



নিসর্গ নেটওয়ার্ক

INTEGRATED RESOURCES MANAGEMENT PLANS

FOR

THE SUNDARBANS

(2010-2020)

VOLUME II: SUPPORT MATERIAL



Forest Department
Ministry of Environment and Forests
Dhaka, Bangladesh

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Volume II: Support Material
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Part I

Annexure I.1: List of 76 Villages

Sarankhola Upazila				
Sl. No.	Village	Union	Population	Range
1	South Rajapur	Raeanda	1350	Sarankhola Range
2	Sonatola	Southkhali	4200	Sarankhola Range
3	Khuriakhali	Southkhali	3200	Sarankhola Range
4	Chaltabunia	Southkhali	3360	Sarankhola Range
5	Bogi	Southkhali	2400	Sarankhola Range
6	Dhansagar	Dhansagar Union (No.1)	2300	Chadpai Range
7	East Rajapur	Dhansagar Union (No.1)	3000	Chadpai Range
8	Rotia Rajapur	Dhansagar Union (No.1)	700	Chadpai Range
9	Weast Rajapur	Dhansagar Union (No.1)	8150	Chadpai Range
10	North Rajapur	Dhansagar Union (No.1)	5980	Chadpai Range
		Total	34,640	
Dakop Upazila				
Sl. No.	Village	Union	Population	Range
1	Kailashgonj	Kailashgonj	3500	Chadpai Range
2	Weast Dangmari	Baniashasta (No.1)	1700	Chadpai Range
3	Kajuria	Baniashasta (No.1)	2100	Chadpai Range
4	Vojonkhali	Baniashasta (No.1)	720	Chadpai Range
5	East Dangmari	Baniashasta (No.1)	1900	Chadpai Range
6	Gunari	Sutarkhali	6600	Khulna Range
7	Kalabogi	Sutarkhali	5900	Khulna Range
8	Sutarkhali	Sutarkhali	6650	Khulna Range
9	Nolian	Sutarkhali	8450	Khulna Range
		Total	37,520	
Mongla Upazila				
Sl. No.	Village	Union	Population	Range
1	Joymoni	Chila (No.6)	5000	Chadpai Range
2	Chila	Chila (No.6)	8000	Chadpai Range
3	Hoglabunia	Sundarbon Union	400	Chadpai Range

4	Katakhali	Sundarbon Union	800	Chadpai Range
5	Burburia	Sundarbon Union	350	Chadpai Range
6	Golbunia	Sundarbon Union	500	Chadpai Range
7	Kochubunia	Sundarbon Union	5140	Chadpai Range
8	Boroitoli	Sundarbon Union	1260	Chadpai Range
9	South Bazikorkhond	Sundarbon Union	5500	Chadpai Range
		Total	26,950	
Morelgonj Upazila				
Sl. No.	Village	Union	Population	Range
1	Weast Amurbunia	Nishanbaria (No.13)	3000	Chadpai Range
2	P.C. Baroikhali (No.4)	Nishanbaria (No.13)	9150	Chadpai Range
3	Olishakhali (No.7)	Nishanbaria (No.13)	4520	Chadpai Range
4	Amurbunia (No.8)	Nishanbaria (No.13)	4980	Chadpai Range
5	Geodhara	Nishanbaria (No.13)	3500	Chadpai Range
		Total	25,150	
Sham Nagar Upazila				
Sl. No.	Village	Union	Population	Range
1	South Kadamtoli	Munshigonj	2985	Satkhira
2	Horinagar	Munshigonj	4527	Satkhira
3	Chunkouri	Munshigonj	2078	Satkhira
4	jotindro nagar	Munshigonj	1324	Satkhira
5	Mirgaon	Munshigonj	3000	Satkhira
6	Kultoli	Munshigonj	2084	Satkhira
7	Munshigonj	Munshigonj	2499	Satkhira
8	Jelexhali	Munshigonj	5454	Satkhira
9	Dumuria	Gabura	3768	Satkhira
10	Sora (No.9)	Gabura	6272	Satkhira
11	Chadnimukha	Gabura	2125	Satkhira
12	Sora (No.10)	Gabura	2469	Satkhira
13	Datinakhali	Burigoalini	3315	Satkhira
14	Kolbari	Burigoalini	2122	Satkhira
15	Burigoalini	Burigoalini	1514	Satkhira

16	Kalinichi	Romjan nagar	2138	Satkhira
17	Goalkhali	Romjan nagar	1760	Satkhira
18	Tangrakhali	Romjan nagar	2181	Satkhira
19	Choto vetkhali	Romjan nagar	3925	Satkhira
20	Koikhali	Koikhali	2000	Satkhira
		Total	57,696	
Koira Upazila				
Sl. No.	Village	Union	Population	Range
1	Koira (No.4)	Koira	5046	Khulna
2	Koira (No.5)	Koira	2792	Khulna
3	Koira (No.6)	Koira	2258	Khulna
4	Boro Auntihara	South Bedkashi	2210	Khulna
5	Jorsing	South Bedkashi	3993	Khulna
6	Goalkhali	South Bedkashi	2863	Khulna
7	Matiadanga	South Bedkashi	1040	Khulna
8	Binapani	South Bedkashi	1394	Khulna
9	Choto Auntihara	South Bedkashi	1273	Khulna
10	Sutarkona	Moharajpur	1168	Khulna
11	Sutirgar	Moharajpur	706	Khulna
12	Motirvanga	Moharajpur	618	Khulna
13	Weast Mothbari	Moharajpur	906	Khulna
14	North mothbari	Moharajpur	760	Khulna
15	Patharkhali	North Bedkashi	892	Khulna
16	Gazipara	North Bedkashi	969	Khulna
17	Datir giri	North Bedkashi	627	Khulna
18	Horihorpur	North Bedkashi	1040	Khulna
19	Shakbaria	North Bedkashi	391	Khulna
20	Gabdunia	North Bedkashi	196	Khulna
21	Hodda	Moheseripur	5910	Khulna
22	South Moheseripur	Moheseripur	6932	Khulna
23	South Tetulachor	Moheseripur	2337	Khulna
		Total	45,771	

