak
97	UTT/S/KED	YES	Yes	Taxus baccata	Medicinal value	stable

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Sno	PA code	Are there any floral species of special interest found in the PA		New data 1998-01		
		Old data 1984-87	New data 1998-01	Species	Significance	Status
98	WB/S/RAI	NP	Yes	Hizal(Barringtonia acutangula)	It can survive in waterlogged area. Root more developed than shoot. The length of root is three times more than the length of shoot	Declining

Table 1.13: Deliberate Introduction of Floral Species into PAs

Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998 01	Species introduced	Year of introduction	Current Status
1	A&N/N/SAD	NO	No			
2	A&N/S/CUT	NP	Yes	Casuarina	Over 10 years ago	Stable
3	A&N/S/INT	NO	No			
4	AP/N/KAS	NP	No			
5	AP/N/MAH	NP	No			
6	AP/N/MRU	NP	No			
7	AP/N/VEN	NP	No			
8	AP/S/COR	NP	No			
9	AP/S/ETU	YES	Yes	Eucalyptus	1977	These have failed after 1st rotation. Weeds have invaded the area at present.
10	AP/S/GUN	NP	No			
11	AP/S/KAW	NO	No			
12	AP/S/KOL	NO	No			
13	AP/S/KOU	NP	No			
14	AP/S/KRI	NP				
15	AP/S/MAN	NO	No			
16	AP/S/NEL	YES	Yes	Red Sanders	1990	Increasing
	AP/S/NEL			Mahua	1996	Increasing
	AP/S/NEL			Terminalia	1996	Increasing
	AP/S/NEL			Babul	1986	Increasing
17	AP/S/PAK	YES	Yes	Eucalyptus	1985-87	Stable
	AP/S/PAK			Eucalyptus	1986-89	Stable
	AP/S/PAK			Eucalyptus	1988-89	Stable
	AP/S/PAK			Eucalyptus	1989-90	Stable
18	AP/S/PAP	NO	No			
19	AP/S/POC	YES	No			
20	AP/S/PRA	NO	Yes	Eucalyptus	1975 onwards	Declining
21	AP/S/PUL	NO	No			
22	AP/S/SIW	NO	NA			
23	ARU/N/MOU	NP	No			
24	ARU/N/NAM	NO	No			
25	ARU/S/DER	NO	Yes	Simul (Bombax ceiba), Koroï (Albizia procera)	1988-89	Most of the plantations have failed due to flood and fire
	ARU/S/DER			Gamari (Gmelina arborea), Sissoo (Dalbergia sisso)	1990-91	Most of the plantations have failed due to flood and fire
	ARU/S/DER			Fruit plants	1990-91	Most of the plantations have failed due to flood and fire
	ARU/S/DER			Fuel wood and Fodder	1996-97	Most of the plantations have failed due to flood and fire
26	ARU/S/KAM	NP	No			

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Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998-01	Species introduced	Year of introduction	Current Status
27	ARU/S/MEH	YES	Yes	Mango - Mangifera indica	1997	Unknown
	ARU/S/MEH			Kathal- Artocarpus integrifolia	1997	Unknown
	ARU/S/MEH			Amlaki- Emblica officinalis	1997	Unknown
	ARU/S/MEH			Jalpai	1997	Unknown
	ARU/S/MEH			Ziziphus Spp. -Baguri	1997	Unknown
28	ARU/S/YOR	NP	No			
29	ASS/N/DIB	NP	No			
30	ASS/N/KAZ	NP	No			
31	ASS/N/MAN	NP	No			
32	ASS/N/ORA	NP	No			
33	ASS/S/BAR	NP	No			
34	ASS/S/DIP	NP				
35	ASS/S/GIB	NP	No			
36	ASS/S/LAO	NP	No			
37	ASS/S/PAN	NP	No			
38	ASS/S/POB	NP	No			
39	ASS/S/SON	NP	No			
40	BIH/S/RAJ	NO	No			
41	CHD/S/SUK	YES	Yes	Eucalyptus		Stable
	CHD/S/SUK			Arjun		Stable
	CHD/S/SUK			Papri		Stable
	CHD/S/SUK			Amla		Stable
	CHD/S/SUK			Behra		Stable
	CHD/S/SUK			Neem		Stable
42	CHT/N/IND	NO	No			
43	CHT/N/KAN	NO	No			
44	CHT/S/ACH	NO	No			
45	CHT/S/BAD	NO	No			
46	CHT/S/BAG	NO	No			
47	CHT/S/BAR	NO	No			
48	CHT/S/BHA	NO	No			
49	CHT/S/PAM	NO				
50	CHT/S/SIT	NO	No			
51	CHT/S/TAM	NO	No			
52	CHT/S/UDA	NO	No			
53	DEL/S/ASO	NP	Yes	Prosopis juliflora (Vilayati Kikar)	1989-90	Increasing
54	GOA/S/CHO	NP	No			
55	GUJ/N/BAN	NO	No			
56	GUJ/S/PUR	NP	No			
57	GUJ/S/WIL	NP	Yes	Prosopis juliflora	1900	Increasing
58	HAR/N/SUL	YES	No			
59	HAR/S/ABU	NP	Yes	Kikar (Acacia nilotica)	50 year ago	Increasing
	HAR/S/ABU			Eucalyptus (safeda)		
60	HAR/S/BHIN	NP	Yes	Eucalyptus teretecornis	1978-79	Stable
61	HAR/S/BIRB	NP	Yes	Eucalyptus(Safeda)	1988-89	Declining
62	HAR/S/BIRS	NP	No			
63	HAR/S/CHIL	NP	Yes	Eucalyptus		Stable
64	HAR/S/KAL	NP	No			
65	HAR/S/KHA	NP	No			
66	HAR/S/NAH	NP	No			

Table 1.13: Deliberate Introduction of Floral Species into PAs

Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998 01	Species introduced	Year of introduction	Current Status
67	HAR/S/SAR	NP	Yes	Eucalyptus hybrid	1960	Stable
68	HP/N/GRE	NO				
69	HP/S/DAR	NO	Yes	Grasses	1990	Stable
	HP/S/DAR			Robinia	1990	Stable
70	HP/S/DHA	NP	No			
71	HP/S/GAM	NO	No			
72	HP/S/KAL	NO	No			
73	HP/S/KUG	NO	Yes	Robinia	Mid 1980s	Stable
	HP/S/KUG	NO		Ailanthus	Mid 1990s	Declining
74	HP/S/LIP	NO	No			
75	HP/S/NAR	NO	No			
76	HP/S/PON	NO	No			
77	HP/S/RUP	NO	Yes	Robinia	1990	Stable
	HP/S/RUP			Red & white clover grass planted in Alpine pastures	1997	Stable
78	HP/S/SAN	NP	No			
79	HP/S/SHI	NO	No			
80	HP/S/TUN	NO	Yes	Robinia	1980s	Stable
	HP/S/TUN			Ailanthus	Mid 1990s	Declining
81	J&K/N/KIS	NO				
82	J&K/S/OVE	NO	No			
83	JHA/N/RAJ	NP				
84	JHA/S/HAZ	YES	No			
85	JHA/S/PAR	NP	No			
86	JHA/S/UDH	NP	No			
87	KAR/N/ANS	NP	Yes	Eucalyptus Hybrid - Neelgiri	1971	Declining
	KAR/N/ANS			Silver Oak-Grevillia robusta	1962	Declining
	KAR/N/ANS			Davabanga senoroides	1976	Stable
88	KAR/N/BAN	NO	No			
89	KAR/N/KUD	NP	No			
90	KAR/N/NAG	NP				
91	KAR/S/ADI	NO	Yes	Eucalyptus territocolins - Nilgiri		Stable
	KAR/S/ADI			Acacia auriculiformis		Stable
92	KAR/S/ARA	NP	No			
93	KAR/S/BHA	NO	No			
94	KAR/S/BRA	NO	No			
95	KAR/S/DAN	NO	Yes	Eucalyptus-Neelgiri	1961	Declining
	KAR/S/DAN			Acacia auriculiformis	1961	Declining
	KAR/S/DAN			Cassoda-Cassia siamea	1961	Declining
	KAR/S/DAN			Santalum album	1961	Declining
	KAR/S/DAN			Lagerstroemia hosregia		Declining
	KAR/S/DAN			Silver Oak-Grevillea robusta	1962	Declining
96	KAR/S/DOR	NP				
97	KAR/S/GHA	NO	No			
98	KAR/S/GUD	NP				
99	KAR/S/KAV	NP				
100	KAR/S/MEL	NO	Yes	Eucalyptus territocolins - Niligiri		Stable
	KAR/S/MEL			Acacia auriculasformis - Acacia		Stable

Table 1.13: Deliberate Introduction of Floral Species into PAs

Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998 01	Species introduced	Year of introduction	Current Status
101	KAR/S/MOO	NO	No			
102	KAR/S/NUG	NO				
103	KAR/S/PUS	NP	No			
104	KAR/S/RANE	NO				
105	KAR/S/RANG	YES	Yes	Bambusa vulgaris - Yellow Bamboo		Stable
106	KAR/S/SHA	NO	No			
107	KAR/S/SHE	YES	Yes	Eucalyptus - Eucalyptus citriodora	Prior to the formation of PA	Stable
	KAR/S/SHE			Acacia - Acacia auriculiformis	1983	Stable
108	KAR/S/SOM	NO	No			
109	KAR/S/TAL	NP	No			
110	KER/N/ERA	NO	No			
111	KER/S/CHIN	YES	No			
112	KER/S/WAY	NO	No			
113	MAH/N/AND	NP	No			
114	MAH/N/NAV	NO	No			
115	MAH/N/PEN	NO	No			
116	MAH/N/SAN	YES	Yes	Peltoferum	1985	Stable
	MAH/N/SAN			Kaju	1985	
117	MAH/S/AMB	NP	No			
118	MAH/S/ANR	NP				
119	MAH/S/BHA	NP				
120	MAH/S/BOR	YES	No			
121	MAH/S/CHA	NP				
122	MAH/S/GAU	NP	No			
123	MAH/S/GYA	NP	No			
124	MAH/S/JAI	NP	No			
125	MAH/S/KAL		No			
126	MAH/S/KAR	YES				
127	MAH/S/KAT	NP	Yes	Azadirachta indica	1994	Stable
	MAH/S/KAT			Dalbergia sisoo	1994	Stable
128	MAH/S/MAL	NP	No			
129	MAH/S/NAG	NO	No			
130	MAH/S/NAI	NP	No			
131	MAH/S/NAR	NP	No			
132	MAH/S/PAI	NP	No			
133	MAH/S/RAD	NO	No			
134	MAH/S/SAG	NP	Yes	Mangifera indica(Mango)	1980-81	Increasing
	MAH/S/SAG			Hardwickia binata(Anjan)	1980-81	Increasing
	MAH/S/SAG			Bauhinia racemosa(Apta)	1980-81	Increasing
	MAH/S/SAG			Emblca officinalis(Avala)	1980-81	Increasing
135	MAH/S/TIP	NP	No			
136	MAH/S/WAN	NP	No			
137	MAH/S/YAW	NO	No			
138	MAH/S/YED	NP	No			
139	MAN/N/KEI	NO	No	Tou (Phragmites karka)	1998	Declining
140	MEG/N/BAL	NP	No			
141	MEG/N/NOK	NP	No			
142	MEG/S/BAG	NP	No			

Table 1.13: Deliberate Introduction of Floral Species into PAs

Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998 01	Species introduced	Year of introduction	Current Status
143	MEG/S/NON	YES	No			
144	MEG/S/SIJ	NO	No			
145	MIZ/N/MUR	NP	Yes	Vegetable Crops		Unknown
146	MIZ/N/PHA	NP	No			
147	MIZ/S/DAM	NO	No			
148	MIZ/S/KHA	NP	Yes	Bischofia	2000	Unknown
	MIZ/S/KHA	NP	Yes	Artocarpus SPP	2000	Unknown
	MIZ/S/KHA	NP		Porpia roxburghi	200	Unknown
149	MIZ/S/LEN	NP	Yes	Bischofia	2000	Unknown
	MIZ/S/LEN			Porpia roxburghii	2000	Unknown
	MIZ/S/LEN			Artocarpus Spp	2000	Unknown
	MIZ/S/LEN			Various Agricultural Crops		
150	MIZ/S/NGE	NP	No			
151	MP/N/BAN	NO	No			
152	MP/N/GHU	NP	No			
153	MP/N/PEN	NO	No			
154	MP/N/SAT	NO	No			
155	MP/N/VAN	NO	Yes	Barseen	1997	Cultivation
156	MP/S/GAN	NO	Yes	Khair	1992-93	Declining
	MP/S/GAN			Desibabool	1992-93	Stable
	MP/S/GAN			Prosopis	1992-93	Increasing
	MP/S/GAN			Sirali	1992-93	Unknown
157	MP/S/KAR					
158	MP/S/KHE	NO	No			
159	MP/S/KUN	NP	No			
160	MP/S/NAR	NO	No			
161	MP/S/NAT	NO				
162	MP/S/NOR	NP	No			
163	MP/S/PEN	NO	No			
164	MP/S/RAL	NP				
165	MP/S/SAI	NO	No			
166	MP/S/SAN	NO	No			
167	MP/S/SAR	NP	No			
168	NAG/N/INT	NO	Yes	Acacia catechu (khair)	Pre 1975	Declining
	NAG/N/INT	YES		Tectona grandis (teak)	Pre 1975 & after	Declining
169	NAG/S/FAK	NP	No			
170	NAG/S/PUL	NP	No			
171	NAG/S/RAN	NP	No			
						The original plantation has gone but coppice shoots are existing
172	ORI/S/BAD	NP	Yes	Teak	1965/66	
173	ORI/S/BAI	NO		Teak	1965	Stable
174	ORI/S/BAL	NP	No			
175	ORI/S/CHA	NO	No			
176	ORI/S/CHI	NP	No			
177	ORI/S/DEB	NP	No			

Table 1.13: Deliberate Introduction of Floral Species into PAs

Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998 01	Species introduced	Year of introduction	Current Status
178	ORI/S/HAD	NO	Yes	Teak(Tectona grandis)	Prior 1971	There is no natural regeneration. The plantations are being destroyed due to illicit felling.
	ORI/S/HAD			Acacia	1994-95	
	ORI/S/HAD			Eucalyptus(Near Sajanpal rehabilitation)	1994-95	
179	ORI/S/KHA	NP	Yes	Teak	1976	Stable
180	ORI/S/KOT	NP	No			
181	ORI/S/LAK	NP	Yes	Teak(Tectona grandis)		Increasing
182	ORI/S/SUN	NP				
183	PUN/S/ABO	NP				
184	PUN/S/AIS	NP	No			
185	PUN/S/BHA	NP	No			
186	PUN/S/BHU	NP	No			
187	PUN/S/DOS	NP	No			
188	PUN/S/GUR	NP	No			
189	PUN/S/HAR	NP				
190	PUN/S/MAH	NP	No			
191	PUN/S/MOT	NP	No			
192	PUN/S/TAK	NP				
193	RAJ/N/DES	NO	Yes	Israeli Babul (Acacia tortalis)	1993-94	Increasing
	RAJ/N/DES			Juiflora (Prosopis juliflora)	1993-94	Increasing
	RAJ/N/DES			Rohira (Tecomella undulata)	1993-94	Stable
	RAJ/N/DES			Ber (Ziziphus nummularia)	1993-94	Stable
194	RAJ/S/JAM	NO	No			
195	RAJ/S/NAH	NO	No			
196	RAJ/S/TAL	YES	No			
197	SIK/N/KHA	NO	No			
198	SIK/S/BAR	NP	No			
199	SIK/S/KYON	NP	Yes	Rhododendron neivum		Unknown
	SIK/S/KYON	NP		Cypripedium tibeticum		Unknown
200	SIK/S/SHIN	NP	No			
201	TN/N/GUL	NO	No			
202	TN/N/IND	NP	Yes	Pine (Pinus petula)	1970	Declining
	TN/N/IND	NP		Eucalyptus grandis	1970	Declining
	TN/N/IND	NP		Accacia meanstil	1970	Declining
	TN/N/IND	NP		Smetimia mahagane	1970	Increasing
203	TN/N/MUD	NO	No			
204	TN/N/MUK	NP	No			
205	TN/S/CHI	NP				
206	TN/S/GRI	NP	No			
207	TN/S/KAN	NP				
208	TN/S/KARA	NP				
209	TN/S/KARI	NP				
210	TN/S/KOO	NP				
211	TN/S/MEL	NP				
212	TN/S/POIN	NP	Yes	Mango	2000	Unknown
	TN/S/POIN			Coconut	2000	

Table 1.13: Deliberate Introduction of Floral Species into PAs

Sno	PA code	Floral species deliberately introduced in the PA?		New data 1998-01		
		Old data 1984-87	New data 1998 01	Species introduced	Year of introduction	Current Status
	TN/S/POIN			Cicatcida	2000	
	TN/S/POIN			Cashewnut	2000	
213	TN/S/PUL	NO		Many more species	1996	Declining
214	TN/S/UDA	NP	No			
215	TN/S/VAD	NP				
216	TN/S/VALL	NP				
217	TN/S/VED	NO	Yes	Barringtonia acutangula	Not known	Declining
	TN/S/VED			Acacia nilotica	Not known	Declining
218	TN/S/VELL	NP	Yes	Syzygium eunsiasi	2000	Stable
	TN/S/VELL			Ficus religiosa		
	TN/S/VELL			Ficus begalensis		
	TN/S/VELL			Ficus glomerata		
219	TN/S/VET	NP	No			
220	TRI/S/GUM	NP	Yes	Teak (Tectona grandis)	1962	Stable
	TRI/S/GUM			Karai (Albizzia procera)	1962	Stable
221	TRI/S/TRI	NP				
222	UP/S/CHA	NO				
223	UTT/N/COR	YES	Yes	Grevillea robusta (Silver Oak)	Unknown	Stable
	UTT/N/COR			Peltoforum	unknown	Stable
	UTT/N/COR			Eucalyptus-hybrid	unknown	Stable
						Increasing-not naturally, but plant especially on van divas
224	UTT/S/BIN	NP	Yes	Deodar	1933-34	
	UTT/S/BIN			Some ornamental flowers around R.H.		Limited area
	UTT/S/BIN			Akhrot	1992-97	Stable
225	UTT/S/KED	NO	No			
226	WB/N/GOR	NP	No			
227	WB/N/SUN	YES	Yes	Casuarina equisetifolia	1967	Stable
228	WB/S/BAL	YES	No			
229	WB/S/BET	NP	Yes	Teak(Tectona grandis)	1949	Declining
230	WB/S/BIB	NP	No			
231	WB/S/HAL	NP	No			
232	WB/S/LOT	NP				
233	WB/S/RAI	NP	No			
234	WB/S/RAM	NO	No			
235	WB/S/SEN	NP				

Table 1.14: Accidental Introduction of Flora in PAs

Sno	PA code	Floral species accidentally introduced into the PA?	Details of accidental introduction
1	A&N/N/SAD		
2	A&N/S/CUT	No	
3	A&N/S/INT		
4	AP/N/KAS	No	
5	AP/N/MAH	No	
6	AP/N/MRU	No	
7	AP/N/VEN	No	
8	AP/S/COR	No	
9	AP/S/ETU	No	
10	AP/S/GUN	No	
11	AP/S/KAW	No	
12	AP/S/KOL	No	
13	AP/S/KOU	No	
14	AP/S/KRI	Yes	Prosopis juliflora invading PA
15	AP/S/MAN	No	
16	AP/S/NEL	No	
17	AP/S/PAK	No	
18	AP/S/PAP	No	
19	AP/S/POC	No	
20	AP/S/PRA	No	
21	AP/S/PUL	No	
22	AP/S/SIW	No	
23	ARU/N/MOU	No	
24	ARU/N/NAM	No	
25	ARU/S/DER	No	
26	ARU/S/KAM	No	
27	ARU/S/MEH	No	
28	ARU/S/YOR	No	
29	ASS/N/DIB	Yes	Citrus plants.Year-unknown
30	ASS/N/KAZ	No	
31	ASS/N/MAN	No	
32	ASS/N/ORA	No	
33	ASS/S/BAR	No	
34	ASS/S/DIP		
35	ASS/S/GIB	No	
36	ASS/S/LAO	No	
37	ASS/S/PAN	No	
38	ASS/S/POB	No	
39	ASS/S/SON	No	
40	BIH/S/RAJ	No	
41	CHD/S/SUK	No	
42	CHT/N/IND	No	
43	CHT/N/KAN		
44	CHT/S/ACH	No	
45	CHT/S/BAD	No	
46	CHT/S/BAG	No	
47	CHT/S/BAR	No	
48	CHT/S/BHA	No	
49	CHT/S/PAM	No	

Table 1.14: Accidental Introduction of Flora in PAs

Sno	PA code	Floral species accidentally introduced into the PA?	Details of accidental introduction
50	CHT/S/SIT	No	
51	CHT/S/TAM	Yes	(1)Cassia tora (2) Bantulsa and (3) Lantana, due to heavy grazing
52	CHT/S/UDA	No	
53	DEL/S/ASO	No	
54	GOA/S/CHO	No	
55	GUJ/N/BAN	No	
56	GUJ/S/PUR	No	
57	GUJ/S/WIL	No	
58	HAR/N/SUL	No	
59	HAR/S/ABU	No	
60	HAR/S/BHIN	No	
61	HAR/S/BIRB	No	
62	HAR/S/BIRS	No	
63	HAR/S/CHIL	No	
64	HAR/S/KAL		
65	HAR/S/KHA		
66	HAR/S/NAH	No	
67	HAR/S/SAR	No	
68	HP/N/GRE		
69	HP/S/DAR		
70	HP/S/DHA	No	
71	HP/S/GAM	No	
72	HP/S/KAL	No	
73	HP/S/KUG	No	
74	HP/S/LIP	No	
75	HP/S/NAR	No	
76	HP/S/PON	No	
77	HP/S/RUP	No	
78	HP/S/SAN		
79	HP/S/SHI	No	
80	HP/S/TUN	No	
81	J&K/N/KIS	No	
82	J&K/S/OVE	No	
83	JHA/N/RAJ	No	
84	JHA/S/HAZ	No	
85	JHA/S/PAR		
86	JHA/S/UDH	No	
87	KAR/N/ANS	No	
88	KAR/N/BAN	No	
89	KAR/N/KUD	No	
90	KAR/N/NAG	No	
91	KAR/S/ADI	No	
92	KAR/S/ARA	No	
93	KAR/S/BHA	No	
94	KAR/S/BRA		
95	KAR/S/DAN	Yes	Eupatorium weed, since long back
96	KAR/S/DOR		
97	KAR/S/GHA		

Table 1.14: Accidental Introduction of Flora in PAs

Sno	PA code	Floral species accidentally introduced into the PA?	Details of accidental introduction
98	KAR/S/GUD		
99	KAR/S/KAV	No	
100	KAR/S/MEL	No	
101	KAR/S/MOO	No	
102	KAR/S/NUG		
103	KAR/S/PUS	No	
104	KAR/S/RANE		
105	KAR/S/RANG	No	
106	KAR/S/SHA		
107	KAR/S/SHE	No	
108	KAR/S/SOM	No	
109	KAR/S/TAL	No	
110	KER/N/ERA	Yes	Acacia reason not known
111	KER/S/CHIN	No	
112	KER/S/WAY	No	
113	MAH/N/AND	No	
114	MAH/N/NAV	No	
115	MAH/N/PEN	Yes	Parthenium, Lantana
116	MAH/N/SAN	Yes	Rudraksha- core area, Gulmohar (near tulsi lake)
117	MAH/S/AMB	No	
118	MAH/S/ANR	No	
119	MAH/S/BHA		
120	MAH/S/BOR	No	
121	MAH/S/CHA	No	
122	MAH/S/GAU		
123	MAH/S/GYA	No	
124	MAH/S/JAI		
125	MAH/S/KAL	No	
126	MAH/S/KAR	No	
127	MAH/S/KAT	Yes	Lantana camara
128	MAH/S/MAL	No	
129	MAH/S/NAG	No	
130	MAH/S/NAI	No	
131	MAH/S/NAR	No	
132	MAH/S/PAI	No	
133	MAH/S/RAD	No	
134	MAH/S/SAG	No	
135	MAH/S/TIP	No	
136	MAH/S/WAN	No	
137	MAH/S/YAW	No	
138	MAH/S/YED		
139	MAN/N/KEI	No	
140	MEG/N/BAL	No	
141	MEG/N/NOK	No	
142	MEG/S/BAG	No	
143	MEG/S/NON	No	
144	MEG/S/SIJ	No	
145	MIZ/N/MUR		

Table 1.14: Accidental Introduction of Flora in PAs

Sno	PA code	Floral species accidentally introduced into the PA?	Details of accidental introduction
146	MIZ/N/PHA	No	
147	MIZ/S/DAM	No	
148	MIZ/S/KHA	No	
149	MIZ/S/LEN	No	
150	MIZ/S/NGE	No	
151	MP/N/BAN		
152	MP/N/GHU	No	
153	MP/N/PEN	No	
154	MP/N/SAT	No	
155	MP/N/VAN	No	
156	MP/S/GAN	No	
157	MP/S/KAR		
158	MP/S/KHE	No	
159	MP/S/KUN	No	
160	MP/S/NAR	No	
161	MP/S/NAT		
162	MP/S/NOR	Yes	Subabul/ Parthenium/ Lantana/ Eucalyptus
163	MP/S/PEN	No	
164	MP/S/RAL		
165	MP/S/SAI	No	
166	MP/S/SAN	No	
167	MP/S/SAR	No	
168	NAG/N/INT	No	
169	NAG/S/FAK	No	
170	NAG/S/PUL	No	
171	NAG/S/RAN	No	
172	ORI/S/BAD	No	
173	ORI/S/BAI	No	
174	ORI/S/BAL	Yes	Casuarina equisetifolia
175	ORI/S/CHA	No	
176	ORI/S/CHI	No	
177	ORI/S/DEB	No	
178	ORI/S/HAD	No	
179	ORI/S/KHA	No	
180	ORI/S/KOT	No	
181	ORI/S/LAK	Yes	Teak(Tectona grandis)
182	ORI/S/SUN	No	
183	PUN/S/ABO	No	
184	PUN/S/AIS	No	
185	PUN/S/BHA	No	
186	PUN/S/BHU	No	
187	PUN/S/DOS	No	
188	PUN/S/GUR	No	
189	PUN/S/HAR		
190	PUN/S/MAH	No	
191	PUN/S/MOT	No	
192	PUN/S/TAK		
193	RAJ/N/DES	No	
194	RAJ/S/JAM	No	

Table 1.14: Accidental Introduction of Flora in PAs

Sno	PA code	Floral species accidentally introduced into the PA?	Details of accidental introduction
195	RAJ/S/NAH	No	
196	RAJ/S/TAL	No	
197	SIK/N/KHA		
198	SIK/S/BAR	No	
199	SIK/S/KYON	No	
200	SIK/S/SHIN	No	
201	TN/N/GUL		
202	TN/N/IND	No	
203	TN/N/MUD	Yes	Lantana
204	TN/N/MUK	No	
205	TN/S/CHI		
206	TN/S/GRI	No	
207	TN/S/KAN		
208	TN/S/KARA		
209	TN/S/KARI		
210	TN/S/KOO	No	
211	TN/S/MEL		
212	TN/S/POIN	No	
213	TN/S/PUL	No	
214	TN/S/UDA	No	
215	TN/S/VAD	No	
216	TN/S/VALL	No	
217	TN/S/VED	No	
218	TN/S/VELL	No	
219	TN/S/VET	No	
220	TRI/S/GUM	Yes	Some weeds have come up accidentally in the PA area
221	TRI/S/TRI		
222	UP/S/CHA	No	
223	UTT/N/COR	No	
224	UTT/S/BIN	No	
225	UTT/S/KED	No	
226	WB/N/GOR	No	
227	WB/N/SUN		
228	WB/S/BAL	No	
229	WB/S/BET	Yes	Hamjam(Polyalthea suberosa)
230	WB/S/BIB	No	
231	WB/S/HAL	No	
232	WB/S/LOT		
233	WB/S/RAI	No	
234	WB/S/RAM	No	
235	WB/S/SEN		

Table 1.15: Threatened Species of Flora in PAs

Sno	PA code	Threatened Floral Species in the PA, if any		NEW DATA 1998-01		
		OLD DATA 1984-87	NEW DATA 1998-01	Species name	Magnitude of Decline	Probable Cause
1	A&N/S/CUT	NP	Yes	Dipterocarpus spp	No regeneration	anthropogenic pressures
2	AP/S/GUN	NP	Yes	Sterculia urens		Over exploitation
	AP/S/GUN			Litsea decanarsis		Over exploitation for Bark
3	AP/S/KAW	NO	Yes	Tapsi		Over exploitation by the gum collector as NTFP
4	AP/S/PAP	NO	Yes	Dalbergia latifolia - Rose wood	50%	Illicit felling
	AP/S/PAP			Pterocarpus marsupium	25%	Illicit felling and Podu cultivation
	AP/S/PAP			Tectona grandis	50%	Illicit felling
5	AP/S/PRA	NO	Yes	Strichnos nux-vomica		
	AP/S/PRA			Maliva arborea, Diospyros melanoxylon	75%	Heavy pressure from the fringe villagers for fire wood
	AP/S/PRA			Marri		
6	ARU/S/YOR	NP	Yes	Coptis teeta	Not known	Over exploitation
7	ASS/S/BAR	NP	Yes	Teak (Tectona grandis)		Commercial requirement
	ASS/S/BAR			Goamari (Gmelina arborea)		Commercial requirement
	ASS/S/BAR			Simul (Bombax ceiba)		Commercial requirement
	ASS/S/BAR			Bansom (Phoebe goalparensis)		Commercial requirement
8	ASS/S/LAO	NP	Yes	Sisoo (Dalbergia sisoo)		Tree felling
	ASS/S/LAO			Gamari (Gmelina arborea)		Trec Felling
	ASS/S/LAO			Koroi (Albizia procera)		Tree felling
	ASS/S/LAO			Ajar (Lagestroemia flosreginae)		Tree felling
9	ASS/S/SON	NP	Yes	Bonsum (Phoebe goalparensis)	Not assessed	Felling by encroache
10	CHD/S/SUK	NO	Yes	Lantana (Lantana camara)		
	CHD/S/SUK			Congress Grass (Parthenium)		
	CHD/S/SUK			Safeda (Eucalyptus)		
11	CHT/S/TAM	NO	Yes	Lodh(Symplocos raxemosa)	218sqkm	Due to commercial value
	CHT/S/TAM			Meda(Litsea glumosa)	218sqkm	Due to commercial value
	CHT/S/TAM			Char(Buchanania spp.)	175sqkm	Due to commercial value
12	GUJ/N/BAN	NO	Yes	Teak (Tectona grandies)		Due to timber value species
	GUJ/N/BAN			Sissam (Dalbergia sisoo)		Due to timber value species
	GUJ/N/BAN			khari (Acacia catechu)		Due to timber value species
	GUJ/N/BAN			Charoli		Due to timber value species
13	GUJ/S/PUR	NP	Yes	Teak		
	GUJ/S/PUR			Sissam		
	GUJ/S/PUR			Khair		
14	GUJ/S/WIL	NP	Yes	Aeluropus lagopoides (EN)		

Table 1,15: Threatened Species of Flora in PAs

Sno	PA code	Threatened Floral Species in the PA, if any		NEW DATA 1998-01		
		OLD DATA 1984-87	NEW DATA 1998-01	Species name	Magnitude of Decline	Probable Cause
	GUJ/S/WIL			Arthrocnemum indicum (V)		
	GUJ/S/WIL			Suaeda maritima (EN)		
	GUJ/S/WIL			Suaeda nudiflora (EN)		
	GUJ/S/WIL			Tamarix troupii (EN)		
	GUJ/S/WIL			Urochondra setulosa		
15	HAR/S/BIRB	NP	Yes	Neem	10 no.	Felling
	HAR/S/BIRB			Sisham	20 no.	Felling
16	JHA/S/HAZ	NO	Yes	All the species except weeds		Habitat destruction by felling, grazing, fires, etc.
17	KAR/N/ANS	NP	Yes	Memecylon edule		Illicit Felling in the past
18	KAR/S/DAN	NO	Yes	karimuttal-Ougenia dalbergoides	Lower age classes are missing	Seedlings are being browsed
19	KAR/S/GUD	NP	Yes	Beete	1 Beete Tree	Due to heavy population and encroachment
	KAR/S/GUD			Nandi		Due to heavy population and encroachment
	KAR/S/GUD			Matti		Due to heavy population and encroachment
	KAR/S/GUD			Honne		Due to heavy population and encroachment
20	KAR/S/MEL	NQ	Yes	Cycas circinalis	Slightly declined in the past	For mat making & for ornamental use
21	KAR/S/MOO	NO	Yes	Ashoka - Saraca indica, Entada scandens	Not evaluated	
	KAR/S/MOO			Ailanthus malabarica, Cinnamomum zeeplanica	Not evaluated	
	KAR/S/MOO			Myristica malabarica	Not evaluated	
22	KAR/S/SHA	NO	Yes	Beete - Dalbergia latifolia		Due to heavy population and theft
	KAR/S/SHA			Sandal		Due to heavy population and theft
	KAR/S/SHA			Nandi		Due to heavy population and theft
23	KAR/S/SHE	NO	Yes	Beete - Dalbergia latifolia		Theft
	KAR/S/SHE			Sandal - Santalum album		Theft
24	KER/S/WAY	NO	Yes	Sandal wood-Santalum album	50%	Fungal disease
	KER/S/WAY			Kanikonna-Cassia fistula	25%	Fungal disease
	KER/S/WAY			Chuvamnakil	80%	Borer attack
	KER/S/WAY			Vella chadachi-Kydia/Calyane	60%	Elephant damage
	KER/S/WAY			Shorea tehuira	Over 50%	Climatic change
25	MAH/N/PEN	NO	Yes	Diospyros melanoxylon	To be studied scientifically	Over use
	MAH/N/PEN			Sterculia urens	To be studied scientifically	Over use
	MAH/N/PEN			Buchanania laneana		
	MAH/N/PEN			Semicarpus anacardium		

Table 1.15: Threatened Species of Flora in PAs

Sno	PA code	Threatened Floral Species in the PA, if any		NEW DATA 1998-01		
		OLD DATA 1984-87	NEW DATA 1998-01	Species name	Magnitude of Decline	Probable Cause
	MAH/N/PEN			Sterculia urens		
	MAH/N/PEN			Buchanania laneana		
	MAH/N/PEN			Semicarpus anacardium		
26	MAH/S/AMB	NP	Yes	Bambusa bambus(Bamboo)	Entire range	Illicit cutting
27	MAH/S/ANR	NO	Yes	Anjan(Hardwickia binnata),	30%	Illicit cutting
	MAH/S/ANR			Salai(Boswellia serrata)	30%	Illicit cutting
28	MAH/S/GAU	NP	Yes	Chandan	Not known	Illicit cutting
	MAH/S/GAU			Teak	Not known	
29	MAH/S/KAL	NO	Yes	Terminalia chebula, Terminalia tomentosa & Amla		
30	MAH/S/NAG	NO	Yes	Teak	Severe	Illicit cutting
	MAH/S/NAG			Tendu	Moderate	Illicit extraction
	MAH/S/NAG			Mahua	Moderate	Illicit extraction
31	MAH/S/PAI	NP	Yes	Shisham	Data not available.	Lack of regeneration fire
	MAH/S/PAI			Bija(Pterocarpus marsupium)	Data not available.	Lack of regeneration fire
	MAH/S/PAI			Teak		Illicit felling
	MAH/S/PAI			Bijasal(Pterocarpus marsupium)	Data not available.	Lack of regeneration fire
	MAH/S/PAI			Teak		Illicit felling
32	MAH/S/RAD	NO	Yes	Entada		
33	MAH/S/TIP	NP	Yes	Sterculia urens		
34	MAH/S/WAN	NP	Yes	Safed Musali	40%	Heavy uprooting
35	MAN/N/KEI	NO	Yes	Ishing Kambong (Zizania latifolia)		
36	MEG/N/BAL	NP	Yes	Agarwood(Aquilaria agallocha)	Not ascertained	Commercial exploitation
	MEG/N/BAL			Pitcher plant(Nepenthes khasiana)	Not ascertained	Unawareness to endemic value of species
	MEG/N/BAL			Persia villosa	Not ascertained	Bark is of Medicinal importance
	MEG/N/BAL			Litsea polianthia	Not ascertained	Bark is of Medicinal importance
	MEG/N/BAL			Species of orchids	Not ascertained	Loss of habitat
37	MEG/N/NOK	NP	Yes	Nepenthes khasiana	Not available	Destruction of habitat
38	MEG/S/SIJ	NO	Yes	Aquilara agallocha(Agar wood)	Not ascertained	Commercial exploitation
	MEG/S/SIJ			Nepenthes khasiana(Pitcher Plant)	Not ascertained	Unawareness of endemic value of species
	MEG/S/SIJ			Persia villosa	Not ascertained	Bark is of medicinal value
	MEG/S/SIJ			Litsea polianthia	Not ascertained	Bark is of medicinal value
	MEG/S/SIJ			Spps of Orchids	Not ascertained	Loss of habitat
39	MIZ/N/PHA	NP	Yes	Blue Vanda	No decline at present	People from Burma attempt collection
	MIZ/N/PHA			Pitcher Plant	No decline at present	People from Burma attempt collection
	MIZ/N/PHA			Ladies Slipper	No decline at present	People from Burma attempt collection

Table 1.15: Threatened Species of Flora in PAs

Sno	PA code	Threatened Floral Species in the PA, if any		NEW DATA 1998-01		
		OLD DATA 1984-87	NEW DATA 1998-01	Species name	Magnitude of Decline	Probable Cause
40	MP/N/SAT	YES	Yes	Psilotum rundum	Very rare	Botanical Collection
	MP/N/SAT			Cyathea gigantea	Very rare	Botanical Collection
	MP/N/SAT			Cyathea spenulesa	Very rare	Botanical Collection
	MP/N/SAT			Osmmadu regilis	Rare	Botanical Collection
	MP/N/SAT			Lygodium flernosnon	Rare	Botanical Collection
	MP/N/SAT			Lycopodium	Very rare	Botanical Collection
	MP/N/SAT			Drosera lurmarii	Very rare	Botanical Collection
41	MP/S/KAR	NO	Yes			
42	MP/S/NAR	NO	Yes	Santalum album (chandan)	500 Hac.	Illegal trading
	MP/S/NAR			Acacia catechu (Khair)	2000 Hac.	illicit felling
	MP/S/NAR			Chlorophytun aundina	500 Hac.	Medicinal value
	MP/S/NAR			Annona squamosa (silaphal)	1500 Hac.	Commercial value
43	NAG/N/INT	NO	Yes	Acquilaria agallocha (Agor)	Decline in number of standing Trees	Illegal extraction of agorwood
44	ORI/S/BAD	NP	Yes	Bandhan(Ougeima oogineais), Sissoo(Dalbergia sisoo)	Can't say	Illicit felling
	ORI/S/BAD			Bija(Pterocarpus marsupium)	Can't say	Illicit felling
45	ORI/S/BAL	NP	Yes	Bhoja pattra	Very few	
46	ORI/S/CHA	YES	Yes	Shorea robusta		Smuggling of timber, fire and no natural regeneration
47	ORI/S/DEB	NP	Yes	Bija(Pterocarpus marsupium)	20	Illicit felling by peripheral villages and smugglers
48	ORI/S/HAD	NP	Yes	Ashoka(Saraca indica), Nageswar(Mesua ferrea), Cham	Reduction of moist sites along perennial streams of the PA	Due to encroachment, Intensive biotic interference, illicit felling
	ORI/S/HAD			Sisham(Dalbergia sisoo), Bija(Pterocarpus marsupium)	Decline due to illicit felling	Due to encroachment, Intensive biotic interference, illicit felling
	ORI/S/HAD			Cycas(Cycas beddomii)	Rampant collection	Due to encroachment, Intensive biotic interference, illicit felling
49	ORI/S/KHA	NP	Yes	Bandhan, Rosewood, Sissoo	No of trees declining	Illicit felling
50	RAJ/S/JAM	NO	Yes	Anogeissus pendula(Dhok)	Not studied	Biotic pressure
	RAJ/S/JAM			Fiscus religiosa (Pipal)	Not studied	Biotic pressure
	RAJ/S/JAM			Sterculia ureus (kadam)	Not studied	Biotic pressure
	RAJ/S/JAM			Boswellia serrata (Salar)	Not studied	Biotic pressure
	RAJ/S/JAM			Syzygium cuminii (Jaman)	Not studied	Biotic pressure
	RAJ/S/JAM			Acacia catechu (Khair)	Not studied	Biotic pressure
	RAJ/S/JAM			Dendrocalamus strictus	Not studied	Biotic pressure
	RAJ/S/JAM			Terminalia spp.	Not studied	Biotic pressure
51	RAJ/S/NAH	NO	Yes	Dhonk (Anogeissus pendula)	50 head loads per day	Biotic pressure fuel wood
	RAJ/S/NAH			Bans (Dendrocalamus strictus)	very rare	Domestic use by local people

Table 1.15: Threatened Species of Flora in PAs

Sno	PA code	Threatened Floral Species in the PA, if any		NEW DATA 1998-01		
		OLD DATA 1984-87	NEW DATA 1998-01	Species name	Magnitude of Decline	Probable Cause
	RAJ/S/NAH			Salar (<i>Boswellia serrata</i>)	Very rare	
52	SIK/N/KHA	YES	Yes	Kutri (<i>Picrorhiza kurora</i>)		Frequent collection of proters
	SIK/N/KHA			Jatamanshi (<i>Nardostachys jatamashi</i>)		Frequent collection of proters
	SIK/N/KHA			Pakhanbat (<i>Bargania</i>)		Frequent collection of proters
	SIK/N/KHA			Panch Anguli (<i>Orchis latifolia</i>)		Frequent collection of proters
	SIK/N/KHA			Lokhim (<i>Rheum enwidi</i>)		
53	SIK/S/SHIN	NP	Yes	Maple		Micro-climatic change
	SIK/S/SHIN			Juniper		
	SIK/S/SHIN			Larch		Grazing
	SIK/S/SHIN			Rhododendron		
	SIK/S/SHIN			Rhododendron barbatum, Rhododendron ciliatum, Rhododendron thomsoni		
54	TN/N/IND	NP	Yes	Ranunculus reniformis	Not known	Not known
	TN/N/IND			Micholia nilgirica	Not known	Not known
	TN/N/IND			Impetirus elegans	Not known	Not known
	TN/N/IND			Litsea bourdullomi	Not known	Not known
	TN/N/IND			Legianthus acuminatus	Not known	Not known
	TN/N/IND			Lycopodium currum	Not known	Not known
	TN/N/IND			Occunda regalis	Not known	Not known
	TN/N/IND			Phychotrla barberi	Not known	Not known
	TN/N/IND			Selegimella species	Not known	Not known
	TN/N/IND			Sandulua album	Not known	Not known
55	TN/N/MUD	NO	Yes	Sandal	50/hect	
56	TN/S/POIN	NO	Yes	Aristolochia tegala		Exploitation
	TN/S/POIN			Caesalpinia bonduc		Natural
57	TN/S/PUL	NO	Yes	Mangroves	Not known	Change in salinity
						Bird dropping and excessive growth of Prosopis Juliflora
58	TN/S/VET	NP	Yes	Babul	Not known	Habitat destruction
59	TRI/S/GUM	NP	Yes	Heligrana caustica		
	TRI/S/GUM			Terenia macnoulata		
	TRI/S/GUM			Wallichia caryotoide		
60	TRI/S/TRI	NP	Yes	Ramdala(Duabanga grandi flora)	Reduced. Very few in nos.	Natural regeneration effected due to biotic interference.
	TRI/S/TRI			Udal, Kadam (Anthocephalus chisensis)		
61	WB/N/SUN	NO	Yes	Dhundul(Xylocarpus granatum)		
	WB/N/SUN			Sundari		
	WB/N/SUN			Amoor(Aglma cuculata)		
	WB/N/SUN			Singra(Cynometra iripa)		
	WB/N/SUN			Bhola(Hibiscus tillaceous), Gila(Enjada scandens)		
62	WB/S/SEN	NP	Yes	All the indigenous spp.		