Summary

Upazila	Union	Village	Population	Range
Saronkhola	3	10	34,640	Saronkhola, Chadpai
Dakop	3	9	37,520	Chadpai, Khulna
Mongla	2	9	26,950	Chadpai
Morelgonj	1	5	25,150	Chadpai
Shamnagor	5	20	57,696	Satkhira
Koira	5	23	45,771	Khulna
=6	=19	=76	=2,27,727	4

Annexure 3.1: Soil Organic Matter for the Sundarbans

Sl. No.	Plot No.	Soil depth (cm)	Organic Carbon (%)	Sl. No.	Plot No.	Soil depth (cm)	Organic Carbon (%)
1	2	3	4	1	2	3	4
01	47	0-30	1.38	23	164	0-30	0.98
		30-100	1.22			30-100	1.58
02	64	0-30	1.10	24	166	0-30	1.61
		30-100	0.90			30-100	0.94
03	67	0-30	0.75	25	208	0-30	2.36
		30-100	1.30			30-100	1.30
04	69	0-30	0.75	26	210	0-30	1.18
		30-100	0.87			30-100	1.30
05	70	0-30	0.63	27	212	0-30	1.89
		30-100	1.22			30-100	1.22
06	71	0-30	0.59	28	239	0-30	1.02
		30-100	1.02			30-100	1.10
07	73	0-30	1.73	29	241	0-30	1.73
		30-100	2.05			30-100	0.94
08	75	0-30	0.79	30	242	0-30	1.50
		30-100	1.42			30-100	1.26
09	77	0-30	1.18	31	244	0-30	1.18
		30-100	2.36			30-100	1.26
10	79	0-30	1.73	32	273	0-30	1.22
		30-100	1.02			30-100	2.36
11	81	0-30	1.02	33	275	0-30	1.38
		30-100	1.06			30-100	1.81
12	83	0-30	1.50	34	276	0-30	1.85
		30-100	1.22			30-100	0.94
13	85	0-30	0.79	35	278	0-30	1.54
		30-100	0.87			30-100	1.73
14	133	0-30	0.94	36	280	0-30	1.85
		30-100	0.75			30-100	1.81
15	148	0-30	1.18	37	304	0-30	1.50
		30-100	1.26			30-100	1.69
16	151	0-30	0.79	38	306	0-30	2.60
		30-100	0.90			30-100	1.65
17	153	0-30	2.36	39	363	0-30	1.26
		30-100	0.79			30-100	1.14
18	155	0-30	1.93	40	365	0-30	1.18
		30-100	0.71			30-100	1.10
19	157	0-30	0.90	41	367	0-30	1.46
		30-100	1.10			30-100	0.98
20	158	0-30	0.94	42	369	0-30	0.98
		30-100	1.18			30-100	0.94
21	160	0-30	0.98	43	371	0-30	0.31
		30-100	1.34			30-100	1.18
22	163	0-30	1.10	44	373	0-30	1.81
		30-100	0.90			30-100	1.38
45	375	0-30	1.38	67	562	0-30	1.54
		30-100	1.38			30-100	1.42
46		0-30	1.97	68	565	0-30	1.30
		30-100	0.98			30-100	1.22
47	380	0-30	1.22	69	567	0-30	2.05
		30-100	0.63			30-100	1.14
48	382	0-30	1.22	70	605	0-30	1.34
		30-100	0.87			30-100	1.02
49	436	0-30	0.90	71	607	0-30	2.20

		30-100	1.14			30-100	0.94
50	438	0-30	1.93	72	609	0-30	1.06
		30-100	3.35			30-100	1.14
51	440	0-30	1.69	73	611	0-30	1.54
		30-100	1.30			30-100	1.50
52	442	0-30	1.38	74	613	0-30	1.50
		30-100	1.14			30-100	0.87
53	443	0-30	2.44	75	615	0-30	1.46
		30-100	1.18			30-100	0.83
54	447	0-30	2.28	76	636	0-30	1.42
		30-100	1.65			30-100	1.14
55	449	0-30	0.90	77	652	0-30	0.63
		30-100	0.87			30-100	0.87
56	453	0-30	1.26	78	654	0-30	1.10
		30-100	1.46			30-100	0.67
57	500	0-30	1.50	79	688	0-30	0.71
		30-100	1.10			30-100	0.95
58	502	0-30	2.09	80	690	0-30	0.90
		30-100	0.98			30-100	2.36
59	504	0-30	0.87	81	692	0-30	1.06
		30-100	0.75			30-100	2.48
60	505	0-30	0.94	82	694	0-30	0.75
		30-100	0.83			30-100	0.79
61	506	0-30	2.44	83	696	0-30	1.77
		30-100	1.46			30-100	0.59
62	509	0-30	1.85	84	698	0-30	1.06
		30-100	1.57			30-100	1.26
63	511	0-30	2.91	85	700	0-30	0.83
		30-100	1.14			30-100	0.63
64	556	0-30	1.38	86	702	0-30	0.71
		30-100	1.81			30-100	0.63
65	558	0-30	1.97	87	750	0-30	0.75
		30-100	1.02			30-100	0.83
66	560	0-30	1.85	88	753	0-30	0.75
		30-100	2.56			30-100	0.55
91	760	0-30	1.50	113	969	0-30	0.98
		30-100	0.79			30-100	1.42
92	764	0-30	1.06	114	971	0-30	1.14
		30-100	0.63			30-100	0.71
93	814	0-30	0.67	115	974	0-30	1.22
		30-100	0.75			30-100	1.34
94	815	0-30	0.67	116	988	0-30	0.98
		30-100	0.75			30-100	0.94
95	816	0-30	0.47	117	990	0-30	0.79
		30-100	0.75			30-100	0.71
96	818	0-30	1.46	118	991	0-30	0.51
		30-100	0.67			30-100	0.63
97	820	0-30	0.55	119	992	0-30	0.63
		30-100	0.55			30-100	0.59
98	822	0-30	0.83	120	1017	0-30	0.94
		30-100	0.80			30-100	2.72
99	824	0-30	0.83	121	1019	0-30	0.87
		30-100	1.26			30-100	0.39
100	826	0-30	0.47	122	1022	0-30	1.46
		30-100	0.98			30-100	1.10
101	887	0-30	0.83	123	1024	0-30	0.71
		30-100	0.98			30-100	0.67
102	890	0-30	0.63	124	1069	0-30	0.87
		30-100	1.26			30-100	1.46
103	892	0-30	0.51	125	1071	0-30	0.98
		30-100	0.87			30-100	0.35

104	896	0-30	1.10	126	1072	0-30	0.98
		30-100	1.02			30-100	0.51
105	897	0-30	0.75	127	1073	0-30	0.79
		30-100	1.34			30-100	1.06
106	899	0-30	0.75	128	1075	0-30	0.71
		30-100	1.26			30-100	0.75
107	902	0-30	0.71	129	1076	0-30	1.02
		30-100	1.22			30-100	1.77
108	904	0-30	0.94	130	1078	0-30	0.90
		30-100	1.30			30-100	1.14
109	959	0-30	0.87	131	1080	0-30	1.54
		30-100	0.71			30-100	1.02
110	961	0-30	1.30	132	1082	0-30	1.93
		30-100	0.98			30-100	1.46
111	963	0-30	0.79	133	1127	0-30	0.63
		30-100	0.79			30-100	0.87
112	966	0-30	0.59	134	1128	0-30	1.10
		30-100	0.98			30-100	0.71
135	1130	0-30	0.39	143	1191	0-30	0.67
		30-100	0.71			30-100	0.59
136	1131	0-30	0.63	144	1192	0-30	0.63
		30-100	0.67			30-100	1.02
137	1132	0-30	0.83	145	1194	0-30	0.83
		30-100	1.57			30-100	0.83
138	1134	0-30	0.75	146	1196	0-30	1.14
		30-100	1.02			30-100	0.98
139	1135	0-30	1.14	147	1198	0-30	1.46
		30-100	1.46			30-100	0.58
140	1137	0-30	1.22	148	1200	0-30	1.46
		30-100	0.79			30-100	1.02
141	1138	0-30	1.97	149	1202	0-30	1.02
		30-100	0.71			30-100	0.87
142	1188	0-30	0.71	150	----	0-30	----
		30-100	1.10			30-100	----

Annexure 3.2 a: Temperature

Month	1987		1988		1989		1990		1991		1992		1993		1994		1995		1996	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
APR	35.1	23.3	38.6	19.6	35.7	24.5	36.7	15.8	37.0	18.7	38.8	20.2	34.4	23.3	34.7	23.0	36.6	24.6	35.1	23.6
MAY	35.6	24.4	30.2	22.0	34.7	25.6	36.3	21.7	36.5	20.8	37.4	19.4	33.6	24.8	34.7	25.3	34.8	26.7	35.1	25.5
JUNE	35.1	26.6	37.0	14.3	33.1	25.9	36.0	22.4	35.2	23.0	37.2	22.2	32.4	25.8	32.5	26.6	33.0	26.6	33.0	25.1
JULY	32.0	25.5	34.5	21.0	32.0	26.2	35.0	24.6	34.8	25.0	35.5	22.2	32.0	26.6	32.6	26.4	32.0	26.2	32.8	26.2
AUG	32.7	25.6	31.8	26.5	32.4	26.6	34.5	24.8	35.5	24.0	35.0	23.3	31.7	26.5	31.8	26.3	32.3	26.0	31.0	25.7
SEPT	32.9	25.5	33.0	26.4	32.2	26.1	35.0	24.2	35.0	24.0	36.6	22.2	31.5	25.6	32.9	26.1	32.1	25.7	33.4	26.1
OCT	33.0	23.6	33.0	23.7	31.5	24.7	34.5	18.4	34.5	21.0	34.5	19.6	32.4	24.3	32.9	24.3	32.7	23.2	32.0	23.2
NOV	29.8	20.1	29.8	19.0	29.9	18.5	32.5	13.0	30.6	13.0	33.2	15.5	30.3	19.3	29.6	19.0	29.0	19.1	30.2	18.6
DEC	33.4	18.6	26.6	15.7	26.3	12.6	29.3	10.2	29.8	8.5	28.2	10.5	27.3	14.1	27.2	13.0	27.1	13.5	27.0	15.0
JAN	25.8	11.4	26.4	12.1	24.4	10.0	30.5	7.7	29.2	8.2	28.5	8.0	25.6	11.9	26.3	12.1	24.5	11.2	26.1	12.6

FEB	29.9	14.6	29.5	15.4	28.9	14.4	31.6	13.1	33.7	13.0	30.2	10.6	29.7	16.2	31.6	18.8	28.3	15.2	30.5	14.4
MAR	33.2	19.5	36.8	12.6	33.5	18.9	35.0	13.5	37.4	18.5	36.5	16.2	31.6	18.2	33.9	21.2	33.4	19.5	34.5	22.2
A.Av. Max	30.0		32.2		31.2		34.0		34.1		34.2		31.0		31.2		31.3		31.7	
A.Av. Min		21.5		19.0		21.2		17.4		18.0		17.4		21.4		22.0		21.5		21.4
Ann. Aver	26.0		26.0		26.2		26.0		26.0		25.8		26.2		26.7		26.4		26.5	