Table 1.16: Weeds in PAs
Note: All values for area are in square kilometres

Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				Management initiatives taken to mitigate the problem
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	
1	A&N/N/SAD		No	32.54				
2	A&N/S/CUT	NP		5.82				
3	A&N/S/INT	NP	No					
4	AP/N/KAS	NP	No	1.43				
5	AP/N/MAH	NP	Yes	14.59	Lantana camara	10.00	1970	Uprooting of weeds is being done
	AP/N/MAH				Parthenium	4.00	1975	Uprooting of weeds is being done
6	AP/N/MRU	NP	Yes	2.80	Lantana camara	2.80	1978	Being uprooted in small bits and area sown with grass seeds
	AP/N/MRU				Parthenium	2.80	1980	Being uprooted in small bits and area sown with grass seeds
7	AP/N/VEN	NP	No	2525.97				
8	AP/S/COR	NO	No	235.70				
9	AP/S/ETU	YES	Yes	803.00	Anisomeles malabarica - maha veera			Uprooting of weeds whenever funds are available
10	AP/S/GUN	NP	No	1194.00				
11	AP/S/KAW	NO		893.00	Mahavira	0.15	1994	Under JFM scheme in all the VSS area uprooting of Mahavira is being practiced before the flowering takes place.
12	AP/S/KOL	YES	Yes	308.00	Ipomea aquatica, Scripus, Phragmites, Ottelia, Typha, Vallisnaria, Chara, Nymphaea, Eichhornia (Water hyacinth)	308.00		
13	AP/S/KOU	NP	Yes	357.63	Lantana	30.00		
	AP/S/KOU				Dodonaea	10.00		
14	AP/S/KRI	NP	Yes	194.21	Prosopis juliflora	5.00	1950	
15	AP/S/MAN	NO	Yes	20.00	Ipomea	2.00	Before declaration of sanctuary.	
16	AP/S/NEL	NO		4.58				

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Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				Management initiatives taken to mitigate the problem
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	
17	AP/S/PAK	NO	Yes	860.00	Anisomeles			Uprooting of weeds whenever funds are available, motivating people to go for rotational grazing. There are several villages inside the PA.
	AP/S/PAK				Anisomeles malabarica			
	AP/S/PAK				Hiptis species			
	AP/S/PAK				Eucalyptus Species			
18	AP/S/PAP	NO	Yes	590.68	Lantana camara			
	AP/S/PAP				Ocimum spp.			
19	AP/S/POC	YES	No	130.00				
20	AP/S/PRA	NO	Yes	136.00	Mahavira	0.10		In JFM programme, in all the treatment area of V.S.S, the removal of weeds is in progress.
21	AP/S/PUL	NO	No	461.00				
22	AP/S/SIW	NO	Yes	30.00	Mahavira			
23	ARU/N/MOU	NP	No	483.00				
24	ARU/N/NAM	NO	Yes	1985.25	Mikania			
25	ARU/S/DER	NO	No	190.00				
26	ARU/S/KAM	NP	No	783.00				
27	ARU/S/MEH	NO	No	281.50	Data Not Available			
28	ARU/S/YOR	NP	No	445.98				
29	ASS/N/DIB	NP	Yes	340.00	Lantana			None
	ASS/N/DIB				Mikania			
	ASS/N/DIB				Lorenthes			
30	ASS/N/KAZ	NP	Yes	407.90	Eichhornia crassipes (Water hyacinth)	31.00	Not known	Manual eradication done every year. Success rate is low
	ASS/N/KAZ				Mikania sp.	122.50	Not known	Manual eradication done every year. Success rate is low
	ASS/N/KAZ				Plimosa sp.	122.50	Not known	Manual eradication done every year. Success rate is low
31	ASS/N/MAN	NP	Yes	519.77	Mikania	5.50		None
	ASS/N/MAN				Parthenium			None
	ASS/N/MAN				Lantana			
	ASS/N/MAN				Eupatorium			None
32	ASS/N/ORA	NP		78.80				
33	ASS/S/BAR	NP	No	26.21				
34	ASS/S/DIP	NP		4.14				Study is in progress
35	ASS/S/GIB	NP	Yes	19.16	Eupatorium cauarabium (barman bon)	6.00		Plantations done to suppress the weeds

Table 1.16: Weeds in PAs
Note: All values for area are in square kilometres

Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				Management initiatives taken to mitigate the problem
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	
	ASS/S/GIB				Mikania seandous	6.00		Plantations done to suppress the weeds
36	ASS/S/LAO	NP	Yes	70.10	Lantana		Not known	None
	ASS/S/LAO				Eupatorium			
	ASS/S/LAO				Hyacinth			
37	ASS/S/PAN	NP	No	33.93				
38	ASS/S/POB	NP	Yes	16.00	Ipomea spp.	1.00	Not known	Annual burning
39	ASS/S/SON	NP	Yes	220.00	Lantana camara			
	ASS/S/SON				Euphorbia			
40	BIH/S/RAJ		No	35.84				
								Parthenium weed was removed from the plots and along the roads but it again spread in the area.
41	CHD/S/SUK	YES	Yes	26.11	Congress Grass-Parthenium	5.22	1975	Parthenium weed was removed from the plots and along the roads but it again spread in the area.
	CHD/S/SUK				Lantana camara	6.53	1975	Parthenium weed was removed from the plots and along the roads but it again spread in the area.
42	CHT/N/IND	NO	No	2799.09				
43	CHT/N/KAN	YES	Yes	200.00	Lantana	1.00	Very long	Uprooting
	CHT/N/KAN				Eupatorium sp.	20.00	10 years ago	Uprooting
44	CHT/S/ACH	NO	No	551.55				
45	CHT/S/BAG	NO	Yes	478.00	Lantana camara	0.15	1988	
					Lantana camara, Bantulsi, Gaz er grass, Chhin grass, Cassia tora	144.66		Every year eradication carried out in 20 - 25 hactares
46	CHT/S/BAR	NO	Yes	244.66				
47	CHT/S/BHA	NO	No	138.95				
48	CHT/S/PAM		No	4402.23				
								40 to 60 ha. of lantana covered area is being cleared by uprooting lantana
49	CHT/S/SIT	NO	Yes	558.55	Lantana camara	140.00	1970	
50	CHT/S/TAM	YES	Yes	608.53	Cassia tora	25.00	Before the formation of the PA	Eradication of weeds
	CHT/S/TAM				Bantulsi	35.00	Before the formation of the PA	Eradication of weeds
	CHT/S/TAM				Lantana	7.00	Before the formation of the PA	Eradication of weeds results positive
					Chind Grass(Phoenix sylvestris)	118.50		Uprooting in some parts
52	CHT/S/UDA		Yes	237.00				Uprooting in some parts
	CHT/S/UDA				Lantana camara	11.85		Uprooting in some parts
53	DEL/S/ASO	NP	Yes	27.81	Lantana camara	2.00	1988	Weeding out
	DEL/S/ASO				Parthenium	1.00	1994-95	Weeding out

Table 1.16: Weeds in PAs
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Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	Management initiatives taken to mitigate the problem
54	GOA/S/CHO	NP	No	1.80				
55	GUJ/N/BAN	NO	No	23.99				
56	GUJ/S/PUR	NP	No	160.80				
57	GUJ/S/WIL	NP	Yes	4953.00	Details not available	272.75	1973-74	Not known (Source- Ecological study of the wild ass sanctuary)
58	HAR/N/SUL	NO	Yes	1.42	Congress Grass - Parthenium	0.40	1996	Manual weeding
	HAR/N/SUL				Lantana	0.80	1994	Manual weeding
59	HAR/S/ABU	NP	No					
60	HAR/S/BHIN	NP	Yes	4.07	Water hyacinth	3.60	1992	Eradication
61	HAR/S/BIRB	NP	No	8.00				
62	HAR/S/BIRS	NP	Yes	7.67	Congress Grass	3.04	1990	
63	HAR/S/CHIL	NP	No	0.28				
64	HAR/S/KAL	NP	Yes	99.12	Lantana	0.40	1997	
	HAR/S/KAL				Waste cross	0.20	1997	
65	HAR/S/KHA	NP	No	0.82				
66	HAR/S/NAH		No					
67	HAR/S/SAR	NP		44.02				Eradication of weeds frequently carried out
68	HP/N/GRE		No	905.40				
69	HP/S/DAR		No	167.40				
70	HP/S/DHA	NP	No	943.98				
71	HP/S/GAM	NO	No	109.00				
72	HP/S/KAL	NO	No	69.47				
73	HP/S/KUG	NO	No					
74	HP/S/LIP		No	30.89				
75	HP/S/NAR		No	278.38				
76	HP/S/PON	NO		307.70				
77	HP/S/RUP		No	269.15				
78	HP/S/SAN	NP	No	650.00				
79	HP/S/SHI	NO	No	90.37				
80	HP/S/TUN	NO	No	64.00				
81	J&K/N/KIS	NO	No	425.00				
82	J&K/S/OVE		No	425.00				
83	JHA/N/RAJ			0.74				
84	JHA/S/HAZ	YES	Yes	186.26	Lantana			
	JHA/S/HAZ				Parthenium			
	JHA/S/HAZ				Chakor			
85	JHA/S/PAR	NP	No	50.80				
86	JHA/S/UDH	NP	No					
87	KAR/N/ANS	NP	Yes	250.00	Eupatorium		1975	
88	KAR/N/BAN	YES	Yes	880.02	Lantana camara			No action is taken
	KAR/N/BAN				Eupatorium			No action is taken
	KAR/N/BAN				Strobilanthus			No action is taken
89	KAR/N/KUD	NP	Yes	600.32	Eupatorium		Before its declaration as NP	No action has been taken since its impact is too negligible
90	KAR/N/NAG	YES	Yes	643.39	Lantana camara	75.00		Steps are being taken to remove it in a phased manner

Table 1.16: Weeds in PAs
Note: All values for area are in square kilometres

		Is there infestation of weeds in the PA		NEW DATA 1998-01				
Sno	PA code	OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	Management initiatives taken to mitigate the problem
	KAR/N/NAG				Eupatorium	25.00		Steps are being taken to remove it in a phased manner
	KAR/N/NAG				Parthenium	10.00		Steps are being taken to remove it in a phased manner
91	KAR/S/ADI	YES		0.89				
92	KAR/S/ARA			13.50				
93	KAR/S/BHA	NO	Yes	492.46	Eupatorium	40.00		Being weeded out regularly
	KAR/S/BHA				Parthenium	20.00		
94	KAR/S/BRA	NO	No	181.29				
95	KAR/S/DAN	YES	Yes	475.02	Eupatorium		1975	
96	KAR/S/DOR	NP	No	55.87				
97	KAR/S/GHA	NO	No	29.79				
98	KAR/S/GUD	NP	Yes	0.74	Eupatorium	0.20	30 years ago	Clearance of Fire lines etc
99	KAR/S/KAV	NP		526.95				
100	KAR/S/MEL	NO	No	49.82				
101	KAR/S/MOO	NO	Yes	247.00	Eupatorium	20.00	30 years ago	No
	KAR/S/MOO				Strobilanthus	10.00	30 years ago	No
102	KAR/S/NUG	YES	Yes	30.32	Lantana camara	6.00		Being Mechanically removed
	KAR/S/NUG				Eupatorium	5.00		
103	KAR/S/PUS	NP	No	92.66				
104	KAR/S/RANE			119.00				
105	KAR/S/RANG	NO	No	67.00				
106	KAR/S/SHA		Yes	431.26	Eupatorium	100.00	In 1974	Clearing of weeds
107	KAR/S/SHE	NO	Yes	395.60	Eupatorium	150.00	Around 1975	Uprooting of the weed in thick patches
108	KAR/S/SOM	NO	No	88.97				
109	KAR/S/TAL	NP	No	105.01				
110	KER/N/ERA	NO	Yes	100.00	Eupatorium		Not known	Weeding
	KER/N/ERA				Bracker		Not known	
111	KER/S/CHIN	NO	Yes	90.44	Lantana		Not known	Weeding in small scale
	KER/S/CHIN				Ageratum		Not known	Weeding in small scale
	KER/S/CHIN				Parthenium		Not known	Weeding in small scale
112	KER/S/WAY	NO	Yes	344.44	Eupatorium	103.33	Not known	Weeding in mature eucalyptus uprooting and miscellaneous plantations
	KER/S/WAY				Lantana	103.33	Not known	Weeding in mature eucalyptus uprooting and miscellaneous plantations

Table 1.16: Weeds in PAs
Note: All values for area are in square kilometres

Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	Management initiatives taken to mitigate the problem
113	MAH/N/AND	NP	Yes	625.40	Lantana	2.00	Not known	Weed eradication works have been undertaken, but sufficient funds are not available.
	MAH/N/AND				Rantulas(Ocimum tassilicum)	5.00	Not known	Weed eradication works have been undertaken, but sufficient funds are not available.
114	MAH/N/NAV	NP		133.88				
115	MAH/N/PEN	NO	Yes	257.26	Parthenium			
	MAH/N/PEN				Lantana camara			
	MAH/N/PEN				Ocimum species			
116	MAH/N/SAN	NO	Yes	103.09	Lantana camara			Weeding for plantation
	MAH/N/SAN				Eupatorium spp.			
117	MAH/S/AMB	NP	Yes	127.11	Ran tulsi	12.70	1970	
118	MAH/S/ANR	NP	Yes	82.94	Parthenium & Kusali	82.94	1986	
119	MAH/S/BHA	NP		104.38				
120	MAH/S/BOR	YES	Yes	61.10	Panthenium	2.00		Uprooting since last year
	MAH/S/BOR				Ocimum species	3.00		Uprooting since last year
	MAH/S/BOR				Cassia tora	1.00		Uprooting since last year
121	MAH/S/CHA	NP		133.23				
122	MAH/S/GAU	NP	Yes	260.00	Lantana, Parthenium & Tarota(Cassia tora)		1996	Not yet done but proposed
123	MAH/S/GYA	NP	Yes	203.56	Lantana	33.08	Not known	Eradication of weeds is proposed
	MAH/S/GYA				Pathenium	33.08	Not known	Eradication of weeds is proposed
	MAH/S/GYA				Cassia tora	33.08	Not known	Eradication of weeds is proposed
	MAH/S/GYA				Ocimum sp.	33.08	Not known	Eradication of weeds is proposed
124	MAH/S/JAI	NP	Yes	341.05	Ipoemia			
125	MAH/S/KAL		Yes	361.71	Lantana,Cassia tora, Ipomea			
126	MAH/S/KAR	NO	Yes	4.27	Ranmodi(Eupatorium glandulosum)	2.00	1994	Not yet
127	MAH/S/KAT	NP	Yes	57.32	Lantana			Management plan & its implementation is in progress.
	MAH/S/KAT				Cassia tora			Management plan & its implementation is in progress.
128	MAH/S/MAL	NP	NA	29.12				

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Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	Management initiatives taken to mitigate the problem
129	MAH/S/NAG	YES	Yes	152.81	Lantana	2.00	1990	No
	MAH/S/NAG				Parthenium		1990	Periodic uprooting
130	MAH/S/NAI	NP	Yes	29.90	Lantana, Parthenium, Cassia tora, Ocimum sp(Rantulas), Grass sp-Kusali		Not known	Proposed
131	MAH/S/NAR	NP	Yes		Congress Grass	2.47	1972	Eradication process will be taken up
	MAH/S/NAR				Ban tulsii	2.47		Eradication process will be taken up
	MAH/S/NAR				Lantana camara	3.08		Eradication process will be taken up
132	MAH/S/PAI	NP	Yes	324.64	Congress grass	7.00	Can't say	No
	MAH/S/PAI				Cassia tora	50.00	Can't say	No
133	MAH/S/RAD	NO	Yes	351.16	Ghaneri(Lantana)	25.00	1980 Onwards	Not yet taken
134	MAH/S/SAG	NP	No	10.87				
135	MAH/S/TIP	NP	Yes	140.29	Cassia tora			
	MAH/S/TIP				Ocimum species			
136	MAH/S/WAN	NP	Yes	205.86	Lantana camera	144.10	1972	Eradication process will be undertaken
	MAH/S/WAN				Congress grass	41.17	1972	Eradication process will be undertaken
	MAH/S/WAN				Ban tulsii	20.59	1972	Eradication process will be undertaken
137	MAH/S/YAW	NO	No	177.52				
138	MAH/S/YED	NP	Yes	22.37	Lantana, Parthenium, Cassia tora, Rantulas, Kusali grass		Not known	Proposed plan for improved varieties of grasses.
139	MAN/N/KEI	NO	Yes	40.00	Zenthinum Spp.			
140	MEG/N/BAL	NP	Yes	220.00	Michelia spp.		Not known	Weeding subject to availability of funds
	MEG/N/BAL				Lantana camara		Not known	Weeding subject to availability of funds
	MEG/N/BAL				Eupatorium		Not known	Weeding subject to availability of funds
141	MEG/N/NOK	NP	Yes	47.48	Eupathorium odoratrum		Not available	Not started
	MEG/N/NOK				Mikania macarantha		Not known	Not started
142	MEG/S/BAG	NP	Yes	0.03	Mikania spp.		Not known	Weeding subject to availability of funds
	MEG/S/BAG				Lantana camara		Not known	Weeding subject to availability of funds
	MEG/S/BAG				Eupatorium spp.		Not known	Weeding subject to availability of funds
143	MEG/S/NON	NO	No	29.00				
144	MEG/S/SIJ		Yes	5.18	Mikania spp.		Not known	Weeding subject to availability of funds

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Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	Management initiatives taken to mitigate the problem
	MEG/S/SIJ				Lantana camara		Not known	Weeding subject to availability of funds
	MEG/S/SIJ				Eupatorium spp.		Not known	Weeding subject to availability of funds
145	MIZ/N/MUR	NP	Yes	200.00	Mikania macarantha	10.00		None
146	MIZ/N/PHA	NP	No	50.00				
147	MIZ/S/DAM		Yes	500.00	Lantana	0.30	Not known	None
	MIZ/S/DAM				Mikania macarantha	1.00	Not known	None
148	MIZ/S/KHA	NP	Yes	41.00	Mikania macarantha	5.00	Not known	None
149	MIZ/S/LEN	NP	No	120.00				
150	MIZ/S/NGE	NP	No	110.00				
151	MP/N/BAN	NO	Yes	1161.47	Lantana camara (Lantana)	300.00		Eradication by uprooting and burning
	MP/N/BAN				Cassia tora. (Chakora)	100.00		Eradication by uprooting and burning
	MP/N/BAN				Sida acuta (Sida)	50.00		Eradication by uprooting and burning
152	MP/N/GHU	NP	No	0.27	Nil			
153	MP/N/PEN	NO	Yes	292.86	Lantana Camara	73.22	Not Known	Uprooting
154	MP/N/SAT	NP	Yes	524.37	Lantana Camara			Eradication is being carried out
155	MP/N/VAN	YES	Yes	4.45	Lantana Camara	3.45	Not Known	Eradication, (but due to lack of budget whole eradication cannot be done)
156	MP/S/GAN	NO	Yes	368.62	Lantana	10.00		Under the M.P. forestry project, budget was allotted for control/eradication of weeds.
	MP/S/GAN				Cassia tora	10.00		Under the M.P. forestry project, budget was allotted for control/eradication of weeds.
157	MP/S/KAR	NO						
158	MP/S/KHE	NO	No	132.78	N.A.			
159	MP/S/KUN	NP	No	344.69	N.A.			
160	MP/S/NAR		Yes	57.20	Lantana camara	25.00		Weed eradication carried out according to availability of funds
161	MP/S/NAT			460.00				

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Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				Management initiatives taken to mitigate the problem
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	
162	MP/S/NOR	NP	Yes	1186.96	Parthenium, Lantana	360.00	Around 1975	Steps to eradicate lantana are being taken at suitable sites.
163	MP/S/PEN	NO	No	118.00	N.A.			
164	MP/S/RAL	NP	Yes	2.62	Lantana	1.00	1970	In the year 98 part removal was done
165	MP/S/SAI	NO	No	12.96	N.A.			
166	MP/S/SAN	NO	Yes		Lantana camara		1990-92	No initiatives taken till now.
167	MP/S/SAR	NP	No	348.12	N.A.			
168	NAG/N/INT		No	202.02				
169	NAG/S/FAK	NP	No	6.41				
170	NAG/S/PUL	NP	No	9.23				
171	NAG/S/RAN	NP	No	4.70				
172	ORI/S/BAD	NP	Yes	304.03	Eupatorium			None
173	ORI/S/BAI	NO		168.35				The commonly known weeds such as Eupatorium and lantana are not considered weeds for sanctuary
174	ORI/S/BAL	NP	No	71.72				
175	ORI/S/CHA	YES	Yes	193.39	Eupatorium odoratum (Pokasunga)	100.00	Not available	
176	ORI/S/CHI	NP	No	15.53				
177	ORI/S/DEB	NP	Yes	346.90	Aquatic weed	0.07	1991	Yearly cleaning done
178	ORI/S/HAD		Yes	191.60	Pokasungha: (Eupatorium odoratum)		Not Known	Not done due to lack of funding
179	ORI/S/KHA	NP	Yes	116.00	Eupatorium		No idea	None
180	ORI/S/KOT	NP	Yes	399.50	Eupatorium			Nothing
181	ORI/S/LAK	NP	Yes	174.96	Sihali (Bauhinia Vahlic)	171.23	Since long	Climber cutting
	ORI/S/LAK				Atundi (Calycotria floribunda)			
	ORI/S/LAK				Muturi (Smilax)			
182	ORI/S/SUN	NP	Yes	600.00	Eupatorium			No
183	PUN/S/ABO	NP	No	188.22				
184	PUN/S/AIS	NP	No	2.60				
185	PUN/S/BHA	NP	No	8.20				
186	PUN/S/BHU	NP	No	6.60				
187	PUN/S/DOS	NP	No	7.50				
188	PUN/S/GUR	NP	No	6.10				
189	PUN/S/HAR	NP	Yes	86.00	Water Hyacinth	86.00	Not known	Water Hyacinth is required to be removed from area on war footing.
190	PUN/S/MAH	NP	No	2.20				
191	PUN/S/MOT	NP	No	5.24				
192	PUN/S/TAK	NP		3.86				
193	RAJ/N/DES	NO	No	3162.00				

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		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	Management initiatives taken to mitigate the problem
194	RAJ/S/JAM	NP	Yes	300.00	Parthenium spp (Congress grass)		Not recorded	
195	RAJ/S/NAH		Yes	52.40	Parthenium spp. (Congress grass)		Not recorded	None
196	RAJ/S/TAL	YES	Yes	7.19	Prosopis juliflora (Vilayate Babool)	4.00	1992	Eradication of juliflora is in progress only on division level
197	SIK/N/KHA		Yes	1784.00	Details not available			
198	SIK/S/BAR	NP	No	104.00				
199	SIK/S/KYON	NP	No	31.00				
200	SIK/S/SHIN	NP	No	43.00				
201	TN/N/GUL	NP		6.23				
202	TN/N/IND	NP	Yes	958.00	Lantana camara	50.00		
	TN/N/IND				Eupatorium	30.00		
	TN/N/IND				Parthenium	2.00		
	TN/N/IND				Mikania	2.00	Since last 2 years	
203	TN/N/MUD	NP	Yes	321.00	Lantana	159.00		
	TN/N/MUD				Eupatorium	159.00	1968	
	TN/N/MUD				Parthenium		1965	
	TN/N/MUD				Mainmosa	3.00		
204	TN/N/MUK	NP	Yes	78.46	Ulex europea	3.00	Since the British period	Manual clearing
205	TN/S/CHI	NP	Yes	0.48	Prosopis juliflora	0.10	Since notification of the sanctuary	None
206	TN/S/GRI	NP	Yes	496.38	Lantana camara	30.00		
	TN/S/GRI				Parthenium spp. (Congress grass)	6.00		
207	TN/S/KAN	NP	Yes	1.07	Prosopis juliflora	0.75	Prior to 1994	None
208	TN/S/KARA	NP		4.53				
209	TN/S/KARI	NP	Yes	0.65	Ipomea	0.02	Not known	Manual uprooting
210	TN/S/KOO	NP		1.29				
211	TN/S/MEL	NP		5.93				
212	TN/S/POIN		Yes	25.00	Prosopis juliflora	2.50		Nil
213	TN/S/PUL	NO	Yes		Prosopis juliflora		Not known	
214	TN/S/UDA	NO	Yes	0.44	Ipoemia marijuana			Manual removal
215	TN/S/VAD	NP	Yes	1.63	Ipoemia marijuana	0.41		Manual weeding. Not very effective
216	TN/S/VALL	NP	Yes	16.41	Opuntia			
217	TN/S/VED	NO	Yes	0.27	20 trees of Climber (Name not known)		1996	Physical removal done but the weeds have grown again
218	TN/S/VELL	NP	Yes	0.77	Grasses			
219	TN/S/VET	NP	Yes	0.38	Prosopis juliflora	0.24	Since notification in 1997	None
220	TRI/S/GUM	NP	Yes	389.59	Mikania odorata	194.80	1988	

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Sno	PA code	Is there infestation of weeds in the PA		NEW DATA 1998-01				Management initiatives taken to mitigate the problem
		OLD DATA 1984-87	NEW DATA 1998-01	PA Area	Weed species	Area affected by weeds	Year when the weed first occurred	
	TRI/S/GUM				Mikania scandans	194.80		
221	TRI/S/TRI	NP	No	194.70				
222	UP/S/CHA		Yes	96.00	Lantana (Lantana camara)	20.00		New management plan proposed for the area.
223	UTT/N/COR	YES	Yes	520.82	Lantana camara	208.33	Unknown	Weed eradication work is done every year
	UTT/N/COR				Parthenium revestrack (Gajar grass)	52.08	Unknown	Weed eradication work is done every year
	UTT/N/COR				Cannabis sativa (Bhang)	26.04	Unknown	Weed eradication work is done every year
224	UTT/S/BIN	NP	No	47.07				
225	UTT/S/KED	NO		975.20				
226	WB/N/GOR	NP	Yes	79.45	Lea sp., Eupatorium spp., Lantana camara	51.00	Not known	Proposal for uprooting the weeds at the time of flowering.
227	WB/N/SUN	NP		2585.00				
228	WB/S/BAL		Yes	2.02	Aquatic weed	0.07	1991	Yearly cleaning done
229	WB/S/BET	NP	Yes	0.67	Cassia tora, Ageratum cogneoides	0.05	Since several years	Clearing carried out. It is within control, and does not pose a serious threat
230	WB/S/BIB	NP	No	0.64				
231	WB/S/HAL	NP	No	5.95				
232	WB/S/LOT	NP						
233	WB/S/RAI	NP	No	1.30				
234	WB/S/RAM	NO	No	0.14				
235	WB/S/SEN	NP						

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
1	A&N/S/CUT	5.82	Grazing			Turtle breeding area.	Population decline, degradation, disturbance
2	AP/N/MAH	14.59	Sale of grass in the area in the past before notification as a National Park. Now stopped	upto 1995	10.00	Grasslands	To encourage grass, the area was repeatedly burnt, resulting in general degradation
	AP/N/MAH	0.00	Location of Municipal Garbage dumping ground adjacent to the Park	From 1980 till date	14.59	Forest and grass land habitats	Air, soil and water pollution affecting plant and animal health
3	AP/N/VEN	2525.97	Grazing		10.00	Forest	Poor regeneration
	AP/N/VEN	0.00	NTFP collection		25.00	Forest	Poor regeneration
	AP/N/VEN	0.00	Felling		25.00	Forest	Poor regeneration
4	AP/S/COR	235.70	November 1996 Cyclone	November 1996	110.00	Wetland (Mangroves)	Population in decline
	AP/S/COR	0.00	Grazing, Tree Felling & Fishing		235.00	All mangroves	Degradation, poor regeneration
5	AP/S/ETU	803.00	Habitation within & around PA			Forest wetland grassland	Loss of Habitat good low lying areas-grassland were lost
	AP/S/ETU	0.00	Cultivation			Forest	Loss of Habitat
	AP/S/ETU	0.00	OTH (AP rayon factory)				Pollution & disturbance, Pressure on forest increased for fuel timber etc.
	AP/S/ETU	0.00	Fire			Most of PA is affected	
	AP/S/ETU	0.00	Grazing			Most of the area around habitation	Disturbance, food competition
	AP/S/ETU	0.00	Pilgrimage		75.00	Deciduous Forest & Wetland and Riparian zone of Jampanna Vag	Disturbance. About 40lakh people visit the Sammakka-Saralamma festival at Medaram in PA once in 2yr.
6	AP/S/GUN	1194.00	Fire	during summer	716.40	forest	Degradation, Changes in habitat/vegetation types
7	AP/S/KAW	893.00	Cultivation			Forest have been degraded	
	AP/S/KAW	0.00	Felling			Dry deciduous mixed type forests mainly teak	
8	AP/S/KOL	308.00	Cultural	Full year		Wetlands	Degradation
	AP/S/KOL	0.00	Pisci culture	Full year 1976		Wetland	Degradation
9	AP/S/KOU	357.63	Drought	1995, 1997, 1999	375.63		Poor regeneration, Proliferation of hardy species/weeds
10	AP/S/KRI	194.21	Cyclone	1977	194.21	Mangrove Forest Wet Land	Population decline, Degradation, Changes in habitat/vegetation/forest types

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
11	AP/S/MAN	20.00	Traditional fishing by the local fishermen	From the beginning	20.00	Wetland	Disturbance to birds
12	AP/S/PAK	860.00	Habitation with in PA			Forest wet land grass land	Loss of habitat, grassland were lost
	AP/S/PAK	0.00	Habitation around PA			Forest, wetland, grassland	Loss of habitat, grassland were lost
	AP/S/PAK	0.00	Cultivation			Forest	Loss of habitat
	AP/S/PAK	0.00	Fire			Most of the PA is affected	Disturbance, food competition
	AP/S/PAK	0.00	Grazing				
	AP/S/PAK	0.00	Pilgrimage				
13	AP/S/PAP	590.6	Podu cultivation and illicit felling			Forests	Population decline, Proliferation of hardy species/weeds
14	AP/S/POC	130.00	Erosion		20.00	Forest	Degradation and Poor regeneration
	AP/S/POC	0.00	Fire		18.00	Forest	Poor regeneration, Changes in habitat/vegetation/forest type and Proliferation of hardy species/weeds
	AP/S/POC	0.00	Grazing		32.00	Forest	Degradation and Poor regeneration
	AP/S/POC	0.00	NTFP collection		30.00	Forest	Extinction and Degradation
	AP/S/POC	0.00	Tree felling		35.00	Forest	Extinction, Degradation and Poor regeneration
15	AP/S/PRA	136.00	Cultivation	1972	3.00	Forest (Dry deciduous mixed forests)	Destruction of habitat causes the reduction of fodder for herbivores
	AP/S/PRA	0.00	Cultivation	1972	2.00	Forest (Dry deciduous forest)	Destruction of habitat causes the reduction of fodder for herbivores
16	AP/S/PUL	461.00	Development project and Habitation	1970	200.00	Wetland	Reduction of flow of water
	AP/S/PUL	0.00	Industries	1980-90	2.00	Village site	Environment pollution
17	ARU/N/MOU	483.00	Landslide, Erosion	Naturally Occurrence in every year		Tree land in steep hilly area, grass land in bank of river.	
18	ARU/N/NAM	1985.25	Miao-Vijonagar Road Project		4.50	Forests and Wetlands.	Lasting canopy gap in the forest. More workers means more disturbance for fuel and other NTFP. Fragmentation of habitat
	ARU/N/NAM	0.00	Hunting (LISU people from adjoining Myanmar.)	1996	4.45	Forest, grassland and wetland. They hunt animals.	Population decline, change in habitat, proliferation of weeds. The total rainforest ecosystem gets disturbed.
	ARU/N/NAM	0.00	Habitation (Chakma settlers.)	1964	4.27	Forest and wetland.	Population decline, change in habitat, proliferation of weeds. The total rainforest ecosystem gets disturbed.
19	ARU/S/DER	190.00	Floods and erosion	Regular	30.00	Grassland and Forest	Degradation of habitat, Loss of Wildlife
	ARU/S/DER	0.00	fire	Regular	142.50	Grassland	Degradation of habitat, Loss of WILDLIFE

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
20	ARU/S/DER	0.00	grazing and NTFP collection	Regular		Forest & Grassland	Impact negligible
	ARU/S/MEH	281.50	Floods	Every Year	0.01	Forest	
	ARU/S/MEH	0.00	Land slides	Every Year	0.01	Forest	
	ARU/S/MEH	0.00	Erosion	Every Year	0.01	Forest	
	ARU/S/MEH	0.00	Development projects	1980	0.98	Forest	
	ARU/S/MEH	0.00	Fire	1999	3.00	Forest	
	ARU/S/MEH	0.00	Grazing	Every Year	20.00	Forest	
	ARU/S/MEH	0.00	Habitation	Time Immeroral	9.80	Mehao	
	ARU/S/MEH	0.00	NTFP collection	Time Immeroral	98.00	Forest	
	ARU/S/MEH	0.00	Cultivation	Time Immeroral	30.00	Forest	
	ARU/S/MEH	0.00	Felling	1964	0.20	Forest	
	ARU/S/MEH	0.00	Tourism	1980	0.30	Forest	
	ARU/S/MEH	0.00	Pilgrimage	1996	0.00	Forest	
21	ASS/N/DIB	340.00	Flood	Annual	340.00	All types	Degradation, Changes in habitat/Vegetation/forest types, loss of land, heavy siltation
	ASS/N/DIB	0.00	Erosion	Annual		All types	Degradation, Loss of area and vegetation
	ASS/N/DIB	0.00	Grazing	Annual	32.50	Grassland	Degradation, Poor regeneration
	ASS/N/DIB	0.00	Habitation	1957-56	1.00		Degradation
	ASS/N/DIB	0.00	Tree felling	Every year		Forest	Degradation
	ASS/N/DIB	0.00	Cultivation	Every year	1.00	Grassland	Degradation, Poor regeneration, Changes in habitat
	ASS/N/DIB	0.00	NTFP collection	Every year		grassland	Negligible
22	ASS/N/KAZ	407.90	Flood	Every year	280.00	Mainly grassland and wetland	Degradation, Poor regeneration
	ASS/N/KAZ	0.00	Erosion	Every year		Tree forest and grassland	Degradation, Poor regeneration
	ASS/N/KAZ	0.00	Fire (Controlled Burning)	Every year	262.00	Mainly grassland	Poor regeneration for other than grass
	ASS/N/KAZ	0.00	Tourism	Every year	15.00	Negligible	
23	ASS/N/MAN	519.77	Grazing	1989	10.00	Forests & Grasslands	Changes in habitat/vegetation/forest types, population decline. A 5 Km belt along the Southern boundary of the PA is considered to be the impact zone
	ASS/N/MAN	0.00	Cultivation	1989	8.00	Forests and Grassland	Changes in habitat/vegetation/forest types, population decline
	ASS/N/MAN	0.00	Tree felling		15.00	Forests and Grasslands	Changes in habitat/vegetation/forest types, population decline
24	ASS/N/ORA	78.80	Flood	Every year	1.50	Wetland, Grassland	Changes in habitat/vegetation/forest types

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	ASS/N/ORA	0.00	Erosion	Every year		Forest, grassland, wetland	Extinction, Population decline
	ASS/N/ORA	0.00	Grazing	Every year		Grassland	Extinction, Degradation, Poor regeneration
	ASS/N/ORA	0.00	Tree felling				Negligible
	ASS/N/ORA	0.00	NTFP collection				
25	ASS/S/BAR	26.21	Grazing (out of 20)	Every year	10.00	Forest grassland	
	ASS/S/BAR	0.00	Habitation, Grazing, Cultivation	Before 1990	6.00	Forest grassland	
	ASS/S/BAR	0.00	Tree felling (out of 20)	1989 on going	9.00	Forest	
	ASS/S/BAR	0.00	NTFP collection		20.00		
	ASS/S/BAR	0.00	Fire		11.00		
26	ASS/S/GIB	19.16	Grazing, Tree felling	1970	10.00	Forest	Degradation, Poor regeneration
27	ASS/S/LAO	70.10	Floods	every year	50.00	Forest, grasslands, wetlands	Flood tolerant species come up
	ASS/S/LAO	0.00	Grazing	Every year	20.00	grass lands	Degradation
	ASS/S/LAO	0.00	Cultivation	Seasonal in every year	20.00	Grasslands	Change in habitat/vegetation/forest types, Proliferation of hardy species/weeds
	ASS/S/LAO	0.00	Tree felling	Every year	20.00	Forest	Population decline, Proliferation of hardy species/weeds, Degradation, Poor regeneration
	ASS/S/LAO	0.00	Development projects	1960	50.00	Grasslands	Population decline, Degradation, Poor regeneration
28	ASS/S/PAN	33.93	Floods		33.93		Degradation and Changes in habitat/vegetation/forest types
	ASS/S/PAN	0.00	Grazing		33.93		Degradation and Changes in habitat/vegetation/forest types
29	ASS/S/POB	16.00	Tree felling	Every year	16.00	Grassland	Degradation, Poor regeneration
	ASS/S/POB	0.00	Grazing	Every year	6.80	Grassland	Grass growth stunted, Pan Formation
	ASS/S/POB	0.00	Sangai project		1.00	Grassland	Regeneration of albizia procerea
	ASS/S/POB	0.00	Siltation	Every year		Wetland	Water scarcity during dry months
30	ASS/S/SON	220.00	Habitation	1996	5.90	Forest	Degradation, Poor regeneration
	ASS/S/SON	0.00	Tree felling	1996			
	ASS/S/SON	0.00	Cultivation	1997			
31	BIH/S/RAJ	35.84	Grazing		30.00	grassland, forest	Degradation & poor regeneration
	BIH/S/RAJ	0.00	Fire		12.00	Forest, grassland	degradation & poor regeneration
	BIH/S/RAJ	0.00	Tourism		1.00	Forest	

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
32	CHD/S/SUK	26.11	Drought, Erosion, Dam, Development projects	Occur after 2 or 3 yr.. Since 1958,		Forest	Initially the catchment was acquired during 1962-64 to carry out various soil conservation works coupled with afforestation. Due to the impact of various soil conservation works, the drinking water is available for wildlife through out the year. The habitat for wild animals have improved significantly & wildlife has adopted the area as their natural home & it was declared as Sukhna Wildlife Sanctuary in 1977.
33	CHT/N/IND	2799.09	Grazing	Every Year	559.82	Grass lands	Degradation
	CHT/N/IND	0.00	NTPF Collection	Season	559.82	Forest	Degradation
34	CHT/S/TAM	608.53	Fire	Before the formation of PA	40.00	Grassland	Degradation and poor regeneration
	CHT/S/TAM	0.00	Grazing	Before the formation of PA	32.00	Grassland	Degradation and poor regeneration
	CHT/S/TAM	0.00	NTPF collection	1990	593.00	Forest	Degradation and poor regeneration
35	DEL/S/ASO	27.81	Grazing	1986	9.00	Forest	Degradation, Poor regeneration
	DEL/S/ASO	0.00	Mining	1986	4.00	Forest	Degradation, Poor regeneration
	DEL/S/ASO	0.00	NTPF Collection	1986	10.00	Forest	Degradation, Poor regeneration
36	GOA/S/CHO	1.80	Tree felling	1991-93	0.10	Mangrove forest	Degradation, but negligible
37	GUJ/N/BAN	23.99	Fire	1994/95 to 1998/99	0.62		
	GUJ/N/BAN	0.00	Felling	1994/98 to 1998/99			
	GUJ/N/BAN	0.00	OTH	1994/95 to 1998/99			
	GUJ/N/BAN	0.00	Grazing	1994/95 to 1998/99			
38	GUJ/S/PUR	160.80	Fires	Occasionally		Undergrowth	
	GUJ/S/PUR	0.00	Felling			Undergrowth	
	GUJ/S/PUR	0.00	OTH			Undergrowth	
	GUJ/S/PUR	0.00	Grazing			Undergrowth	
39	GUJ/S/WIL	4953.00	Salt production	1873	297.21	Open desert land and creak area at Surajbari	Negative
40	HAR/S/ABU		Cultivation	Since before declaration of santy.		all area	
	HAR/S/ABU	0.00	Felling	Since before declare of santy.		all area	