Annexure 3.2 b: Temperature

Index	Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
11604	1996	18.6	21.9	27.9	28.9	30.4	28.8	29.2	28.2	29.5	27.3	23.8	19.3
11604	1997	17.7	21.1	26.8	26.4	29.2	29.4	28.8	29.0	28.1	27.4	25.0	19.1
11604	1998	17.1	21.8	24.6	28.4	30.0	30.5	29.2	28.8	28.9	28.6	25.5	20.6
11604	1999	18.5	22.7	27.5	30.3	29.2	29.0	28.4	28.6	28.1	27.7	24.3	20.5
11604	2000	18.8	20.9	26.2	28.9	29.3	29.1	28.8	29.3	28.6	28.1	24.8	19.6
11604	2001	17.8	22.2	26.2	29.2	29.1	28.2	28.6	29.7	29.1	27.9	25.0	19.3
11604	2002	19.1	21.9	26.6	28.5	29.7	28.9	29.7	28.5	28.6	27.6	24.1	20.2
11604	2003	16.6	22.6	25.1	29.8	30.6	29.3	29.1	29.3	28.8	27.9	24.0	19.7
11604	2004	18.0	21.7	26.9	28.9	30.6	29.1	28.9	28.7	28.5	27.0	23.3	20.5
11604	2005	18.6	23.3	27.0	29.8	30.1	30.5	28.7	29.2	29.0	27.1	23.2	20.0

Annexure 3.2 c: Temperature

Month	2005		2006		2007		2008		2009		2010	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
JANUARY	25.2	13.5	25.9	12.8	24.9	12.3	25.1	13.8	20.2	15.2	24.2	11.9
FEBRUARY	30.0	17.3	31.8	18.8	27.6	16.9	26.8	15.3	29.8	16.9	29.4	15.5
MARCH	32.6	22.1	33.3	21.1	30.2	19.9	32.3	22.4	33.2	21.1	34.7	23.4
APRIL	34.9	25.2	35.0	24.9	34.1	25.5	35.0	24.5	36.6	25.6	36.1	26.8
MAY	35.1	25.3	34.5	25.7	34.8	20.2	35.9	25.3	35.6	26.0	35.4	25.9
JUNE	34.9	27.3	33.6	26.9	33.6	26.2	32.7	26.2	34.8	26.9	34.0	26.6
JULY	31.5	26.3	32.4	26.4	30.9	26.7	31.5	26.3	32.3	26.5	33.1	27.0
AUGUST	32.4	26.9	32.2	26.0	32.2	27.1	32.4	26.6	32.6	26.3	33.3	27.8
SEPTEMBER	32.7	26.3	32.4	26.1	31.4	26.6	32.8	26.2	33.1	26.4	33.3	26.4
OCTOBER	30.8	24.6	32.4	24.9	30.0	24.4	31.8	23.8	32.4	23.6	32.5	25.0

NOVEMBER	29.0	18.9	29.6	20.1	29.1	20.5	29.6	19.6	30.4	20.4		
DECEMBER	26.8	15.1	26.9	15.0	25.7	14.4	26.1	16.4	26.2	14.2		
A. AVERAGE	31.3	22.4	31.7	22.4	30.4	21.7	31.0	22.2	31.4	22.4		
A. TOTAL AV.	26.9		27.0		26.1		26.6		26.9			

Annexure 3.3 a: Rainfall

MONTH	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
APRIL	134	53	54	53	38	02	67	105	18	64
MAY	113	270	185	251	100	192	211	115	182	117
JUNE	315	418	257	261	421	160	569	242	306	453
JULY	518	366	239	435	229	198	289	219	356	223
AUG	497	302	80	206	318	111	290	217	504	275
SEPT	189	68	246	204	342	111	203	168	272	70
OCT	41	95	330	156	159	90	124	64	86	242
NOV	48	140	0	77	00	00	15	05	162	8
DEC	07	00		04	47	00	00	00	0	0
JAN	02		1	00	10	13	07	01	8	1
FEB	03	50	8	62	54	203	52	15	112	17
MAR	55	18	2	21	36	00	127	08	34	1
ANUTTL	1922	1780	1402	1730	1754	1080	1954	1159	2040	1316

Annexure 3.3 b: Rainfall

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1996	1	17	1	64	117	453	223	275	70	242	8	0	1471
1997	59	22	99	80	181	218	456	321	364	44	2	19	1816
1998	10	91	213	105	161	175	343	258	300	157	132	0	1994
1999	0	0	0	14	172	185	420	371	374	160	14	0	1710
2000	4	16	18	100	145	217	410	294	336	216	0	0	1756
2001	0	64	21	51	244	355	272	188	207	196	31	0	1629
2002	15	0	14	74	254	846	360	483	357	22	169	0	2594
2003	0	0	155	63	125	251	287	255	145	315	0	22	1618
2004	0	0	7	85	180	383	253	266	621	183	0	0	1978
2005	15	0	148	43	215	102	435	194	410	420	0	0	1982
2006	0	0	5	19	246	262	522	371	603	105	4	0	2137
2007	0	54	14	92	119	392	591	160	397	198	113	0	2130
2008	67	36	48	36	151	187	301	203	379	187	0	0	1595
2009	1	6	10	23	137	233	347	570	357	111	20	0	1815
2010	0	2	14	21	146	287	181	205	157	332			

Annexure 3.4 a: Humidity

MONTH	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
APRIL	78	70	73	79	76	75	75	75	73	81
MAY	80	79	80	81	81	80	83	80	81	81
JUNE	83	83	86	86	88	82	86	88	87	80
JULY	90	85	86	89	87	88	87	88	89	88
AUG	87	88	85	85	87	86	88	88	88	87
SEPT	89	88	88	88	89	86	89	84	89	86
OCT	82	82	87	85	87	84	85	82	85	81
NOV	81	81	82	82	80	81	81	85	84	79
DEC	81	81	78	79	80	79	78	77	79	75
JAN	77	76	73	77	79	81	77	77	76	78
FEB	72	72	70	78	76	79	75	76	77	79
MAR	69	68	65	79	74	74	69	75	69	77
ANU.AVE	80.75	79.41	79.00	82.33	82.00	81.25	81.00	81.25	81.00	81.00

Annexure 3.4 b: Humidity

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1996	77	78	76	80	79	84	84	86	84	80	78	74	80
1997	74	70	72	75	77	82	87	85	88	79	75	80	78
1998	81	77	73	76	77	82	86	86	85	84	80	78	80
1999	76	72	67	72	82	84	88	87	88	86	78	78	79
2000	77	73	69	79	79	86	88	85	85	84	80	76	80
2001	73	73	71	75	79	89	87	84	86	87	82	80	80
2002	79	71	71	75	79	86	86	89	87	81	82	81	80
2003	81	75	75	76	76	85	86	85	87	86	78	82	81
2004	82	72	73	77	76	85	86	87	87	83	78	79	80
2005	79	75	82	80	81	81	86	85	85	87	80	77	81
2006													0
2007	79	78	71	75	76	83	88	85	91	90	87	88	82
2008	80	74	77	75	75	81	89	86	86	84	79	85	80.9
2009	81	74	71	70	72	81	87	85	86	80	79	79	78.8
2010	80	73	71	73	75								

Annexure 4.1: Important Plant Species List

LF	No	Family	Genus	Species	Common name
ST	1	Mimosaceae	Acacia	tomentosa	Salsaibabla
S	2	Acanthaceae	Acanthus	ilicifolius	Hargoza, Hurkuch, Kotki, Horkuch, kanta
H	3	Acrostichaceae	Acrostichum	aureum	Hodo or Tiger Fern
S	4	Plumbaginaceae	Aegialitis	rotundifolia	NuniaRuch, Dhakhaka
S	5	Myrsinaceae	Aegiceras	corniculatum	Khalisha/Khalshi/ Khulsha
H	6	Myrsinaceae	Aegiceras	majus	Khalshi
S	7	Sapindaceae	Allophyllus	cobbe	Chita, Rakhachita
T	8	Meliaceae	Amoora	cucullata	Amur
	9	Meliaceae	Amoora	rohituka	Piraj, Roynn, Titraj, Pitti, Bajor, Baittiraj, Tikaraj
	10	Meliaceae	Amoora	wallichii	Rata, Lali
G	11	Poaceae	Arundo	donax	
T	12	Verbenaceae	Avicennia	alba	Sadda baen, White baen
	13	Verbenaceae	Avicennia	marina	Sada baen, Dulia baen
T	14	Verbenaceae	Avicennia	officinalis	Baen, Bina, Kab baen
T	15	Lecythidaceae	Barringtonia	racemosa	Kumia
	16	Tiliaceae	Brownlowia	Lanceolata	Sundarilota
	17	Tiliaceae	Brownlowia	tersa	
T	18	Rhizophoraceae	Bruguiera	gymnorhiza	Kankra
	19	Rhizophoraceae	Bruguiera	parviflora	
T	20	Rhizophoraceae	Bruguiera	sexangula	
	21	Orchidaceae	Bulbophyllum	roxburghii	
S	22	Leguminosae	Caesalpinia	bonduc	
C	23	Leguminosae	Caesalpinia	crista	
Tree	24	Guttiferae	Calophyllum	inophyllum	Sultauchampa
S	25	Asclepiadaceae	Calotropis	gigantea	Bara akand
S	26	Rubiaceae	Cantium	angustifolium	Bishnein
T	27	Meliaceae	Carapa	mollucensis	Pasur
S	28	Acanthaceae	Cerbera	manghas	Dakur
	29	Acanthaceae	Cerbera	odollam	Dacor or Dabur
T	30	Rhizophoraceae	Ceriops	decandra	Coran
T	31	Rhizophoraceae	Ceriops	roxburghiana	Goran
	32	Rhizophoraceae	Ceriops	tagal	
C	33	Yitaceae	Cissus	quadrangularis	
S	34	Verbenaceae	Clerodendrum	inerme	Sitka, Sitki
H	35	Leguminosae	Crotalaria	retusa	Bhil, Jhaujhau
H	36	Fabaceae	Crotalaria	saltiana	
H	37	Araceae	Cryptocoryne	ciliata	
H	38	Convolvulaceae	Cuscuta	reflexa	
	39	Leguminosae	Cynometra	iripa	
H	40	Cyperaceae	Cyperus	corymbosus	
H	41	Cyperaceae	Cyperus	exaltatus	
H	42	Cyperaceae	Cyperus	javanicus	
H	43	Cyperaceae	Cyperus	malaccensis	
	44	Cyperaceae	Cyperus	mitis	
	45	Cyperaceae	Cyperus	procerus	
	46	Cyperaceae	Cyperus	scariosus	
H	47	Cyperaceae	Cyperus	tagetiformis	