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	HAR/S/ABU	0.00	Tourism	Since before declare of santy.		all area	
41	HAR/S/BIRB	8.00	Felling	1999	8.00		Population declining, Poor regeneration
42	HAR/S/CHIL	0.28	Cultivation			Wet land	
43	HAR/S/SAR	44.02	Grazing				
	HAR/S/SAR	0.00	Others				Negative impact on breeding and survival of wildlife
44	HP/N/GRE	905.40	Human habitation	From posterity of PA		Forest, Grassland	Degradation of forest cover
	HP/N/GRE	0.00	Cultivation	From Posterity		Forest, Grassland	Degradation of forest cover
	HP/N/GRE	0.00	Grazing of livestock	From posterity		Forest, Grassland	Degradation of forest cover
	HP/N/GRE	0.00	Fodder Collection	From posterity		Forest, Grassland	Degradation of forest cover
	HP/N/GRE	0.00	Fuel/Timber extraction	From Posterity		Forest, Grassland	Degradation of forest cover
45	HP/S/DAR	167.40	Fire	Annual		Forest around villages	Degradation and change in habitat
	HP/S/DAR	0.00	Grazing	Annual	3.00	Forest around village and Alpine Thatches	Degradation and change in habitat
46	HP/S/DHA	943.98	Fire (Burning)	Annual	1.00	Forest	Poor regeneration
	HP/S/DHA	0.00	Grazing	Annual	350.00	Forest and Grassland	Degradation, poor regeneration
	HP/S/DHA	0.00	Habitation	Annual		Forest	Degradation, Poor regeneration
	HP/S/DHA	0.00	NTFP Collection.	Annual	70.00	Grassland	Degradation
	HP/S/DHA	0.00	Cultivation	Annual		Forest	Changes in habitat/Vegetation/Forest types
	HP/S/DHA	0.00	Tree Felling	Annual	350.00	Forest	Poor regeneration
47	HP/S/GAM	109.00	Landslide, Erosion,	every year	0.03	Barren Land and Forest	Minimal loss of vegetation.
	HP/S/GAM	0.00	Grazing	Every year	30.00	Grassland, forest	slight impact
	HP/S/GAM	0.00	Habitation	Every year	3.50	Private land	No impact
	HP/S/GAM	0.00	Cultivation	Every year	6.00	Private. Land	No impact
	HP/S/GAM	0.00	Felling	Every year	2.00	Forest (Dead fallen trees only)	No Impact
	HP/S/GAM	0.00	Pilgrimage	Every year	30.00	Forest grassland	No impact
48	HP/S/KAL	69.47	Grazing (Traditional right	Annual	2.00	Forest and grasslands	Poor regeneration
	HP/S/KAL	0.00	Tree felling (Traditional right)	Annual	4.70	Forest	None
	HP/S/KAL	0.00	Charcoal (Traditional rights)	Annual	4.70	Forest	None
	HP/S/KAL	0.00	Habitation	Annual	0.25	Private lands	Changes in habitat/vegetation/forest types

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	HP/S/KAL	0.00	Cultivation	Annual	1.00	Private lands	Changes in habitat/vegetation/forest types
	HP/S/KAL	0.00	Area under road	Annual	1.00	PWD land	Changes in habitat/vegetation/forest types
	HP/S/KAL	0.00	Tourism and Pilgrimage	Annual	0.20		Changes in habitat/vegetation/
49	HP/S/KUG		Grazing	Annual		forests & grasslands	Poor Regeneration & soil Degradation. 1970s* (* the proposal to make a road from hadsar to kugti was cleared a long time ago. This year, maximum funds have been allocated for this road to the PWD.
	HP/S/KUG	0.00	Habitation and cultivation	Annual	0.50	Forests	Negligible
	HP/S/KUG	0.00	NTFP collection	Annual		Forests & Grasslands	Negligible
	HP/S/KUG	0.00	Tourism	Annual		Forest & Grasslands	Noise, Disturbance, Solid wastes
	HP/S/KUG	0.00	OTH	Annual	2.00	Forests	Noise & Disturbance
	HP/S/KUG	0.00	OTH (Road)	1970s	0.50	Forests & Grasslands	Changes in habitat/vegetation/forest types Other (Soil erosion)
	HP/S/KUG	0.00	OTH (Glaciers)	Annual	0.10	Forest & Grasslands	Uprooting + Breaking of trees
50	HP/S/LIP	30.89	Grazing	Every year		Grassland	
	HP/S/LIP	0.00	NTFP (Herb Collection)	Every year		Grassland	
51	HP/S/PON	307.70	Fishing	Annual	307.70	Wetland	Diving Birds may get caught in fishing nets, general disturbance
	HP/S/PON	0.00	Water Sports	Annual	2.00	Wetland	Diving Birds may get caught in fishing nets, general disturbance
	HP/S/PON	0.00	Cultivation on edge of lake	Annual		Wetland	Nesting or feeding may get disturbed
52	HP/S/RUP	269.15	Fire	Annual	10.00	Forest around villages	Degradation and change of the habitat
	HP/S/RUP	0.00	Grazing	Annual	100.00	Forest around villages & Alpine Pastures	Degradation and change of the habitat
53	HP/S/SAN	650.00	Grazing	Every year	650.00	Grassland/Pasture	Regeneration is affected
	HP/S/SAN	0.00	NTFP (Herb Collection)	Every year	487.50	Grassland	Sapling, Seedling gets eaten roots are removed
	HP/S/SAN	0.00	Fodder and Fuel Collection	Every year	325.00	Forest + Grassland	Lopping
	HP/S/SAN	0.00	Habitation	Every year		Forest	Sometimes fire
54	HP/S/SHI	90.37	Floods	1999	3.00	Forest	Change in habitat/Vegetation
	HP/S/SHI	0.00	Erosion	1999	3.00	Forest	Change in habitat/Vegetation
	HP/S/SHI	0.00	Grazing	1999	50.00	Forest	Change in habitat/Vegetation
55	HP/S/TUN	64.00	Grazing	Annual	57.60	Forest and grasslands	Others (Soil degradation)

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	HP/S/TUN	0.00	Habitation and Cultivation	Annual	15.00	Forest	Negligible
	HP/S/TUN	0.00	NTFP Collection	Annual	46.00	Forest and Grasslands	Negligible
	HP/S/TUN	0.00	Tourism and Pilgrimage	Annual	6.40	Grasslands	Noise, Disturbance and solid waste
	HP/S/TUN	0.00	Other (Felling for TD)	Annual	10.00	Forests	Noise, Disturbance
	HP/S/TUN	0.00	Other (Road)	Annual	0.20	Grassland	Changes in habitat/vegetation/forest types
	HP/S/TUN	0.00	Other (Glaciers)	Annual	5.00	Forest and Grassland	Other (Soil erosion)
56	J&K/N/KIS	425.00	Project				Uprooting and Breaking trees
	J&K/N/KIS	0.00	Soil Erosion		42.50		10% of the total area of PA will be affected
	J&K/N/KIS	0.00	Grazing				
57	J&K/S/OVE	425.00	Tourism	Regular		Forest	Disturbance
	J&K/S/OVE	0.00	Development projects			Forest	Disturbance
58	JHA/S/HAZ	186.26	Tree Felling	every year		Forest	Degradation, Poor regeneration, Changes in Habitat/vegetation/forest type
	JHA/S/HAZ	0.00	Cultivation, Grazing, Habitation, NTFP collection, Fire (Burning)	every year		Forest	Degradation, Changes in habitat/vegetation/forest types, Proliferation of hardy species/weeds
	JHA/S/HAZ	0.00	Mines/quarries	every year		Forest	Degradation, Change in habitat/vegetation/forest types
59	JHA/S/PAR	50.80	Landslide, Erosion, Fire				Due to huge land-slide in 1995, the G.T. Road Situated at the foot hill of PA washed away in 30 to 40 feet
60	KAR/N/ANS	250.00	Dams	1997	4.00	Forest land	Habitat Degradation
	KAR/N/ANS	0.00	Grazing	Since Long	0.10	Forest land	Habitat Degradation
	KAR/N/ANS	0.00	Pilgrimage	Since Long	0.18	Forest land	Habitat Degradation
61	KAR/N/KUD	600.32	Grazing, Fire				Since the enclosures are there in the National Park, the cattle grazing is an usual practice. During the period of dry summer in March, April and May Fires are occurring sporadically; and are being extinguished by the staff then and there.
62	KAR/S/ADI	0.89	Grazing	Every year	0.20	Forest land	Decrease in Regeneration.
	KAR/S/ADI	0.00	Fire	Every year	0.05	Forest land	Decrease in Regeneration.
	KAR/S/ADI	0.00	Pilgrimage	Every year	0.02	Forest land	Decrease in Regeneration.
63	KAR/S/ARA	13.50	Grazing, Tree felling, Fire	Every year	4.50	Forest	Degradation, Proliferation of hardy species/weeds
64	KAR/S/DAN	475.02	Development project	1980	4.00	Forest	Biotic pressure

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	KAR/S/DAN	0.00	Habitation	Since long back		Forest	Illegal activities like encroachments, Grazing, illicit felling, forest fire etc
	KAR/S/DAN	0.00	Mining	Since long back	2.00	Forest	Illegal activities like encroachments, grazing, illicit felling, forest fire etc.
	KAR/S/DAN	0.00	Dams	1973	0.10	Forest	Habitat degradation
	KAR/S/DAN	0.00	Dams	1998	9.50	Forest	Submersion of the habitat
65	KAR/S/DOR	55.87	Grazing	Since 1995	12.50	Grassland	Meagre impact on grass land. The same is being avoided by providing boundary stone wall & C.P.T
66	KAR/S/GHA	29.79	Grazing	1979	29.00	Grass land	To some extent only in summer season
67	KAR/S/MEL	49.82	Grazing, Tree felling, Fire	Occasional	10.00	Forest is effected	Poor regeneration & degradation
68	KAR/S/MOO	247.00	Habitation		125.00	Forest and Grassland	Population decline, Degradation, Poor regeneration
69	KAR/S/NUG	30.32	Tree felling, Fire, Grazing	Occasional	2.00	Scrub Forest	Ground fire , occasional felling and grazing
70	KAR/S/RANE	119.00	Grazing	Since 1974	42.50	Grass land	Greater impact. Necessary proposals have been submitted to higher authorities for providing alternate grazing facilities to the surrounding villages
71	KAR/S/SHA	431.26	Sharavathi Dam construction for Hydro Elec. Project.	1963	123.63	Forest land, wet land, grassy patch	Degradation of soils
72	KAR/S/SHE	395.60	Mines/quarries	1970 onward	8.00	Forest	Degradation and Changes in habitat/vegetation/forest type
	KAR/S/SHE	0.00	Dams		8.00	Forest	Submersion of natural forest
	KAR/S/SHE	0.00	Cultivation	1970 onwards		Forest	Degradation
73	KAR/S/SOM	88.97	Grazing, Fire				Grazing- Since the enclosures are there in the NP, the cattle grazing is an usual practice, FIR - During the period of dry summer is March, April and May fires are occurring sporadically; and are being extinguished by the staff then and there
74	KER/N/ERA	100.00	Fire	1990	10.00	Forest, Grassland	
75	KER/S/CHIN	90.44	Grazing	Throughout	20.00	Dry thirus forest	Degradation population decline
76	KER/S/WAY	344.44	Drought	1989	344.44	Forest	Population decline, Degradation
	KER/S/WAY	0.00	Fire	1989-1990	344.44	Forest	Degradation, Poor regeneration, Proliferation of hardy species/weeds

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	KER/S/WAY	0.00	Grazing	All ranges	344.44	Forest	Disease, Degradation, Poor regeneration, Proliferation of hardy species/weeds
	KER/S/WAY	0.00	Habitation	All years	344.44	Forest	Disease, Degradation, Change in habitat/vegetation/forest types
	KER/S/WAY	0.00	NTFP collection	All years	344.44	Forest	Change in habitat/vegetation/forest type
	KER/S/WAY	0.00	Tourism	1986 onwards	35.00	Forest	Disease, Degradation, Others
77	MAH/N/AND	625.40	Fire (Burning)	Every year	290.00	Forest, grassland	Poor regeneration & proliferation of hardy species
	MAH/N/AND		Grazing	Every year	150.00	Forest, grassland	Poor regeneration & proliferation of hardy species
	MAH/N/AND		Tree felling	every year	100.00	Forest	Poor regeneration & proliferation of hardy species
	MAH/N/AND		Minor forest produce collection	every year	200.00	Forest	Degradation
78	MAH/N/NAV	133.88	Tourism	Since declaration of the Park	133.88	Forest	Degradation
	MAH/N/NAV		Fire	Since declaration of the Park	133.88	Forest	Poor regeneration
	MAH/N/NAV		Grazing	Since declaration of the Park	133.88	Forest	Poor regeneration
	MAH/N/NAV		Non Timber Forest Produce collection	Since declaration of the Park	133.88	Forest	Poor regeneration
	MAH/N/NAV		Felling		133.88	Forest	Poor regeneration
79	MAH/N/PEN	257.26	Human activity	From start	257.26	Overall forest	
	MAH/N/PEN		Traffic	From start	257.26	Overall forest	
	MAH/N/PEN		Grazing				
	MAH/N/PEN		Illegal encroachment at Totladoh				
	MAH/N/PEN		Illegal fishing				
	MAH/N/PEN		Hydro electric project at Totladoh				
80	MAH/N/SAN	103.09	Encroachments	1991 onwards	2.00	Forest	Bamboo degradation
	MAH/N/SAN		Girdling	April/May every year		Forest	
81	MAH/S/AMB	127.11	Fire	All throughout the year	2.00	Forest	Poor regeneration & proliferation of hardy species/weeds
	MAH/S/AMB		Grazing	NA		Forest	Poor regeneration
82	MAH/S/ANR	82.94	Cultivation	Before 1986	82.94	Forest	Degradation & poor regeneration
			Habitation	Before 1986	82.94	Forest	Degradation & Poor regeneration

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
			Grazing	Before 1986	82.94	Forest	Degradation & Poor regeneration
			Fire (Burning)	Before 1986	82.94	Forest	Degradation & Poor regeneration
			Tree felling	Before 1986	82.94	Forest	Degradation & Poor regeneration
83	MAH/S/CHA	133.23	Fire (Burning)	1999	4.00	Road side forest floor	Loss of humans
	MAH/S/CHA	0.00	Grazing	1999	20.44	Forest	Loss of forage for herbivores
	MAH/S/CHA	0.00	Non Timber Forest Produce Collection	1999	30.00	Forest	Destruction of habitat
	MAH/S/CHA	0.00	Pilgrimage	1999	0.01	Forest	Excessive human presence in the PA
84	MAH/S/GAU	260.00	Grazing	Long back		Thorny forest & grasses.	Degradation of forest
	MAH/S/GAU	0.00	Fire	1999(March)	9.00		
85	MAH/S/GYA	203.56	Habitation				
	MAH/S/GYA		Fire (Burning)		152.67	Grassland	
	MAH/S/GYA		Grazing		101.78	Grassland & Forest	Trampling leading to grass degradation
	MAH/S/GYA	0.00	Dams				
86	MAH/S/JAI	341.05	Development projects	Since the construction of the dam(1976)		Wetland	Degradation of waterbody
	MAH/S/JAI	0.00	Cultivation	Since the construction of the dam(1976)		Wetland	Degradation of waterbody
	MAH/S/JAI	0.00	Fishing	Since the construction of the dam(1976)		Wetland	Degradation of waterbody
87	MAH/S/KAL	361.71	Grazing				
	MAH/S/KAL		Habitation				
			Non Timber Forest Produce collection				
			Development projects (Ghalzar dam on Panjra river)				
88	MAH/S/KAR	4.27	Tree felling	Every year	0.43	Forest	Loss of vegetation & Disturbance
	MAH/S/KAR		Tourism	Every year	1.71	Forest	Loss of vegetation & Disturbance
89	MAH/S/KAT	57.32	Grazing	Since establishment of the sanctuary	42.99	Forest & Grassland	Migration away from the site
	MAH/S/KAT		Fuel wood collection	Since establishment of the sanctuary	42.99	Forest & Grassland	Migration away from the site

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	MAH/S/KAT		Non Timber Forest Produce Collection	Since establishment of the sanctuary	42.99	Forest & Grassland	
90	MAH/S/NAG	152.81	Tourism	Since declaration of the sanctuary.	152.81	Forest & Grassland	Degradation & Poor regeneration
	MAH/S/NAG		Fire (Burning)	Since declaration of the sanctuary.	152.81	Forest & Grassland	Degradation & Poor regeneration
	MAH/S/NAG		Grazing	Since declaration of the sanctuary.	152.81	Forest & Grassland	Degradation & Poor regeneration
	MAH/S/NAG		Non Timber Forest Produce (NTFP)	Since declaration of the sanctuary	152.81	Forest & Grassland	Degradation & Poor regeneration
91	MAH/S/NAI	29.90	Grazing, Non Timber Forest Produce	Since long	10.00	Forest, grassland	Degradation & poor regeneration
92	MAH/S/NAR		Fire (Burning)				
	MAH/S/NAR	0.00	Due to shortage of water during summer, Monkeys turn to adjoining villages.				
	MAH/S/NAR	0.00	Stray dogs (domestic) from adjoining villages go to the forest & chase/kill antelopes.				
93	MAH/S/PAI	324.64	Fire	Every year	324.64	Forest	Growth restricted, trampling (Grass restricted) & erosion
	MAH/S/PAI		Grazing	Right from the beginning	162.32 to 227.25	Forest	Growth restricted, trampling (Grass restricted & erosion)
94	MAH/S/RAD	351.16	Grazing				
	MAH/S/RAD		Habitation				
95	MAH/S/SAG	10.87	Drought	Every year	10.87	Forest & Grassland	Degradation
	MAH/S/SAG		Fire (Burning)	Every year	0.50	Forest & Grassland	Degradation
	MAH/S/SAG		Development projects	1984	0.10	Forest & Grassland	Degradation
	MAH/S/SAG		Tourism	Every year	10.87	Forest & Grassland	Degradation
	MAH/S/SAG		Pilgrimage	Every year	10.87	Forest & Grassland	Degradation
	MAH/S/SAG		Grazing	Every year	10.87	Forest & Grassland	Degradation

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	MAH/S/SAG		Mines/Quarries	Every year	0.00	Forest & Grassland	Degradation
96	MAH/S/TIP	140.29	Grazing			Forest & Grazing	Degradation
	MAH/S/TIP		Felling			Forest	Degradation
	MAH/S/TIP		Fire (Burning)			Forest & Grassland	Degradation
97	MAH/S/WAN	205.86	Fire				
	MAH/S/WAN		Shortage of Water during summer causes Monkeys to turn to adjoining villages.				
	MAH/S/WAN		Stray dogs (domestic) from adjoining villages go to the forest & chase/kill antelopes.				
98	MAH/S/YED	22.37	Non Timber Forest Produce (NTFP)	Since long	9.10	Grassland and forest	Degradation and poor regeneration
	MAH/S/YED		Grazing	Since long	6.70	Grassland and forest	Degradation and poor regeneration
99	MAN/N/KEI	40.00	Dam	1983	26.00	Wetland	Poor regeneration, Change in habitat/vegetation/forest types.
	MAN/N/KEI	0.00	Human settlement continuing since years			Outside NP-Dry ground	The wild animals are not willing to come near the periphery of the park, thus their habitat is affected reduced by human settlements.
100	MEG/N/BAL	220.00	Fire	Annual		Grass land	
	MEG/N/BAL	0.00	NTFP collection	Annual		Grass land	Degradation and poor regeneration
101	MEG/S/BAG	0.03	NTFP collection	Year Round		Forest	NTFP is very occasional and does not pose serious threat/impact
102	MEG/S/SIJ	5.18	Fire	Annual		Grass land	
	MEG/S/SIJ	0.00	Grazing	Year Round		Forest	Adverse impact on flora and fauna
	MEG/S/SIJ	0.00	NTFP collection	Year Round		Forest	Degradation in poor regeneration
103	MIZ/N/MUR	200.00	Habitation (*Murlen Village HAB-69 families 468 persons)	1891	7.00	Grassland Village Area	
	MIZ/N/MUR	0.00	Fire, felling, cultivation, NTFP collection	Annual	150.00	Forests	Degradation, Proliferation of hardy species/weeds
104	MIZ/N/PHA	50.00	Landslides	1995	1.00	Forests and grassland within the PA	Habitat Destruction

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	MIZ/N/PHA	0.00	Fire	3 Years internal	1.00	Forests and grassland within the PA	Change in habitat
	MIZ/N/PHA	0.00	NTFP collection	Annual	17.00	Forests	Negligible Impact
105	MIZ/S/DAM	500.00	Fire	1990	300.00	Bamboo Forest	Population decline, degradation, Changes in habitat/Vegetation/Forest types
	MIZ/S/DAM	0.00	Fire	1995	0.25	bamboo forest	Degradation
	MIZ/S/DAM	0.00	Fire	1996	0.35	bamboo forest	population decline, degradation, Changes in habitat/vegetation/forest types
	MIZ/S/DAM	0.00	Fire	1999	0.18	bamboo forest	population decline, degradation, Changes in habitat/vegetation/forest types
	MIZ/S/DAM	0.00	Cultivation (Jhumming)	1990	300.00	bamboo forest	population decline, degradation, Changes in habitat
	MIZ/S/DAM	0.00	Cultivation (Jhumming)	1996	0.35	bamboo forest	degradation, changes in habitat/vegetation/forest types
	MIZ/S/DAM	0.00	Cultivation (Jhumming)	1999	0.18	Bamboo forest	degradation, Changes in habitat
	MIZ/S/DAM	0.00	Felling	1995	0.00	Forest	Negligible
	MIZ/S/DAM	0.00	Felling	1996	0.00	Forest	Negligible
	MIZ/S/DAM	0.00	Felling	1998	0.00	Forest	Negligible
	MIZ/S/DAM	0.00	NTFP collection	1990	50.00	bamboo forest	Negligible
106	MIZ/S/KHA	41.00	Fire	Annual	0.70	Forest	Degradation, Proliferation of hardy species/weeds
	MIZ/S/KHA	0.00	Cultivation	5 Year cycle	0.35	Forest	Degradation, Proliferation of hardy species/weeds
107	MIZ/S/LEN	120.00	Fire	Annual	36.00	Forest	Degradation
	MIZ/S/LEN	0.00	Cultivation	Annual	20.00	Forest	Degradation
	MIZ/S/LEN	0.00	Felling	Annual	5.00	Forests	Degradation
	MIZ/S/LEN	0.00	OTH (Hunting)	Annual	90.00	Forest	Degradation
108	MP/N/BAN	1161.47	NTFP (Tendu), Aonla Collection, Mahuwa collection	Every Year	600.00	Forest	Felling lopping of tendu leaves Aonla chiranjji
	MP/N/BAN	0.00	NTFP (Aonla Collection)				
109	MP/N/PEN	292.86	Dam	1990	54.51	Forest	Change in habitat/vegetation/forest types
	MP/N/PEN	0.00	Dev	1985	0.43	Forest	Changes in habitat/vegetation /forest types.
110	MP/N/SAT	524.37	Erosion		400.00	Forest land & Wetland	Degradation, Poor regeneration & Changes in habitat/vegetation/Forest types
	MP/N/SAT	0.00	Pilgrimage		35.00	Forest	Degradation, Poor regeneration & Disease

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
111	MP/S/GAN	368.62	Construction of gigantic Gandhi Sagar dam on chambal river	1954-60		Forest Grassland	Sanctuary is created in 1974. Dam was earlier constructed in 1960.
	MP/S/GAN	0.00	Grazing (Establishment of two cattle camps dhanga of Bakchads)	1950		Forest, Grassland	Those cattle camps were established year ago before formation of sanctuary.
	MP/S/GAN	0.00	Habitation (Inhabitation of chambal colony)	From 1954 onward		Forest Grassland	Colony was settled and constructed before 1974
	MP/S/GAN	0.00	Grazing	Since long back		Grassland	Grazing effecting the habitat and forest cover is reduced and the density also reduce. Grasslands are also reducing.
	MP/S/GAN	0.00	NTFP collection	Since long back		Forest	Grazing effecting the habitat and forest cover is reduced and the density also reduce. Grasslands are also reducing.
	MP/S/GAN	0.00	Felling	Heavy influx of persons		Forest	Grazing effecting the habitat and forest cover is reduced and the density also reduce. Grasslands are also reducing.
	MP/S/GAN	0.00	Tourism	For past two decades		Forest	Grazing effecting the habitat
	MP/S/GAN	0.00	Pilgrimage	Since 1950		Forest	Grazing effecting the habitat
112	MP/S/NAR	57.20	Fire	Every year	5.00	Forest & Grass land	Degradation, Poor regeneration, Changes in habitat/Vegetation/Forest types, Proliferation of hardy species/weeds & Population decline.
	MP/S/NAR	0.00	Cultivation	Before 24/10/80	1.56	Forest & Grass Land	Disease, Degradation, Poor regeneration & changes in habitat/vegetation/forest types
	MP/S/NAR	0.00	Habitation		10.00	Forest & Grass land	Extinction, Degradation, Poor regeneration, change in habitat/vegetation/forest types & Proliferation of hardy species/weeds.
	MP/S/NAR	0.00	Grazing	Yearly	20.00	Forest & Grass land	Disease, Poor regeneration, changes in habitat/vegetation/forest types, Proliferation of hardy spec
	MP/S/NAR	0.00	Felling	Yearly	5.00	forest	Extinction, Degradation, Poor regeneration, changes
	MP/S/NAR	0.00	Tourism	Yearly	3.00	Forest & Grass land	Population decline & Poor regeneration.
113	MP/S/NAT	460.00	Sand mining				
	MP/S/NAT	0.00	Human Pressure				

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	MP/S/NAT	0.00	Cattle Grazing Pressure				
114	MP/S/NOR	1186.96	Fire	Every year	1186.96	Grassland	Degradation/Poor regeneration
	MP/S/NOR	0.00	Grazing	Every day	1186.96	Forest & Grassland	Population decline, Degradation & poor regeneration
	MP/S/NOR	0.00	NTFP	Every day	1186.96	Forest & Grassland	Population decline, degradation, Poor regeneration
	MP/S/NOR	0.00	Other (Movement of villagers & Vehicle)	Every day	1186.96	Forest & Grassland	Population decline, Degradation & Poor regeneration
115	MP/S/SAN		Erosion	Annual		Forest	Degradation, Poor regeneration, Change in Habitat, Proliferation of weeds.
	MP/S/SAN	0.00	Fire	Annual		Forest	Degradation, Poor regeneration, Change in Habitat, Proliferation of weeds.
	MP/S/SAN	0.00	Grazing	Rotational	192.04	Forest	Degradation, Poor regeneration, Change in Habitat, Proliferation of weeds.
	MP/S/SAN	0.00	Habitation	From 1975	59.98	Forest	Degradation, Poor regeneration, Change in Habitat, Proliferation of weeds.
	MP/S/SAN	0.00	NTFP collection	From 1992	304.61	Forest	Degradation, Poor regeneration, Change in Habitat
	MP/S/SAN	0.00	Encroachment	From 1989	12.70	Forest	Degradation, Poor regeneration, Change in Habitat, Proliferation of weeds.
	MP/S/SAN	0.00	Other (Nistar)	Annual		Forest	Degradation, Poor regeneration
116	MP/S/SAR	348.12	Grazing, habitation, cultivation	Every Year	340.00	Revenue Area Agriculture land/Private Lands	Degradation
117	NAG/N/INT	202.02	Village settlement	1993	15.54	Forest land	Degradation
	NAG/N/INT	0.00	Development projects (Play ground)	1993	15.54		Changes in habitat/vegetation/forest types
	NAG/N/INT	0.00	Cultivation	1993	15.54		Degradation, Changes in habitat/vegetation/forest types
	NAG/N/INT	0.00	Tree felling	1993	15.54		Degradation, Changes in habitat/vegetation/forest types, Poor regeneration
	NAG/N/INT	0.00	NTFP collection	1993	40.40		Population decline, Poor regeneration

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
118	NAG/S/PUL	9.23	Landslide	Every year	0.23	Forest	Forest management problem and Degradation
	NAG/S/PUL	0.00	Habitation	Every year	0.10	Forest	Forest management problems and Degradation
	NAG/S/PUL	0.00	Grazing	Every year	0.20	Grassland	Forest management problems and Degradation
	NAG/S/PUL	0.00	NTFP collection	Every year	0.50	Forest and grassland	Forest management problems and Degradation
	NAG/S/PUL	0.00	Tree felling	Every year	0.45	Forest	Forest management problems and Degradation
119	NAG/S/RAN	4.70	Village settlement	1992	2.35	Forest land	Destruction of Wildlife habitat
120	ORI/S/BAD	304.03	Fire	Every year	150.00	Forest	
	ORI/S/BAD	0.00	Grazing	Whole year	150.00	Forest around Village fringes	
	ORI/S/BAD	0.00	Drought	Current Year	304.03	entire PA	
	ORI/S/BAD	0.00	Habitation	Every year	150.00	Forest	
	ORI/S/BAD	0.00	NTFP collection	Every year	304.03	Forest	
	ORI/S/BAD	0.00	Felling	Every year	304.03	2	
121	ORI/S/BAI	168.35	Bamboo working	1995-96	41.36	Forest	Disturbance to habitat and wild animals
	ORI/S/BAI	0.00	Bamboo working	1996-97	33.13	Forest	Disturbance to habitat and wild animals
	ORI/S/BAI	0.00	Bamboo working	1997-98	36.31	Forest	Disturbance to habitat and wild animals
	ORI/S/BAI	0.00	Fire			Forest	Damage to regeneration and eggs of birds & reptiles, invertebrates and insects
	ORI/S/BAI	0.00	Grazing			Forest	Disturbance to wild animals & chances of contamination
	ORI/S/BAI	0.00	Drought				
122	ORI/S/BAL	71.72	Cyclone-1999	1999	36.00	Forest	
	ORI/S/BAL	0.00	Tidal wave	Annually		Forest	
	ORI/S/BAL	0.00	NTFP (Collection of Cashewnut)	Annually		Forest	
123	ORI/S/CHA	193.39	Fire	Every year	90.00	Forest	Population decline and degradation
	ORI/S/CHA	0.00	Felling	Every year	35.00	Forest	Population decline and degradation
	ORI/S/CHA	0.00	Cyclone-1999	1999	193.00	Forest	Population decline and degradation
124	ORI/S/DEB	346.90	FIRE (Fire, Burning)	1997-98	1.60	Ground flora affected	Poor regeneration, young saplings affected
125	ORI/S/HAD	191.60	Hadgarh Dam:Salandi Project, Hadgarh reservoir constructed	1964-72	31.83	Forest, Cultivated land, Villages	Forest, Villages and cultivated land submerged
	ORI/S/HAD	0.00	Fire	Prior to declaration of sanctu	20.00	Forest	Degradation of forest, loss of wildlife habitat
	ORI/S/HAD	0.00	Grazing	Prior to declaration of sanctu	191.60	Forest	Degradation of forest, loss of wildlife habitat

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	ORI/S/HAD	0.00	Habitation/encroachments	1965	15.00	Forest	Degradation of forest, loss of wildlife habitat
	ORI/S/HAD	0.00	Mines/quarries	1965	4.00	Forest	Degradation of forest, loss of wildlife habitat
	ORI/S/HAD	0.00	Tree felling	Way back Prior to first Workin	191.60	Forest	Degradation of forest, loss of wildlife habitat
126	ORI/S/KHA	116.00	Fire	Every year	116.00	Forest, Grassland	
	ORI/S/KHA	0.00	Grazing	Every year		Forest, Grassland	
	ORI/S/KHA	0.00	Habitation	Every year	2.00	Forest, Grassland, Wetland	
	ORI/S/KHA	0.00	NTFP collection	Every year	116.00	Forest	
	ORI/S/KHA	0.00	Cultivation	Every year	2.00	Forest, Grassland, Wetland	
	ORI/S/KHA	0.00	Felling	Every year	116.00	Forest	
127	ORI/S/KOT	399.50	Cultivation, felling	Every Years	399.50	Forest	
	ORI/S/KOT	0.00	NTFP collection	Every year	399.50		
	ORI/S/KOT	0.00	Mining	Pre 1980-2000(stoppe d)	0.13		
128	ORI/S/LAK	174.96	Cyclone-1999	1995		Forest	Uprooting of trees
	ORI/S/LAK	0.00	Cultivation, felling, habitation				
129	ORI/S/SUN	600.00	Fire	Every year	420.00	Forest and Grassland	
	ORI/S/SUN	0.00	Cultivation	Every year	60.00	Forest and Grassland	
	ORI/S/SUN	0.00	Habitation	Every year	160.00	Forest	
	ORI/S/SUN	0.00	Grazing		120.00		
	ORI/S/SUN	0.00	Other-Encroachment				
130	PUN/S/ABO		Cultivation, grazing, fuel wood, Fodder				
131	RAJ/S/JAM	300.00	DAM		4.50	Forest & Grassland forest	Changes in habitat/vegetation/forest types
	RAJ/S/JAM	0.00	Fire	1998	0.16	Forest & Grassland forest	Degradation, Poor regeneration
	RAJ/S/JAM	0.00	Grazing		120.00	Forest & Ramgarh forest	Degradation, Poor regeneration
	RAJ/S/JAM	0.00	Habitation		4.00	Forest & Grassland forest	Degradation, Poor regeneration
	RAJ/S/JAM	0.00	Mining		4.37	Forest & Grassland forest	Degradation, Poor regeneration
	RAJ/S/JAM	0.00	Encroachments		0.17	Forest & Grassland forest	Degradation, Poor regeneration
	RAJ/S/JAM	0.00	Erosion			Forest & Grassland forest	Degradation, Poor regeneration
132	RAJ/S/NAH	52.40	Encroachment	1980	0.55	Forest	Degradation, Poor regeneration

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Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	RAJ/S/NAH	0.00	Mines	1980	0.20	Forest	Degradation, Poor regeneration
	RAJ/S/NAH	0.00	Fire	1980	10.00	Grassland	Poor regeneration, Degradation
	RAJ/S/NAH	0.00	Tree felling	1980	20.00	Forest	Deforestation and degradation, Poor regeneration
133	RAJ/S/TAL	7.19	Drought	1999	7.19	Grass land	Poor regeneration
	RAJ/S/TAL	0.00	Drought	2000	7.19	Grassland	Poor regeneration
134	SIK/N/KHA	1784.00	Landslide			Forest	Degradation, Poor regeneration
	SIK/N/KHA	0.00	Grazing	1970	500.00	Grassland	Population decline, Degradation, Changes in habitat/vegetation/forest types, Proliferation of hardy species/weeds
	SIK/N/KHA		Habitation	1968	0.13	Forest	Degradation, Changes in habitat/vegetation/forest types
	SIK/N/KHA	0.00	NTFP collection			Forest, Grassland	Population decline, Poor regeneration
	SIK/N/KHA	0.00	Cultivation			Forest	Changes in habitat/vegetation/forest types
	SIK/N/KHA	0.00	Felling	Not known		Forest	Population decline, Degradation
	SIK/N/KHA	0.00	Tourism			Forest, grassland, glaciers	Degradation
135	SIK/S/BAR	104.00	Grazing	Lontinuons		Forest	Population decline, Degradation, Poor regeneration
	SIK/S/BAR	0.00	NTFP	Lontinuons		Forest	Population decline, Degradation, Poor regeneration, Changes in habitat/vegetation/forest types
136	SIK/S/KYON	31.00	Grazing		8.00	Forest	Population decline, Degradation, Poor regeneration
	SIK/S/KYON	0.00	Habitation			Forest	Population decline, Degradation, Poor regeneration
	SIK/S/KYON	0.00	Tree felling			Forest	Population decline, Degradation, Poor regeneration
	SIK/S/KYON	0.00	Other (Road bordering the sanctuary)			Forest	Other (air & noise pollution)
137	SIK/S/SHIN	43.00	Landslide	Annual	11.00	Forest	Population decline, Degradation
	SIK/S/SHIN	0.00	Erosion		15.00	Forest	Population decline, Degradation, Poor regeneration
	SIK/S/SHIN	0.00	Grazing		11.00	Forest	Population decline, Degradation, Poor regeneration

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	SIK/S/SHIN	0.00	NTFP		11.00	Forest	Degradation
	SIK/S/SHIN	0.00	Tourism		4.50	Forest	pollution
	SIK/S/SHIN	0.00	Development projects (Road)		4.50	Forest	pollution-noise air
	SIK/S/SHIN	0.00	OTH (Snow, avalanche)	Annual	11.00	Forest	Degradation, Poor regeneration
138	TN/N/GUL	6.23	OTH-Fishing	Many years	6.23	Islands	Degradation, Population decline
	TN/N/GUL	0.00	OTH- Collection of corals illegally	Not known	6.23		
139	TN/N/IND	958.00	Tea, Coffee, Cardamom in higher and coconut and mango in louse area	1929-1961	191.00	Forest	Corridor outside RF broken, forest fragmentation, increase in man W/L conflict
	TN/N/IND	0.00	High ways within PA				Soil erosion
	TN/N/IND	0.00	Tribal activities				Ecological disturbances
140	TN/N/MUD	321.00	Fire		20.00		
	TN/N/MUD	0.00	Grazing		27.00	Scrub Jungle	Degradation
	TN/N/MUD	0.00	Habitation		3.00		
	TN/N/MUD	0.00	Tourism		5.00		
	TN/N/MUD	0.00	Pilgrimage		7.00		
	TN/N/MUD	0.00	NTFP collection		9.00		
	TN/N/MUD	0.00	Dam	805	4.50	Scrub Jungle	Animals are disturbed
	TN/N/MUD	0.00	Plum channel	95	8.00		
	TN/N/MUD	0.00	Vehicle movement				
	TN/N/MUD	0.00	Felling			Scrub Jungle	
141	TN/S/CHI	0.48	OTH- Water from tank is used for irrigation of fields nearby	Every year	0.48	Wetland	Degradation
142	TN/S/GRI	496.38	Floods	Yearly	10.00	Forest	
	TN/S/GRI	0.00	Drought	Frequently	496.38	Forest, Grassland	Degradation
	TN/S/GRI	0.00	Erosion	At the time of flood	49.64	Forest Grassland	Degradation
	TN/S/GRI	0.00	Fire	Yearly	24.82		Degradation
143	TN/S/KAN	1.07	OTH- Water from tank used for irrigation of surrounding paddy fields	Every year	1.07	Wetland	Degradation, Poor regeneration
144	TN/S/KARI	0.65	Tourism			Wetland	Disturbance to birds
	TN/S/KARI	0.00	Cultivation		0.04		No water
145	TN/S/POIN	25.00	Grazing		5.60	Grass land	
	TN/S/POIN	0.00	Tourism	2%		Grass land	
	TN/S/POIN	0.00	Pilgrimage	1%		Forest	
	TN/S/POIN	0.00	Fishing				
146	TN/S/PUL		Fishing		20.00	Wet lands	Depletion of food to the birds
147	TN/S/VED	0.27	Tourism				

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
148	TN/S/VELL	0.77	No activities inside protected area				
149	TN/S/VET	0.38	OTH- water from tanks used for irrigation of surrounding paddy fields	Every year	0.38	Degradation	
150	TRI/S/GUM	389.59	OTH	since long		forest wetland grassland	ER (erosion), Extinction, proliferation of hardy species/weeds, population decline
	TRI/S/GUM	0.00	Felling				
	TRI/S/GUM	0.00	Grazing				
	TRI/S/GUM	0.00	Habitation				
151	TRI/S/TRI	194.70	Drought	1999	30.00	Grassland, wetland	Animal move to buffer zone and nearby paddy land for food and water.
	TRI/S/TRI	0.00	Grazing	every yr.	50.00	Grassland, wetland	
	TRI/S/TRI	0.00	NTFP collection	every yr.	50.00	Bamboo forests	Disturbed habitate, Create scarcity of food for Bison & wild animals
152	UP/S/CHA	96.00	DAM	1957		Forest, Grassland & Wetland	Extinction, Degradation & nuisance
	UP/S/CHA	0.00	Grazing		30.00	Forest, Grassland & wetland	Extinction, degradation & nuisance
	UP/S/CHA	0.00	Mining			Forest, Grassland & Wetland	Extinction, Degradation & nuisance
153	UTT/N/COR	520.82	DAM, Tourism	1962-74	42.20	Forest, grass land and wetland	Extinction of trees, grassland which sub merged in reservoir
154	UTT/S/BIN	47.07	(check dam) DAM	1992-94, 96-98		Pine forest	OTH-Helps in soil conservation by checking soil washed away by rains. Protects trees growing in river beds. The chaks & estates inside the PA, though technically not on forest land, occupy 140.5 ha of land inside the WLS.
	UTT/S/BIN	0.00	Fire	1999,98,97	6.38	Pine forest	Poor regeneration, Changes in habitat/vegetation/forest types (habitat destruction), Soil erosion
	UTT/S/BIN	0.00	Grazing	regular	4.70	Pine forest	Negligible
	UTT/S/BIN	0.00	Cultivation				South-soil erosion
	UTT/S/BIN	0.00	Tourism	annual	14.00	Pine + Oak	Heavy disturbance, Poor regeneration
	UTT/S/BIN	0.00	Pilgrimage	annual	0.50	Pine + Oak (Negligible impact)	Loosening of soil by cattle hoofs.

Table 1.17: Human Activities and Other Natural Phenomenon Having an Impact on the Habitat of PAs

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area Affected	Habitat	Impact
	UTT/S/BIN	0.00	Habitation, NTFP collection	annual	15.00	Transition between Pine & Oak	Poor regeneration
155	UTT/S/KED	975.20	Landslide	1998	1.00	Forest	Degradation
	UTT/S/KED	0.00	Development projects	1998	0.50	Forest, Grassland	Degradation
	UTT/S/KED	0.00	Grazing	till date	20.00	Forest	Degradation, Poor regeneration
156	WB/S/BET	0.67	Plantation of the PA with non-indigenous spp. like Teak	1950,1951,1952	0.67	Forest	Changed the original habitat
157	WB/S/HAL	5.95	Flooding	Annual	1.25	Mangrove	Degradation/poor regeneration
	WB/S/HAL	0.00	Tidal wave	Annual	1.25	Mangrove	Degradation/Poor regeneration
158	WB/S/RAI	1.30	Floods	1987,1993,1996,1997,1998,1999	1.30	Forest	
	WB/S/RAI	0.00	Erosion	1997,1998,1999	0.01	Forest	Soil erosion
159	WB/S/SEN		Illegal Fire wood collection	Later before 1987			Depletion is very rapid
	WB/S/SEN	0.00	Encroachment during and before GNLf movement	Before 1987			Depletion is very rapid
160	WB/S/SUN	2585.00	Floods	Every Year	2585.00	Forest	Adversely affect the eco-system
	WB/S/SUN	0.00	Cyclone	Every year	2585.00	Forest	Adversely affect the eco-system
	WB/S/SUN	0.00	Erosion	Every year	2585.00	Forest	Adversely affect the eco-system

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
1	A&N/S/CUT	5.82	Feral Dogs	The year of encroachment of the area	5.82	The turtle eggs	Extinction, population decline, Increased threat from predators/hunters
	A&N/S/CUT		Fishing			Sharks	Extinction
	A&N/S/CUT		Trapping			Terrestrial wildlife	Population decline
	A&N/S/CUT		Tourism	Seasonal	5.82	Sea turtle	Extinction, population decline, loss of breeding site
2	AP/N/MAH	14.59	Large scale urbanisation around the area	Last 20 years	14.59		Habitat degradation, fragmentation
	AP/N/MAH		Locating the municipal garbage dumping ground adjacent to the park	Since 1980	14.59	All species including birds	Air, soil and water pollution affecting plant and animal health
3	AP/N/VEN	2525.97	Pilgrimage		25.00	Spotted deer, sambhar, four horned antelope, panther, Langur	Migration away from the site
4	AP/S/COR	235.70	Cyclone	November 1996		Birds - Egrets mostly	Population decline
	AP/S/COR		Fishing				Regeneration is affected population decreases
5	AP/S/ETU	803.00	Fire (Ground fires)			Wild animals and Ground flora are All affected	Wild animals and Ground flora are affected
	AP/S/ETU		Grazing	Regular	200.00	All - mostly ungulates	Wild animals are disturbed and results in competition for water and food-resource
	AP/S/ETU		NTPP collection and beedi leaf collection in Buffer zone		350.00	Ungulates	Causes disturbance to wild animals during the collection
6	AP/S/KAW	893.00	Hunters	1993-94		four horned antelope	

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	AP/S/KAW		Hunters	1998		Tiger	
	AP/S/KAW		Hunters	1999		Peafowl	
	AP/S/KAW		Hunters	1999		Panther	
	AP/S/KAW		Hunters	1994		Chinkara	
	AP/S/KAW		Hunters	1998		four horned antelope	
7	AP/S/KOL	308.00	Cultivation	Entire year		Effect on local birds and migratory birds	Loss of breeding site
	AP/S/KOL		Pisciculture	1976 onwards			Loss of breeding site
8	AP/S/KOU	357.63	Drought	1995, 1997, 1999	357.63		
9	AP/S/KRI	194.21	Cyclone	1977		All fauna	Extinction
10	AP/S/PAK	860.00	Fire				Extinction, Population decline, Migration away from the site, Loss of breeding site, Loss of food source, Increased threat from predators/hunters
	AP/S/PAK		Habitation			All	Population decline, Migration away from the site, Loss of water source, Increased threat from predators/hunters
11	AP/S/PAP	590.68	Foot and mouth disease	1996		Bison	Population decline
	AP/S/PAP		Flood			Bison, Sambhar, Barking Deer	
	AP/S/PAP		Shooting	1984		Bisons	Disease
12	AP/S/POC	130.00	Fire		18.00	Nilgai, Sambhar, Chital, Panther, Monitor Lizard, Python	Population decline, Migration away from the site and Increased threat from predators/hunters

Table 1.18. Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	AP/S/POC		Cultivation	Past 12 years		Nilgai, Sambhar, Chital, Panther, Monitor Lizard, Python	Population decline, Migration away from the site and Increased threat from predators/hunters
	AP/S/POC		Tree felling		35.00	Nilgai, Sambhar, Chital, Panther, Monitor Lizard, Python	Population decline, Migration away from the site and Increased threat from predators/hunters
	AP/S/POC		Grazing		32.00	Nilgai, Sambhar, Chital, Panther, Monitor Lizard, Python	Population decline, Migration away from the site and Increased threat from predators/hunters
13	AP/S/POC		NTFP collection			Nilgai, Sambhar, Chital, Panther, Monitor Lizard, Python	Population decline, Migration away from the site and Increased threat from predators/hunters
14	AP/S/PRA	136.00	Hunters	1994		Tiger, Panther	
	AP/S/PUL	461.00	Development projects	1970 onwards	461.00		Reduced water flow
15	ARU/N/NAM	1985.25	Miao-Vijaynagar road.		4.50	Tiger, Deer, Birds, Fishes	Population decline and habitat fragmentation.
	ARU/N/NAM		Habitation (Lisu migrants)	1996	4.45	Tiger, Deer, Birds, Fishes	Population decline and habitat fragmentation.
16	ARU/S/DER	190.00	OTH - Hunting	Every year, during the dry season	190.00	Wild buffalo, Hog deer, Barking deer, wild boar, Sambhar	Population decline
17	ARU/S/MEH	281.50	Flooding	Every Year	0.01		
	ARU/S/MEH		Habitation	Time			
	ARU/S/MEH		NTFP collection	Immemorial	9.80	Sambhar	Loss of breeding site
	ARU/S/MEH			Time			
	ARU/S/MEH			Immemorial	98.00	Bees	Increased threat from Predators
	ARU/S/MEH		Cultivation	Time			
	ARU/S/MEH			Immemorial	30.00	Slow Loris	Population decline

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	ARU/S/MEH		Felling	1964	0.20	Hornbill	Loss of Breeding site
	ARU/S/MEH		Tourism	1980	0.30		
	ARU/S/MEH		Pilgrimage	1996	0.00		
	ARU/S/MEH		Development projects	1980	0.98		
	ARU/S/MEH		Grazing	Every Year	20.00	Wild Cat	Loss of Breeding site
	ARU/S/MEH		Fires	1999	2.00	Hoolock Gibbon	Migration away from the site
	ARU/S/MEH		Landslides	Every Year	0.01		
	ARU/S/MEH		Erosion	Every Year	0.01		
							Loss of food source, Malnutrition, Increased threat from predators/hunters
18	ASS/N/DIB	340.00	Flood	Annual	340.00	Terrestrial Animals	
	ASS/N/DIB		NTPP collection	Every year		Birds	Loss of food source
	ASS/N/DIB		Habitation		1.00		Fishing and turtles (Trapping)
	ASS/N/DIB		Cultivation	Every year	1.00		
	ASS/N/DIB		Erosion	Annual			
	ASS/N/DIB		Grazing	Annual	40.00	Herbivores	Loss of food source
							Migration away from the site, Loss of breeding site, Loss of food source, Increased threat from predators/hunters. All most all the animal more or less affected by Flood, Erosion, Fire. During high flood (as in 1988 and 1998) majority of population affected
19	ASS/N/KAZ	407.90	Flood	Every year	280.00	Rhino, Wild buffalo, Elephant, Swamp deer, Tiger, Sambhar, Hogdeer	
						Rhino, Wild buffalo, Elephant, Swamp deer, Tiger, Sambhar, Hogdeer	
	ASS/N/KAZ		Tourism	Every year	15.00		negligible disturbance
						Rhino, Wild buffalo, Elephant, Swamp deer, Tiger, Sambhar, Hogdeer	
	ASS/N/KAZ		Erosion	Every year			Loss of portion of habitat

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	ASS/N/KAZ		Fire (Controlled burning)	Every year	262.00	Rhino, Wild buffalo, Elephant, Swamp deer, Tiger, Sambhar, Hogdeer	Temporary loss of hiding, food source
20	ASS/N/MAN	519.77	Grazing	1989		Pigmy Hog, Hispid Hare, Rhino, Swamp Deer	Population decline, loss of breeding site, loss of food source, Increased threat from predators/hunters
	ASS/N/MAN		Cultivation	1989	8.00	Elephant, Tiger, Swamp Deer, Golden Langer	Population decline, Migration away from the site, Loss of breeding site, Loss of food source, increased threat from predators/hunters
	ASS/N/MAN		Felling		15.00	Tiger, Elephant, Pigmy Hog, Deer, Primates	Migration away from the site, Loss of food source
21	ASS/N/ORA	78.80	Poaching		78.80		
22	ASS/S/BAR	26.21	Drought (Dry season)	Every	8.00	Elephant, Bison, Horn bill, Peafowl, Wild pig, Hog deer	Loss of food source, Loss of water source
	ASS/S/BAR		Poaching		20.00	Hog deer Wild Pig	Population decline
	ASS/S/BAR		NTPP collection				Yes disturbance
	ASS/S/BAR		Tree felling	1989	9.00	Elephant, Bison, Horn bill, Peafowl, Wild pig, Hog deer	Migration away from site.
	ASS/S/BAR		Grazing	Every year	10.00	Elephant	Migration away from site, Loss of water source
23	ASS/S/LAO	70.10	Others (Hunting)	1983	70.13	Indian one horned rhinoceros	Migration away from the site, Increased threat from predators/hunters

Table 1.18. Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	ASS/S/LAO		Cultivation	Every year	20.00	barking deer	Migration away from the site, Loss of breeding site, Loss of food source, Increased threat from predators/hunters
	ASS/S/LAO		Dyke		50.00	Dike helps animals to congregate	Trespassing becomes easy, Migration away from the s
	ASS/S/LAO		Tree felling	Since 1983, Peak 1993	70.13	Not effected	
	ASS/S/LAO		Floods	Every year	50.00	Elephant, hog deer	Population decline, Disease, Migration away from the site, Loss of breeding site, Loss of food source, Increased threat from predators/hunters
	ASS/S/LAO		Grazing	Every year	20.00	Barking deer	Disease, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators/hunters
24	ASS/S/PAN	33.93	Flooding		33.93		Loss of breeding site and loss of food source
	ASS/S/PAN		Grazing		33.93		Loss of breeding site and loss of food source
							Migration away from the site, Loss of food source, Malnutrition, Increased threat from predators/hunters
25	ASS/S/POB	16.00	Tree felling	Every year	16.00	Rhino	Loss of water source
	ASS/S/POB		Siltation	Every year		Rhino	Migration away from the site, Loss of food source, Increased threat from predators/hunters
	ASS/S/POB		Grazing	Every year	6.80	Rhino	
	ASS/S/POB		Grazing	Every year	6.80	Avi fauna	Extinction, Population decline, Loss of breeding site, Loss of food source

Table 1.18. Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
26	ASS/S/SON	220.00	Habitation	1996	5.90	Barking deer	Pollution decline, Migration away from the site, Increased threat from predators/hunters
	ASS/S/SON		Tree felling	1996	5.90	Hog Deer	
	ASS/S/SON		Cultivation	1997	5.90		
27	BIH/S/RAJ	35.84	Grazing		30.00	Deer	population decline, disease & migration away from the site
	BIH/S/RAJ		Fires		12.00	Rabbit, Antelope	Migration away from the site
	BIH/S/RAJ		Tourism		2.00	Nilgai, Wild boar	loss of breeding site
28	CHT/N/IND	2799.09	Grazing	Every year	559.82	Wild buffalo	Decline in number
	CHT/N/IND		Parad (Hunting festival)	Every year in the month of April	559.82	All wildlife species especially herbivores	Decline in Number
29	CHT/N/KAN	200.00	Cultivation	1987	3.00	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up source	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		Bamboo shoots cutting	Since very long	20.00	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up source	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	CHT/N/KAN		Grazing	Since very long	10.00	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		Tourism	1984		All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		Fishing by tribals	Since very long		All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		Fire	Since very long	60.00	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	CHT/N/KAN		Bamboo cutting	Since very long. Before the park was notified	20.00	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		Felling	Since very long. Before the park was notified		All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		Habitation	1987	0.70	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source
	CHT/N/KAN		NTFP collection	Since very long. Before the park was notified	40.00	All faunal species census show a downward trend of their status especially Tiger. Also herbivore population is not building up	Population Decline, Migration away from site, Loss of Breeding Site, Increased threat from predators/hunters, Loss of food source

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
30	CHT/S/ACH	551.55	P.W.D. road passing through the PA	Round the year	80.00	All kinds of faunal species	Noise pollution
	CHT/S/ACH		Forest villages	Round the year	200.00	All kinds of faunal species	Human population disturbs the wild animal.
31	CHT/S/BAD	104.45	Habitation	Before the creation of PA		Rabbit, Jangali Murgi, Wild pig, Titar, Batur, Parrot slightly	Number of Listed species affected
	CHT/S/BAD		Cultivation	Before the creation of PA			
	CHT/S/BAD		Felling			Honey bee, Parrot	
32	CHT/S/BAG	478.00	Erosion	Annual	15.00	Panther	Migration
	CHT/S/BAG		Habitation	1978	50.00	Blue bull	Infection
	CHT/S/BAG		Other (Nistar)	Annual		Black buck, Blue bull	Site Degradation
	CHT/S/BAG		NTPF collection	1978	300.00	Black buck, Chinkara	Site Degradation
	CHT/S/BAG		Fire	Annual	10.00	Black buck, Blue bull	Migration
	CHT/S/BAG		Grazing		20.00	Black buck	Infection
33	CHT/S/BHA	138.95	Encroachment	1995	18.50	Wild buffalo	
34	CHT/S/SIT	558.55	Fire	Yearly	0.35	All species	(i) Loss of food sources (ii) Migration away from the site
	CHT/S/SIT		Felling	Yearly	55.80	All species	(i) Loss of food sources (ii) Migration away from the site
	CHT/S/SIT		Grazing	Yearly	140.00	Herbivores	(i) Loss of food sources (ii) Migration away from the site
	CHT/S/SIT		NTPF collection	Yearly	140.00	Herbivores	(i) Loss of food sources (ii) Migration away from the site
35	CHT/S/TAM	608.53	Fire	Before the formation of the PA	210.00	Tiger, Leopard	(1) Population decline (2) Loss of food source

Table 1.18 Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	CHT/S/TAM		Grazing	Before the formation of the PA	32.00	Peafowl	Migration away from the site
	CHT/S/TAM		NTPP collection	1990	593.00	Fishes	
36	DEL/S/ASO	27.81	Grazing	1986	10.00	Nilgai, Jackal	Migration away from the site, Loss of food source, Loss of water source.
	DEL/S/ASO		Mining	1986	4.00	Nilgai, Jackal	Migration away from the site, Loss of food source, Loss of water source.
	DEL/S/ASO		NTPP collection	1986	10.00	Nilgai, Jackal	
37	GUJ/N/BAN		Nature education camp		23.99		
	GUJ/N/BAN		Soil moisture conservation works		23.99		Proper environmental condition for introducing other prey animal
	GUJ/N/BAN		Fodder plantation		23.99		Not much negative impact. Positive impacts include SMC works nature education; camp closures (fodder plantations)
38	GUJ/S/PUR	160.80	SMC works				
	GUJ/S/PUR		Fodder plantation				
	GUJ/S/PUR		Nature Education camp				
39	GUJ/S/WIL	4953.00	Salt production	1873		Wild Ass	Moves out of PA/ loss of habitat/
40	HAR/S/BIRB	8.00	Felling	1999	6.00		
						All migratory fauna species	Population decline, Migration away from the site, Loss of breeding site, food source & Water source
41	HAR/S/CHIL	0.28	Cultivation			Hog Deer	
42	HAR/S/SAR	44.02	Grazing				
43	HP/N/GRE	905.40	Grazing	From posterity	905.40	All animals	Ecology and biodiversity of the area has been effected badly

Table 1.18. Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
44	HP/S/DAR	167.40	Fire	Annual	2.10	All pheasants, Musk Deer, Ghoral, Black Bear	(1)Disturbance in breeding(2)Food scarcity
	HP/S/DAR		Grazing	Annual	3.00	All pheasants, Musk Deer, Ghoral, Black Bear	(1)Disturbance in breeding(2)Food scarcity
45	HP/S/DHA	943.98	Fire	Annual	1.00	Pheasants	Population decline, Migration away from the site, Loss of breeding site, Loss of food source
46	HP/S/GAM	109.00	Felling	Every year	2.00	Ungulates	General Disturbance
	HP/S/GAM		Grazing	Every year	30.00	Ungulates	General Disturbance
47	HP/S/KAL	69.47	Grazing	Annual	2.00	Herbivores	Loss of breeding site, Loss of food source
	HP/S/KAL		Tourism and Pilgrimage	Annual	0.20	All animals	General disturbance
	HP/S/KAL		Area under roads	Annual	1.00	All animals	General disturbance
48	HP/S/KUG		Grazing	Annual		No estimate	Migration away from the site & Disease
	HP/S/KUG		OTH (Glacier)	Annual		No estimate	Population decline & Loss of breeding site & Loss of food source
49	HP/S/PON	307.70	Fishing	Annual	307.70		Diving birds may get caught in fishing nets
	HP/S/PON		Water Sports	Annual	2.00		General disturbance
	HP/S/PON		Cultivation on the edge of the lake	Annual			Nesting or feeding may get disturbance
50	HP/S/RUP	269.15	NTFP Collection	Annual	90.00	Monal, Musk Deer, Western Tragopan	Disturbance in breeding
	HP/S/RUP		Fire	Annual	10.00	Ghoral, Monal, Musk Deer, Western Tragopan	Disturbance in habitat

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	HP/S/RUP		Grazing	Annual	100.00	Ibex, Blue Sheep, Himalayan Tahr, Goral, Western Tragopan, Monal, Musk Deer	(1)Completion for food(2)Change in habitat
51	HP/S/SAN	650.00	Grazing	Every year	650.00		Food for herbivores and Pheasants decrease
	HP/S/SAN		Herb collection (NTFP)	Every year	487.50		Food for herbivores and Pheasants decrease
	HP/S/SAN		Fuel and Fodder collection	Every year	325.00		Food for herbivores and pheasant decrease
52	HP/S/TUN	64.00	Grazing	Annual	57.60	Herbivores	Migration away from the site. Disease
	HP/S/TUN		Other (Glacier)	Annual	6.40	All mammals	Population decline. Loss of Breeding. Loss of food sources
53	JHA/S/HAZ	186.26	Poaching			All mammals	Extension, Population decline
	JHA/S/HAZ		Fire (Burning)			All mammals	Migration away from the site, Loss of breeding site, Loss of food source
	JHA/S/HAZ		Cultivation			All mammals	Migration away from the site, Loss of breeding sit
	JHA/S/HAZ		Grazing			All mammals	Diseases, Migration away from the site, Loss of breeding site, Loss of food source
	JHA/S/HAZ		Tree felling			All mammals	Migration away form the site, Loss of breeding site, Loss of food source
	JHA/S/HAZ		Habitation			All mammals	Migration away from the site, Extinction, Population decline
54	JHA/S/UDH		Habitation	1992	1.27		Population decline. Migration away from the site. Loss of food source

Table 1.18. Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
55	KAR/N/KUD	600.32	Not affected so far				
56	KAR/N/NAG	643.39	Habitation			Four horned antelope	Migration away from the site
57	KAR/S/ADI	0.89	Grazing	Every year	0.02	Peafowl, Quails	Habitats gets effected
	KAR/S/ADI		Fire	Every year	0.05		
	KAR/S/ADI		Pilgrimage	Every year	0.02		
58	KAR/S/ARA	13.50	Grazing, Tree felling, Fire	Every year	4.50	Chital	Loss of food source, Loss of water source
59	KAR/S/MEL	49.82	Grazing, Fire, Tree felling	Occasional	10.00	Spotted deer, Black Buck,	Animals migrates away from the disturbed area
60	KAR/S/MOO	247.00	Habitation		125.00		Population decline, Loss of breeding site, Loss of food source, Loss of water source
61	KAR/S/RANG	67.00	Tourism		0.50		Slight disturbances to the breeding birds
62	KAR/S/SHE	395.60	Dams (Development Projects)		8.00	Elephant	
	KAR/S/SHE		Cultivation	1970		All wild animals	Disturbance to wild animals and their habitat degradation
	KAR/S/SHE		Grazing		295.00	Spotted deer	Scarcity of fodder like grass and other fodder species
	KAR/S/SHE		Mines/quarries (Commercial Projects)		8.00	All type of wild animals	Disturbance of wildlife
63	KER/S/CHIN	90.44	Grazing	1996	20.00	Sambhar	Population decline
64	KER/S/WAY	344.44	Drought	1989-90	344.44	Elephant, Gaur, Reptiles	Loss of food source, Migration away from the site, Loss of water source
	KER/S/WAY		NTPP collection	From posterity	344.44	Deer, Bear, Birds	Loss of food source
	KER/S/WAY		Tourism	Since 1986	35.00	Deer, Elephant, macaque	Disease, Migration away from the site, Malnutrition

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	KER/S/WAY		Fire	1989-90	344.44	Elephants, Birds, Small herbivores	Loss of food source, Migration away from the site, Loss of water source
	KER/S/WAY		Grazing	From posterity	344.44	Gaur, Herbivores	Disease, Loss of food source, Loss of water
65	MAH/N/NAV	133.88	Tourism	Since declaration of the park	133.88	All	
	MAH/N/NAV		Non Timber Forest Produce collection (NTPP)	Since declaration of the park	133.88	All	
	MAH/N/NAV		Felling	Since declaration of the park	133.88	All	
	MAH/N/NAV		Fire	Since declaration of the park	133.88	All	
	MAH/N/NAV		Grazing	Since declaration of the park	133.88	All	
66	MAH/N/SAN	103.09	Encroachment	1991 onwards			Leopard territory disturbance
	MAH/N/SAN		Mines/Stone quarries				Partridge habitat disturbance
	MAH/N/SAN		Tourism			Small species	Habitat loss of Jungle Fowl & Pea fowl
	MAH/N/SAN		Fire (Burning)				Habitat loss
	MAH/N/SAN		Grazing				Habitat loss (Lantana & Bulbul)
67	MAH/S/AMB	127.11	Fire	From posterity	2.00	Monkeys and Antelopes	Migration away from the site
68	MAH/S/ANR	82.94	Cultivation		82.94	Hare	Migration away from the site
	MAH/S/ANR		Tree felling		82.94	Peafowl	Population decline
	MAH/S/ANR		Grazing		82.94	Chinkara	Loss of food source
	MAH/S/ANR		Fire (Burning)		82.94	Sloth bear	

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
69	MAH/S/ANR		Habitation		82.94		
	MAH/S/CHA	133.23	Fire (Burning)	1999	4.00		Migration away from the site
	MAH/S/CHA		Grazing	1999	20.44	All herbivores listed	Loss of food source
	MAH/S/CHA		Non Timber Forest Produce collection	1999	30.00	Unknown	Migration away from the site
	MAH/S/CHA		Pilgrimage	1999	0.01	Unknown	Migration away from the site
70	MAH/S/GAU	260.00	Grazing			Barking deer, Chinkara	Food availability of fauna is reduced
	MAH/S/GAU		Fire			Barking deer, Chinkara	Food availability of fauna is reduced
71	MAH/S/GYA	203.56	Fire			All herbivores	Migration of sloth bear and food habitat of herbivores.
	MAH/S/GYA		Grazing			All herbivores	Migration of sloth bear and food habitat of herbivores.
72	MAH/S/JAI	341.05	Developmental projects	Since the construction of the dam in 1976	341.05	Avi fauna	Might affect the immigration of the birds in the longrun.
	MAH/S/JAI		Cultivation	Since the construction of the dam in 1976	341.05	Avi fauna	Might affect the immigration of the birds in the longrun.
	MAH/S/JAI		Fishing	Since the construction of the dam in 1976	341.05	Avi fauna	Might affect the immigration of the birds in the longrun.
73	MAH/S/KAR	4.27	Tree felling			Can't be ascertained	Habitat destruction
	MAH/S/KAR		Tourism			Can't be ascertained	Habitat destruction

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
74	MAH/S/KAT	57.32	Forest fire	Since establishment of the P.A.	14.33	All	Migration away from the site
	MAH/S/KAT		Grazing	Since establishment of the P.A.	14.33	All	Migration away from the site
75	MAH/S/NAG	152.81	Tourism	Since the establishment of the P.A.	152.81	All	Migration of fauna, loss of breeding site, loss of food source & increased threat from predator & hunters.
	MAH/S/NAG		Fire	Since the establishment of the P.A.	152.81	All	Migration of fauna, loss of breeding site, loss of food source & increased threat from predator & hunters.
	MAH/S/NAG		Grazing	Since the establishment of the P.A.	152.81	All	Migration of fauna, loss of breeding site, loss of food source & increased threat from predator & hunters.
	MAH/S/NAG		Non Timber Forest Produce (NTFP) collection	Since the establishment of the P.A.	152.81	All	Migration of fauna, loss of breeding site, loss of food source & increased threat from predator & hunters.
	MAH/S/NAG		Felling	Since the establishment of the P.A.	152.81	All	Migration of fauna, loss of breeding site, loss of food source & increased threat from predator & hunters.
76	MAH/S/NAI	29.90	Grazing, NTFP	From posterity	10.00	Peafowl, Blackbuck	Loss of food source
77	MAH/S/PAI	324.64	Fire		324.64	Herbivores	Food species get burnt
	MAH/S/PAI		Grazing		162.32 to 227.25	Herbivores	
78	MAH/S/SAG	10.87	Drought	Every year	10.87	Hyaena	Population decline

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	MAH/S/SAG		Fire (Burning)	Every year	10.87	Pangolin	Extinction
	MAH/S/SAG		Developmental projects	Every year	10.87	Indian wolf	Population decline
	MAH/S/SAG		Tourism	Every year	10.87	All species	Migration away from the site
	MAH/S/SAG		Pilgrimage	Every year	10.87	All species	Migration away from the site
	MAH/S/SAG		Grazing	Every year	10.87	All species	Migration away from the site
	MAH/S/SAG		Mines/Stone quarries (Commercial)	Every year	10.87	All species	Migration away from the site & Loss of food source
79	MAH/S/TIP	140.29	Illegal poaching of Blue Bull	Since April 1998			
	MAH/S/TIP		Illegal Poaching of Black buck	May-99			
	MAH/S/TIP		Illegal poaching of Blue bull	Jun-99			
	MAH/S/TIP		Illegal Poaching of Blue Bull	Aug-99			
80	MAH/S/SWAN	205.86	Panther skin (Poaching)	1999		Panther	Increased threat from hunters.
	MAH/S/SWAN		Tiger Skin (Poaching)	1999		Tiger	Increased threat from hunters.
	MAH/S/SWAN		Chausingha Skin (Poaching)	1999		Chausingha	Increased threat from hunters.
81	MAH/S/YAW	177.52	Tree felling		177.52	Tiger	Population decline, Migration away from the site, Loss of food source
	MAH/S/YAW		Fire (Burning)		177.52	Wild Dog	Population decline, Migration away from the site, Loss of food source
	MAH/S/YAW		Grazing			Chinkara	Loss of food source.
	MAH/S/YAW		Habitation		177.52	Chausingha	Population decline, Migration away from the site, Loss of food source

Table 1.18. Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	MAH/S/YAW		Non Timber Forest Produce (NFTP) collection		177.52	Chinkara	Population decline, Migration away from the site, Loss of food source
82	MAH/S/YED	22.37	Non Timber Forest Produce (NFTP) collection	From time immemorial	10.00	Peafowl, Black buck	Loss of food source
	MAH/S/YED		Grazing	From time immemorial	7.00	Black buck, Peafowl	Loss of food source
83	MAN/N/KEI	40.00	Dam	1983	26.00	Sangai, Hog Deer, Wild Boar	Loss of breeding site, Loss of food source, Increased threat from predators/hunters
84	MEG/N/BAL	220.00	Fire	Annual		(1) All wildlife (terrestrial & arboreal) (2) All avifauna	Population decline, Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators
85	MEG/S/SIJ	5.18	Fire	Annual		(1) All wildlife (terrestrial & arboreal) (2) All avifauna	Population decline, Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators
86	MIZ/N/MUR	200.00	Habitat, Fire, Cultivation, Felling, Hunting	Annual	150.00	Barking Deer, Sambhar, Wild boar, Primates, Birds, Tiger	Increased threat from predators/hunters, Population decline, Loss of breeding site, Migration away from the site
87	MIZ/S/DAM	500.00	Insurgency	1997			Negligible population decline
	MIZ/S/DAM		Hunting	1997		Barking deer	
	MIZ/S/DAM		Hunting	1996		Rhesus Macaque, fish	

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	MIZ/S/DAM		Hunting	1999		Rhesus macaque, Barking deer, wild boar, fish	
	MIZ/S/DAM		Hunting	1998		Barking Deer, Fish, Wild boar	
88	MIZ/S/KHA	41.00	Fire	Annual	0.70	Birds, herbivores and primates	Loss of breeding site
	MIZ/S/KHA		Cultivation	Every 5 years	35.00	Birds, herbivores and primates	Loss of breeding site, Loss of food source
89	MIZ/S/LEN	120.00	Fire	Annual	36.00	Birds	Increased threat from predators/hunters, Loss of food source
	MIZ/S/LEN		OTH (Hunting)	Annual	90.00	Carnivores	Increased threat from predators/hunters & Loss of food source
	MIZ/S/LEN		Cultivation	Annual	20.00	Herbivores	Increased threat from predators/hunters & loss of food source
	MIZ/S/LEN		Felling	Annual	5.00	Primates	Increased threat from predators/hunters & Loss of food source
90	MP/N/PEN	292.86	Dam	1990	54.51		Migration away from the site
91	MP/N/SAT	524.37	Tawa Dam		44.00		Extinction, Migration away from the site & Loss of water source
	MP/N/SAT		Pachmarhi Town (OTH)		45.00	All wildlife	Population decline, Migration away from the site
	MP/N/SAT		Tourism (near & around Pachmarhi)		35.00	All wildlife	Migration away from the site
	MP/N/SAT		Pilgrimage		35.00	All wildlife	Migration away from the site
	MP/N/SAT		Erosion		400.00	Porcupine, Giant Squirrel	Population decline & Migration away from the site

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	MP/N/SAT		Grazing (by local villagers)		30.00	All wildlife specially Chital & Bison site	Disease & Migration away from the site
92	MP/S/GAN	368.62	Grazing (Domestic Cattle)	Before Independence	250.00	Chital, Black Bear, Nilgai and all other faunal species of food to animals	Habitat destruction resulted in loss of food to animals
	MP/S/GAN		OTH-PWD State Roads	Before Independence	33.00	All wild animals	Causes disturbance in movement of wild animals of habitat disturbance.
	MP/S/GAN		Pilgrimage	Before Independence	25.00	All wild animals	Causes disturbance to habitat
	MP/S/GAN		Tourism	Before Independence	10.00	All wild animals	Causes disturbance to habitat
93	MP/S/KAR		Grazing and cultivation	1994	202.21	Great Indian Bustard	Migration away from the site
94	MP/S/KUN	344.69	Grazing	Since formation of the PA	115.00	All herbivores found in PA	Out migration, Loss of breeding ground & Loss of food source.
							Extinction, Population decline, Disease, Migration away from the site, Loss of breeding site, Loss of food source
95	MP/S/NAR	57.20	Tourism	Yearly	5.00	All animals found in the P.A.	Population decline, Migration away from the site, Lo
	MP/S/NAR		Tourism	Yearly	3.00	All animals found in the PA	Migration away from the site & Loss of food source
	MP/S/NAR		Felling	Yearly	5.00	All animals found in the PA	Population decline, Migration away from the site, loss of breeding site.
	MP/S/NAR		Habitation		10.00	All animals found in the PA	Increased threat from predators/hunters

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	MP/S/NAR		Cultivation	Before 24/10/80	1.56	All animals found in the PA	Population decline, Migration away from the site, Loss of food source, Increased threat from predators/hunters
	MP/S/NAR		Grazing	Annual	20.00	All animals found in the PA	Extinction, Population decline, Disease, Migration away from site, Loss of food source, Loss of water source, Malnutrition
96	MP/S/NAT	460.00	Sand mining (Commercial)				
97	MP/S/NOR	1186.96	Fire	Every Year	1186.96	All species found in the P.A. are affected	Migration away from the site, Loss of breeding site. Loss of food source & Loss of water source
	MP/S/NOR		Grazing	Every year			
98	MP/S/SAN		Erosion	Annual		Tiger	Population decline
	MP/S/SAN		Encroachment	From 1989	12.70	Chinkara	
	MP/S/SAN		Habitation	From 1975	59.98	Chital	Loss of water source.
	MP/S/SAN		NTFP collection	From 1992	304.61	Blue bull	
	MP/S/SAN		Fire	Annual		Panther	Migration away from site.
	MP/S/SAN		Grazing	Rotational	192.04	Sambhar	Loss of food sources.
99	MP/S/SAR	348.12	Grazing, Habitation, Cultivation	Every Year	340.00	Lesser Florican	Loss of breeding sites
100	NAG/N/INT	202.02	Human settlements (Habitation)	1993	15.54	Not assessed	Loss of habitat
101	NAG/S/PUL	9.23	Landslide	Every year	0.23	Herbivores, mostly Deer are affected	Migration away from the site. Loss of breeding site
	NAG/S/PUL		NTFP collection	Every year	0.50		
	NAG/S/PUL		Tree felling	Every year	0.45		
	NAG/S/PUL		Habitation	Every year	0.10		Concentration of fauna towards undisturbed hideouts
	NAG/S/PUL		Grazing	Every year	0.20		

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
102	NAG/S/RAN	4.70	Village settlement (Habitation)	1992	2.35	Barking Deer, Wild pig, Sambhar, Monitor lizard, Leopard, Porcupine, Turtle, Water Birds, Kaleej pheasant	Wild animals have been dwindled due to human disturbance
103	ORI/S/BAD	304.03	Drought	Current year	304.03	Sambhar	Population decline, Loss of food source, Loss of water source, Increased threat from predators/Hunters
	ORI/S/BAD		Drought	Current year	304.03	Common Bustard	Population decline
	ORI/S/BAD		Drought	Current Year	304.03	Barking Deer	Population decline, Loss of food source, Loss of water source, Increased threat from predators/Hunters
	ORI/S/BAD		Fire	Every year	150.00	Sambhar	Population decline, Loss of food source, Loss of water source, Increased threat from predators/Hunters
	ORI/S/BAD		Drought	Current year	304.03	Snakes	Population decline
	ORI/S/BAD		Drought	Current year	304.03	Rabbit	Population decline, Loss of food source
	ORI/S/BAD		Drought	Current year	304.03	Bison	Extinction, Loss of food source, Loss of water source
	ORI/S/BAD		Drought	Current year	304.03	Elephant	Migration away from the site, Loss of food source, Loss of water source
104	ORI/S/BAL	71.72	Cyclone	1999	36.00		
	ORI/S/BAL		Tidal wave	Annually			
	ORI/S/BAL		NTFP collection	Annually			

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
105	ORI/S/CHA	193.39	Fire	Every year	90.00	All species inside the PA	Population decline, Migration away from the site, Loss of breeding site, Loss of food source, increased threat from predators/hunters
	ORI/S/CHA		Felling	Every year	35.00	Elephant, Common langur, Rhesus macaque, Squirrel	Migration away from the site, Loss of breeding site, Loss of food source, increased threat from predators/hunters
	ORI/S/CHA		Cyclone	1999	193.00	All species inside the PA	Population decline, Migration away from the site, Loss of breeding site, Loss of food source, increased threat from predators/hunters
106	ORI/S/DEB	346.90	Fire	1997-98	1.60		
107	ORI/S/HAD	191.60					All faunal species affected as per the appendix attached to Management Plan
108	ORI/S/KHA	116.00	Fire	Every year	116.00	All species	Population Decline, Disease, Migration away from the site, Loss of breeding site, Loss of food source, Increased threat from predators/hunters
	ORI/S/KHA		NTFP collection	Every year	116.00	Herbivores	Population Decline, Loss of food source, Malnutrition, Increased threat from predators/hunters
	ORI/S/KHA		Felling	Every year	116.00	Herbivores	Population Decline, Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators/hunters

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	ORI/S/KHA		Cultivation	Every year	2.00	Herbivores	Population Decline, Disease, Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators/hunters
	ORI/S/KHA		Grazing	Every year		Ungulates	Disease, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators/hunters
	ORI/S/KHA		Habitation	Every year	2.00	Herbivores	Extinction, Population Decline, 3, Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source, Malnutrition, Increased threat from predators/hunters
109	ORI/S/KOT	399.50	Shifting cultivation & semi-permanent cultivation on streams	Not estimated		Elephant	Habitat loss is going to be severe, Loss of water source, Migration away from the site, Increased threat from predators/hunters
110	ORI/S/SUN	600.00	Fire	Every year		Sambar, Chital	Population decline, Migration away from the site, Loss of breeding site
	ORI/S/SUN		Cultivation	Every year		Wild Boar & Barasingha	Loss of food source & Increased threat from predators/hunters
	ORI/S/SUN		Habitation	Every year		Barasingha	
111	PUN/S/HAR	86.00	Illegal fishing	Annual	28.00	Otters, Wild Boar	
	PUN/S/HAR		Illegal poaching	Annual	86.00	Fish	
	PUN/S/HAR					Water birds, Boar (wild), Common hare, Hog deer	
	PUN/S/HAR		Encroachment	Annual	2.50		
	PUN/S/HAR		Grazing	Annual	50.00		

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	PUN/S/HAR		Illegal removal of grass	Annual	50.00		
	PUN/S/HAR		Deliberate burning of grass		5.00		
112	RAJ/S/JAM	300.00	Mines (Commercial)		4.37	Tiger	Increased threat from predators/hunters, Population decline, Migration away from this site, Loss of breeding site
	RAJ/S/JAM		Habitation		4.00	All species	Population decline, Migration away from the site, Loss of breeding site, Loss of water source, Increased threat from predator/hunters
	RAJ/S/JAM		Encroachment		0.17	Tiger, Panther, Blue Bull	Population decline, Migration away from the site, Loss of breeding site, Loss of water source, Increased threat from predators/hunters
	RAJ/S/JAM		Fire	1998	0.16	Ground nesting birds, Insects, reptiles	Migration away from the site, Loss of breeding site
	RAJ/S/JAM		Grazing		120.00	Chital, Blue bull, wild boar	Population decline, Disease, Migration away from the site, Loss of breeding site, Loss of food source, loss of food source, loss of water source
113	RAJ/S/NAH	52.40	Fire	1990	0.07	Ground nesting birds, insects, reptiles	Migrate from previous site. Migration away from the site. Loss of breeding site

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Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
	TN/S/GRI		Pilgrimage		20.00	All	Pollution
	TN/S/GRI		Fir (Burning)			All	Disturbance of wild animal
	TN/S/GRI		Tourism		10.00	All	Disturbance of wild animal
124	TN/S/KAN	1.07	OTH- Water from tank used for irrigation	Every year	1.07	All birds	Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source.
125	TN/S/VALL	16.41	Grazing				
126	TN/S/VET	0.38	OTH- Water from tanks used for irrigation	Every year	0.38	All birds	Migration away from the site, Loss of breeding site, Loss of food source, Loss of water source.
127	TRI/S/GUM	389.59	Dam (Development)			Binturong, Capped langur, Phayres langur, Hoolock gibbon, slow loris, lion tailed macaque, stump tailed macaque	Extinction, Population declining, disease, loss of breeding site, loss of food source
	TRI/S/GUM		Fire		389.59	Chinese pangolin, Barking deer, leopard cat, serow, sloth bear, Himalayan Black bear, Malayan giant squirrel	
128	UP/S/CHA	96.00	Dam (Development)	1957			Population declining, Migration away from the site & loss of seeding site
	UP/S/CHA		Grazing		30.00		
	UP/S/CHA		Mines				

Table 1.18: Human Activities and Other Natural Phenomenon Having an Impact on PAs
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Years	Area affected	Species	Impact
129	UTT/N/COR	520.82	Dam (Development)	1962-74	42.20	Hog deer, elephant	Population decline migration away from the side loss of food source
130	UTT/S/BIN	47.07	Fire	1999	7.00	Pheasants	Population declining, Migration away from the site, Loss of breeding site (Temporary impact)
	UTT/S/BIN		Pilgrimage	Annual	0.50	All birds & animals	Negligible
	UTT/S/BIN		Tourism	Annual	14.00	All birds & animals	Increased threat from predators/hunters, migration away from the site general disturbance
	UTT/S/BIN		NTFP collection	Annual	15.00	All birds & animals	Migration away from the site, loss of food source, increased threat from predators/hunters and general disturbance.
	UTT/S/BIN		Grazing		4.71		
	UTT/S/BIN		Cultivation and Habitation	Annual		All birds & animals	Migration away from the site, loss of breeding site, food source, Increased threat from predators/hunters
131	UTT/S/KED	975.20	Landslide	1998	1.00	Barking Deer, Sambhar	Migration away from the site, Loss of food source, Malnutrition
132	WB/N/SUN	2585.00	Cyclone	Every year	2585.00	Fishes, Turtles and Dolphins etc.	Adversely affect the ecosystem.
	WB/N/SUN		Erosion	Every year	2583.00	Green Turtle	Adversely affect the ecosystem
	WB/N/SUN		Other (Fishing)		2585.00	Olive ridley, River terrapin, and Birds	
133	WB/S/RAI	1.30	Flood and Cyclone	1996 to 1999	1.30	Open billed stork, egrets	Population decline