	48	Leguminosae	Dalbergia	canadenatensis	
S	49	Leguminosae	Dalbergia	spinosa	Chandakamia, Chulia, kanta
H	50	Loranthaceae	Dendrophthoe	falcata	
C	51	Leguminosae	Derris	scandens	
T	52	Leguminosae	Derris	trifoliata	
C	53	Leguminosae	Entada	rheedii	
	54	Poaceae	Eriochloa	procera	Nalghas
T	55	Myrtaceae	Eugenia	fruticosa	Ban jam
C	56	Compositae	Eupatorium	odoratum	
T	57	Euphorbiaceae	Excoecaria	agallocha	Gewa
	58	Euphorbiaceae	Excoecaria	indica	Batla, Batul
C	59	Moraceae	Ficus	retusa	Jir
H	60	Cyperaceae	Fimbristylis	ferruginea	
H	61	Cyperaceae	Fimbristylis	polytrichoides	
S	62	Flagellariaceae	Flagellaria	indica	
T	63	Euphorbiaceae	Flueggea	virosa	Sitka, Sitki
H	64	Ophioglossaceae	Helminthostachys	zeylanica	
G	65	Poaceae	Hemarthria	compressa	
T	66	Sterculiaceae	Heritiera	fomes	Sundri
S	67	Malvaceae	Hibiscus	tiliaceus	Bhola
C	68	Asclepiadaceae	Hoya	parasitica	Pargacha
C	69	Convolvulaceae	Ipomoea	pes-caprae	
	70	Rhizophoraceae	Kandelia	candel	
S	71	Leeaceae	Leea	aequata	
S	72	Leeaceae	Leea	crispa	
T	73	Combretaceae	Lumnitzera	racemosa	Kirpa, Kripa
C	74	Compositae	Mikania	scandens	
	75	Leguminosae	Mucuna	gigantea	Doyal
G	76	Poaceae	Myriostachya	wightiana	Nalai, Dhansi
	77	Palmae	Nypa	fruticans	Golpatta
	78	Pandanaceae	Pandanus	fascicularis	Kewa Kanta
T	79	Pandanaceae	Pandanus	foetidus	Keyakanta, Kaikikanta
G	80	Poaceae	Paspalum	vajinatum	
P	81	Palmae	Phoenix	paludosa	Hintal, Hital, Hantal
G	82	Poaceae	Phragmites	karKa	
T	83	Leguminosae	Pongamia	pinnata	Karanj, Karanja
G	84	Poaceae	Porteresia	coarctata	
Fern	85	Pteridaceae	Pteris	longifoila	
T	86	Rhizophoraceae	Rhizophora	apiculata	
T	87	Rhizophoraceae	Rhizophora	mucronata	Garjan, Jhanna
G	88	Poaceae	Saccharum	spontaneum	
S	89	Celastraceae	Salacia	chinensis	Choyt barai
S	90	Celastraceae	Salacia	prionites	Modhuphol
H	91	Celastraceae	Salicornia	brachiata	
C	92	Asclepiadaceae	Sarcolobus	carinatus	
C	93	Asclepiadaceae	Sarcolobus	globosus	Baolilata
H	94	Cyperaceae	Schoenoplectus	littoralis	
H	95	Cyperaceae	Scirpoendron	ghaeri	
H	96	Cyperaceae	Scirpus	articulatus	
	97	Solanaceae	Solanum	trilobatum	
	98	Solanaceae	Solanum	xanthocarpum	
	99	Sonneratiaceae	Sonneratia	acida	Ora
T	100	Sonneratiaceae	Sonneratia	apetala	Keora
T	101	Sonneratiaceae	Sonneratia	caseolaris	Choyla, Soyla
	102	Tamariaceae	Tamarix	gallica	Nona Jhao
C	103	Vitaceae	Tetrastigma	bracteolatum	Goigotilata
H	104	Typhaceae	Typha	elephantina	Hogla
	105	Leguminosae	Vigna	luteola	
S	106	Viscaceae	Viscum	monoicurn	

	107	Vitaceae	Vitis	trifolia	
	108	Asclepiadaceae	Wattakaka	volubilis	
T	109	Meliaceae	Xylocarpus	granatum	Dhundul
T	110	Meliaceae	Xylocarpus	mekongensis	Passur
G	111	Poaceae	Zoysia	matrella	
	112	Rhizophoraceae	Ceriops	candellana	Matt Goran
	113	Ebenaceae	Dospyros	embryopteris	Gab
	114	Leguminosae	Entada	scandens	Gila
	115	Gramineae	Saccharum	cylindricum	Ullu

Annexure 4.2: List of Fauna

ANIMAL SPECIES LIST					
LF	No		Genus	Species	Common name
A	1	Muscicapidae	Abroscopus	albogularis	Rufous faced Warbler
A	1122	Muscicapidae	Abroscopus	hodgsonii	Broad billed Warbler
A	1120	Muscicapidae	Abroscopus	schisticeps	Black faced Warbler
A	2	Muscicapidae	Abroscopus	superciliaris	Yellow bellied Warbler
A	3	Accipitridae	Accipiter	badius	Shikra
A	4	Accipitridae	Accipiter	gentilis	Northern Goshawk
A	5	Accipitridae	Accipiter	nisus	Eurasian Sparrowhawk
A	6	Accipitridae	Accipiter	trivirgatus	Crested Goshawk
A	7	Accipitridae	Accipiter	virgatus	Besra
A	8	Bucerotidae	Aceros	nipalensis	Rufous-necked Hornbill
A	9	Sturnidae	Acridotheres	fuscus	Jungle Myna
A	10	Sturnidae	Acridotheres	ginginianus	Bank Myna
A	11	Sturnidae	Acridotheres	javanicus	Shortcrested Jungle Myna
A	12	Sturnidae	Acridotheres	tristis	Common Myna
A	13	Muscicapidae	Acrocephalus	agricola	Paddyfield Warbler
A	1105	Muscicapidae	Acrocephalus	arundinaceus	Eastern Great Reed Warbler
A	14	Muscicapidae	Acrocephalus	concenens	Bluntwinged Paddy field Warbler
A	15	Muscicapidae	Acrocephalus	dumetorum	Blyth's Reed Warbler
A	16	Muscicapidae	Acrocephalus	stentoreus	Indian Great Reed Warbler, Clamorous Reed Warbler
R	17	Acrochoridae	Acrochordus	granulatus	Wart Snake
A	18	Irenidae	Aegithinia	tiphia	Common lora
A	1036	Accipitridae	Aegyptius	monachus	Cinereous Vulture
A	19	Nectariniidae	Aethopyga	gouldiae	Mrs Gould's Sunbird
A	20	Nectariniidae	Aethopyga	ignicauda	Fire tailed Sun ird
A	21	Nectariniidae	Aethopyga	nipalensis	Green tailed Sunbird
A	22	Nectariniidae	Aethopyga	saturata	Black breasted (or throated) Sunbird
A	23	Nectariniidae	Aethopyga	siparaja	Yellow beaked Sunbird, Crimson Sunbird
R	1063	?	Ahaetulla	nasutus	Common green vine snake
A	24	Alaudidae	Alauda	gulgula	Oriental Skylark
A	25	Alcedinidae	Alcedo	atthis	Common Kingfisher
A	26	Alcedinidae	Alcedo	hercules	Blyth's Kingfisher
A	27	Alcedinidae	Alcedo	meninting	Blue-eared kingfisher
A	28	Muscicapidae	Alcippe	castaneiceps	Rufous-winged ulvetta
A	29	Muscicapidae	Alcippe	nipalensis	Nepal Fulvetta
A	30	Muscicapidae	Alcippe	peioicephala	Quaker Babbler
A	31	Muscicapidae	Alcippe	rufogularis	Rufous-throated Fulvetta
A	32	Muscicapidae	Aleippe	stanfordi	Nepal Quaker Babbler

A	33	Rallidae	Amaurornis	akool	Brown Crake
A	34	Rallidae	Amaurornis	bicolor	Black-tailed Crake
A	35	Rallidae	Amaurornis	fuscus	Ruddy Crake
A	36	Rallidae	Amaurornis	phoenicurus	White-breasted Waterhen
R	37	Colubridae	Amphiesma	chrysarga	
R	38	Colubridae	Amphiesma	khasiensis	
R	39	Colubridae	Amphiesma	parallela	
R	40	Colubridae	Amphiesma	platyceps	
R	41	Colubridae	Amphiesma	stolata	Buff-striped keelback
A	42	Anatidae	Anas	acuta	Northern Pintail
A	43	Anatidae	Anas	clypeata	Northern Shoveler
A	44	Anatidae	Anas	crecca	Common Teal
A	45	Anatidae	Anas	falcata	Falcated Duck
A	46	Anatidae	Arias	penelope	Eurasian Wiaeon
A	47	Anatidae	Anas	poecilorhyncha	Spot-billed Duck
A	48	Anatidae	Anas	querguedula	Garganey
A	49	Anatidae	Anas	strepera	Gadwall
A	50	Ciconiidae	Anastomus	oscitans	Asian Openbill
R	51	Viperidae	Ancistrodon	himalayanus	
A	52	Anhingidae	Anhinga	melanogaster	Oriental Darter
A	53	Anhintidae	Anhinga	rufa	
A	54	Sternidae	Anous	stolidus	Brown Noddy
A	55	Sternidae	Anous	tenuirostris	Lesser Noddy
A	56	Anatidae	Anser	anser	Greylag Goose
A	1029	Anatidae	Anser	erythropus	Lesser White-fronted Goose
A	57	Anatidae	Anser	indicus	Bar-headed Goose
A	58	Bucerotidae	Anthracoceros	malabaricus	Pied Hornbill
A	59	Nectariniidae	Anthreptes	singalensis	Ruby-cheeked Sunbird
A	60	Gruidae	Anthropoides	virgo	Demoiselle Crane
A	61	Motacillidae	Anthus	campestris	Demoiselle Crane
A	62	Motacillidae	Anthus	godlewskii	Tawny pipit
A	63	Motacillidae	Anthus	hodgsoni	Olive-backed Pipit
A	64	Motacillidae	Anthus	novaeseelandiae	Australasian Pipit
A	65	Motacillidae	Anthus	richardi	Richard's pipit
A	66	Motacillidae	Anthus	roseatus	Rosy Pipit
A	67	Motacillidae	Anthus	similis	Long-billed pipit
A	8003	Motacillidae	Anthus	spp?	
A	1125	Motacillidae	Anthus	trivialis?	
M	68	Mustelidae	Aonyx	cinerea	Small-clawed Otter
M	69	Sturnidae	Aplonis	panayensis	Asian Glossy Starling
A	70	Apodidae	Apus	affinis	Little Swift
A	71	Apodidae	Apus	melba	Swift, Alpine
A	72	Apodidae	Apus	pacificus	Fork-tailed Swift
A	73	Accipitridae	Aquila	clanga	Greater Spotted Eagle
A	74	Accipitridae	Aquila	heliaca	Imperial Eagle
A	75	Accipitridae	Aquila	nipalensis	Steppe Eagle
A	76	Accipitridae	Aquila	pomarina	Lesser Spotted Eagle
A	77	Accipitridae	.Aquila	rapax	Tawny Eagle
A	78	Nectariniidae	Arachnothera	longirostris	Little Spiderhunter
A	79	Nectariniidae	Arachnothera	magna	Streaked Spiderhunter
A	80	Phasianidae	Arborophila.	atrogularis	White-cheeked Partridge
A	81	Phasianidae	Arborophila	rufogularis	Rufous-throated Partridge

A	82	Viverridae	Arctogalidia	bintiirong	Binturong
M	83	Viverridae	Arctogalidia	trivirgata	Small toothed Civet
M	84	Mustelidae	Arctonyx	collaris	Hog Bardger
M	85	Ardeidae	Ardea	alba	
A	1084	Ardeidae	Ardea	cinerea	Grey Heron
A	86	Ardeidae	Ardea	goliath	Goliath Heron
A	87	Ardeidae	Ardea	insignis	White-bellied Heron
A	88	Ardeidae	Ardea	gurgurea	Purple Heron
A	89	Ardeidae	Ardeola	acchus	Chinese Pond-Heron
A	90	Ardeidae	Ardeola	gravi	Indian Pond-Heron
A	91	Ardeidae	Ardeola	stnatus	Little Green Heron
B	1053	Scolopacidae	Arenaria	interpres	Ruddy Turnstone
A	92	Artamidae	Artamus	fuscus	Ashy Woodswallow
A	93	Strigidae	Asio	flammeus	Short-eared Owl
A	94	Trionchidae	ASRIDertes	hurum	Turtle
B	1135	Strigidae	Atene	brama	Spotted Owlet
A	95	Hystricidae	Atherurus	macrourus	Brush-tailed Porcupine
M	96	Colubridae	Atretium	schistosum	Keelback, Olivaceous
R	97	Hydrophiidae	Atrotia	stokesi	
R	98	Accipitridae	Aviceda	jerdoni	Jerdon's Baza
A	99	Accipitridae	Aviceda	leucophotes	Black Baza
A	100	Cervidae	Axis	axis	Spotted Deer
M	101	Cervidae	Axis	porcinus	Indian Hog-deer
M	102	Anatidae	Aythya	baeri	Baer's Pochard
A	103	Anatidae	Aythya	fuligula	Duck, Tufted
A	104	Anatidae	Aythya	fuligula	Duck, Tufted
A	105	Anatidae	Aythya	nyroca	Ferruginous Pochard
A	1127	Timaliidae	Babax	lanceolatus?	
M	106	Balaenopteridae	Balaenoptera	acutorostrata	Mink Whale
M	107	Balaenopteridae	Balaenoptera	musculus	Great Blue Whale
M	108	Balaenopteridae	Balaenoptera		
M	109	Muridae	Bandicota	bengalensis	Lesser Bandicoot Rat
M	110	Muridae	Bandicota	indica	Large Bandicoot Rat
R	111	Emydidae	Batagur	baska	
A	112	Podaridae	Batrachostomus	hodgsoni	Hodgson's Frogmouth
M	113	Sciuridae	Belomys	pearsoni	Hairy-footed Flying Squirrel
A	114	Picidae	Blythipicus	pyrrhotis	Bay Woodpecker
R	115	Colubridae	Boiga	cyanea	
R	116	Colubridae	Boiga	cynodon	Cat snake, Sri Lanka
R	117	Colubridae	Boiga	gokool	
R	118	Colubridae	Boiga	multimaculata	Cat snake, Forsten's
R	119	Colubridae	Boiga	trigonata	Cat snake, Common Indian
M	120	Bovidae	Bos	banteng	Bantene
M	121	Bovidae	Bos	fraurus	Bison Gaur
M	122	Bovidae	Boselaphus	ragocamelus	Blue Bull
A	1090	Ciconiidae	Botaurus	stellaris	
A	123	Muscicapidae	Bradypterus	luteiventris	Brown Bush-Warbler
A	1103	Muscicapidae	Bradypterus	thoracius?	
A	124	Anatidae	Branta	ruficollis	Red-breasted Goose
M	125	Bovidae	Bubalus	bubalis	Indian Water-buffalow
A	126	Strigidae	Bubo	bubo	Eurasian Eagle-Owl
A	127	Strigidae	Bubo	coromandus	Dusky Eagle-Owl
A	128	Strigidae	Bubo	flavipes	Tawny Fish-Owl
A	129	Strigidae	Bubo	nipalensis	Spot-bellied Eagle-