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
1	A&N/S/CUT	5.82					
2	AP/N/MAH	14.59	Large scale urbanisation around the area	For the last 20 years	14.59		Habitat degradation, fragmentation
	AP/N/MAH		Locating the municipal garbage dumping ground adjacent to the park	Since 1980	14.59	All species including birds	Air, soil and water pollution effecting plants and animal health
3	AP/N/VEN	2525.97	Tree felling		20.00	Red Sanders	Degradation
4	AP/S/COR	235.70	Cyclone	November 1996	235.70	Avicennia officinalis	Population decrease
	AP/S/COR		Grazing				Due to trampling regeneration is decreased
5	AP/S/KAW	893.00	Collection of NTFP			Sterculia urens (tapsi)	Due to over exploitation their numbers are reduced
6	AP/S/KOL	308.00	Infestation of weeds				
7	AP/S/KOU	357.63	Drought	1995, 1997, 1999	357.63		Poor regeneration, proliferation of hardy species/weeds
8	AP/S/KRI	194.21	Cyclone	1977		Mangrove forest	Poor regeneration
9	AP/S/PAK	860.00	Cultivation	1961-1991			
	AP/S/PAK		Habitation, Fire				
	AP/S/PAK		Grazing	Every year			
10	AP/S/PAP	590.68	Podu cultivation, Illicit felling	Since long back	1.50	All floral species	Population decline
							Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types
11	AP/S/POC	130.00	Erosion		20.00	All floral species	Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types
	AP/S/POC		Fire		18.00	All floral species	Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types
	AP/S/POC		Grazing		32.00	All floral species	Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types
	AP/S/POC		NTFP collection		30.00	Teak, Mohua, Gumpene, Anduk, Nalla maddi, Soppera, Chennangi, Moduga, Somi,	Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	AP/S/POC		Cultivation		12.00	Teak, Mohua, Gumpene, Anduk, Nalla maddi, Soppera, Chennangi, Moduga, Somi, ,	Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types
	AP/S/POC		Tree felling		35.00	Teak, Mohua, Gumpene, Anduk, Nalla maddi, Soppera, Chennangi, Moduga, Somi, ,	Population decline, Degradation, Poor regeneration and Changes in habitat/vegetation/forest types
12	AP/S/PUL	461.00	Tree felling		12.10	Chigara - Albizzia amara	Restricted growth
13	ARU/N/MOU	483.00	Nil				
14	ARU/N/NAM	1985.25	Miao-Vijaynagar Road Project.		4.50		Decline in natural regeneration due to fragmentation.
	ARU/N/NAM		Lisu migrants. (Habitation)	1996	4.45		Destruction of habitat in Jhum cultivation.
15	ARU/S/DER	190.00	Flood and Erosion	Regular	30.00	All species	Degradation
	ARU/S/DER		Fire	Regular	142.50	Grassland	Poor regeneration
16	ARU/S/MEH	281.50	Development projects	1980	0.98	Simul	Population Decline
	ARU/S/MEH		Cultivation	Time immemorial	30.00	Hollok	Population Decline
	ARU/S/MEH		Tree felling	1964	0.20	Bhola	
17	ASS/N/DIB	340.00	Flood	Annual	340.00		Change in habitat/vegetation/forest types
	ASS/N/DIB		Erosion	Annual			Loss of area and vegetation
	ASS/N/DIB		Grazing	Annual	30.00		Degradation, Poor regeneration
	ASS/N/DIB		Habitation		1.00		Degradation
	ASS/N/DIB		Tree felling	Every year			Degradation
	ASS/N/DIB		Cultivation	Every year	1.00		Degradation, Poor regeneration, Changes in habitat
	ASS/N/DIB		N FFP collection	Every year			Negligible

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
18	ASS/N/KAZ	407.90	Flood	Every year	280.00		Poor regeneration, Changes in habitat/vegetation/forest type. Flood affects most of the grasses in low laying area. Controlled burning is necessary to prevent the succession of woody plants
	ASS/N/KAZ		Erosion	Every year			Proliferation of hardy species/weeds
	ASS/N/KAZ		Fire (Burning)	Every year	262.00		Poor regeneration, Changes in habitat/vegetation, forest type
19	ASS/N/MAN	519.77	Grazing, Cultivation and Tree felling		10.00	Dalbergia sissoo, Gmelina arborea, Bombax ceiba, Cedrela toona, Lagerstroemia parviflora, Terminalia bellarica, T.Chebula	Degradation, Poor Regeneration, Proliferation of hardy species/weeds
	ASS/N/MAN		Grazing, Cultivation and Tree felling		8.00	Dalbergia sissoo, Gmelina arborea, Bombax ceiba, Cedrela toona, Lagerstroemia parviflora, Terminalia bellarica, T.Chebula	Degradation, Poor Regeneration, Proliferation of hardy species/weeds

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	ASS/N/MAN		Grazing and Tree felling		15.00	Dalbergia sissoo, Gmelina arborea, Bombax ceiba, Cedrela toona, Lagerstroemia parviflora, Terminalia bellarica, T.Chebula	Degradation, Poor Regeneration, Proliferation of hardy species/weeds
20	ASS/N/ORR	78.80	Flood	Every year	1.50		Change in habitat/vegetation, forest types
	ASS/N/ORR		Erosion	Every year	2.50		Extinction, Population decline
	ASS/N/ORR		Grazing	Every year	5.00		Extinction, Degradation, Poor regeneration
	ASS/N/ORR		Tree felling				Negligible
	ASS/N/ORR		NTPP collection	Every year			
21	ASS/S/BAR	26.21	Grazing and Tree felling	Every year	10.00		
22	ASS/S/GIB	19.16	Tree felling	1970	10.00	Hollong (D. macrocarpus), Sam (A. chaplesa), Tita chapa (M. champaca), Hollock (T. myriocarpa), Sassi (A. agalocha)	Degradation, Poor regeneration
23	ASS/S/LAO	70.10	Tree felling	Every year	15.00	Sisoo (Dalbergia sissoo), Korai (Allegia procera), Gamari (Gmelina arborea), Ajar (Lagerstomia), Simul (Bombax ceiba)	Poor regeneration, Others
	ASS/S/LAO		Floods	Every year	50.00	Grassland	Poor regeneration
	ASS/S/LAO		Grazing	Every year	20.00		Disease, Degradation, Poor regeneration
	ASS/S/LAO		Cultivation	Every year	20.00	Grassland degradation	Degradation, Population decline, Poor regeneration

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	ASS/S/LAO		Development projects		50.00	Grassland	Degradation, Poor regeneration, Changes in habitat/vegetation/forest type
24	ASS/S/PAN	33.93	Flood		33.93		Extinction and changes in habitat/vegetation/forest types
	ASS/S/PAN		Grazing		33.93		Extinction and changes in habitat/vegetation/forest types
25	ASS/S/POB	16.00	Tree felling	Every year	16.00	Phragmites kakra	Degradation, Poor regeneration
	ASS/S/POB		Grazing	Every year	6.80	All grass	Growth stunted
	ASS/S/POB		Sangai Project		1.00	All grass	Fast propagation of habitats spp.
26	ASS/S/SON	220.00	Habitation	1996	5.90	Bonsum (Phoebe godparensis)	Degradation
	ASS/S/SON		Tree felling	1996	5.90	Amari (Amoora walichii)	Degradation
	ASS/S/SON		Cultivation	1997	5.90	Gomari (Gmelina arborea)	Degradation
27	BIH/S/RAJ	35.84	Pilgrimage		2.00	Bel (Aegle marmelos)	Degradation
	BIH/S/RAJ		Grazing		30.00	Russ grass (Cymbopogon), Spear grass (Heteropogon)	Poor regeneration
	BIH/S/RAJ		Fire		12.00	all types of flora found in PA	
28	CHT/N/IND	2799.09	Grazing	Every year and in all seasons	559.82	All palatable grass species	Degradation of grass lands
29	CHT/N/KAN		Habitation	1987	0.70	Teak, Sal	
	CHT/N/KAN		NTFP collection	Since very long back	40.00	Teak, Sal	
	CHT/N/KAN		Fire	Since very long back	60.00	Teak, Sal	
	CHT/N/KAN		Tree felling	Since very long back		Teak, Sal	
	CHT/N/KAN		Bamboo cutting	Since very long back	20.00	Teak, Sal	
	CHT/N/KAN		Bamboo shoots Cutting	Since very long back	20.00	Teak, Sal	
	CHT/N/KAN		Grazing	Since very long back	10.00	Teak, Sal	

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	CHT/N/KAN		Tourism	1984		Teak, Sal	Cave structure is broken, blackened & scratched
	CHT/N/KAN		Fishing by tribals	Since very long back		Teak, Sal	
	CHT/N/KAN		Activity of the Forest Working Corporation				
30	CHT/S/ACH	551.55	Habitation	Round the year	551.55	Regeneration of all floral species	Due to grazing regeneration of species existing in area get badly affected
31	CHT/S/BAD	104.45	Habitation	Before the creation of the PA		Sal(Shorea robusta)	
	CHT/S/BAD		Cultivation	Before the creation of the PA		Sal	On periphery of cultivation, trees are felled to increase the cultivation area.
	CHT/S/BAD		Tree felling	Before the creation of the PA		Sal	For extracting honey and catching parrots, sal trees are cut by forest dwellers.
32	CHT/S/PAM	4402.23	Grazing of small plants, shrubs, herbs, grass etc	Every year	1320.67	various kind of shrubs, weeds	
33	CHT/S/SIT	558.55	Fire	Ever since the PA was set up	0.35	Fallen dry leaves and grasses	Change in vegetation
	CHT/S/SIT		Grazing	Ever since the PA was set up	140.00	Grasses	Degradation
	CHT/S/SIT		Tree felling	Ever since the PA was set up	55.80	Fuel wood species	Degradation
34	CHT/S/TAM	608.53	Fire	Before the formation of the PA	210.00	Bans(Dendrocalamus strictus), Mahula(Bauhinia vahini)	(1)Degradation(2)Poor regeneration
	CHT/S/TAM		Grazing	Before the formation of the PA	32.00	Char(Buchanania lanzan)	
	CHT/S/TAM		NTFP collection		593.00	Awala(Emblica officinalis), Harra(Terminalia chebula)	
35	CHT/S/UDA	237.00	NTFP collection	Every year	150.00	Tendu	Number of fruit trees have decreased

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
36	DL/S/ASO		Grazing	1986	10.00	Dhak (Butea monosperma), Dhonk (Anogeissus pendula), Ronz (Acacia leucophloca), Desi Kikar (Acacia nilotica), Ber (Zizyphus nunularia),	
	DL/S/ASO		Mines	1986	4.00	Dhak (Butea monosperma), Dhonk (Anogeissus pendula), Ronz (Acacia leucophloca), Desi Kikar (Acacia nilotica), Ber (Zizyphus nunularia),	
	DL/S/ASO		NTFP collection	1986	10.00	Dhak (Butea monosperma), Dhonk (Anogeissus pendula), Ronz (Acacia leucophloca), Desi Kikar (Acacia nilotica), Ber (Zizyphus nunularia),	
37	GOA/S/CHO	1.80	Tree felling	1991-93	0.10	Chipi-Sonneratia alba, Ippal-Avicennia marima	Negligible
38	GUJ/N/BAN	23.99	Bansda national park				Increase in density
39	GUJ/S/WIL	4953.00	Grazing	Every year		All grasses	Degradation of habitat
	GUJ/S/WIL		Salt farming	Every year			
	GUJ/S/WIL		Drought		4953.00		
40	HAR/S/BIRB	8.00	Tree felling	1999	6.00	Eucalyptus	Population decline, Poor regeneration

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
41	HAR/S/CHIL	0.28	Cultivation and Tree felling				Poor regeneration & Changes in habitat/vegetation/forest types
42	HAR/S/SAR	44.02	Grazing	1970	44.02	Acacia Desi, Acacia nilotica	
	HAR/S/SAR		Cultivation	1970	44.02		
43	HP/N/GRE	905.40	Grazing, Habitation, NTFP Collection, Cultivation, Tree felling	From posterity	905.40		
44	HP/S/DAR	167.40	Fire	Annual	2.10	Chir, Baan, Deodar, Fir, Spruce,	Regeneration affected
	HP/S/DAR		Grazing	Annual	3.00	Chir, Baan, Deodar, Fir, Spruce,	Seedlings gets eaten, browsing of trees
	HP/S/DAR		Grazing	Annual	3.00	Broad leaf grasses	Grasslands get tempted
45	HP/S/DHA	943.98	Fire	Annual	1.00	Chir	Degradation, Poor regeneration
	HP/S/DHA		Grazing	Annual	350.00	Alpine & Other grasses	Degradation, Poor regeneration
	HP/S/DHA		NTFP Collection	Annual	70.00	Medicinal Herbs	Population declining, Degradation, Poor regeneration
	HP/S/DHA		Tree Felling	Annual	350.00	Deodar, Rai, Tosh, Kail,	Very few trees are felled, negligible impact
46	HP/S/GAM	109.00	Land slide and Erosion	Every year	0.03		Loss of vegetation & Habitat
	HP/S/GAM		Grazing	Every year	30.00	Desmodium daberigisia, Rumex, Hetrocontort	Poor regeneration
47	HP/S/KAL	69.47	Grazing (Traditional right)	Annual	2.00	Grasses	Degradation, Poor regeneration
	HP/S/KAL		Tree Felling (Traditional Right))	Annual	4.70	Deodar	None
	HP/S/KAL		Charcoal (Traditional Right)	Annual	4.70	Dry branches of fir and spruce	General disturbance
48	HP/S/KUG		Grazing	Annual		Grasses and ban oak	Poor regeneration & Other Soil Degradation.
	HP/S/KUG		NTFP collection	Annual		Ban, Robinia, Kail, Karu, Patish	Negligible
	HP/S/KUG		Tourism and Pilgrimage	Annual		Some Edible ferns	Noise, Disturbance & Solid wastes
	HP/S/KUG		Other	Annual	2.00	Kail + Deodar	Noise & Disturbance

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	HP/S/KUG		OTH (Road)	Annual	0.50	Kail + Grasses	Changes in habitat/Vegetation/Forest types
	HP/S/KUG		OTH (Glacier)	Annual	0.10	Kail and deodar	Uprooting + Breaking of trees & Land Slips
49	HP/S/RUP	269.15	Fire	Annual	10.00	Chil+Kail+Deodar+Ban+Fir+Spruce	Seedlings & Saplings got burnt, effecting regeneration
	HP/S/RUP		Grazing	Annual	100.00	Grasses & Saplings of Chil, Deodar, Kail, Broad leaves	Trampling and browsing leads to low regeneration
	HP/S/RUP		NTFP collection	Annual	90.00	Dup, Karu, Patish, Ponja, etc	Plants get uprooted leading to low regeneration
50	HP/S/SAN	650.00	Grazing	Every year	650.00	Chunang	Livestock eats it and herbivores are deprived of it
	HP/S/SAN		Herb collection (NTFP)	Every year	487.50	Dhoop, Karu	As roots are removed regeneration is affected
	HP/S/SAN		Fodder	Every year		Bhoj patra	Lopping
	HP/S/SAN		Fuelwood	Every year		Deodar, Kail, Fir, spruce, Bhoj patra	Lopping
51	HP/S/TUN	64.00	Grazing	Annual	57.60	Grasses, Ban, Kail, Robina, Deodar, Goon, Walnut etc	Poor regeneration, Other (Soil degradation)
	HP/S/TUN		NTFP Collection	Annual	48.00	Ban, Rubinia, Kail, Karu, patish, Dhup Saalam, Mishri, Saalam panja	Negligible
	HP/S/TUN		Tourism and Pilgrimage	Annual	0.10	Some edible ferns	Noise, Disturbance & Solid wastes
	HP/S/TUN		Other (TD Felling))	Annual	10.00	Kail, Deodar	Noise & Disturbance
	HP/S/TUN		Other (Road)	Annual	0.20	Grasslands	Change in habitat/vegetation/Forest types, Other (Soil erosion)
	HP/S/TUN		Other (Glaciers)	Annual	5.00	Kail & Fir	Uprooting & Breaking of trees & land slips
52	J&K/N/KIS	425.00	Dusalus Indica (Horse Chestnut)				

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
53	JHA/S/HAZ	186.26	Tree felling	Every year	186.23	All except weeds	Degradation, Poor regeneration, Changes in habitat/vegetation/forest types
	JHA/S/HAZ		Cultivation, Grazing, Habitation, Mines, NTFP collection, Fire	Every year	186.23	All species except weeds	Degradation, Changes in habitat/vegetation/forest types, Proliferation hardy species/weeds
54	KAR/N/ANS	250.00	Piggrimage		0.18	Adchari (Memecylon edule)	Population decline
55	KAR/N/KUD	600.32	Not affected so far				
56	KAR/S/ARA	13.50	Grazing, Tree felling, Fire	Every year	4.50	Honne (Pterocarpus marsupium), Mathi (Terminalia tomentosa), Sandal (Santalum album)	Degradation, Proliferation of hardy species/weeds
57	KAR/S/MEL	49.82	Grazing, Fire, Tree felling	Occasional	10.00	Jalari - Shorea talura, Honne - Pterocarpus marsupium, Dindal - Anogeissus latifolia, Cycas, Hunal - Terminalia paniculata, Neralu - Syzizium cumini	Poor regeneration and degradation
58	KAR/S/MOO	247.00	Habitation		125.00		Population decline, Degradation, Poor regeneration
59	KAR/S/NUG	30.32	Grazing, Tree felling, Fire	Occasional	2.00	Satin wood - Chloroxylon swietenia, Sandal - Santalum album, Honne - Pterocarpus marsupium	Reduction in the tree population

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
60	KAR/S/SHA	431.26	Extraction of trees, Building of Sharavathi Reservoir and dams	1963	123.63	Nandi, Matti, Yethiga, Beete, Hebbalasu, Nerale, Honne, Kavale, Kone, Jambe, Gurgi, Boorga	
	KAR/S/SHA		Sharavathi Hydro Project	1963	123.03	All floral species	
61	KAR/S/SHE	395.60	Dam		8.00	Teak - Tectona grandis, Beete - Dalbergia latifolia, Nandi - Lagerstroemia lanceolata, Jambe - Xylia xylocarpa, Bamboo - Bambusa arundinacea	Extraction of timber before construction of Dam
62	KER/S/CHIN	90.44	Pilgrims	Throughout	30.00	All floral species	Degradation
63	KER/S/WAY	344.44	Drought	1989	344.44	Lagerstroemia spp, Grewia	Poor regeneration, Proliferation of hardy species/weeds, Degradation
	KER/S/WAY		Grazing	All years	344.44	All flora	Poor regeneration, Proliferation of hardy species/weeds, Changes in habitat/vegetation/forest types
	KER/S/WAY		NTFP Collection	All years	344.44	Amla, Sida cordifolia, Solanum spp.	Population decline, Degradation, Poor regeneration
64	MAH/N/AND	625.40	Fire (Burning)	Every year	290.00	Common floral species	Population decline & changes in habitat
	MAH/N/AND		Tree felling	Every year	100.00	Teak(Tectona grandis), Bamboo(Dendrocalamus strictus)	Population decline& change in habitat

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
65	MAH/N/NAV	133.88	Tourism	Since establishment of the P.A.	133.88	All species	Degradation & poor regeneration
	MAH/N/NAV		Fire	Since establishment of the P.A.	133.88	All species	Degradation & poor regeneration
	MAH/N/NAV		Grazing	Since establishment of the P.A.	133.88	All species	Degradation & poor regeneration
	MAH/N/NAV		Non Timber Forest Produce collection (NTFP)	Since establishment of the P.A.	133.88	All species	Degradation & poor regeneration
	MAH/N/NAV		Felling	Since establishment of the P.A.	133.88	All species	Degradation & poor regeneration
66	MAH/N/SAN	103.09	Encroachments				
	MAH/N/SAN		Tourism				
	MAH/N/SAN		Grazing				
	MAH/N/SAN		Mines/Quarries				
67	MAH/S/AMB	127.11	Fire	All previous years	2.00	Teak, , Dhawda, Bamboo	Poor regeneration & proliferation of hardy species/weeds
	MAH/S/AMB		Grazing	All previous years	N.A.		
	MAH/S/AMB		Cultivation	1998	0.32		Changes in habitat/vegetation/forest types
68	MAH/S/ANR	82.94	Grazing		82.94	Anjan(Hardwicia bionata)	Degradation
	MAH/S/ANR		Fire (Burning)		82.94	Salai(Boswellia serrata)	Poor regeneration
	MAH/S/ANR		Tree felling		82.94	Teak(Tectona grandis)	Proliferation of hardy species/weeds
	MAH/S/ANR		Habitation		82.94	Dhawda	
	MAH/S/ANR		Cultivation		82.94		
69	MAH/S/CHA	133.23	Fire (Burning)	1999	4.00	Unknown	Degradation
	MAH/S/CHA		Grazing	1999	20.44	Unknown	Degradation
	MAH/S/CHA		Non Timber Forest Produce collection (NTFP)	1999	30.00	Unknown	Poor regeneration
	MAH/S/CHA		Pilgrimage	1999	0.01	Unknown	Unknown
70	MAH/S/GAU	260.00	Grazing			Unknown	Degradation
	MAH/S/GAU		Fire	1999	9.00	Unknown	Degradation
71	MAH/S/GYA	203.56	Fire	Every year	1.00	Unknown	Degradation of grass species.
72	MAH/S/JAI	341.05	Not known but might affect aquatic flora			Unknown	
73	MAH/S/KAR	4.27	Tree felling			Unknown	Natural regeneration is affected
	MAH/S/KAR		Tourism			Unknown	Natural regeneration is affected
74	MAH/S/KAT	57.32	Grazing	Since establishment of the P.A.	40.12	Unknown	Population decline & Poor regeneration

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	MAH/S/KAT		Fire wood Collection	Since establishment of the P.A.	45.86	Unknown	Population decline & poor regeneration
	MAH/S/KAT		Non Timber Forest Produce collection (NTFP)	Since establishment of the P.A.	42.99	Unknown	Population decline and poor regeneration
	MAH/S/KAT		Forest fire	Since establishment of the P.A.	11.46	Unknown	Population decline & Poor regeneration
75	MAH/S/NAG	152.81	Tourism	Since establishment of the P.A.	152.81	Unknown	Degradation and poor regeneration
	MAH/S/NAG		Fire	Since establishment of the P.A.	152.81	Unknown	Degradation and poor regeneration
	MAH/S/NAG		Grazing	Since establishment of the P.A.	152.81	Unknown	Degradation and poor regeneration
	MAH/S/NAG		Non Timber Forest Produce collection (NTFP)	Since establishment of the P.A.	152.81	Unknown	Degradation and poor regeneration
	MAH/S/NAG		Felling	Since establishment of the P.A.	152.81	Unknown	Degradation and poor regeneration
76	MAH/S/NAI	29.90	Grazing, NTFP	Since long	10.00	Unknown	Degradation & poor regeneration
77	MAH/S/PAI	324.64	Fire		324.64	Unknown	Grass regeneration is restricted & Teak gets burnt.
78	MAH/S/SAG	10.87	Drought	Every year	10.87	Unknown	Degradation & Poor regeneration
	MAH/S/SAG		Fire (Burning)	Every year	10.87	Unknown	Degradation
	MAH/S/SAG		Development projects	1984	10.87	Unknown	Degradation
			Tourism	Every year	10.87	Unknown	Degradation
			Pilgrimage	Every year	10.87	Unknown	Degradation
			Grazing	Every year	10.87	Unknown	Degradation
			Mines/Quarries	Every year	10.87	Unknown	Degradation
79	MAH/S/TIP	140.29	Fire (Burning)			Unknown	Degradation
	MAH/S/TIP		Grazing			Unknown	Degradation
	MAH/S/TIP		Tree felling			Unknown	Degradation
80	MAH/S/YAW	177.52	Tree felling		177.52	Unknown	Degradation
	MAH/S/YAW		Fire (Burning)		177.52	Unknown	Poor regeneration
	MAH/S/YAW		Habitation		177.52	Unknown	Population decline
	MAH/S/YAW		Non Timber Forest Produce collection (NTFP)		177.52	Unknown	Proliferation of hardy species/weeds
81	MAH/S/YED	22.37	Grazing	Since long	10.00	Unknown	Degradation & Poor regeneration
	MAH/S/YED		Non Timber Forest Produce collection (NTFP)	Since long	7.00	Unknown	Degradation & poor regeneration
82	MAN/N/KEI	40.00	Dam	1983	26.00	Unknown	
83	MIZ/N/MUR	200.00	Habitation, Fire, Cultivation, Felling, NTFP collection	Annual	150.00	Unknown	Degradation & Proliferation of hardy species/weeds
84	MIZ/N/PHA	50.00	Landslide	1995	1.00	Unknown	Negligible impact
	MIZ/N/PHA		Fire	3 year interval	1.00	Unknown	Poor regeneration
	MIZ/N/PHA		NTFP collection	Annual	17.00	Unknown	Poor regeneration
85	MIZ/S/DAM	500.00	Fire	1990	300.00	Unknown	

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA

Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
86	MIZ/S/KHA	41.00	Fire	Annual	70.00	Unknown	Poor regeneration, changes in habitat/Vegetation/Forest types & Proliferation of hardy
	MIZ/S/KHA		Cultivation	Annual (5 year cycle)	0.35	Unknown	Poor regeneration, changes in habitat/Vegetation/Forest types & Proliferation of hardy
87	MIZ/S/LEN	120.00	Fire	Annual	36.00	Unknown	Not Known
	MIZ/S/LEN		Cultivation	Annual	20.00	Unknown	Not known
	MIZ/S/LEN		Tree felling	Annual	5.00	Unknown	Not Known
88	MIZ/S/NGE	110.00	None			Unknown	
89	MP/N/BAN	1161.47	NTFP (Tendu leaves)	every year	500.00	Unknown	Lopping and felling of Trees
90	MP/N/PEN	292.86	Dam	1990	54.51	Unknown	
	MP/N/PEN		Oth relocation of v	1992		Unknown	Meadows are adversely affected
91	MP/N/SAT	524.37	Erosion	1981	400.00	Unknown	Degradation & Poor regeneration
	MP/N/SAT		Grazing	1981	30.00	Unknown	Poor regeneration
	MP/N/SAT		Tourism	1981	35.00	Unknown	Degradation, Poor regeneration & Air pollution
	MP/N/SAT		Pilgrimage	1981	35.00	Unknown	Degradation, Poor regeneration & water pollution
92	MP/S/GAN	368.62	Grazing	Before formation of the sanctuary	250.00	Unknown	Species decline in numbers. Density of forest adversely affected
	MP/S/GAN		NTFP collection	Before formation of the sanctuary	100.00	Unknown	Forest density is adversely affected
	MP/S/GAN		Tree felling	Before formation of the sanctuary	50.00	Unknown	Adjoining villages, forest density is reduced
93	MP/S/NAR	57.20	Fire	Yearly	5.00	Unknown	Extinction, Degradation, Poor regeneration, Changes in habitat/vegetation/forest types, Proliferation of hardy species/weeds
	MP/S/NAR		Cultivation	Before 24/10/80	1.56	Unknown	Extinction, Degradation, Poor regeneration, changes in habitat/vegetation/forest types.
	MP/S/NAR		Habitation		10.00	Unknown	Extinction, Disease, Degradation, Poor regeneration.
	MP/S/NAR		Tree felling	Yearly	5.00	Unknown	Extinction, Degradation, Poor regeneration, Proliferation of hardy species/weeds.

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	MP/S/NAR		Tourism	Yearly	3.00	Unknown	Degradation & Poor regeneration.
	MP/S/NAR		Grazing	Yearly	20.00	Unknown	Extinction, Disease, Degradation, Poor regeneration, changes in habitat /vegetation/forest types.
94	MP/S/NOR	1186.96	Fire	Every year	1186.96	Unknown	Poor regeneration & Changes in Habitat/vegetation /Forest types
	MP/S/NOR		Grazing	Every year	1186.96	Unknown	Poor regeneration & Changes in habitat/vegetation/forest types
	MP/S/NOR		NTFP collection	Every Year	1186.96	Unknown	Poor regeneration & changes in habitat/Vegetation/forest types
	MP/S/NOR		OTH (Biotic Pressure)	Every day	1186.96	Unknown	Poor regeneration & Changes in habitat/vegetation/forest types
95	NAG/N/INT	202.02	Village settlement	1993	15.54	Unknown	Loss of forest cover
96	NAG/S/PUL	9.23	Landslide	Every year	0.23	Unknown	Degradation
	NAG/S/PUL		Habitation	Every year	0.10	Unknown	Degradation
	NAG/S/PUL		Grazing	Every year	0.20	Unknown	
	NAG/S/PUL		NTFP collection	Every year	0.50	Unknown	
	NAG/S/PUL		Tree felling	Every year	0.45	Unknown	
97	NAG/S/RAN	4.70	Village settlement	1992	2.35	Unknown	Changes in Vegetation/forest types
98	ORI/S/BAD	304.03	Fire (Burning)	Every year	150.00	Unknown	Extinction, Poor regeneration
	ORI/S/BAD		Grazing	Every year	150.00	Unknown	Poor regeneration
	ORI/S/BAD		Drought	Current year	304.03	Unknown	Poor regeneration
	ORI/S/BAD		Tree Felling (Illicit)	Every year		Unknown	Population Decline
	ORI/S/BAD		NTFP Collection	Every year		Unknown	Poor regeneration
99	ORI/S/BAI	168.35	Fire, Drought, Habitation, Illicit felling, Grazing	Not known		Unknown	Not known
100	ORI/S/BAL	71.72	Cyclone	1999	36.00	Unknown	
101	ORI/S/CHA	193.39	Fire	Not available	90.00	Unknown	
	ORI/S/CHA		Tree felling	Not available	35.00	Unknown	
	ORI/S/CHA		Habitation	Not available		Unknown	
	ORI/S/CHA		Cyclone	1999	193.00	Unknown	
	ORI/S/CHA		Cyclone	1999	193.00	Unknown	
102	ORI/S/DEB	346.90	Fire	Every year	69.38		
	ORI/S/DEB		Erosion	Every year	40.00		
103	ORI/S/HAD	191.60					
104	ORI/S/KHA	116.00	Fire	Every year	116.00	All species	
	ORI/S/KHA		Tree felling	Every year		Sal,Bamboo, Sisoo,Bija	

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	ORI/S/KHA		NTFP collection	Every year	777.00	Mahua, Sal seed, Hauda, Baheea, Amla, Chor, Tendu Leaf and Siyali	
	ORI/S/KHA		Grazing	Every year	888.00	Grass and shrubs	
105	ORI/S/KOT	399.50	Fire, Tree Felling, Cultivation (Podu cultivation)		30.75	Sal	
106	ORI/S/LAK	174.96	Habitation, Cultivation, Tree felling				Shifting cultivation and smuggling of timbers
107	RAJ/S/JAM	300.00	Fire	1998	0.16	Lamp grass	Changes in habitat/vegetation/forest types, Population decline
	RAJ/S/JAM		Grazing		120.00	Dhok, Bamboo, Khair, Grass, A.pendula	Population decline, Poor regeneration, Changes in habitat/vegetation/forest types
	RAJ/S/JAM		Habitation		4.00	Dhok, Bamboo, Khair, Grass, A.pendula	Population decline, Degradation, Poor regeneration, Changes in habitat/Vegetation/forest types
	RAJ/S/JAM		Mines		4.37	All floral species	Population decline, Degradation, Poor regeneration, Change in habitat/Vegetation/Forest types
	RAJ/S/JAM		Cultivation			All floral species	Population decline, Degradation, Poor regeneration, Changes in habitat/vegetation/forest types
108	RAJ/S/NAH	52.40	Fire	1995	0.00	Dhaman and Lapple grasses, Sancarus ciliaris	Poor regeneration, Change in habitat/vegetation/forest type, Population decline
	RAJ/S/NAH		Fire	1996	0.07	Dhaman and Lapple grasses, Sancarus ciliaris	Poor regeneration, Population decline, Changes in habitat
	RAJ/S/NAH		Fire	1999	0.07	Safeda Leaves,	Poor regeneration, Population decline, Changes in habitat
	RAJ/S/NAH		Encroachments	Prior to 1980	0.55	Dhonk, Khair Bamboo, Acacia catechu	Degradation, Population decline, Poor regeneration, Change in habitat

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
109	SIK/N/KHA	1784.00	Fire			Pines, Michelia champaca	Degradation, Changes in habitat/ vegetation/ forest
	SIK/N/KHA		Fire			Oaks	Poor regeneration, Proliferation of hardy species/weeds
	SIK/N/KHA		Cultivation			Silver Oak	Changes in habitat/vegetation/forest types
	SIK/N/KHA		Tree felling				Degradation, Poor regeneration, Population decline
	SIK/N/KHA		Tourism				Degradation
110	SIK/S/BAR	104.00	Grazing				
	SIK/S/BAR		NTP collection				
111	SIK/S/KYON	31.00	Grazing		8.00		Population decline, Degradation, Poor regeneration
	SIK/S/KYON		Habitation				Population decline, Degradation, Poor regeneration
	SIK/S/KYON		Tree felling				Population decline, Degradation, Poor regeneration
112	SIK/S/SHIN	43.00	Landslips		11.00		
	SIK/S/SHIN		Erosion		15.00		
	SIK/S/SHIN		Grazing		11.00		
	SIK/S/SHIN		NTP collection		11.00	Juniper	
	SIK/S/SHIN		Tourism		5.00		Pollution
	SIK/S/SHIN		Development projects		4.00		Pollution
113	TN/N/GUL	6.23	OTH-Fishing	Many year	6.23	Islands	Degradation, Population decline
	TN/N/GUL		Oth-Collection of corals	Not known	6.23		Degradation, Population decline
114	TN/N/IND	958.00	Land develop and cultic			All species under growth	Fragmentation
	TN/N/IND		Tributes				Break in wildlife corridor
	TN/N/IND		Lemongrass cultivation				
	TN/N/IND		Grazing and penning				Loss of undergrowth and depletion of wildlife
	TN/N/IND		Man made fire				Loss of macro flora and fauna
115	TN/N/MUD	321.00	Fire	Every year			
116	TN/S/CHI	0.48	OTH-Water from tank is used for irrigation of nearby fields	Every year	0.48		Degradation, Poor regeneration
117	TN/S/VALL	16.41	Grazing/Cutting of fuel wood				Poor regeneration
118	TN/S/VET	0.38	OTH- Water from tanks used for irrigation of surrounding paddy fields	Every year	0.38	All trees	Degradation, Poor regeneration
119	TRI/S/GUM	389.59	Landslide	Since inception of the PA	389.59	All associated flora	Changes in habitat/vegetation/forest types
	TRI/S/GUM		Erosion	Since inception of the PA	389.59		Changes in habitat/vegetation/forest types

Table 1.19: Human Activities and Other Natural Phenomenon Having an Impact on PA
Note: All values for area are in square kilometres

Sno	PA code	Area of the PA	Activity	Year	Area Affected	Species	Impact
	TRI/S/GUM		Grazing	Since inception of the PA			Proliferation of hardy species/weeds
	TRI/S/GUM		Grazing				Extinction, Population decline
	TRI/S/GUM		Tree felling				Extinction, Population decline, Disease
120	TRI/S/TRI	194.70	NTFP collection	Every year	40.00	Muli, Kailai	Collection of Bamboo canes create shortage food for Hyrbacum animals.
121	UP/S/CHA	96.00	Dam	1957			Extinction
	UP/S/CHA		Grazing		30.00		Population decline
	UP/S/CHA		Mines				Poor regeneration
122	UTT/N/COR	520.82	Kalagarh Dam	1962-74	42.20	All grassland flora	Habitat of prey species reduced due to the reservoir
123	UTT/S/BIN	47.07	Fire	1999	7.00	Pine	Degradation
	UTT/S/BIN		Dam	1992-94, 1996-98			Others-Growth of Alvinia nadida in river beds and upstream of check dam
	UTT/S/BIN		Grazing		4.70	Pine, mainly	Others-Soil erosion, Poor regeneration
	UTT/S/BIN		NTFP collection	Annual	15.00		Negligible, as only dear wood & some fruits are extracted.
	UTT/S/BIN		Cultivation and Habitation	Annual			
124	WB/N/SUN	2585.00	Floods	Every year	2585.00	Keora(Sonneratia apetala)	Ecosystem is damaged
	WB/N/SUN		Cyclone			Sundar	Ecosystem is damaged
	WB/N/SUN		Erosion			Bhola(Hibiscus)	
	WB/N/SUN		Others			Gila(Enjadas scandens)	
125	WB/S/RAI	1.30	Floods	1987,1993,1996,1997,1998,1999	1.30	Sissoo(Dalbergia sissoo)	Population decline
126	WB/S/SEN		Illegal collection of firewood	From time immemorial			

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
1	AP/N/VEN	NP	Yes	2525.97			
2	AP/S/KAW	NO	Yes	893.00	5 times		Mahua collectors cause the fire.
3	AP/S/KOU	NP	Yes	357.63	1994	1.20	Due to trespassers and shephards
	AP/S/KOU				1995	0.20	Due to trespassers and shephards
4	AP/S/PAP	NO	Yes	590.68			Podu, biotic interference
5	AP/S/PRA	NO	Yes	136.00		2.00	Mohua collectors cause fires while collecting the Mohua flowers
6	AP/S/SIW	NO	Yes	30.00		2.00	Mohua flower collectors cause fires
7	ARU/N/NAM	NO	Yes	1985.25	1998	10.00	Slash and burning for cultivation done by encroachers and nearby hamlets.
8	ARU/S/DER		Yes	190.00		142.50	Human - either intentional/deliberate or unintentional
9	ARU/S/MEH	YES	Yes	281.50	1995	1.00	Man made
	ARU/S/MEH				1996	0.50	Man made
	ARU/S/MEH				1997	0.20	Man made
	ARU/S/MEH				1998	0.75	Man made
	ARU/S/MEH				1999	2.00	Man made
10	ASS/S/GIB	NP	Yes	19.16	1999	4.50	Intentional firing by passers by
11	CHD/S/SUK	YES	Yes	26.11		0.02	The fire spread from adjoining Punjab & Haryana area
12	CHT/N/KAN	YES	Yes	200.00	1995-96	60.00	All man made by tribals as firing is their tradition
	CHT/N/KAN				1996	60.00	All man made by tribals as firing is their tradition
	CHT/N/KAN				1997	60.00	All man made by tribals as firing is their tradition
	CHT/N/KAN				1998	60.00	All man made by tribals as firing is their tradition
	CHT/N/KAN				1999		All man made by tribals as firing is their tradition
13	CHT/S/BAD	YES	Yes	104.45	1995,1996,		

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
	CHT/S/BAD				1997		
	CHT/S/BAD				1998	0.01	For NTFP collection
	CHT/S/BAD				1999	0.15	For NTFP collection
14	CHT/S/BAG	NO	Yes	478.00	1995,1996		
	CHT/S/BAG				1997	157.00	Accidental
	CHT/S/BAG				1998	1.20	Accidental
	CHT/S/BAG				1999	51.60	Accidental
15	CHT/S/SIT	YES	Yes	558.55	1996-97	0.08	NTFP collection by villagers
	CHT/S/SIT				1999	0.14	NTFP collection by villagers
	CHT/S/SIT				2000	0.04	NTFP collection by villagers
	CHT/S/SIT				1996-97	0.17	NTFP collection by villagers
	CHT/S/SIT				1996-97		NTFP collection by villagers
	CHT/S/SIT				1997-98	0.13	NTFP collection by villagers
	CHT/S/SIT				1998-99	0.24	NTFP collection by villagers
	CHT/S/SIT				1999-2000	0.03	NTFP collection by villagers
16	GUJ/N/BAN	YES	Yes	23.99	1994/95	0.14	Accidental fire
	GUJ/N/BAN				1995/96	0.17	Accidental fire
	GUJ/N/BAN				1996/97	0.21	Accidental fire
	GUJ/N/BAN				1997/98	0.03	Accidental fire
	GUJ/N/BAN				1998/99	8.15	Accidental fire
17	HAR/S/BIRS	NP	Yes	7.67	1995		
18	HAR/S/KAL	NP	Yes	99.12	1995	20.00	Due to dry areas
	HAR/S/KAL				every yr.		
19	HAR/S/SAR	NP	Yes	44.02	1998-99	0.04	Natural
20	HP/S/DAR	NO	Yes	167.40	1999	2.10	Negligence by local people
21	HP/S/DHA	NP	Yes	943.98	1995-96	0.12	Accidental
	HP/S/DHA				1996-97		
	HP/S/DHA				1997-98	0.03	Accidental
	HP/S/DHA				1998-99	0.27	Accidental
	HP/S/DHA				1999-2000	0.70	Accidental
22	HP/S/GAM	YES	Yes	109.00	1999	6.00	Beedi
23	HP/S/KAL	NO	Yes	69.47	1999	0.15	Accidental
24	HP/S/KUG	NO	Yes		None		
25	HP/S/RUP	YES	Yes	269.15	1995		
	HP/S/RUP				1996	0.65	Set off deliberately by local people
	HP/S/RUP				1997		
	HP/S/RUP				1998	1.51	Set off deliberately by local people

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
26	HP/S/RUP				1999	4.30	Set off deliberately by local people
	HP/S/SHI	NO	Yes	90.37	1995	1.00	Human beings
	HP/S/SHI				1996		
	HP/S/SHI				1997		
	HP/S/SHI				1998		
	HP/S/SHI				1999	24.00	
27	JHA/S/HAZ	NO	Yes	186.26	1995	88.00	Mahua flower collection and careless pedestrians
	JHA/S/HAZ				1996	16.00	Mahua flower collection and careless pedestrians
	JHA/S/HAZ				1997	10.00	Mahua flower collection and careless pedestrians
	JHA/S/HAZ				1999	16.00	Mahua flower collection and careless pedestrians
28	JHA/S/PAR	NO	Yes	50.80	1994		
	JHA/S/PAR				1995	0.08	Unknown People
	JHA/S/PAR				1996	0.02	Unknown People
	JHA/S/PAR				1997		
29	KAR/N/ANS	NO	Yes	250.00	1995	0.03	Accident and Mischief
	KAR/N/ANS				1996	0.02	Accident and Mischief
	KAR/N/ANS				1997	0.03	Accident and Mischief
	KAR/N/ANS				1998	0.01	Accident and Mischief
30	KAR/N/ANS				1999	0.02	Accident and Mischief
	KAR/N/BAN	YES	Yes	880.02	1995-96	89.19	
	KAR/N/BAN				1996-97	16.67	
	KAR/N/BAN				1997-98	18.87	
31	KAR/N/BAN				1998-99	13.26	
	KAR/N/NAG	YES	Yes	643.39	1994	20.00	Man made for various reasons
	KAR/N/NAG				1995	15.00	Man made for various reasons
	KAR/N/NAG				1996	8.00	Man made for various reasons
32	KAR/N/NAG				1997	10.00	Man made for various reasons
	KAR/N/NAG				1998	20.00	Man made for various reasons
	KAR/S/ADI	NO	Yes	0.89		0.02	Accidental fires by pilgrims
	KAR/S/ARA	NP	Yes	13.50	1995	3.00	Incidental fires
33	KAR/S/ARA				1996	2.00	
	KAR/S/ARA				1997	3.00	
	KAR/S/ARA				1998	4.00	
	KAR/S/ARA				1999	0.00	

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
34	KAR/S/BHA	NO	Yes	492.46	1995	1.00	
	KAR/S/BHA				1996	0.98	
	KAR/S/BHA				1997	0.97	
	KAR/S/BHA				1998	0.95	
	KAR/S/BHA				1999	0.93	
35	KAR/S/BRA	NO	Yes	181.29	1999	0.80	Humans
36	KAR/S/DAN	YES	Yes	475.02	1994-95	0.33	Fire set by miscreants
	KAR/S/DAN				1995-96	0.33	Fire set by miscreants
	KAR/S/DAN				1996-97	0.25	Fire set by miscreants
	KAR/S/DAN				1997-98	0.26	Fire set by miscreants
	KAR/S/DAN				1998-99	0.25	Fire set by miscreants
37	KAR/S/MEL	NO	Yes	49.82	1995	0.90	Accidental Fire
	KAR/S/MEL				1996	0.70	Accidental Fire
	KAR/S/MEL				1997	0.60	Accidental Fire
	KAR/S/MEL				1998	0.50	Accidental Fire
	KAR/S/MEL				1999	0.50	Accidental Fire
38	KAR/S/NUG	NO	Yes	30.32		2.00	Incidental fires
39	KER/S/CHIN	NO	Yes	90.44	1997	5.00	Tourist
40	KER/S/WAY	NO	Yes	344.44	1924	0.70	Man-Made
	KER/S/WAY				1995	3.82	Man-Made
	KER/S/WAY				1996	0.07	Man-Made
	KER/S/WAY				1998		
41	MAH/N/AND	NP	Yes	625.40	1994	25.76	Not known
	MAH/N/AND				1995	2.35	Not known
	MAH/N/AND				1996	42.71	Not known
	MAH/N/AND				1997-98	24.71	Not known
	MAH/N/AND				1998-99	45.84	Not known
42	MAH/N/PEN	YES	Yes	257.26	1994-95	42.62	Accidental and Manmade
	MAH/N/PEN				1995-96	11.37	Accidental and Manmade
	MAH/N/PEN				1996-97	36.66	Accidental and Manmade
	MAH/N/PEN				1997-98	20.62	Accidental and Manmade
	MAH/N/PEN				1998-99	5.74	Accidental and Manmade
43	MAH/S/AMB	NP	Yes	127.11	1998	2.00	Not known
44	MAH/S/ANR	NP	Yes	82.94	1999-00	0.70	Manmade, Hunting and Poaching
45	MAH/S/BOR	YES	Yes	61.10	1997	3.00	Accidental
	MAH/S/BOR				1998	1.00	Accidental
46	MAH/S/CHA	NP	Yes	133.23	1995		
	MAH/S/CHA				1996	6.53	Unknown
	MAH/S/CHA				1997	1.74	Unknown
	MAH/S/CHA				1998	0.08	Unknown
	MAH/S/CHA				1999	4.00	Unknown

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
47	MAH/S/GAU	NP	Yes	260.00	1995	2.00	Accidental and Man made
	MAH/S/GAU				1996	2.00	Accidental and Man made
	MAH/S/GAU				1997	2.00	Accidental and Man made
	MAH/S/GAU				1998	1.50	Accidental and Man made
	MAH/S/GAU				1999	10.00	Accidental and Man made
48	MAH/S/GYA	NP	Yes	203.56	1997-98	4.45	Man made
	MAH/S/GYA				1998-99	3.77	Man made
49	MAH/S/KAL	NO	Yes	361.71	1996-97		
	MAH/S/KAL				1997-98		
	MAH/S/KAL				1998-99		
	MAH/S/KAL				1999-2000		
50	MAH/S/KAR	YES	Yes	4.27	1994-95	0.12	Unknown
	MAH/S/KAR				1995-96		
	MAH/S/KAR				1996-97	21.00	Unknown
	MAH/S/KAR				1997-98		
	MAH/S/KAR				1998-99	0.04	Unknown
51	MAH/S/KAT	NP	Yes	57.32	1997	0.13	Tendu leaf and Mahua flower collection
	MAH/S/KAT				1998		
	MAH/S/KAT				1998-99	0.12	Tendu leaf and Mahua flower collection
52	MAH/S/NAG	YES	Yes	152.81	1996-97	65.95	Man made
	MAH/S/NAG				1997-98	0.71	Man made
	MAH/S/NAG				1998-99	10.83	Man made
53	MAH/S/NAI	NP	Yes	29.90	1998		
	MAH/S/NAI				1999	5.00	Manmade
54	MAH/S/NAR	NP	Yes		1998-99		Unknown
55	MAH/S/PAI	NP	Yes	324.64	1995		
	MAH/S/PAI				1996		
	MAH/S/PAI				1997-98	13.37	
	MAH/S/PAI				1998-99	106.19	
56	MAH/S/SAG	NP	Yes	10.87	1995,96		
	MAH/S/SAG				1997	0.01	Human interference
	MAH/S/SAG				1998	0.00	Human interference
	MAH/S/SAG				1999		
57	MAH/S/TIP	NP	Yes	140.29	1998	6.53	Man made
	MAH/S/TIP				1999	10.80	Man made
58	MAH/S/WAN	NP	Yes	205.86	1994-95	12.10	Miscreants

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
	MAH/S/WAN				1995-96	8.63	People collecting mahua, sambhar horns and tendu leaves cause fire.
	MAH/S/WAN				1996-97	7.84	
	MAH/S/WAN				1997-98	6.80	
	MAH/S/WAN				1998-99	12.76	
59	MAH/S/YAW	YES	Yes	177.52	1997-98		
	MAH/S/YAW				1998-99		
60	MAH/S/YED	NP	Yes	22.37	1998		
	MAH/S/YED				1999	1.00	Manmade
61	MEG/S/NON	NO	Yes	29.00	1995	2.00	Human Interference
	MEG/S/NON				1996	6.00	Human Interference
	MEG/S/NON				1997	3.00	Human Interference
	MEG/S/NON				1998	5.00	Human Interference
	MEG/S/NON				1999		
62	MIZ/N/MUR	NO	Yes	200.00		4.00	Jhuming
63	MIZ/N/PHA	NP	Yes	50.00	1998	2.00	Jhuming
64	MIZ/S/DAM	NO	Yes	500.00	1995	0.25	Sparkle from burning of bitumen on roadside
	MIZ/S/DAM				1996	0.35	Jhum burning
	MIZ/S/DAM				1997		
	MIZ/S/DAM				1998		
	MIZ/S/DAM				1999	0.18	Jhum burning
65	MIZ/S/KHA	NP	Yes	41.00		1.00	Jhuming
66	MIZ/S/LEN	NP	Yes	120.00		36.00	Jhuming
67	MP/N/BAN	YES	Yes	1161.47	1998		Man made, for NTFP collection
	MP/N/BAN				1997		Man made, for NTFP collection
	MP/N/BAN				1996		Man made, for NTFP collection
	MP/N/BAN				1995		Man made, for NTFP collection
	MP/N/BAN				1994		Man made, for NTFP collection
68	MP/N/GHU	NP	Yes	0.27	N.A.		
69	MP/N/PEN	YES	Yes	292.86	1995		
	MP/N/PEN				1996		
	MP/N/PEN				1997		
	MP/N/PEN				1998		
	MP/N/PEN				1999		
70	MP/N/SAT	YES	Yes	524.37	1994		
	MP/N/SAT				1995	5.62	Unknown
	MP/N/SAT				1996	3.02	Unknown
	MP/N/SAT				1997	0.36	Unknown
	MP/N/SAT				1998	1.30	Unknown

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
71	MP/S/GAN	YES	Yes	368.62	1994		
	MP/S/GAN				1995		
	MP/S/GAN				1996		
	MP/S/GAN				1997		
	MP/S/GAN				1998		
72	MP/S/KHE	YES	Yes	132.78	N.A.		
73	MP/S/KUN	NP	Yes	344.69	1998	2.00	Caused by trespassers
74	MP/S/NAT	NO	Yes	460.00	N.A		
75	MP/S/NOR	NO	Yes	1186.96	1995		
	MP/S/NOR				1996	0.05	Biotic factors
	MP/S/NOR				1997	0.28	Biotic factors
	MP/S/NOR				1998	0.12	Biotic factors
	MP/S/NOR				1999	1.86	Biotic factors
76	MP/S/SAI	NO	Yes	12.96	1995		
	MP/S/SAI				1996		
	MP/S/SAI				1997		
	MP/S/SAI				1998		
	MP/S/SAI				1999		
77	NAG/S/PUL	NP	Yes	9.23	1999-2000	0.08	
	NAG/S/PUL				1999-2000	0.12	
78	ORI/S/BAD	NP	Yes	304.03	1996-97	150.00	Deliberate, for Mahua collection
	ORI/S/BAD				1997-98	150.00	Deliberate, for Mahua collection
	ORI/S/BAD				1998-99		
	ORI/S/BAD				1999-2000	150.00	Deliberate, for Mahua collection
	ORI/S/BAD				2000-001	150.00	Deliberate, for Mahua collection
79	ORI/S/BAL	NP	Yes	71.72	1996-97-98		
	ORI/S/BAL				1999		
	ORI/S/BAL				2000	0.60	Dry spell
80	ORI/S/CHA	NO	Yes	193.39	1995	4.00	Firewood and Charcoal smugglers set fire to forest
	ORI/S/CHA				1996	3.15	Firewood and Charcoal smugglers set fire to forest
81	ORI/S/DEB	NP	Yes	346.90	1997-98	1.60	Accidental
82	ORI/S/HAD	YES	Yes	191.60	1995	5.00	Human activity - intentional fire caused by graziers and unscrupulous people
	ORI/S/HAD				1996	5.00	Human activity - intentional fire caused by graziers and unscrupulous people

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

Sno	PA code	Were there any forest fires in the PA		New data- 1998-01			
		Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
	ORI/S/HAD				1997	5.50	Human activity - intentional fire caused by graziers and unscrupulous people
	ORI/S/HAD				1998	7.00	Human activity - intentional fire caused by graziers and unscrupulous people
	ORI/S/HAD				1999	8.00	Human activity - intentional fire caused by graziers and unscrupulous people
83	ORI/S/KHA	NP	Yes	116.00	2001	116.00	Deliberate setting of fire for kendu leaves & Mahua flowers collection
	ORI/S/KHA				2000	116.00	Deliberate setting of fire for kendu leaves & Mahua flowers collection
	ORI/S/KHA				1999	116.00	Deliberate setting of fire for kendu leaves & Mahua flowers collection
	ORI/S/KHA				1998	116.00	Deliberate setting of fire for kendu leaves & Mahua flowers collection
	ORI/S/KHA				1997		Deliberate setting of fire for kendu leaves & Mahua flowers collection
84	ORI/S/KOT	NP	Yes	399.50	1997,98,99	399.50	Deliberate setting of fire for kendu leaves & Mahua flowers collection
	ORI/S/KOT				2000,2001	399.50	Podu, collection of Mahua/Tendu
85	PUN/S/AIS	NP	Yes	2.60	N.A.		
86	PUN/S/BHA	NP	Yes	8.20	N.A.		
87	PUN/S/BHU	NP	Yes	6.60	N.A.		
88	PUN/S/DOS	NP	Yes	7.50	N.A.		
89	PUN/S/GUR	NP	Yes	6.10	N.A.		
90	RAJ/S/JAM	NO	Yes	300.00	1994-95		
	RAJ/S/JAM				1995-96		
	RAJ/S/JAM				1996-97		
	RAJ/S/JAM				1997-98	0.16	Not known
	RAJ/S/JAM				1998-99		

Table 1.20: Forest Fires in PAs
Note: All values for area are in square kilometres

		Were there any forest fires in the PA		New data- 1998-01			
Sno	PA code	Old data- 1984-87	New data- 1998-01	PA Area	Year(s) of occurrence	Area Affected	Causes
91	RAJ/S/NAH	NO	Yes	52.40	1995	0.00	Not known
	RAJ/S/NAH				1996	0.07	Not known
	RAJ/S/NAH				1999	0.07	Not known
92	SIK/N/KHA	NO	Yes	1784.00	1997	2.00	Unknown
96	TN/N/IND	NP	Yes	958.00	1996	0.10	Man made
	TN/N/IND				1997	0.07	Man made
	TN/N/IND				1998	0.20	Man made
	TN/N/IND				1999	0.10	Man made
	TN/N/IND				2000	0.01	Man made
94	TRI/S/GUM	NP	Yes	389.59	Every year		Graziers
95	UTT/N/COR	YES	Yes	520.82	1994-95	2.63	
	UTT/N/COR				1995-96	31.92	
	UTT/N/COR				1996-97	7.56	
	UTT/N/COR				1997-98	0.37	
	UTT/N/COR				1998-99	0.13	
96	UTT/S/BIN	NP	Yes	47.07	1995	28.50	Villagers, accidental fires
	UTT/S/BIN				1996	6.30	Villagers, accidental fires
	UTT/S/BIN				1997	0.19	Dry spell
	UTT/S/BIN				1998	11.90	Villagers
	UTT/S/BIN				1999	12.30	Long dry spell
97	UTT/S/KED	NO	Yes	975.20	1995	5.52	Major reasons for the fire are mostly human error and uncontrolled fire in wild
98	WB/N/GOR	NP	Yes	79.45	1998	5.00	Not known
99	WB/S/BIB	NP	Yes	0.64	1999,98,97		
	WB/S/BIB				1996,95		
100	WB/S/SEN	NP	Yes		1994,95,96		Not known
	WB/S/SEN				1997,98		Not known

Table 1.21: Floods in PAs

Sno	PA code	PA Situated in a Flood Prone Zone	PA Area	Year	Area affected
1	A&N/N/SAD	No	32.54		
2	A&N/S/CUT	No	5.82		
3	A&N/S/INT	No			
4	AP/N/KAS	No	1.43		
5	AP/N/MAH	No	14.59		
6	AP/N/MRU	No	2.80		
7	AP/N/VEN	No	2525.97		
8	AP/S/COR	No	235.70		
9	AP/S/ETU		803.00		
10	AP/S/GUN	No	1194.00		
11	AP/S/KAW	No	893.00		
12	AP/S/KOL	Yes	308.00		
13	AP/S/KOU	No	357.63		
14	AP/S/KRI	No	194.21		
15	AP/S/MAN	No	20.00		
16	AP/S/NEL	No	4.58		
17	AP/S/PAK	No	860.00		
18	AP/S/PAP	No	590.68		
19	AP/S/POC	No	130.00		
20	AP/S/PRA		136.00		
21	AP/S/PUL	Yes	461.00		
22	AP/S/SIW		30.00		
23	ARU/N/MOU		483.00		
24	ARU/N/NAM	No	1985.25		
25	ARU/S/DER	Yes	190.00	1998	
26	ARU/S/KAM		783.00		
27	ARU/S/MEH	Yes	281.50	1995	0.07
	ARU/S/MEH			1996	0.05
	ARU/S/MEH			1997	0.09
	ARU/S/MEH			1998	1.60
28	ARU/S/YOR	No	445.98		
29	ASS/N/DIB		340.00		
30	ASS/N/KAZ	Yes	407.90	1988	407.00
	ASS/N/KAZ			1998	400.00
31	ASS/N/MAN	No	519.77		
32	ASS/N/ORA	Yes	78.80	1995	52.00
	ASS/N/ORA			1996	50.00
	ASS/N/ORA			1997	60.00
	ASS/N/ORA			1998	55.00
	ASS/N/ORA			1999	50.00
33	ASS/S/BAR	No	26.21		
34	ASS/S/DIP	No	4.14		
35	ASS/S/GIB	No	19.16		
36	ASS/S/LAO	Yes	70.10		
37	ASS/S/PAN	Yes	33.93	1994	33.93
	ASS/S/PAN			1995	33.93
	ASS/S/PAN			1996	33.93
	ASS/S/PAN			1997	33.93
	ASS/S/PAN			1998	33.93
38	ASS/S/POB	Yes	16.00	1998	16.00

Table 1.21: Floods in PAs

Sno	PA code	PA Situated in a Flood Prone Zone	PA Area	Year	Area affected
39	ASS/S/SON	No	220.00		
40	BIH/S/RAJ	No	35.84		
41	CHD/S/SUK	No	26.11		
42	CHT/N/IND	No	2799.09		
43	CHT/N/KAN		200.00		
44	CHT/S/ACH	No	551.55		
45	CHT/S/BAD	No	104.45		
46	CHT/S/BAG	No	478.00		
47	CHT/S/BAR	No	244.66		
48	CHT/S/BHA	Yes	138.95		
49	CHT/S/PAM	No	4402.23		
50	CHT/S/SIT	No	558.55		
51	CHT/S/TAM	No	608.53		
52	CHT/S/UDA	No	237.00		
53	DEL/S/ASO	No	27.81		
54	GOA/S/CHO	No	1.80		
55	GUJ/N/BAN	No	23.99		
56	GUJ/S/PUR	No	160.80		
57	GUJ/S/WIL	Yes	4953.00		
58	HAR/N/SUL	No	1.42		
59	HAR/S/ABU	No			
60	HAR/S/BHIN	Yes	4.07		
61	HAR/S/BIRB	No	8.00		
62	HAR/S/BIRS	No	7.67		
63	HAR/S/CHIL		0.28		
64	HAR/S/KAL		99.12		
65	HAR/S/KHA	No	0.82		
66	HAR/S/NAH	No			
67	HAR/S/SAR		44.02		
68	HP/N/GRE	No	905.40		
69	HP/S/DAR	No	167.40	1997	0.05
70	HP/S/DHA	No	943.98		
71	HP/S/GAM	No	109.00		
72	HP/S/KAL	No	69.47		
73	HP/S/KUG	No		1995	0.05
74	HP/S/LIP		30.89		
75	HP/S/NAR	No	278.38		
76	HP/S/PON		307.70		
77	HP/S/PUP	No	269.15		
78	HP/S/SAN	No	650.00		
79	HP/S/SHI	No	90.37	1995	
	HP/S/SHI			1999	3.00
80	HP/S/TUN	No	64.00		
81	J&K/N/KIS		425.00		
82	J&K/S/OVE		425.00		
83	JHA/N/RAJ	No	0.74		
84	JHA/S/HAZ	No	186.26		
85	JHA/S/PAR		50.80		
86	JHA/S/UDH	Yes			
87	KAR/N/ANS	No	250.00		

Table 1.21: Floods in PAs

Sno	PA code	PA Situated in a Flood Prone Zone	PA Area	Year	Area affected
88	KAR/N/BAN	No	880.02		
89	KAR/N/KUD	No	600.32		
90	KAR/N/NAG	No	643.39		
91	KAR/S/ADI	No	0.89		
92	KAR/S/ARA	No	13.50		
93	KAR/S/BHA		492.46		
94	KAR/S/BRA	No	181.29		
95	KAR/S/DAN	No	475.02		
96	KAR/S/DOR	No	55.87		
97	KAR/S/GHA	No	29.79		
98	KAR/S/GUD		0.74		
99	KAR/S/KAV	No	526.95		
100	KAR/S/MEL	No	49.82		
101	KAR/S/MOO	No	247.00		
102	KAR/S/NUG	NA	30.32		
103	KAR/S/PUS	No	92.66		
104	KAR/S/RANE	No	119.00		
105	KAR/S/RANG	Yes	67.00	1992	0.50
106	KAR/S/SHA		431.26		
107	KAR/S/SHE	No	395.60		
108	KAR/S/SOM	No	88.97		
109	KAR/S/TAL	No	105.01		
110	KER/N/ERA	No	100.00		
111	KER/S/CHIN	No	90.44		
112	KER/S/WAY	No	344.44		
113	MAH/N/AND	No	625.40		
114	MAH/N/NAV	No	133.88		
115	MAH/N/PEN	Yes	257.26		
116	MAH/N/SAN	No	103.09		
117	MAH/S/AMB		127.11		
118	MAH/S/ANR	No	82.94		
119	MAH/S/BHA	No	104.38		
120	MAH/S/BOR	No	61.10		
121	MAH/S/CHA	No	133.23		
122	MAH/S/GAU	No	260.00		
123	MAH/S/GYA		203.56		
124	MAH/S/JAI	No	341.05		
125	MAH/S/KAL	No	361.71		
126	MAH/S/KAR	No	4.27		
127	MAH/S/KAT	No	57.32		
128	MAH/S/MAL	No	29.12		
129	MAH/S/NAG	No	152.81		
130	MAH/S/NAI	No	29.90		
131	MAH/S/NAR				
135	MAH/S/PAI	No	324.64		
133	MAH/S/RAD	No	351.16		
134	MAH/S/SAG	No	10.87		
135	MAH/S/TIP		140.29		
136	MAH/S/WAN		205.86		
137	MAH/S/YAW	No	177.52		

Table 1.21: Floods in PAs

Sno	PA code	PA Situated in a Flood Prone Zone	PA Area	Year	Area affected
138	MAH/S/YED		22.37		
139	MAN/N/KEI	Yes	40.00		
140	MEG/N/BAL	No	220.00		
141	MEG/N/NOK	No	47.48		
142	MEG/S/BAG	No	0.03		
143	MEG/S/NON	No	29.00		
144	MEG/S/SIJ	No	5.18		
145	MIZ/N/MUR		200.00		
146	MIZ/N/PHA	No	50.00	0	
147	MIZ/S/DAM	No	500.00		
148	MIZ/S/KHA	No	41.00		
149	MIZ/S/LEN	No	120.00		
150	MIZ/S/NGE	No	110.00		
151	MP/N/BAN	No	1161.47		
152	MP/N/GHU	No	0.27		
153	MP/N/PEN	No	292.86		
154	MP/N/SAT	No	524.37		
155	MP/N/VAN	No	4.45		
156	MP/S/GAN	No	368.62		
157	MP/S/KAR				
158	MP/S/KHE	No	132.78		
159	MP/S/KUN	No	344.69		
160	MP/S/NAR	No	57.20		
161	MP/S/NAT		460.00		
162	MP/S/NOR	No	1186.96	1995	
163	MP/S/PEN	No	118.00		
164	MP/S/RAL		2.62		
165	MP/S/SAI	No	12.96	1995	
166	MP/S/SAN	No			
167	MP/S/SAR	No	348.12		
168	NAG/N/INT		202.02		
169	NAG/S/FAK	No	6.41		
170	NAG/S/PUL		9.23		
171	NAG/S/RAN	No	4.70		
172	ORI/S/BAD	No	304.03		
173	ORI/S/BAI	Yes	168.35		
174	ORI/S/BAL	No	71.72		
175	ORI/S/CHA	No	193.39		
176	ORI/S/CHI	No	15.53		
177	ORI/S/DEB	No	346.90		
178	ORI/S/HAD	No	191.60	1995	
179	ORI/S/KHA	No	116.00		
180	ORI/S/KOT	No	399.50		
181	ORI/S/LAK	No	174.96		
182	ORI/S/SUN	No	600.00		
183	PUN/S/ABO	Yes	188.22		
184	PUN/S/AIS	No	2.60		
185	PUN/S/BHA	No	8.20		
186	PUN/S/BHU	No	6.60		
187	PUN/S/DOS	No	7.50		

Table 1.21: Floods in PAs

Sno	PA code	PA Situated in a Flood Prone Zone	PA Area	Year	Area affected
188	PUN/S/GUR	No	6.10		
189	PUN/S/HAR	No	86.00	1994	86.00
190	PUN/S/MAH	No	2.20		
191	PUN/S/MOT	No	5.24		
192	PUN/S/TAK		3.86		
193	RAJ/N/DES	No	3162.00		
194	RAJ/S/JAM	No	300.00		
195	RAJ/S/NAH	No	52.40		
196	RAJ/S/TAL	No	7.19		
197	SIK/N/KHA	No	1784.00		
198	SIK/S/BAR	No	104.00		
199	SIK/S/KYON	No	31.00		
200	SIK/S/SHIN	No	43.00		
201	TN/N/GUL		6.23		
202	TN/N/IND	No	958.00		
203	TN/N/MUD	No	321.00		
204	TN/N/MUK		78.46		
205	TN/S/CHI	No	0.48		
206	TN/S/GRI	No	496.38		
207	TN/S/KAN	No	1.07		
208	TN/S/KARA		4.53		
209	TN/S/KARI	No	0.65		
210	TN/S/KOO	No	1.29		
211	TN/S/MEL				
212	TN/S/POIN	Yes	25.00		
213	TN/S/PUL				
214	TN/S/UDA	No	0.44		
215	TN/S/VAD	No	1.63		
216	TN/S/VALL	No	16.41		
217	TN/S/VED	No	0.27		
218	TN/S/VELL	No	0.77		
219	TN/S/VET	No	0.38		
220	TRI/S/GUM	No	389.59		
221	TRI/S/TRI		194.70		
222	UP/S/CHA	Yes	96.00		
223	UTT/N/COR	No	520.82		
224	UTT/S/BIN	No	47.07		
225	UTT/S/KED		975.20		
226	WB/N/GOR	No	79.45		
227	WB/N/SUN		2585.00	1999	4.00
228	WB/S/BAL	No	2.02		
229	WB/S/BET	No	0.67		
230	WB/S/BIB	Yes	0.64	1998	0.21
231	WB/S/HAL	No	5.95		
232	WB/S/LOT				
233	WB/S/RAI	Yes	1.30		
234	WB/S/RAM	No	0.14		
235	WB/S/SEN				
	WB/S/SUN			1998	5.00
	WB/S/SUN			1997	3.00

Table 1.22: Droughts in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Is the PA Situated in a Drought Prone Zone	Year	Months	Area affected
1	A&N/N/SAD	32.54	No			
2	A&N/S/CUT	5.82	No			
3	A&N/S/INT					
4	AP/N/KAS	1.425	No			
5	AP/N/MAH	14.59	Yes	1997	November-June	14.59
6	AP/N/MRU	2.8	Yes	1997	January-June	2.8
7	AP/N/VEN	2525.97	No			
8	AP/S/COR	235.7				
9	AP/S/ETU	803				
10	AP/S/GUN	1194	No			
11	AP/S/KAW	893	No			
12	AP/S/KOL	308	No			
13	AP/S/KOU	357.63	Yes	1995, 1997, 1999	June, July, August	357.63
14	AP/S/KRI	194.21	No			
15	AP/S/MAN	20	Yes			
16	AP/S/NEL	4.58	Yes	1999	May to October	
17	AP/S/PAK	860				
18	AP/S/PAP	590.68	No			
19	AP/S/POC	130	No			
20	AP/S/PRA	136	No			
21	AP/S/PUL	461				
22	AP/S/SIW	30	No			
23	ARU/N/MOU	483				
24	ARU/N/NAM	1985.245	No	1998	December	500
25	ARU/S/DER	190	No			
26	ARU/S/KAM	783				
27	ARU/S/MEH	281.5	No			
28	ARU/S/YOR	445.975	No			
29	ASS/N/DIB	340				
30	ASS/N/KAZ	407.9	No			
31	ASS/N/MAN	519.77	No			
32	ASS/N/ORA	78.8	No			
33	ASS/S/BAR	26.21	No			
34	ASS/S/DIP	4.14	No			
35	ASS/S/GIB	19.16	No	1999	6 months in a year	19.16
36	ASS/S/LAO	70.1	No			
37	ASS/S/PAN	33.93	No			
38	ASS/S/POB	16	No			
39	ASS/S/SON	220	No			
40	BIH/S/RAJ	35.84	No			
41	CHD/S/SUK	26.11	No			
42	CHT/N/IND	2799.086	No			
43	CHT/N/KAN	200				
44	CHT/S/ACH	551.552	No			

Table 1.22: Droughts in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Is the PA Situated in a Drought Prone Zone	Year	Months	Area affected
45	CHT/S/BAD	104.45	No			
46	CHT/S/BAG	478	No			
47	CHT/S/BAR	244.66	No			
48	CHT/S/BHA	138.95	Yes			
49	CHT/S/PAM	4402.23	No			
50	CHT/S/SIT	558.55	No			
51	CHT/S/TAM	608.527	No			
52	CHT/S/UDA	237	No			
53	DEL/S/ASO	27.81	No			
54	GOA/S/CHO	1.8	No			
55	GUJ/N/BAN	23.99	No		February to May, every year	23.99
56	GUJ/S/PUR	160.8	No		February to May, every year	160.8
57	GUJ/S/WIL	4953	Yes			
58	HAR/N/SUL	1.42	No			
59	HAR/S/ABU		Yes			
60	HAR/S/BHIN	4.068	No			
61	HAR/S/BIRB	8	No			
62	HAR/S/BIRS	7.673	No			
63	HAR/S/CHIL	0.28	No			
64	HAR/S/KAL	99.116		1997	April, May	99.11
65	HAR/S/KHA	0.816	No			
66	HAR/S/NAH		No			
67	HAR/S/SAR	44.02				
68	HP/N/GRE	905.4				
69	HP/S/DAR	167.4	No			
70	HP/S/DHA	943.98	No			
71	HP/S/GAM	109	No			
72	HP/S/KAL	69.47	No			
73	HP/S/KUG		No			
74	HP/S/LIP	30.89	No			
75	HP/S/NAR	278.38	No			
76	HP/S/PON	307.7	No			
77	HP/S/RUP	269.15	No	1999	January to May	269.15
78	HP/S/SAN	650	No			
79	HP/S/SHI	90.37	No			
80	HP/S/TUN	64	No			
81	J&K/N/KIS	425	No	1995	October-November	
82	J&K/S/OVE	425		1999	June-November	425
83	JHA/N/RAJ	0.7444	No			
84	JHA/S/HAZ	186.255	No			
85	JHA/S/PAR	50.8	No			
86	JHA/S/UDH		No			

Table 1.22: Droughts in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Is the PA Situated in a Drought Prone Zone	Year	Months	Area affected
87	KAR/N/ANS	250	No			
88	KAR/N/BAN	880.02	No			
89	KAR/N/KUD	600.324	No			
90	KAR/N/NAG	643.392	No			
91	KAR/S/ADI	0.885	No			
92	KAR/S/ARA	13.5	No			
93	KAR/S/BHA	492.46	No			
94	KAR/S/BRA	181.29	No			
95	KAR/S/DAN	475.018	No			
96	KAR/S/DOR	55.873	No			
97	KAR/S/GHA	29.785	No			
98	KAR/S/GUD	0.7368				
99	KAR/S/KAV	526.95	No			
100	KAR/S/MEL	49.82	No			
101	KAR/S/MOO	247	No			
102	KAR/S/NUG	30.32	No			
103	KAR/S/PUS	92.66	No			
104	KAR/S/RANE	119	No			
105	KAR/S/RANG	67	No			
106	KAR/S/SHA	431.26				
107	KAR/S/SHE	395.6	No			
108	KAR/S/SOM	88.97	No			
109	KAR/S/TAL	105.0096	No			
110	KER/N/ERA	100	No			
111	KER/S/CHIN	90.442	Yes			
112	KER/S/WAY	344.44	No			
113	MAH/N/AND	625.4	No			
114	MAH/N/NAV	133.884	No		April, May, June	133.884
115	MAH/N/PEN	257.26	No		May	
116	MAH/N/SAN	103.09	No			
117	MAH/S/AMB	127.11				
118	MAH/S/ANR	82.94	No			
119	MAH/S/BHA	104.38	No			
120	MAH/S/BOR	61.1	No			
121	MAH/S/CHA	133.23	No			
122	MAH/S/GAU	260	No			
123	MAH/S/GYA	203.56	No		May	100
124	MAH/S/JAI	341.05	Yes			
125	MAH/S/KAL	361.71	No			
126	MAH/S/KAR	4.27	No			
127	MAH/S/KAT	57.32	No			
128	MAH/S/MAL	29.122	No			
129	MAH/S/NAG	152.81	No	1997	April, May, June	152.81
130	MAH/S/NAI	29.9	No	Every year	March to June	29.9
131	MAH/S/NAR		No			
132	MAH/S/PAI	324.64	No			

Table 1.22: Droughts in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Is the PA Situated in a Drought Prone Zone	Year	Months	Area affected
133	MAH/S/RAD	351.16	No			
134	MAH/S/SAG	10.87	Yes	1995,1996,1997,1998,1999	January to June.	10.87
135	MAH/S/TIP	140.29	No			
136	MAH/S/WAN	205.86	No			
137	MAH/S/YAW	177.52				
138	MAH/S/YED	22.37	Yes	1995,96,97		
	MAH/S/YED			1998	March to June	22.37
139	MAN/N/KEI	40	No			
140	MEG/N/BAL	220	No			
141	MEG/N/NOK	47.48	No			
142	MEG/S/BAG	0.027	No			
143	MEG/S/NON	29	No			
144	MEG/S/SIJ	5.18	No			
145	MIZ/N/MUR	200				
146	MIZ/N/PHA	50	No			
147	MIZ/S/DAM	500	No			
148	MIZ/S/KHA	41	No			
149	MIZ/S/LEN	120	No			
150	MIZ/S/NGE	110	No			
151	MP/N/BAN	1161.471	Yes			
152	MP/N/GHU	0.272				
153	MP/N/PEN	292.857	No			
154	MP/N/SAT	524.37	No			
155	MP/N/VAN	4.45	No			
156	MP/S/GAN	368.62	No			
157	MP/S/KAR					
158	MP/S/KHE	132.778	No			
159	MP/S/KUN	344.686	Yes			
160	MP/S/NAR	57.197	No			
161	MP/S/NAT	460				
162	MP/S/NOR	1186.961	No			
163	MP/S/PEN	118	No			
164	MP/S/RAL	2.6198				
165	MP/S/SAI	12.96	No			
166	MP/S/SAN		No			
167	MP/S/SAR	348.12	No	1999	August, September	348
168	NAG/N/INT	202.02	No			
169	NAG/S/FAK	6.41	No			
170	NAG/S/PUL	9.23	No			
171	NAG/S/RAN	4.7	No			
172	ORI/S/BAD	304.03	Yes	2000	March-June	304.03
	ORI/S/BAD			2001	March-June	304.03
173	ORI/S/BAI	168.35	No	2000	April-July	168.35
174	ORI/S/BAL	71.72	No			

Table 1.22: Droughts in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Is the PA Situated in a Drought Prone Zone	Year	Months	Area affected
175	ORI/S/CHA	193.39	No	1994	April, May, June	193.39
	ORI/S/CHA			1996	April, May, June	193.39
176	ORI/S/CHI	15.53	No			
177	ORI/S/DEB	346.9	Yes			
178	ORI/S/HAD	191.6	No	1995	March, April, December.	191.6
	ORI/S/HAD			1996	November, December	191.6
	ORI/S/HAD			1997		191.6
	ORI/S/HAD			1998	January to May,	191.6
	ORI/S/HAD			1999	March- May	191.6
179	ORI/S/KHA	116	No			
180	ORI/S/KOT	399.5	Yes		March to June	339.5
181	ORI/S/LAK	174.958	No			
182	ORI/S/SUN	600	Yes	2000-2001	October	
183	PUN/S/ABO	188.22	No			
184	PUN/S/AIS	2.6	No			
185	PUN/S/BHA	8.2	No			
186	PUN/S/BHU	6.6	No			
187	PUN/S/DOS	7.5	No			
188	PUN/S/GUR	6.1	No			
189	PUN/S/HAR	86	No			
190	PUN/S/MAH	2.2	No			
191	PUN/S/MOT	5.24	No			
192	PUN/S/TAK	3.86	No			
193	RAJ/N/DES	3162	Yes			
194	RAJ/S/JAM	300	No			
195	RAJ/S/NAH	52.4	No			
196	RAJ/S/TAL	7.19	Yes	1994	April to June	7.19
	RAJ/S/TAL			1997	April-June	7.19
	RAJ/S/TAL			1998	April to June	7.19
	RAJ/S/TAL			1999	January to December	7.19
	RAJ/S/TAL			2000	January to December	7.19
197	SIK/N/KHA	1784	No	1998	October to April	
198	SIK/S/BAR	104	No			
199	SIK/S/KYON	31	No			
200	SIK/S/SHIN	43	No			
201	TN/N/GUL	6.2337	No			
202	TN/N/IND	958	No			
203	TN/N/MUD	321	No	1980		321
204	TN/N/MUK	78.46				
205	TN/S/CHI	0.4763	No			

Table 1.22: Droughts in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Is the PA Situated in a Drought Prone Zone	Year	Months	Area affected
206	TN/S/GRI	496.38	No			
207	TN/S/KAN	1.0721	No			
208	TN/S/KARA	4.53				
209	TN/S/KARI	0.65	No			
210	TN/S/KOO	1.2933	Yes	2000-2001	February to April	1.29
211	TN/S/MEL					
212	TN/S/POIN	25	Yes	1999	May to August	25
213	TN/S/PUL					
214	TN/S/UDA	0.44	No			
215	TN/S/VAD	1.63	No			
216	TN/S/VALL	16.41	Yes	1999-2000		
217	TN/S/VED	0.27	No			
218	TN/S/VELL	0.77185	No			
219	TN/S/VET	0.37948	No			
220	TRI/S/GUM	389.59	No			
221	TRI/S/TRI	194.704	No	1999	March-May	30
222	UP/S/CHA	96	Yes			
223	UTT/N/COR	520.824	No			
224	UTT/S/BIN	47.07	Yes	1997	May-June	47.07
	UTT/S/BIN			1999	April-June	47.07
225	UTT/S/KED	975.2				
226	WB/N/GOR	79.45	No			
227	WB/N/SUN	2585				
228	WB/S/BAL	2.021	Yes			
229	WB/S/BET	0.6686	No			
230	WB/S/BIB	0.64	No			
231	WB/S/HAL	5.95	No			
232	WB/S/LOT					
233	WB/S/RAI	1.3	No			
234	WB/S/RAM	0.1431	No			
235	WB/S/SEN		Yes		April-June	

Table 1.23: Pollution in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Does the PA have a Pollution Monitoring System	Nature of Pollution in the PA	Source of pollution	Area Affected
1	A&N/N/SAD	32.54	No			
2	A&N/S/CUT	5.82	No			
3	A&N/S/INT					
4	AP/N/KAS	1.43	No			
5	AP/N/MAH	14.59	No	From municipal garbage dump	Municipal dump	14.59
6	AP/N/MRU	2.80	No			
7	AP/N/VEN	2525.97	No			
8	AP/S/COR	235.70	No	Pollutants from sugar factories	Sugar Factories	
9	AP/S/ETU	803.00	No			
10	AP/S/GUN	1194.00	No			
11	AP/S/KAW	893.00	No			
12	AP/S/KOL	308.00	No	Water pollution	Industries, cultivation (pesticide), sewage, pisci culture	308.00
13	AP/S/KOU	357.63	No			
14	AP/S/KRI	194.21	No			
15	AP/S/MAN	20.00	No			
16	AP/S/NEL	4.58	No			
17	AP/S/PAK	860.00	No			
18	AP/S/PAP	590.68	No			
19	AP/S/POC	130.00	No			
20	AP/S/PRA	136.00				
21	AP/S/PUL	461.00	No	Chemicals	From nearby industries	2.00
22	AP/S/SIW	30.00				
23	ARU/N/MOU	483.00				
24	ARU/N/NAM	1985.25	No	No such problems		
25	ARU/S/DER	190.00	No			
26	ARU/S/KAM	783.00				
27	ARU/S/MEH	281.50	No			
28	ARU/S/YOR	445.98	No			
29	ASS/N/DIB	340.00	No			
30	ASS/N/KAZ	407.90	No	Water pollution	Teagarden, NRL	
31	ASS/N/MAN	519.77	No			
32	ASS/N/ORA	78.80	No			
33	ASS/S/BAR	26.21	No			
34	ASS/S/DIP	4.14		Industrial and various city wastes	Industries located in Guwahati	4.14
35	ASS/S/GIB	19.16	No			
36	ASS/S/LAO	70.10	No			
37	ASS/S/PAN	33.93	No			
38	ASS/S/POB	16.00	No	Water pollution	Insecticide from paddy fields	1.86
39	ASS/S/SON	220.00	No			
40	BIH/S/RAJ	35.84	No			
41	CHD/S/SUK	26.11	No			

Table 1.23: Pollution in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Does the PA have a Pollution Monitoring System	Nature of Pollution in the PA	Source of pollution	Area Affected
42	CHT/N/IND	2799.09	No			
43	CHT/N/KAN	200.00	No	Bathing by tribals	Local tribals	
44	CHT/S/ACH	551.55	No			
45	CHT/S/BAD	104.45	No			
46	CHT/S/BAG	478.00	No			
47	CHT/S/BAR	244.66	Yes			
48	CHT/S/BHA	138.95	No			
49	CHT/S/PAM	4402.23	No			
50	CHT/S/SIT	558.55	No			
51	CHT/S/TAM	608.53	No			
52	CHT/S/UDA	237.00				
53	DEL/S/ASO	27.81	No			
54	GOA/S/CHO	1.80	No	Plastics (Polythene bags, bottles)	Tourism, and transport (boats) in Mandovi river	0.48
55	GUJ/N/BAN	23.99	No			
56	GUJ/S/PUR	160.80	No			
57	GUJ/S/WIL	4953.00	No			
58	HAR/N/SUL	1.42	No			
59	HAR/S/ABU		No			
60	HAR/S/BHIN	4.07	No			
61	HAR/S/BIRB	8.00	No			
62	HAR/S/BIRS	7.67	No			
63	HAR/S/CHIL	0.28	No			
64	HAR/S/KAL	99.12	No			
65	HAR/S/KHA	0.82	No			
66	HAR/S/NAH		No			
67	HAR/S/SAR	44.02				
68	HP/N/GRE	905.40				
69	HP/S/DAR	167.40	No			
70	HP/S/DHA	943.98	No			
71	HP/S/GAM	109.00	No			
72	HP/S/KAL	69.47	No			
73	HP/S/KUG		No			
74	HP/S/LIP	30.89	No			
75	HP/S/NAR	278.38	No			
76	HP/S/PON	307.70	No			
77	HP/S/RUP	269.15				
78	HP/S/SAN	650.00	No	Air and Sound Pollution	Basppa Hydel Project	3.50
79	HP/S/SHI	90.37	No			
80	HP/S/TUN	64.00	No			
81	J&K/N/KIS	425.00	No			
82	J&K/S/OVE	425.00				
83	JHA/N/RAJ	0.74				
84	JHA/S/HAZ	186.26	No			
85	JHA/S/PAR	50.80	No			
86	JHA/S/UDH		No			

Table 1.23: Pollution in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Does the PA have a Pollution Monitoring System	Nature of Pollution in the PA	Source of pollution	Area Affected
87	KAR/N/ANS	250.00	No			
88	KAR/N/BAN	880.02	No			
89	KAR/N/KUD	600.32	No			
90	KAR/N/NAG	643.39	No			
91	KAR/S/ADI	0.89	No			
92	KAR/S/ARA	13.50	No			
93	KAR/S/BHA	492.46	No			
94	KAR/S/BRA	181.29	No			
95	KAR/S/DAN	475.02	No			
96	KAR/S/DOR	55.87	No			
97	KAR/S/GHA	29.79	No			
98	KAR/S/GUD	0.74				
99	KAR/S/KAV	526.95	No			
100	KAR/S/MEL	49.82	No			
101	KAR/S/MOO	247.00	No			
102	KAR/S/NUG	30.32	No			
103	KAR/S/PUS	92.66	No			
104	KAR/S/RANE	119.00	No			
105	KAR/S/RANG	67.00	No			
106	KAR/S/SHA	431.26				
107	KAR/S/SHE	395.60	No			
108	KAR/S/SOM	88.97	No			
109	KAR/S/TAL	105.01	No			
110	KER/N/ERA	100.00	No			
111	KER/S/CHIN	90.44	No			
112	KER/S/WAY	344.44	No			
113	MAH/N/AND	625.40	No			
114	MAH/N/NAV	133.88	No			
115	MAH/N/PEN	257.26	No			
116	MAH/N/SAN	103.09	No			
117	MAH/S/AMB	127.11				
118	MAH/S/ANR	82.94	No			
119	MAH/S/BHA	104.38	No			
120	MAH/S/BOR	61.10	No			
121	MAH/S/CHA	133.23	No			
122	MAH/S/GAU	260.00	No			
123	MAH/S/GYA	203.56	No			
124	MAH/S/JAI	341.05	No			
125	MAH/S/KAL	361.71	No			
126	MAH/S/KAR	4.27	No	Air pollution	Vehicular traffic	
127	MAH/S/KAT	57.32	No			
128	MAH/S/MAL	29.12	No			
129	MAH/S/NAG	152.81	No			
130	MAH/S/NAI	29.90	No			
131	MAH/S/NAR	12.35	No			
132	MAH/S/PAI	324.64	No	Water Pollution	Weeds-Ipomea	0.06
133	MAH/S/RAD	351.16	No			
134	MAH/S/SAG	10.87	No			

Table 1.23: Pollution in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Does the PA have a Pollution Monitoring System	Nature of Pollution in the PA	Source of pollution	Area Affected
135	MAH/S/TIP	140.29	No			
136	MAH/S/WAN	205.86	No			
137	MAH/S/YAW	177.52	No			
138	MAH/S/YED	22.37	No			
139	MAN/N/KEI	40.00	No	Water	Not Known	10.00
140	MEG/N/BAL	220.00	No			
141	MEG/N/NOK	47.48	No			
142	MEG/S/BAG	0.03	No			
143	MEG/S/NON	29.00	No			
144	MEG/S/SIJ	5.18	No			
145	MIZ/N/MUR	200.00				
146	MIZ/N/PHA	50.00	No			
147	MIZ/S/DAM	500.00	No			
148	MIZ/S/KHA	41.00	No			
149	MIZ/S/LEN	120.00	No			
150	MIZ/S/NGE	110.00	No			
151	MP/N/BAN	1161.47	No			
152	MP/N/GHU	0.27	No			
153	MP/N/PEN	292.86	No			
154	MP/N/SAT	524.37	No	Air Pollution	Traffic	100.00
	MP/N/SAT			Water Pollution	Town garbage	50.00
	MP/N/SAT			Sound pollution	Traffic	100.00
	MP/N/SAT			Sound pollution	Traffic	100.00
	MP/N/SAT			Sound pollution	Traffic	100.00
155	MP/N/VAN	4.45	No			
156	MP/S/GAN	368.62	No	Air Pollution	Buses, Trucks, Jeeps & two wheelers	32.00
157	MP/S/KAR					
158	MP/S/KHE	132.78	No			
159	MP/S/KUN	344.69	No			
160	MP/S/NAR	57.20	No			
161	MP/S/NAT	460.00				
162	MP/S/NOR	1186.96	No			
163	MP/S/PEN	118.00	No			
164	MP/S/RAL	2.62				
165	MP/S/SAI	12.96	No			
166	MP/S/SAN		No			
167	MP/S/SAR	348.12	No			
168	NAG/N/INT	202.02	No			
169	NAG/S/FAK	6.41	No			
170	NAG/S/PUL	9.23	No			
171	NAG/S/RAN	4.70	No			
172	ORI/S/BAD	304.03	No			
173	ORI/S/BAI	168.35	No			
174	ORI/S/BAL	71.72	No	Water Pollution	Waste water of Puri town	5.00
175	ORI/S/CHA	193.39	No			

Table 1.23: Pollution in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Does the PA have a Pollution Monitoring System	Nature of Pollution in the PA	Source of pollution	Area Affected
176	ORI/S/CHI	15.53	No			
177	ORI/S/DEB	346.90	No			
178	ORI/S/HAD	191.60	No	Dust Pollution (Open cast mining)	Due to Mining Activity	4.00
179	ORI/S/KHA	116.00	No			
180	ORI/S/KOT	399.50	No			
181	ORI/S/LAK	174.96	No			
182	ORI/S/SUN	600.00	No			
183	PUN/S/ABO	188.22	No			
184	PUN/S/AIS	2.60	No			
185	PUN/S/BHA	8.20	No			
186	PUN/S/BHU	6.60				
187	PUN/S/DOS	7.50	No			
188	PUN/S/GUR	6.10	No			
189	PUN/S/HAR	86.00	No			
190	PUN/S/MAH	2.20	No			
191	PUN/S/MOT	5.24	No			
192	PUN/S/TAK	3.86				
193	RAJ/N/DES	3162.00	No			
194	RAJ/S/JAM	300.00	No	Air pollution	Vehicles and mines	5.00
195	RAJ/S/NAH	52.40	No	Air pollution	Vehicle pollution from near by state highway	10.00
196	RAJ/S/TAL	7.19	No			
197	SIK/N/KHA	1784.00	No			
198	SIK/S/BAR	104.00	No			
199	SIK/S/KYON	31.00	No			
200	SIK/S/SHIN	43.00	No			
201	TN/N/GUL	6.23				
202	TN/N/IND	958.00	No			
203	TN/N/MUD	321.00	No	Carbon monoxide	Vehicles	
204	TN/N/MUK	78.46				
205	TN/S/CHI	0.48				
206	TN/S/GRI	496.38				
207	TN/S/KAN	1.07				
208	TN/S/KARA	4.53				
209	TN/S/KARI	0.65	No			
210	TN/S/KOO	1.29	No			
211	TN/S/MEL					
212	TN/S/POIN	25.00		Salt effluents	Salt plants and pans	1.00
213	TN/S/PUL		No			
214	TN/S/UDA	0.44	No			
215	TN/S/VAD	1.63	No			
216	TN/S/VALL	16.41	No			
217	TN/S/VED	0.27	No			
218	TN/S/VELL	0.77	No			
219	TN/S/VET	0.38				
220	TRI/S/GUM	389.59	No			

Table 1.23: Pollution in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Does the PA have a Pollution Monitoring System	Nature of Pollution in the PA	Source of pollution	Area Affected
221	TRI/S/TRI	194.70	Yes			
222	UP/S/CHA	96.00	No			
223	UTT/N/COR	520.82	No			
224	UTT/S/BIN	47.07	No	Air Pollution	Vehicles	
225	UTT/S/KED	975.20				
226	WB/N/GOR	79.45	No	Water pollution	Factories	
227	WB/N/SUN	2585.00				
228	WB/S/BAL	2.02	No			
229	WB/S/BET	0.67		High Arsenic content in ground water	Ground water	0.67
230	WB/S/BIB	0.64	No			
231	WB/S/HAL	5.95	No			
232	WB/S/LOT					
233	WB/S/RAI	1.30	No			
234	WB/S/RAM	0.14	No			
235	WB/S/SEN		No			

Table 1.24: Water Logging in PAs
Note: All values for area are in square kilometre

Sno	PA code	PA Area	Year	Nature of Problem	Area affected	Impact
1	AP/S/KOL	308.00	95to 99	Water logging due to construction of bunds for pisci culture	308.00	Degradation
2	ARU/N/NAM	1985.25		No such problem		
3	ASS/S/POB	16.00	1996	Earthen dam over Molia, outside the PA	2.00	Scarcity of water
4	ASS/S/POB	0.00	1997	Earthen dam over Molia, outside the PA	2.00	Scarcity of water
5	ASS/S/POB	0.00	1998	Earthen dam over Molia, outside the PA	2.00	Scarcity of water
6	CHD/S/SUK	26.11		No such problem		
7	CHT/N/KAN	200.00		Roads and causeway construction		Construction of drainage nallah and upgradation of causeway design
8	HAR/S/BIRB	8.00	1995-99			
9	HP/S/GAM	109.00				
10	HP/S/KUG					
11	KAR/N/ANS	250.00	1997	Submersion due to Hydro-electric reservoir	4.00	Degradation of the Habitat
12	KAR/S/DAN	475.02	1975	Tunneling of the river. Original river course dried up	15.00	Water scarcity for animals, Change in vegetation, Change in micro climate
13	KAR/S/DAN	0.00	1997	Submersion due to Hydro-electric Project	0.60	Loss of habitat, Fragmentation of Habitat
14	MAN/N/KEI	40.00	1983 on	Loktak Hydel Project	26.00	Phumdis no longer make contact with ground. This effects supply of food to Sangai
15	MP/S/KUN	344.69	N.A.			
16	NAG/N/INT	202.02	1999	Construction of Dam for canal	7.00	Turned grassland/Grazing ground to water logged area
23	TN/S/VAD	1.63		Sluice operation	1.63	The sluice is operated by PWD - fluctuation in population of birds
24	TN/S/VELL	0.77	2000	Irrigation	0.77	Depletion of water quantity
25	WB/S/RAM	0.14		A natural age old draining system for carrying waste water		

Table 1.25: Other Natural Problems of a Recurring Nature in PAs

Note: All values for area are in square kilometre

Sno	PA code	PA Area	Problem	Area affected	Impact
1	AP/S/PAP	590.68	Landslides		Not much impact
2	AP/S/PUL	461.00	Accumulation of Sandbar	461.00	Reduced flow of water
3	ARU/N/MOU	483.00	No recurring problems.		
4	ARU/N/NAM	1985.25	Landslides		The affected portion becomes devoid of vegetation and ultimately gets infested by Mikenia weed
5	ARU/S/MEH	281.50	Landslide	0.02	Loss of Forest
	ARU/S/MEH		Landslide	0.05	Loss of Forest
	ARU/S/MEH		Landslide	0.70	Loss of Forest
	ARU/S/MEH		Landslide	0.06	Loss of Forest
	ARU/S/MEH		Landslide	0.04	Loss of Forest
	ARU/S/MEH		Landslide	0.06	Loss of Forest
	ARU/S/MEH		Landslide	0.80	Loss of Forest
	ARU/S/MEH		Landslide		Loss of Forest
6	ARU/S/YOR	445.98	Landslides		
7	ASS/N/DIB	340.00	Erosion		The land area is reducing
8	ASS/S/DIP	4.14	Siltation	4.14	Area of water body is reducing
9	CHD/S/SUK	26.11	No Such Problem		
10	GUJ/N/BAN	23.99	Landslides in some areas		
11	GUJ/S/WIL	4953.00	Soil erosion	4953.00	Sand storms blow away vegetation/bury the vegetated areas
12	HAR/S/BIRB	8.00	Wind storm	6.00	Trees are knocked over
13	HP/N/GRE	905.40	Cloud burst	25.00	Ecology of area has been affected
14	HP/S/DAR	167.40	Cloud burst		Gullies overflowed in the PA
15	HP/S/GAM	109.00	Glaciers (5-6 points)	0.10	Loss of vegetation
16	HP/S/KUG		Glaciers	10.00	Uprooting and Breaking of Trees and Landslips
17	HP/S/LIP	30.89	Landslide	0.02	Nil
18	HP/S/SAN	650.00	Glaciers	0.10	Nallahs get flooded

Table 1.25: Other Natural Problems of a Recurring Nature in PAs

Note: All values for area are in square kilometre

Sno	PA code	PA Area	Problem	Area affected	Impact
19	HP/S/TUN	64.00	Glaciers	5.00	Uprooting and breaking of trees and landslips
20	JHA/S/PAR	50.80	Soil erosion		Soil erosion
21	KAR/N/ANS	250.00			Degradation of Habitat
	KAR/N/ANS		Flowering of Bamboo	25.00	Forest fire, increase in rodent population
22	KAR/S/DAN	475.02	Block Flowering of bamboo		Increase in forest fire, increase in bird population, degradation of habitat
23	MAH/N/SAN	103.09	Landslides		Slums were demolished
24	MEG/N/BAL	220.00	Soil erosion due to the loose condition of soil and heavy rainfall every year		Soil erosion, landslips, clogging of water-holes, etc
25	MEG/S/SIJ	5.18	Soil erosion due to the loose condition of soil and heavy rainfall in every year		Soil erosion, landslips, clogging of water-holes, etc
26	MIZ/N/PHA	50.00	Landslip	1.00	Road inside PA blocked. Destruction of the habitat
27	MIZ/S/NGE	110.00	Landslide	3.00	Destruction of habitat
28	NAG/S/PUL	9.23	Landslides takes place every year during rainy seasons	0.23	Degradation of the PA
29	ORI/S/CHA	193.39	Drought	193.39	Scarcity of water for flora and fauna resulting in death of flora and fauna
35	SIK/N/KHA	1784.00	Landslides		
36	SIK/S/SHIN	43.00	Avalanches	11.00	Poor regeneration
37	UTT/S/KED	975.20	Landslides		Degradation of forest and habitat
38	WB/N/SUN	2585.00	Cyclone	500.00	Eco-system is damaged

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
1	A&N/N/SAD	NO	No	32.54					
2	A&N/S/CUT	NP	No	5.82					
3	A&N/S/INT	YES	No						
4	AP/N/KAS	NP	No	1.43					
5	AP/N/MAH	NP	No	14.59					
6	AP/N/MRU	NP	No	2.80					
7	AP/N/VEN	NP	No	2525.97					
8	AP/S/COR	NO	No	235.70					
9	AP/S/ETU	YES	No	803.00					
10	AP/S/GUN	NP	No	1194.00					
11	AP/S/KAW	YES	Yes	893.00	Teak		Extraction took place upto 1980	Commercial	Forest department
12	AP/S/KOL	NO	No	308.00					
13	AP/S/KOU	NP	No	357.63					
14	AP/S/KRI	NP		194.21					
15	AP/S/MAN	NO	No	20.00					
16	AP/S/NEL	NO	No	4.58					
17	AP/S/PAK	YES	No	860.00					
18	AP/S/PAP	YES	Yes	590.68	Teak		1996-97	Commercial Timber	Forest Department
19	AP/S/POC		No	130.00					
20	AP/S/PRA	YES	Yes (in the past)	136.00	Tectona grandis - Teak		Extraction took place upto 1980	Commercial	Department
21	AP/S/PUL	NO	No	461.00					
22	AP/S/SIW	NO	Yes	30.00	Tectona grandis		Extraction took place upto 1980	Commercial	Department
23	ARU/N/MOU	NP	No	483.00					
24	ARU/N/NAM	NO	No	1985.25					
25	ARU/S/DER	NO	Yes	190.00	Bombax ceiba			Match wood & veneer	Unknown
26	ARU/S/KAM	NP	No	783.00					
27	ARU/S/MEH	NO	Yes	281.50	Hallok Bola, Titasoda	98.00	1964	Commercial / Pulp / Fuel	Local People
	ARU/S/MEH				Mekahi, Amari, Gonsarai, Jia Poma Hilika, Barpat				
	ARU/S/MEH				Bogi, Poma, Simul, Udai, Selleng Hatipoila, Bohera				
	ARU/S/MEH				Khakan-Dhuwa, Sirish etc.				
28	ARU/S/YOR	NP	No	445.98	Does not arise				
29	ASS/N/DIB	NP	Yes	340.00	Lagerstroemia		Every year	Fuelwood and timber	Local people
	ASS/N/DIB	NP			Biseffia				
	ASS/N/DIB	NP			Dilonea				
	ASS/N/DIB	NP			Pollget				
30	ASS/N/KAZ	NP	No	407.90					
31	ASS/N/MAN	NP	No	519.77					
32	ASS/N/ORA	NP	No	78.80					
33	ASS/S/BAR	NP	Yes	26.21	Teak	9.00	1998	Commercial timber	Human
	ASS/S/BAR				Gamari (Gmelina arborea)	9.00	1998	Commercial timber	Human

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
	ASS/S/BAR				Simul (Bombax ceiba)	9.00	1998	Commercial timber and pulpwood	Human
	ASS/S/BAR				Bansom (Phoebe goalparensis)	9.00	1998	Commercial timber	Human
34	ASS/S/DIP	NP		4.14					
35	ASS/S/GIB	NP	Yes	19.16	Hollong	0.02	1995-96	Commercial Timber	Local villagers
	ASS/S/GIB				Sam		1996-97	Fire wood	
	ASS/S/GIB				Sassi				
36	ASS/S/LAO	NP	Yes	70.10	Sisoo (Dalbergia sisoo)	30.00	1983	Commercial timber	Local people
	ASS/S/LAO				Gamari (Gmelina arborea)				
	ASS/S/LAO				Koroi (Albigia process)				
	ASS/S/LAO				Simul (Bombax ceiba), Ajar (Lagerstroemia flosresina)				
	ASS/S/LAO				Ajar (Lagerstroemia flosresina)				
37	ASS/S/PAN	NP	No	33.93					
38	ASS/S/POB	NP	No	16.00					
39	ASS/S/SON	NP	Yes	220.00	Bonsum		1996 onwards		Encroachers
	ASS/S/SON				Amarei		1996 onwards		Encroachers
	ASS/S/SON				Gamari		1996 onwards	For smuggling timber	Timber smugglers
40	BIH/S/RAJ	NO	No	35.84					
41	CHD/S/SUK	NO	No	26.11					
42	CHT/N/IND	YES	No	2799.09					
43	CHT/N/KAN	NO	No	200.00					
44	CHT/S/ACH	YES	Yes	551.55	Bamboo and Shorea robusta mainly. All species that exist in the sanctuary were felled as per working plan	551.55	1975 to 1990-91	Commercial timber	Forest Department
45	CHT/S/BAD	YES	No	104.45					
46	CHT/S/BAG	NO	No	478.00					
47	CHT/S/BAR	YES	No	244.66					
48	CHT/S/BHA		No	138.95					
49	CHT/S/PAM	YES	No	4402.23					
50	CHT/S/SIT	YES	No	558.55					
51	CHT/S/TAM	YES	Yes	608.53	Timber Coupes	52.90	1980 to 90	As per working plan	Govt. of M.P.
	CHT/S/TAM				Overlapping khair coups	24.09	1980 to 88	As per working plan	Govt. of M.P.
	CHT/S/TAM				Overlapping Bamboo coupes	72.45	1980 to 90		Govt. of M.P.
52	CHT/S/UDA	YES	Yes	237.00	Sal, Bija, Tinsa, Korsa	237.00	Upto 1991	Departmental extraction	Forest Department
53	DEL/S/ASO	NP	No	27.81					
54	GOA/S/CHO	NP	No	1.80					
55	GUJ/N/BAN	NO	No	23.99		23.99			

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
56	GUJ/S/PUR	NP		160.80					
57	GUJ/S/WIL	NP	No	4953.00					
58	HAR/N/SUL	NO	No	1.42					
59	HAR/S/ABU	NP	No						
60	HAR/S/BHIN	NP		4.07					
61	HAR/S/BIRB	NP	Yes	8.00	Eucalyptus (Safeda)	6.00	1999	Pulpwood	Forest Department
62	HAR/S/BIRS	NP	No	7.67					
63	HAR/S/CHIL	NP	No	0.28					
64	HAR/S/KAL	NP	Yes	99.12	Sal		Every year, during rainy season	Fuel wood	
	HAR/S/KAL	NP			Rani kher				
65	HAR/S/KHA	NP	NA	0.82					
66	HAR/S/NAH	NP	No						
67	HAR/S/SAR	NP	Yes	44.02	Eucalyptus hybrid		1999	Commercial timber	Haryana Forest Development Corporation
	HAR/S/SAR	NP			Acacia nilotica		1999	Commercial timber	Haryana Forest Development Corporation
	HAR/S/SAR	NP			Prosopis juliflora		1999	Commercial timber	Haryana Forest Development Corporation
68	HP/N/GRE	YES	Yes	905.40	Deodar, Kail, Chil		1998-99	Domestic purpose	Local land holders
	HP/N/GRE				Deodar, Rai		1995-96		Local land holders
	HP/N/GRE				Kail, Chil		1995-96	Domestic use	Local land holders
	HP/N/GRE				Deodar, Kail, Rai Tosh, Chil		1996-97	Domestic purpose	Local land holders
	HP/N/GRE				Deodar				
69	HP/S/DAR	NO	Yes	167.40	Deodar, Kail etc.		Every year		Local people
70	HP/S/DHA	NP	Yes	943.98	Chir, Rai, Tosh		Annual	Timber for house construction	Local right holders
71	HP/S/GAM	YES	No	109.00					
72	HP/S/KAL	YES	Yes	69.47	Deodar, Fir, Chil, Ban	2.50	1987-94		Local people
73	HP/S/KUG	YES	Yes		Kail & Deodar	2.00		Commercial Timber	Forest corporation & government contractors
74	HP/S/LIP	YES	No	30.89					
75	HP/S/NAR			278.38					
76	HP/S/PON	YES		307.70					
77	HP/S/RUP	YES	Yes	269.15	Deodar, Kail, Rai	40.00	Annually	For house construction	Local villagers/ Right holders
78	HP/S/SAN	NP	Yes	650.00	Deodar, Kail, Fir, Species	16.00	Every year	No commercial extraction. Only for use by local people	Local people
79	HP/S/SHI	YES	Yes	90.37	Tosh, Rai, Deodar and Kail	23.05	1994-1996	Commercial timber	Himachal Pradesh Forest Corporation
80	HP/S/TUN	YES	Yes	64.00	Deodar, Kail	10.00	Every year	Timber for house construction	Forest Department

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
81	J&K/N/KIS	YES	Yes	425.00	Deodar, Kail, Fir,		1996-92	Commercial timber	
82	J&K/S/OVE	NO	No	425.00					
83	JHA/N/RAJ	NP	No	0.74					
84	JHA/S/HAZ	YES	Yes	186.26	Shorea robusta		Currently around the year	Furniture making	Local villagers and outsiders
85	JHA/S/PAR	NP	No	50.80					
86	JHA/S/UDH	NP	No						
87	KAR/N/ANS	NP	Yes	250.00	Terminalia paniculata, T. tomentosa, Lagerstroemia lanceolata, Dalbergia		1988-89	Timber & Fuelwood	Registered labour Co-operative Society
	KAR/N/ANS				Terminalia paniculata, T. tomentosa, Lagerstroemia, Lanceolata, Dalbergia latifolia		1991-92	Timber & Fuelwood	Registered labour Co-operative Society
	KAR/N/ANS				Terminalia paniculata, T. tomentosa, Lagerstroemia, Lanceolata, Dalbergia latifolia		1992-93	Timber & Fuelwood	Registered labour Co-operative Society
88	KAR/N/BAN	NO	No	880.02	Jungle Wood				
89	KAR/N/KUD	NP	No	600.32					
90	KAR/N/NAG	NO	No	643.39					
91	KAR/S/ADI	NO		0.89					
92	KAR/S/ARA	NP		13.50					
93	KAR/S/BHA	YES	No	492.46					
94	KAR/S/BRA	NO	No	181.29					
95	KAR/S/DAN	YES	Yes	475.02		1.61	1994--95	Timber & Fuel wood	Government of Karnataka
	KAR/S/DAN					1.76	1995-96	Timber & Fuel wood	Government of Karnataka
	KAR/S/DAN					4.21	1996-97	Timber & Fuel wood	Government of Karnataka
	KAR/S/DAN				Terminalia paniculata, T. tomentosa, Lagerstroemia lanceolata, Dalbergia	8.00	1997-98	Timber & Fuel wood	Government of Karnataka
96	KAR/S/DOR	NP	No	55.87					
97	KAR/S/GHA	NO	No	29.79					
98	KAR/S/GUD	NP		0.74					
99	KAR/S/KAV	NP	No	526.95					
100	KAR/S/MEL	NO	No	49.82					
101	KAR/S/MOO	YES	No	247.00					
102	KAR/S/NUG	NO	No	30.32					
103	KAR/S/PUS	NP	No	92.66					
104	KAR/S/RANE	NO	No	119.00					
105	KAR/S/RANG	NO	No	67.00					
106	KAR/S/SHA	YES	Yes	431.26	Cane extraction	100.00	1993 onwards	For supply to the cane industries	

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
107	KAR/S/SHE	YES	Yes	395.60	Acacia and Eucalyptus	18.00	From 1889 till date	Pulp wood	Mysore Paper Mills
108	KAR/S/SOM	NO	No	88.97					
109	KAR/S/TAL	NP	Yes	105.01	Diospyros melanoxylon, Hopea parviflora, Artocarpus integrifolia, Dipterocarpus indica, Veteveria indica, Hardiwickia bionata	10.00	1997-98	Naturally fallen trees are removed to minimize smuggling	Forest Department
110	KER/N/ERA	NO	No	100.00					
111	KER/S/CHIN	NO	Yes	90.44	Santalum album	20.00	1999	Commercial timber	Departmental extraction
112	KER/S/WAY	YES	Yes	344.44	Tectona grandis	75.45	According to management plan	Silvicultural operation	Departmental extraction
	KER/S/WAY				Eucalyptus	15.27	1985 onwards, according to management plan	For supplying raw material	Grasim industries
113	MAH/N/AND	NP	No	625.40					
114	MAH/N/NAV	NP	No	133.88					
115	MAH/N/PEN	YES	Yes	257.26	Teak	257.26	Not known	Commercial	Government of India
116	MAH/N/SAN	NO	No	103.09					
117	MAH/S/AMB	NP	No	127.11					
118	MAH/S/ANR	NP	Yes	82.94					Forest Development Corporation of Maharashtra
119	MAH/S/BHA	NP		104.38					
120	MAH/S/BOR	YES	No	61.10					
121	MAH/S/CHA	NP	No	133.23					
122	MAH/S/GAU	NP	No	260.00					
123	MAH/S/GYA	NP	No	203.56					
124	MAH/S/JAI	NP	No	341.05					
125	MAH/S/KAL		No	361.71					
126	MAH/S/KAR	NO	No	4.27					
127	MAH/S/KAT	NP	No	57.32					
128	MAH/S/MAL	NP	No	29.12					
129	MAH/S/NAG	YES	No	152.81					
130	MAH/S/NAI	NP	No	29.90					
131	MAH/S/NAR	NP	No						
132	MAH/S/PAI	NP	Yes	324.64	Teak		Till 1990	Commercial	Forest Department
	MAH/S/PAI				Ain		Till 1990		
	MAH/S/PAI				Dhawda		Till 1990		
133	MAH/S/RAD	NO	No	351.16					
134	MAH/S/SAG	NP	No	10.87					
135	MAH/S/TIP	NP	No	140.29					
136	MAH/S/WAN	NP	Yes	205.86	Teak		1996		Forest Department
	MAH/S/WAN				Bamboo		1997	Commercial	Forest Department
	MAH/S/WAN				Salai				Forest Department

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
	MAH/S/WAN				Dhawda				Forest Department
137	MAH/S/YAW	YES	No	177.52					
138	MAH/S/YED	NP		22.37					
139	MAN/N/KEI	NO		40.00					
140	MEG/N/BAL	NO	No	220.00					
141	MEG/N/NOK	NP	Yes	47.48	Sporadic felling of trees of <i>Michelia champaca</i> , <i>Gmelina arborea</i>		1996,1998	For domestic consumption	Local individuals
142	MEG/S/BAG	NP	No	0.03					
143	MEG/S/NON	NO	Yes	29.00	The whole area was a felling coup when under Assam		Before Meghalaya attained statehood (1972)	Commercial purpose	Records not available
144	MEG/S/SIJ	NO	No	5.18					
145	MIZ/N/MUR	NP	Yes	200.00	<i>Michelia champaca</i>	10.00	Annual	Timber for house construction & fuel wood	Local People
146	MIZ/N/PHA	NP	No	50.00					
147	MIZ/S/DAM		Yes	500.00	<i>Michelia champaca</i> (Dead fallen logs-6cft)		1999	Timber for local use (house construction)	Phuldungsei villagers
	MIZ/S/DAM				<i>Trema orientalis</i> (Dead trees 30 pieces)	0.00	1999	Fuelwood	Phuldungsei villagers
	MIZ/S/DAM				<i>Michelia</i> & <i>Terminalia</i> (400 cft.)	0.00	1998	Timber for local use	Teirei villagers
	MIZ/S/DAM				<i>Michelia champaca</i> (one log)		1996	Timber for local use	Saithah villagers
148	MIZ/S/KHA	NP	No	41.00					
149	MIZ/S/LEN	NP	Yes	120.00	<i>Michelia champaca</i> , <i>Toona</i> , <i>Terminalia</i> , <i>Schima wallichii</i> , Oaks	5.00	Annual	Timber and fuelwood	Local people
150	MIZ/S/NGE	NP	No	110.00					
151	MP/N/BAN	YES	No	1161.47					
152	MP/N/GHU	NP	No	0.27					
153	MP/N/PEN	NO	No	292.86					
154	MP/N/SAT	NO	No	524.37					
155	MP/N/VAN	NO	No	4.45					
156	MP/S/GAN	YES		368.62					
157	MP/S/KAR	NO							
158	MP/S/KHE	YES	No	132.78					
159	MP/S/KUN	NP	No	344.69					
160	MP/S/NAR	NO	No	57.20					
161	MP/S/NAT	NC	No	460.00					
162	MP/S/NOR	NP	Yes	1186.96	Teak and Miscellaneous species ('Since 1992 felling is stopped)		1984 to 1991	Commercial purpose and for Nistar use	Forest department.
163	MP/S/PEN	YES	Yes	118.00					
164	MP/S/RAL	NP		2.62					

Table 1.26: Felling in PAs
Note: All values for area are in square kilometre

Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
165	MP/S/SAI	NO	No	12.96					
166	MP/S/SAN	YES	No						
167	MP/S/SAR	NP	NA	348.12					
168	NAG/N/INT	NO	No	202.02					
169	NAG/S/FAK	NP	No	6.41					
170	NAG/S/PUL	NP	Yes	9.23	Local species	0.45	Every year	Fuelwood and use by households	By illicit fellers
171	NAG/S/RAN	NP	Yes	4.70	Tectona grandis	4.70	1990-91	To open up gaps for wildlife habitat manipulation	Forest department
172	ORI/S/BAD	NP	Yes	304.03	Bamboo	76.01	1985-86 to 1994	Commercial	Orissa Forest Development Corporation
	ORI/S/BAD				Bamboo	76.01	Till 1986	Commercial	Orient Paper Mill
	ORI/S/BAD				Timber-Green felling(Bija, Dhausa, Sal, Asan)	76.01	1983	Commercial	Orissa Forest Development Corporation
	ORI/S/BAD				Dead & fallen trees (Bija, Dhausa, Sal, Asan)	76.01	1983-94	Commercial	Orissa Forest Development Corporation
173	ORI/S/BAI	NO	Yes	168.35	Bamboo working	41.36	1995-96	Bamboo extraction	Orissa Forest Development Corporation
	ORI/S/BAI				Bamboo working	33.13	1996-97	Bamboo extraction	Orissa Forest Development Corporation
	ORI/S/BAI				Bamboo working	36.31	1997-98	Bamboo extraction	Orissa Forest Development Corporation
174	ORI/S/BAL	NP	Yes	71.72	Casuarina equisetifolia			Fuel wood	Forest department, Government of Orissa
175	ORI/S/CHA	NO	Yes	193.39	Tectona grandis	90.00	1999	Commercial	Forest Department
	ORI/S/CHA				Shorea robusta			Timber	Forest Department
	ORI/S/CHA				Bambusa arundinacea				
176	ORI/S/CHI	NP	No	15.53					
177	ORI/S/DEB	NP	Yes	346.90	Dendrocalamus strictus (Extraction and felling of bamboo stopped since 1998-99)	346.00	Till 1997-98	Pulp	Orissa Forest Development Corporation
178	ORI/S/HAD	YES	Yes	191.60				Commercial timber and firewood	Orissa Forest Development Corporation
179	ORI/S/KHA	NP	Yes	116.00	Sal (Shorea robusta)	49.24	1982-83 to 1991-92	Commercial timber, Fuelwood	Orissa Forest Development Corporation
	ORI/S/KHA				Bamboo	491.52	1982-83 to 1997-98	Commercial felling for paper pulp	Orissa Forest Development Corporation

Table 1.26: Felling in PAs
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Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
180	ORI/S/KOT	NP	Yes	399.50	Sal, Pterocarpus, Marsupium	124.37	1981-86	Commercial	Orissa Forest Development Corporation
181	ORI/S/LAK	NP	No	174.96					
182	ORI/S/SUN	NP	Yes	600.00	Salvaging of fallen trees	600.00			Orissa Forest Development Corporation
183	PUN/S/ABO	NP	No	188.22					
184	PUN/S/AIS	NP		2.60	N.A.				
185	PUN/S/BHA	NP	No	8.20	N.A.				
186	PUN/S/BHU	NP	No	6.60	N.A.				
187	PUN/S/DOS	NP	No	7.50	N.A.				
188	PUN/S/GUR	NP	No	6.10	N.A.				
189	PUN/S/HAR	NP	Yes	86.00	Acacia arabica	2.00	Annual	Fuel wood and small timber	Local people
190	PUN/S/MAH	NP	No	2.20					
191	PUN/S/MOT	NP	No	5.24					
192	PUN/S/TAK	NP		3.86					
193	RAJ/N/DES	NO	No	3162.00					
194	RAJ/S/JAM		No	300.00					
195	RAJ/S/NAH	NO	No	52.40					
196	RAJ/S/TAL	NO	No	7.19					
197	SIK/N/KHA	NO	Yes	1784.00	Abies densa			Timber	Local community
	SIK/N/KHA				Quercus spp.			Fuelwood	Local community
	SIK/N/KHA				Michelia exelsa			Timber	Local community
198	SIK/S/BAR	NP	Yes	104.00					
199	SIK/S/KYON	NP	Yes	31.00	Abies densa		Till 1999 (only fallen trees were collected)	Fuel wood	Local villagers
	SIK/S/KYON				Juniper		Till 1999 (only fallen trees were collected)		
200	SIK/S/SHIN	NP	Yes	43.00	Juniper	11.00			
	SIK/S/SHIN				Abies densa, Larynx griffithi				
201	TN/N/GUL	NP		6.23					
202	TN/N/IND	NP	Yes	958.00	Teak		Upto 1995	Commercial	Forest department
	TN/N/IND				Bamboo			Commercial	
	TN/N/IND				Eucalyptus Hybrid		Upto 1995	Pulp	South India Viscose (commercial company)
	TN/N/IND				Eucalyptus grandis		Upto 1995	Pulp	South India Viscose (commercial company)
203	TN/N/MUD	NP	Yes	321.00	Teak, Rore, Bamboo		1989	Commercial timber	Forest department
204	TN/N/MUK	NP	No	78.46					
205	TN/S/CHI	NP	No	0.48					
206	TN/S/GRI	NP	Yes	496.38	Felling coupes		Up to 1979	Fuelwood	Private contractors
207	TN/S/KAN	NP	No	1.07					
208	TN/S/KARA	NP		4.53					
209	TN/S/KARI	NP	No	0.65					
210	TN/S/KOO	NP	No	1.29					
211	TN/S/MEL	NP							

Table 1.26: Felling in PAs
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Sno	PA code	Does/did felling occur in the PA now or in the past		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Species	Area Affected	Years	Purpose	Agency
212	TN/S/POIN	NO	No	25.00					
213	TN/S/PUL	NO							
214	TN/S/UDA	NP	No	0.44					
215	TN/S/VAD	NP	No	1.63					
216	TN/S/VALL	NP	No	16.41					
217	TN/S/VED	NO	No	0.27					
218	TN/S/VELL	NP	No	0.77					
219	TN/S/VET	NP	No	0.38					
220	TRI/S/GUM	NP	NA	389.59					
221	TRI/S/TRI	NP	No	194.70					
222	UP/S/CHA	NO		96.00					
223	UTT/N/COR	YES	Yes	520.82	Sal, Sisam, Sain, Sadan, Khair, Chir, Semal, Tun, Harar, Bahera, Siras etc	7.50	1980-81	Dry marking of submergence area of Ramganga reservoir	Irrigation department
224	UTT/S/BIN	NP	No	47.07					
225	UTT/S/KED	YES		975.20					
226	WB/N/GOR	NP	No	79.45					
227	WB/N/SUN	NP	Yes	2585.00	Bain, Gnewa, Garjan, Kakra, Tora, Bakul, Kirpa	10.00	Every year	For commercial Timber and fuelwood for local consumption	Authorised timber merchants
228	WB/S/BAL	NO	No	2.02					
229	WB/S/BET	NP	No	0.67					
230	WB/S/BIB	NP	No	0.64					
231	WB/S/HAL	NP	No	5.95					
232	WB/S/LOT	NP							
233	WB/S/RAI	NP	No	1.30					
234	WB/S/RAM	NO	No	0.14					
235	WB/S/SEN	NP							

Table 1.27: PAs Affected by Diseases of Flora
Note: All values for area are in square kilometre

Sno	PA code	PA affected by flora disease		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Year	Disease	Area Affected	Species affected	Efforts made to control the disease
1	A&N/N/SAD	NO	No	32.54					
2	A&N/S/CUT	NP	No	5.82					
3	A&N/S/INT	NO	No						
4	AP/N/KAS	NP	No	1.43					
5	AP/N/MAH	NP	No	14.59					
6	AP/N/MRU	NP	No	2.80					
7	AP/N/VEN	NP	No	2525.97					
8	AP/S/COR	NO		235.70	1996	Stem borer	47.14	Acacia officinalis	Pesticides applied in plantation only
9	AP/S/ETU	YES	No	803.00					
10	AP/S/GUN	NP	No	1194.00					
11	AP/S/KAW	YES		893.00					
12	AP/S/KOL	NO	No	308.00					
13	AP/S/KOU	NP	No	357.63					
14	AP/S/KRI	NP	No	194.21					
15	AP/S/MAN	NO	No	20.00					
16	AP/S/NEL	NO	No	4.58					
17	AP/S/PAK	YES	No	860.00					
18	AP/S/PAP	NO	No	590.68					
19	AP/S/POC	YES	No	130.00					
20	AP/S/PRA	YES		136.00					
21	AP/S/PUL	NO	No	461.00					
22	AP/S/SIW	YES		30.00					
23	ARU/N/MOU	NP	No	483.00					
24	ARU/N/NAM	NO	No	1985.25					
25	ARU/S/DER	NO	No	190.00					
26	ARU/S/KAM	NP		783.00					
27	ARU/S/MEH	NO	No	281.50					
28	ARU/S/YOR	NP	No	445.98		Does not arise			
29	ASS/N/DIB	NP	No	340.00					
30	ASS/N/KAZ	NP	No	407.90					
31	ASS/N/MAN	NP	No	519.77					
32	ASS/N/ORA	NP		78.80					
33	ASS/S/BAR	NP	No	26.21					
34	ASS/S/DIP	NP		4.14					
35	ASS/S/GIB	NP	No	19.16					
36	ASS/S/LAO	NP	No	70.10					
37	ASS/S/PAN	NP	No	33.93					
38	ASS/S/POB	NP	No	16.00					
39	ASS/S/SON	NP	No	220.00					
40	BIH/S/RAJ	NO	No	35.84					
41	CHD/S/SUK	NO	No	26.11					
42	CHT/N/IND		No	2799.09					
43	CHT/N/KAN	NO		200.00	1998	Sal borer	200.00	(Sal) Shroea robusta	Monitoring the spread of disease as the incidence take place.
44	CHT/S/ACH	NO	Yes	551.55	1998	Sal borer	200.00	Sal(Shorea robusta)	Trapping operation carried out
45	CHT/S/BAD		No	104.45					
46	CHT/S/BAG	NO	No	478.00					
47	CHT/S/BAR	NO		244.66					
48	CHT/S/BHA		No	138.95					
49	CHT/S/PAM	NP	No	4402.23					
50	CHT/S/SIT	NP	No	558.55					
51	CHT/S/TAM	NP	No	608.53					
52	CHT/S/UDA		No	237.00					
53	DEL/S/ASO	NP	No	27.81					

Table 1.27: PAs Affected by Diseases of Flora
Note: All values for area are in square kilometre

Sno	PA code	PA affected by flora disease		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Year	Disease	Area Affected	Species affected	Efforts made to control the disease
54	GOA/S/CHO	NP	Yes	1.80		Defoliation of Avecinnea	0.80	Avecinnea marina	Nil
55	GUJ/N/BAN	NO	No	23.99		Leaf defoliater	23.99		
56	GUJ/S/PUR	NP	No	160.80					
57	GUJ/S/WIL	NP	No	4953.00					
58	HAR/N/SUL	NO	No	1.42					
59	HAR/S/ABU	NP	No						
60	HAR/S/BHIN	NP	Yes	4.07					
61	HAR/S/BIRB	NP	No	8.00					
62	HAR/S/BIRS	NP	No	7.67					
63	HAR/S/CHIL	NP	No	0.28					
64	HAR/S/KAL	NP		99.12					
65	HAR/S/KHA	NP	No	0.82					
66	HAR/S/NAH	NP	No						
67	HAR/S/SAR	NP	Yes	44.02		Unknown		Acacia nilotica	Collaboration with ICFRE
68	HP/N/GRE			905.40					
69	HP/S/DAR	NO	No	167.40					
70	HP/S/DHA	NP	No	943.98					
71	HP/S/GAM	NO	No	109.00					
72	HP/S/KAL	NO	No	69.47					
73	HP/S/KUG	NO	No						
74	HP/S/LIP		No	30.89					
75	HP/S/NAR			278.38					
76	HP/S/PON			307.70					
77	HP/S/RUP	NO	No	269.15					
78	HP/S/SAN	NP	No	650.00					
79	HP/S/SHI	NO	No	90.37					
80	HP/S/TUN	NO	No	64.00					
81	J&K/S/OVE		No	425.00					
82	J&L/N/KIS	NO						Arcithobium	
83	JHA/N/RAJ	NP	No	0.74					
84	JHA/S/HAZ	NO	No	186.26					
85	JHA/S/PAR	NP	No	50.80					
86	JHA/S/UDH	NP	No						
87	KAR/N/ANS	NP	No	250.00					
88	KAR/N/BAN	NO	No	880.02					
89	KAR/N/KUD	NP	No	600.32					
90	KAR/N/NAG	NO	No	643.39					
91	KAR/S/ADI	NO		0.89					
92	KAR/S/ARA	NP		13.50					
93	KAR/S/BHA	NO	No	492.46					
94	KAR/S/BRA	NO	No	181.29					
95	KAR/S/DAN	NP	Yes	475.02	1998	Teak Sclerotinizer		Teak	
96	KAR/S/DOR	NP	No	55.87					
97	KAR/S/GHA	NO	No	29.79					
98	KAR/S/GUD	NP		0.74					
99	KAR/S/KAV	NP	No	526.95					
100	KAR/S/MEL	NO	No	49.82					
101	KAR/S/MOO	NO	No	247.00					
102	KAR/S/NUG	NO		30.32					
103	KAR/S/PUS	NP	No	92.66					
104	KAR/S/RANE	NO	No	119.00					
105	KAR/S/RANG	NO	No	67.00					
106	KAR/S/SHA		No	431.26					
107	KAR/S/SHE	NO	No	395.60					
108	KAR/S/SOM	NO	No	88.97					
109	KAR/S/TAL	NP	No	105.01					

Table 1.27: PAs Affected by Diseases of Flora
Note: All values for area are in square kilometre

Sno	PA code	PA affected by flora disease		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Year	Disease	Area Affected	Species affected	Efforts made to control the disease
110	KER/N/ERA	NO	No	100.00					
111	KER/S/CHIN	NO	No	90.44					
112	KER/S/WAY	NO		344.44		Teak defoliator	5.00	Teak	None
113	MAH/N/AND	NO	No	625.40					
114	MAH/N/NAV	NO	No	133.88					
115	MAH/N/PEN	NO	No	257.26					
116	MAH/N/SAN	NO		103.09		Teak defoliator		Teak	No
117	MAH/S/AMB	NP	No	127.11					
118	MAH/S/ANR	NP		82.94		Teak Borers	82.94	Teak	No
119	MAH/S/BHA	NP	No	104.38					
120	MAH/S/BOR	NO	No	61.10					
121	MAH/S/CHA	NP	No	133.23					
122	MAH/S/GAU	NP	Yes	260.00	1998	Defoliator	104.00	Teak	Not yet
	MAH/S/GAU					Sclerotiniser		Teak	Not yet
123	MAH/S/GYA	NP	Yes	203.56	Every year		20.00	Teak, Hablia puria	Not yet
	MAH/S/GYA		Yes		Every year			Hablia macaralis	
124	MAH/S/JAI	NP	No	341.05					
125	MAH/S/KAL		No	361.71					
126	MAH/S/KAR	NO	No	4.27					
127	MAH/S/KAT	NP	No	57.32					
128	MAH/S/MAL	NP	No	29.12					
129	MAH/S/NAG	NO	No	152.81					
130	MAH/S/NAI	NP	No	29.90					
131	MAH/S/NAR	NP	No						
132	MAH/S/PAI	NP	Yes	324.64					
133	MAH/S/RAD	NO	No	351.16					
134	MAH/S/SAG	NP	No	10.87					
135	MAH/S/TIP	NP	No	140.29					
136	MAH/S/WAN	NP	Yes	205.86	Every year	Leaf sclerosis,	205.86	Teak	Biotic Control
137	MAH/S/YAW	NO	No	177.52					
138	MAH/S/YED	NP		22.37					
139	MAN/N/KEI	NO		40.00					
140	MEG/N/BAL	NP		220.00					
141	MEG/N/NOK	NP	No	47.48					
142	MEG/S/BAG	NP		0.03					
143	MEG/S/NON	NO		29.00					
144	MEG/S/SIJ			5.18					
145	MIZ/N/MUR	NP		200.00					
146	MIZ/N/PHA	NP	No	50.00					
147	MIZ/S/DAM		No	500.00					
148	MIZ/S/KHA	NP	No	41.00					
149	MIZ/S/LEN	NP	No	120.00					
150	MIZ/S/NGE	NP	No	110.00					
151	MP/N/BAN	NO	No	1161.47					
152	MP/N/GHU	NP	No	0.27					
153	MP/N/PEN	NO	No	292.86					
154	MP/N/SAT		No	524.37	1997	Sal Borer	180.00	SAL	Control & catch by cages
	MP/N/SAT				1998	Sal Borer	180.00	SAL	Control & catch by cages
	MP/N/SAT				1999	Sal Borer	180.00	SAL	Control & catch by cages
155	MP/N/VAN	NO	No	4.45					
156	MP/S/GAN	NO	No	368.62					
157	MP/S/KAR	NO							
158	MP/S/KHE	NO		132.78					

Table 1.27: PAs Affected by Diseases of Flora
Note: All values for area are in square kilometre

Sno	PA code	PA affected by flora disease		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Year	Disease	Area Affected	Species affected	Efforts made to control the disease
159	MP/S/KUN	NP	No	344.69					
160	MP/S/NAR		No	57.20					
161	MP/S/NAT		No	460.00					
162	MP/S/NOR	NP	No	1186.96					
163	MP/S/PEN	NP	No	118.00					
164	MP/S/RAL	NP		2.62					
165	MP/S/SAI	NO	No	12.96					
166	MP/S/SAN	NO	No						
167	MP/S/SAR	NP	No	348.12					
168	NAG/N/INT	NO	No	202.02					
169	NAG/S/FAK	NP	No	6.41					
170	NAG/S/PUL	NP	No	9.23					
171	NAG/S/RAN	NP	No	4.70					
172	ORI/S/BAD	NP	No	304.03					
173	ORI/S/BAI	NO		168.35					
174	ORI/S/BAL	NP	No	71.72					
175	ORI/S/CHA		No	193.39					
176	ORI/S/CHI	NPO	No	15.53					
177	ORI/S/DEB	NP	No	346.90					
178	ORI/S/HAD		No	191.60					
179	OPI/S/KHA	NP	No	116.00					
180	ORI/S/KOT	NP	No	399.50					
181	ORI/S/LAK	NP	No	174.96					
182	ORI/S/SUN	NP		600.00					
183	PUN/S/ABO	NP	No	188.22					
184	PUN/S/AIS	NP		2.60					
185	PUN/S/BHA	NP	No	8.20					
186	PUN/S/BHU	NP	No	6.60					
187	PUN/S/DOS	NP	No	7.50					
188	PUN/S/GUR	NP	No	6.10					
189	PUN/S/HAR	NP	No	86.00					
190	PUN/S/MAH	NP	No	2.20					
191	PUN/S/MOT	NP	No	5.24					
192	PUN/S/TAK	NP		3.86					
193	RAJ/N/DES	NO	No	3162.00					
194	RAJ/S/JAM	NO		300.00					
195	RAJ/S/NAH			52.40					Not noticed
196	RAJ/S/TAL	NO	No	7.19					
197	SIK/N/KHA	NO	No	1784.00					
198	SIK/S/BAR	NP	No	104.00					
199	SIK/S/KYON	NP	No	31.00					
200	SIK/S/SHIN	NP	No	43.00					
201	TN/N/GUL	NP		6.23					
202	TN/N/IND	NO		958.00					
203	TN/N/MUD	NO	Yes	321.00					
204	TN/N/MUK	NO	No	78.46					
205	TN/S/CHI	NP		0.48					
206	TN/S/GRI	NP	No	496.38					
207	TN/S/KAN	NP		1.07					
208	TN/S/KARA	NP		4.53					
209	TN/S/KARI	NP	No	0.65					
210	TN/S/KOO	NP	No	1.29					
211	TN/S/MEL	NP							
212	TN/S/POIN	NO	No	25.00					
213	TN/S/PUL	NO							
214	TN/S/UDA	NP	No	0.44					
215	TN/S/VAD	NP	No	1.63					
216	TN/S/VALL	NP	No	16.41					
217	TN/S/VED	NO	No	0.27					
218	TN/S/VELL	NP	No	0.77					
219	TN/S/VET	NP	No	0.38					
220	TRI/S/GUM	NP		389.59					

Table 1.27: PAs Affected by Diseases of Flora
Note: All values for area are in square kilometre

Sno	PA code	PA affected by flora disease		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	PA Area	Year	Disease	Area Affected	Species affected	Efforts made to control the disease
221	TRI/S/TRI	NP	No	194.70					
222	UP/S/CHA		No	96.00					
223	UTT/N/COR	NO	No	520.82					
224	UTT/S/BIN	NP	No	47.07					
225	UTT/S/KED	NO	No	975.20					
226	WB/N/GOR	NP	No	79.45					
227	WB/N/SUN	NP	No	2585.00					
228	WB/S/BAL	NO	No	2.02					
229	WB/S/BET	NP	No	0.67					
230	WB/S/BIB	NP	No	0.64					
231	WB/S/HAL	NP	No	5.95					
232	WB/S/LOT	NP							
233	WB/S/RAI	NP		1.30					
234	WB/S/RAM	NO		0.14				Not yet affected	
235	WB/S/SEN	NP	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
		Old Data 1984-87	New Data 1998-01						
1	A&N/N/SAD	NO	No						
2	A&N/S/CUT	NP	No						
3	A&N/S/INT	NO	No						
4	AP/N/KAS	NP	No						
5	AP/N/MAH	NP	No						
6	AP/N/MRU	NP	No						
7	AP/N/VEN	NP	No						
8	AP/S/COR	NO	No						
9	AP/S/ETU	YES	NA	1981	Rinder pest & Foot and Mouth Disease	Gaur	75%	Transmission from domestic livestock	Innoculation of cattle within and around PA
	AP/S/ETU			1991	Rinder pest & Foot and Mouth Disease	Gaur		Transmission from domestic livestock	'Innoculation of cattle within and around PA
10	AP/S/GUN	NP	No						
11	AP/S/KAW	NO	No						
12	AP/S/KOL	NO	No						
13	AP/S/KOU	NP	No						
14	AP/S/KRI	NP	No						
15	AP/S/MAN	NO	No						
16	AP/S/NEL	NO	No						
17	AP/S/PAK	NO		1981	Rinder pest & Foot and Mouth Disease	Gaur	75%	Transmission from domestic live stock	'Innoculation of cattle within and around PA
	AP/S/PAK			1991	Rinder pest & Foot and Mouth Disease	Gaur		Transmission from domestic live stock	'Innoculation of cattle within and around PA
18	AP/S/PAP	NO		1996	Foot and Mouth disease	Bison	20 nos.	Grazing	Vaccination of domestic cattle

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
19	AP/S/POC	NO	No						
20	AP/S/PRA	NO	No						
21	AP/S/PUL	NO	No						
22	AP/S/SIW	YES	NA						
23	ARU/N/MOU	NP	No						
24	ARU/N/NAM	NO	No						
25	ARU/S/DER	NO	No						
26	ARU/S/KAM	NP							
27	ARU/S/MEH	NO	No						
28	ARU/S/YOR	NP	No		Does not arise				
29	ASS/N/DIB	NP	No						
30	ASS/N/KAZ	NP	No						
31	ASS/N/MAN	NP	No						
32	ASS/N/ORA	NP	No						
33	ASS/S/BAR	NP	No						
34	ASS/S/DIP	NP							
35	ASS/S/GIB	NP	No						
36	ASS/S/LAO	NP	No						
37	ASS/S/PAN	NP	No						
38	ASS/S/POB	NP	No						
39	ASS/S/SON	NP	No						
40	BIH/S/RAJ	NO	No						
41	CHD/S/SUK		No						
42	CHT/N/IND		No						
43	CHT/S/ACH	NO	No						
44	CHT/S/BAD		No						
45	CHT/S/BAG	NO	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
		Old Data 1984-87	New Data 1998-01						
46	CHT/S/BAR	YES	No						
47	CHT/S/BHA		No						
48	CHT/S/PAM		No						
49	CHT/S/SIT	NO	No						
50	CHT/S/TAM	NO	No						
51	CHT/S/UDA		No						
52	CHTT/N/KAN	NO	No						
53	DEL/S/ASO	NP	No						
54	GOA/S/CHO	NP	No						
55	GUJ/N/BAN	NO	No						
56	GUJ/S/PUR	NP							
57	GUJ/S/WTL	NP	No						
58	HAR/N/SUL	NO	No						
59	HAR/S/ABU	NP	No						
60	HAR/S/BHIN	NP	No						
61	HAR/S/BIRB	NP	No						
62	HAR/S/BIRS	NP	No						
63	HAR/S/CHIL	NP	No						
64	HAR/S/KAL	NP	No						
65	HAR/S/KHA	NP	No						
66	HAR/S/NAH	NP	No						
67	HAR/S/SAR	NP	No						
68	HP/N/GRE	YES							
69	HP/S/DAR	NO	No						
70	HP/S/DHA	NP	No						
71	HP/S/GAM	NO	No						
72	HP/S/KAL	NO	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
73	HP/S/KUG	NO	No						
74	HP/S/LIP		No						
75	HP/S/NAR								
76	HP/S/PON								
77	HP/S/RUP	NO	No						
78	HP/S/SAN	NP	No						
79	HP/S/SHI	NO	No						
80	HP/S/TUN	NO	No						
81	J&K/N/KIS	NO	Yes		Foot and Mouth Disease	Goral	20%		
82	J&K/S/OVE		No						
83	JHA/N/RAJ	NP	No						
84	JHA/S/HAZ	NO	No						
85	JHA/S/PAR	NP	No						
86	JHA/S/UDH	NP	No						
87	KAR/N/ANS	NP	No						
88	KAR/N/BAN	NO	No						
89	KAR/N/KUD	NP	No						
90	KAR/N/NAG	NO	No						
91	KAR/S/ADI	NO							
92	KAR/S/ARA	NP							
93	KAR/S/BHA	NO	Yes	89-90	Rinder Pest	Gaur	1 individual	Domestic cattle	Vaccination of cattle has been carried out
94	KAR/S/BRA	NO	No						
95	KAR/S/DAN	YES	No						
96	KAR/S/DOR	NP							
97	KAR/S/GHA	NO	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
		Old Data 1984-87	New Data 1998-01						
98	KAR/S/GUD	NP							
99	KAR/S/KAV	NP	No						
100	KAR/S/MEL	NO	No						
101	KAR/S/MOO	NO	No						
102	KAR/S/NUG	NO	No						
103	KAR/S/PUS	NP	No						
104	KAR/S/RANE	NO	No						
105	KAR/S/RANG	NO	No						
106	KAR/S/SHA		No						
107	KAR/S/SHE	NO	No						
108	KAR/S/SOM	NO	No						
109	KAR/S/TAL	NP	No						
110	KER/N/ERA	NO	No						
111	KER/S/CHIN	NO	No						
112	KER/S/WAY	NO			Data not available				Yearly vaccination of animals (domestic) in surrounding areas
113	MAH/N/AND	NP	No						
114	MAH/N/NAV		No						
115	MAH/N/PEN	NO	No						
116	MAH/N/SAN	NO	No						
117	MAH/S/AMB	NP	No						
118	MAH/S/ANR	NP	No						
119	MAH/S/BHA	NP							
120	MAH/S/BOR	NO	No						
121	MAH/S/CHA	NP	No						
122	MAH/S/GAU	NP	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
123	MAH/S/GYA	NP	No						
124	MAH/S/JAI	NP	No						
125	MAH/S/KAL		No						
126	MAH/S/KAR	NO	No						
127	MAH/S/KAT	NP	No						
128	MAH/S/MAL	NP	NA						
129	MAH/S/NAG	NO	No						
130	MAH/S/NAI	NP	No						
131	MAH/S/NAR	NP							
132	MAH/S/PAI	NP	NA						
133	MAH/S/RAD	NO	No						
134	MAH/S/SAG	NP	No						
135	MAH/S/TIP	NP							
136	MAH/S/WAN	NP							
137	MAH/S/YAW	NO	No						
138	MAH/S/YED	NP		1998	Hydrocill		50%		Animal husbandary authorities have been contacted and informed about the disease
139	MAN/N/KEI	NO						Not known	
140	MEG/N/BAL	NP	No						
141	MEG/N/NOK	NP	Yes	1990-91	Not available	Wild boar	Not available	NA	Immunisation of cattle has been taken up in areas within the 10km radius of the PA
142	MEG/S/BAG	NP	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA			New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention	
143	MEG/S/NON	NO	NA							
144	MEG/S/SIJ	NO	No							
145	MIZ/N/MUR	NP								
146	MIZ/N/PHA	NP	No							
147	MIZ/S/DAM		No							
148	MIZ/S/KHA	NP	No							
149	MIZ/S/LEN	NP	No							
150	MIZ/S/NGE	NP	No							
151	MP/N/BAN	NO	No							
152	MP/N/GHU	NP	No	Nil						
153	MP/N/PEN	NO	No							
154	MP/N/SAT		No	N.A.						
155	MP/N/VAN	NO	Yes	1996	Feline Pan					
156	MP/S/GAN	NO	No		Leniopia (FPL)	Tigers & Panthers	36	Viral disease	Vaccination(annual) carried out	
157	MP/S/KAR	NO								
158	MP/S/KHE	NO	No	N.A.						
159	MP/S/KUN	NP	No							
160	MP/S/NAR		No	N.A.						
161	MP/S/NAT		No							
162	MP/S/NOR	NP	No	Nil						
163	MP/S/PEN	YES	No							
164	MP/S/RAL	NP								
165	MP/S/SAI	NO	No	N.A.						
166	MP/S/SAN	NO	No							
167	MP/S/SAR	NP	No	N.A.						
168	NAG/N/INT	NO	No							

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
169	NAG/S/FAK	NP	No						
170	NAG/S/PUL	NP	No						
171	NAG/S/RAN	NP	No						
172	ORI/S/BAD	NP	Yes	1984	Foot and Mouth Disease	Gaur	60-80%	Due to Drought	None
173	ORI/S/BAI	NO	No						
174	ORI/S/BAL	NP	No						
175	ORI/S/CHA		No						
176	ORI/S/CHI	NP	No						
177	ORI/S/DEB	NP	No						
178	ORI/S/HAD		No						
179	ORI/S/KHA	NP	No						
180	ORI/S/KOT	NP	No						
181	ORI/S/LAK	NP	No						
182	ORI/S/SUN	NP							
183	PUN/S/ABO	NP	No						
184	PUN/S/AIS	NP	No	N.A.					
185	PUN/S/BHA	NP	No	N.A.					
186	PUN/S/BHU	NP	No	N.A.					
187	PUN/S/DOS	NP	No	N.A.					
188	PUN/S/GUR	NP	No	N.A.					
189	PUN/S/HAR	NP	No						
190	PUN/S/MAH	NP	No						
191	PUN/S/MOT	NP	No						
192	PUN/S/TAK	NP							
193	RAJ/N/DES	NO	No						
194	RAJ/S/JAM	NO							

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
195	RAJ/S/NAH								
196	RAJ/S/TAL	NO	No						
197	SIK/N/KHA	NO	No						
198	SIK/S/BAR	NP	No						
199	SIK/S/KYON	NP	No						
200	SIK/S/SHIN	NP	No						
201	TN/N/GUL	NP							
202	TN/N/IND	NP	No						
203	TN/N/MUD	NP	No		Foot and Mouth Disease	Not known			
204	TN/N/MUK	NP	No						
205	TN/S/CHI	NP							
206	TN/S/GRI	NP	No						
207	TN/S/KAN	NP							
208	TN/S/KARA	NP							
209	TN/S/KARI	NP	No						
210	TN/S/KOO	NP	No						
211	TN/S/MEL	NP							
212	TN/S/POIN	NO							
213	TN/S/PUL	NO	No						
214	TN/S/UDA	NP	No						
215	TN/S/VAD	NP	No						
216	TN/S/VALL	NP	No						
217	TN/S/VED	NO	No						
218	TN/S/VELL	NP	No						
219	TN/S/VET	NP							
220	TRI/S/GUM	NP	No						

Table 1.28: PAs Affected by Diseases of Fauna
Note: All values for area are in square kilometre

Sno	PA code	Occurrence of any faunal diseases in the PA		New Data 1998-01					
		Old Data 1984-87	New Data 1998-01	Year	Name of the Disease	Species affected	Percentage of the population affected	Cause of the disease	Steps taken for prevention
221	TRI/S/TRI	NP	No						
222	UP/S/CHA		No						
223	UTT/N/COR	YES	No						
224	UTT/S/BIN	NP	No						
225	UTT/S/KED	NO	No						
226	WB/N/GOR	NP	No						
227	WB/N/SUN	NP	No						
228	WB/S/BAL	NO	No						
229	WB/S/BET	NP	No						
230	WB/S/BIB	NP	No						
231	WB/S/HAL	NP	No						
232	WB/S/LOT	NP							
233	WB/S/RAI	NP							
234	WB/S/RAM	NO							
235	WB/S/SEN	NP							

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA			Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	
1	A&N/N/SAD	NO		NO									No	
2	A&N/S/CUT	NP		NP									No	
3	A&N/S/INT	NO		NO									No	
4	AP/N/KAS	NP	Never	NP									No	
5	AP/N/MAH	NP		NP	Regularly				100%				Yes	
6	AP/N/MRU	NP	No livestock within PA due to fencing all around. No livestock can enter the PA	NP									No	
7	AP/N/VEN	NP		NP									No	
8	AP/S/COR	NO	No village within PA, therefore no livestock	NO	Sometimes				100%			Never	No	
9	AP/S/ETU	YES	Regularly, but not all livestock are vaccinated	YES	Sometimes, but not all livestock are vaccinated	25%		10%			YES	Occasionally	NO	
10	AP/S/GUN	NP											No	

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA			Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
11	AP/S/KAW	NO		YES			0	70%			NO		NO	No
12	AP/S/KOL		Sometimes		Sometimes		50%		50%			Never	NO	No
13	AP/S/KOU	NP	Regularly		Sometimes		100%		45%					No
14	AP/S/KRI	NP	Regularly		Regularly		100%		50%			Occasion ally		No
15	AP/S/MAN	NO	Sometimes	YES	Sometimes	0		90%			NO		NO	No
16	AP/S/NEL	NO		YES		0		100%			NO		NO	No
17	AP/S/PAK	YES	Regularly, but not all livestock are vaccinated	YES	Regularly, but not all livestock are vaccinated	23%	70%	14%	60%		YES	Occasion ally	NO	No
18	AP/S/PAP	NO		NO	Sometimes	0		0%	50%		NO		NO	No
19	AP/S/POC	NO	Never	NO	Regularly	0		0%	80%		NO	Never	NO	No
20	AP/S/PRA	NO		YES	Sometimes	0	70%	80%	70%		NO	Occasion ally	NO	No
21	AP/S/PUL	NO	Never	YES		0		100%			NO	Never	NO	No
22	AP/S/SIW	NO		YES	Sometimes	0	70%	80%	70%		NO	Occasion ally	NO	No
23	ARU/N/MOU	NP												
24	ARU/N/NAM	YES		YES	Regularly	100%		100%	1		YES	NA	YES	No
25	ARU/S/DER	NO		NO	Sometimes	0		0%	20-25%				NO	No
26	ARU/S/KAM	NP	Never		Sometimes						NO			
27	ARU/S/MEH	NO	Sometimes	YES	Sometimes		100%	Few.	0.6			Never	NO	No

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA			Vaccination of livestock through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
28	ARU/S/YOR	NP	Never		Never							Never		No
29	ASS/N/DIB	NP	Regularly		Regularly									No
30	ASS/N/KAZ	NP			Regularly					80%				No
31	ASS/N/MAN	NP	Never		Sometimes					25-35		Never		No
32	ASS/N/ORR	NP			Sometimes					50%				No
33	ASS/S/BAR	NP	Never		Regularly					80% (by the Veterinary department)		Never		No
34	ASS/S/DIP	NP	Regularly		Regularly									No
35	ASS/S/GIB	NP	Regularly		Regularly					100%		Never		No
36	ASS/S/LAO	NP	Never		Sometimes					10%		Never		No
37	ASS/S/PAN	NP	Regularly		Regularly									No
38	ASS/S/POB	NP	Regularly		Regularly							Never		No
39	ASS/S/SON	NP			Sometimes					80%		Occasion ally		No
40	BIH/S/RAJ							0%			NO		NO	No
41	CHD/S/SUK				Regularly	0	100%	90%						No
42	CHT/N/IND	NO			Regularly	0		0%			NO		NO	No
43	CHT/S/ACH	NO			NO	10					YES		NO	No
44	CHT/S/BAD	YES	Sometimes		Sometimes		80%			75%	NO	Occasion ally	NO	No
45	CHT/S/BAG	NO	sometimes		sometimes		90%			35%	YES	Occasion ally	NO	No
46	CHT/S/BAR		Regularly		Regularly	0	100%	100%		100%		YES		
47	CHT/S/BHA	NO	Regularly		Regularly	0		0%		95%	NO	Always	NO	No

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
48	CHT/S/PAM	NO	sometimes	NO		0		0%		YES		NO	No
49	CHT/S/SIT			YES	Regularly		100%	100%	80%	YES	Occasion ally	NO	No
50	CHT/S/TAM	NO	Regularly	NO	Regularly	0	80%	0%	75%	YES	Always	NO	No
51	CHT/S/UDA	NO	Regularly	NO	Regularly	0	100%	0%	100%	NO	Occasion ally	NO	No
52	CHTT/N/KAN	YES	Sometimes	NO	21	10	100%	0%	60%	NO	Never	NO	No
53	DEL/S/ASO	NP	Never		Regularly		0%		70%		N.A.		No
54	GOA/S/CHO	NP	Never		Regularly				70%				No
55	GUJ/N/BAN		Regularly	NO			100%		100%	NO	Occasion ally		Yes
56	GUJ/S/PUR	NP	Regularly		Regularly		100%		100%		Occasion ally		No
57	GUJ/S/WIL	NP	Sometimes		Sometimes		100%		5%		Never		No
58	HAR/N/SUL		Regularly	YES	Regularly				90%				No
59	HAR/S/ABU	NP											No
60	HAR/S/BHIN	NP							90%				No
61	HAR/S/BIRB	NP											No
62	HAR/S/BIRS	NP							80%				No
63	HAR/S/CHIL	NP											No
64	HAR/S/KAL	NP							5%				No
65	HAR/S/KHA	NP							90%				No
66	HAR/S/NAH	NP											No
67	HAR/S/SAR	NP							90%		Ocasional ly		No

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
68	HP/N/GRE												
69	HP/S/DAR	NO	Regularly (once a year)		Regularly		100%		100%(this depends upon the budget available)	NO	Never	NO	No
70	HP/S/DHA	NP	Sometimes		Sometimes		50%		50%		Never		No
71	HP/S/GAM	NO	Regularly	YES	Regularly	0	100%	40%	100%	NO	Occasionally	NO	No
72	HP/S/KAL	NO	Sometimes	NO	Sometimes		50%		50%	NO	Occasionally	NO	No
73	HP/S/KUG	YES	Regularly	YES	Regularly	25%	50%	40%	50%	NO	Never	NO	No
74	HP/S/LIP	NO	No village within the PA, therefore no livestock	NO	Regularly				100%	NO	No road	NO	No
75	HP/S/NAR	NO		NO						NO		NO	
76	HP/S/PON			NO						NO		NO	
77	HP/S/RUP	NO	Regularly	NO	Regularly		100%		20%	NO	Always	NO	No
78	HP/S/SAN	NP	Regularly (once in a year)		Regularly (whenever livestock enter the PA)		100%						No

Table L.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA on		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
79	HP/S/SHI	NO	Never	NO	Never						Never	NO	No
80	HP/S/TUN	YES	Regularly	NO	Regularly	20%	50%	40%	50%		NO	NO	No
81	J&K/N/KIS	NO	Sometimes	NO	Sometimes		40%		40%		Occasion ally	NO	
82	J&K/S/OVE	NO		NO								NO	
83	JHA/N/RAJ	NP											No
84	JHA/S/HAZ	NO		NO		0		0%				NO	No
85	JHA/S/PAR	NP											No
86	JHA/S/UDH	NP											No
87	KAR/N/ANS	NP	Regularly		Regularly		100%		100%		Never		No
88	KAR/N/BAN	NO	Never	YES	Regularly	0		70%	60%		Always	NO	No
89	KAR/N/KUD	NP	Never		Sometimes		60%		30%	YES	Occasion ally		No
90	KAR/N/NAG	YES	Regularly	YES	Regularly	65%		30%	50%		Never	YES	No
91	KAR/S/ADI	NO	Never	NO	Sometimes	0		0%		YES		NO	No
92	KAR/S/ARA	NP								NO			NA
93	KAR/S/BHA	YES	Regularly	YES	Regularly	80%	100%	70%	100%		Occasion ally	NO	No
94	KAR/S/BRA	YES		YES	Sometimes	70%		70%		YES		NO	No
95	KAR/S/DAN	NO	Regularly	NO	Regularly	0	100%	0%	100%	YES	Never	NO	No
96	KAR/S/DOR	NP	Never		Never					NO	Never		Yes
97	KAR/S/GHA	NO		NO	Never	0		0%			Never	NO	No
98	KAR/S/GUD	NP								NO			
99	KAR/S/KAV	NP			Sometimes						No roads		No
100	KAR/S/MEL	NO		YES	Sometimes	0		70%			Never	NO	No
101	KAR/S/MOO	YES	Never	YES	Never	80%		80%		YES	Never	NO	No
102	KAR/S/NUG	YES		YES	Sometimes	0		40%	60%	YES	Never	YES	No

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA			Percentage of livestock vaccinated outside the PA			Vaccination of livestock passing through the PA on		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
103	KAR/S/PUS	NP	Sometimes		Sometimes						50-60%	YES	No livestock passing through the PA		No
104	KAR/S/RANE		Sometimes		Sometimes						50-60%		Never		Yes
105	KAR/S/RANG				Sometimes										NA
106	KAR/S/SHA	YES	Never	YES		85%		85%							No
107	KAR/S/SHE	YES	Regularly	YES	Regularly	70%	100%	70%	100%				Occasion ally	NO	No
108	KAR/S/SOM	YES	Never	YES		85%	60%	85%	30%			YES	Occasion ally	NO	No
109	KAR/S/TAL	NP	Regularly		Regularly							YES			No
110	KER/N/ERA	NO	Regularly	NO	Regularly	0	100%	0%	100%					NO	No
111	KER/S/CHIN	NO	Sometimes	NO	Sometimes	0	70%	0%	50%			NO		NO	No
112	KER/S/WAY	NO	Regularly	YES	Regularly		100%		75%			YES	Never	NO	No
113	MAH/N/AND	NP	Regularly		Regularly		100%		100%			NO	NA		No
114	MAH/N/NAV	NP	Regularly		Regularly		75%		75%						No
115	MAH/N/PEN	NO	Never(3/4 years back)	NO	Never							NO	Never	NO	
116	MAH/N/SAN	NO	Never	NO	Never	0		0%							No
117	MAH/S/AMB	NP	Regularly		Regularly		100%		50%				Occasion ally		No

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
118	MAH/S/ANR	NP	Sometimes		Never						Never		
119	MAH/S/BHA	NP	Regularly				0%				Never		No
120	MAH/S/BOR	NO	Never	NO	Never	0	0%	0%	0%	NO	Never	NO	No
121	MAH/S/CHA	NP	Regularly		Regularly		100%		60%		Always		No
122	MAH/S/GAU	NP			Sometimes				10%		Never		No
123	MAH/S/GYA	NP	Never		Never						Never		No
124	MAH/S/JAI	NP	Never		Never						Never		No
125	MAH/S/KAL	NO	Regularly	NO	Sometimes					NO	Never	NO	No
126	MAH/S/KAR	NO	Sometimes	NO	Sometimes	0		0%		NO	Occasion ally	NO	No
127	MAH/S/KAT	NP	Regularly		Regularly		100%		100%		Never		No
128	MAH/S/MAL	NP									Never		NA
129	MAH/S/NAG	NO	Regularly	NO	Regularly	0	75%	0%	75%	NO	Never	NO	No
130	MAH/S/NAI	NP	Never		Never						Never		No
131	MAH/S/NAR	NP	Never		Never						Never		
132	MAH/S/PAI	NP	Sometimes		Sometimes		10%		10%		Never		No
133	MAH/S/RAD	NO	Sometimes	NO	Sometimes					NO	Never	NO	No
134	MAH/S/SAG	NP	Regularly		Regularly				100%		Never		No
135	MAH/S/TIP	NP	Never		Never						Never		No
136	MAH/S/WAN	NP	Regularly		Sometimes								
137	MAH/S/YAW	NO		NO	Sometimes	0				NO	Never	NO	No
138	MAH/S/YED	NP	Never		Never								
139	MAN/N/KEI	NO		YES	Regularly	0	70%	60%	70%	NO		NO	No
140	MEG/N/BAL	NP	Never		Sometimes		0%		60-70%		Occasion ally		NA

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Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
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141	MEG/N/NOK	NP.	Sometimes		Regularly				100%		Not existed		No
142	MEG/S/BAG	NP											No
143	MEG/S/NON	NO	Sometimes	NO	Sometimes					NO	Occasionally	NO	No
144	MEG/S/SIJ	NO	Never	NO	Sometimes (within 10 km radius of the PA)					NO	Occasionally	NO	No
145	MIZ/N/MUR	NO	Never		Never						N.A.		
146	MIZ/N/PHA	NO	Never		Sometimes		0%		20% to 40% in coordination with animal husbandry department	NO	Always		No
147	MIZ/S/DAM		Never		Sometimes				5%		Never	NO	No
148	MIZ/S/KHA	NP	Never		Never						N.A.		
149	MIZ/S/LEN	NP	Never								Never		No
150	MIZ/S/NGE	NP	Never		Never				0%		N.A.		No
151	MP/N/BAN	YES	Regularly	YES	Sometimes		100%		80% approx	YES	Occasionally	NO	No
152	MP/N/GHU	NP	Sometimes						Data not available		Never		No
153	MP/N/PEN	NO	N.A.	YES	Sometimes			70%	60%		N.A.	NO	NA

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Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
154	MP/N/SAT	NO	Regularly	NO	Regularly		100%		75-90%	NO	Never	NO	No
155	MP/N/VAN		Sometimes	NO	Regularly	0			N.A.		Never	NO	Yes
156	MP/S/GAN	NO	Regularly	NO	Regularly	0	100%	0%	100%	NO	Never	NO	No
157	MP/S/KAR	NO		NO	Regularly	0		0%		NO		NO	
158	MP/S/KHE	NO	Regularly	YES	Regularly	0	100%			NO		NO	No
159	MP/S/KUN	NP	Sometimes		Sometimes		5%		15%			NO	Yes
160	MP/S/NAR	NO	Regularly	NO	Regularly		75%		75%	YES	Never	NO	No
161	MP/S/NAT		Sometimes		Sometimes					NO	Occasionally	NO	
162	MP/S/NOR	NP	Sometimes		Sometimes		50%		20%		Never		No
163	MP/S/PEN	NO	Sometimes	YES	Sometimes			70%	70%	YES	Never	NO	No
164	MP/S/RAL	NP	Never		Regularly		0%		85%		No such livestock passing through the PA		No
165	MP/S/SAI	NO	Never	NO	Regularly	0		0%	50%	NO		NO	No
166	MP/S/SAN	YES		YES		80%		80%				NO	No
167	MP/S/SAR	NP	Sometimes		Sometimes		100%		100%		Occasionally		No
168	NAG/N/INT	NO	Never	NO	Sometimes				25%		Never	NO	No
169	NAG/S/FAK	NP	Never		Never						Never		No
170	NAG/S/PUL	NP	Never		Never						Never		No

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Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA			Vaccination of livestock passing through the PA on		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	
171	NAG/S/RAN	NP	Sometimes		Sometime		5%		25%		Never		No	
172	ORI/S/BAD	NP	Regularly		Regularly		40%		Can't say		Never		No	
173	ORI/S/BAI	NO	Sometimes	NO	Sometimes		100%		100%		NO	Never(No such livestock passing through the PA)	No	
174	ORI/S/BAL	NP			Not known							Never	No	
175	ORI/S/CHA	NO		NO	Sometimes				90%		NO	NO	No	
176	ORI/S/CHI	NP	Sometimes		Sometimes		0%		20		Never		No	
177	ORI/S/DEB	NP			Regularly		100%		100%		Never		No	
178	ORI/S/HAD	NO		NO			20%		90%		NO	NO	No	
179	ORI/S/KHA	NP	Sometimes		Sometimes						Never		No	
180	ORI/S/KOT	NP	Sometimes				100%		100%		Never		No	
181	ORI/S/LAK	NP	Never		Sometimes		75%				Never		No	
182	ORI/S/SUN	NP	Sometimes		Never		50%				Never		No	
183	PUN/S/ABO	NP	N.A		Regularly		100%		90%		Occasion ally		No	
184	PUN/S/AIS	NP	Regularly		Regularly		100%		100%		N.A.		No	
185	PUN/S/BHA	NP	Regularly		Regularly		100%		100%		Occasion ally		No	

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA on		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
186	PUN/S/BHU	NP			Regularly		100%		100%			Occasion ally	No
187	PUN/S/DOS	NP	Regularly		Regularly		100%		100%			Occasion ally	No
188	PUN/S/GUR	NP	Regularly		Regularly		100%		100%				No
189	PUN/S/HAR	NP	Regularly		Regularly		100%		90%			Occasion ally	No
190	PUN/S/MAH	NP	Regularly		Regularly		100%		100%			N.A.	No
191	PUN/S/MOT	NP	Regularly		Regularly		100%		100%			N.A.	No
192	PUN/S/TAK	NP	N.A.		N.A.		100%		100%			N.A.	No
193	RAJ/N/DES	NO	Sometime	NO	Sometime		10%		10%	YES	Ocasinally	NO	No
194	RAJ/S/JAM		Sometimes	NO	Sometimes						NO	Never	No
195	RAJ/S/NAH	NO	Never	NO	Never	0		0%			NO	Never	No
196	RAJ/S/TAL	NO	Sometimes	NO	Regularly	0		0%	100%			Always	No
197	SIK/N/KHA	NO		NO							NO		No
198	SIK/S/BAR	NP											
199	SIK/S/KYON	NP											No
200	SIK/S/SHIN	NP											No
201	TN/N/GUL	NP											
202	TN/N/IND	NP	Sometimes		Sometimes							Always	No
203	TN/N/MUD	NP	Regularly		Regularly		100%					Always	No
204	TN/N/MUK	NP											
205	TN/S/CHI	NP										Never	No

Table 1.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA		Percentage of livestock vaccinated outside the PA		Vaccination of livestock passing through the PA		Do quarantine facilities exist in or around the PA	
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01
206	TN/S/GRI	NP	Sometimes		Sometimes		70%				Always		
207	TN/S/KAN	NP										No	
208	TN/S/KARA	NP											
209	TN/S/KARI	NP											
210	TN/S/KOO	NP			Never						Never	No	
211	TN/S/MEL	NP											
212	TN/S/POIN	YES	Never	YES	Never	100%		0%		A ?	Never	NO	No
213	TN/S/PUL									NO		NO	
214	TN/S/UDA	NP	Never		Never								
215	TN/S/VAD	NP	Never		Never								No
216	TN/S/VALL	NP			Sometimes						Never		No
217	TN/S/VED	NO		NO		0		0%		NO		NO	No
218	TN/S/VELL	NP	Never								Never		No
219	TN/S/VET	NP											No
220	TRI/S/GUM	NP											No
221	TRI/S/TRI	NP											No
222	UP/S/CHA	NO		NO									
223	UTT/N/COR			YES			80%			NO		NO	No
224	UTT/S/BIN	NP						15%		YES		NO	No
225	UTT/S/KED	NO					95%		95%				No
226	WB/N/GOR	NP	Regularly	NO					98%	NO		NO	No
227	WB/N/SUN	NP	Regularly		Regularly				50%		Occasionally		No
228	WB/S/BAL	NO		YES	Sometimes		100%	40%	50%			YES	No
229	WB/S/BET	NP			Regularly				70%				Yes
230	WB/S/BIB	NP	Sometimes		Sometimes				20%				No

Table i.29: Vaccination of Livestock

Sno	PA code	Vaccination of livestock within the PA		Vaccination of livestock outside the PA		Percentage of livestock vaccinated within the PA			Percentage of livestock vaccinated outside the PA			Vaccination of livestock passing through the PA on			Do quarantine facilities exist in or around the PA		
		OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01	OLD DATA 1984-87	NEW DATA 1998-01		OLD DATA 1984-87	NEW DATA 1998-01		OLD DATA 1984-87	NEW DATA 1998-01		OLD DATA 1984-87	NEW DATA 1998-01	
231	WB/S/HAL	NP	Never		Never								Never			No	
232	WB/S/LOT	NP															
233	WB/S/RAI	NP	Never		Never								Never			No	
234	WB/S/RAM	NO		NO			0				0%				NO	No	
235	WB/S/SEN	NP			Regularly						100%		Never			No	