					Owl
A	130	Strgiidae	Bubo	zeylonensis	Brown Fish-Owl
A	131	Ardeidae	Bubulcus	ibis	Cattle Egret
A	132	Bucerotidae	Buceros	bicornis	Great Hornbill
B	133	Bufo	Bufo	melanostictus	common toad
A	134	Procellariidae	Bulweria	fallax	Jouanin's Petrel
R	135	Elaphidae	Bungarus	caeruleus	krait, Common Indian
R	136	Elaphidae	Bungarus	fcandidus	
R	137	Elaphidae	Bungarus	asciatus	
R	138	Elaphidae	Bungarus	lividus	
A	139	Burhinidae	Burhinus	oedicephalus	Eurasian Thick-knee
A	140	Accipitridae	Butastur	teesa	White-eved Buzzard
A	141	Ardeidae	Butorides	striatus	Striated Heron
A	142	Cuculidae	Cacomantis	merulinus	Plaintive Cuckoo
A	143	Cuculidae	Cacomantis	passerinus	Grey-bellied Cuckoo
A	144	Cuculidae	Cacomantis	sonnerati	Banded Bay Cuckoo
A	145	Anatidae	Cairina	scutulata	White-winged Duck
R	146	Colubridae	Calamaria	pavimentata	
A	147	Alaudidae	Calandrella	acutirostris	Hume's Lark
A	148	Alaudidae	Calandrella	cinerea	Rufous Short-toed Lark
A	149	Scolopacidae	Calidris	alba	Sanderling
A	150	Scolopacidae	Calidris	alpina	Dunlin
A	151	Scolopacidae	Calidris	alpinus	Dunlin
A	152	Scolopacidae	Calidris	minuta	Little Stint
A	153	Scolopacidae	Calidris	subminuta	Long-toed Stint
A	154	Scolopacidae	Calidris	temminckii	Temminck's Stint
A	155	Scolopacidae	Calidris	tenuirestris	Knot, Great
A	156	Scolopacidae	Calidris	testaceus	Curlew Sandpiper
R	157	Elaphidae	Calliophis	melanurus	Slender cobra Snake
R	158	Elaphidae	Calliophis	nigrescens	
M	159	Sciuridae	Callosciurus	erythraeus	Pallas's Squirrel
M	160	Sciuridae	Callosciurus	flavimanus	Yellow handed Squirrel
M	161	Sciuridae	Callosciurus	pygerythrus	Irrawaddy Squirrel
R	162	Agamidae	Calotes	jerdonii	
R	163	Agamidae	Calotes	maria	
R	164	Agamidae	Calotes	versicolor	Monitor Lizard
M	165	Canidae	Canis	aureus	Jackal
M	166	Canidae	Canis	lupus	Wolf
A	167	Scolopacidae	Capella	gallinago	Fantail Snipe
A	168	Scolopacidae	Capella	minima	Jack Snipe
A	169	Scolopacidae	Capella	solitaria	Solitary Snipe
A	170	Scolopacidae	Capella	stenura	Pintail Snipe
M	171	Bovidae	Capricornis	sumatraensis	Serow
A	172	Caprimulgidae	Caprimulgus	affinis	Savanna Nightjar
A	173	Caprimulgidae	Caprimulgus	asiaticus	Indian Nightjar
A	174	Caprimulgidae	Caprimulgus	indicus	Grey Nightjar
A	175	Caprimulgidae	Caprimulgus	macrurus	Large-tailed Nightjar
A	176	Fringilidae	Caprodacus	erythrinus	Common Rosefinch
M	177	Leporidae	Caprolagus	hispidus	Hispid Hare
R	178	Cheloniidae	Caretta	caretta	
A	179	Cuculidae	Centropus	sinensis	Greater Coucal
A	1062	Cuculidae	Centropus	toulou	
R	180	Colubridae	Cerberus	rhynchops	Watersnake, Dog-faced
A	181	Turdidae	Cercotrichas	galactotes	Rufous-tailed Scrub-Robin
A	182	Certhidae	Certhidae	himalayana	Himalayan Tree Creeper

M	183	Cervidae	Cervus	duvauceli	Swamp Deer (Barasingha)
M	184	Cervidae	Cervus	unicolor	Sambhur
A	185	Alcedinidae	Ceryle	lugubris	Greater Pied Kingfisher
A	186	Alcedinidae	Ceryle	rudis	Pied Kingfisher
A	1074	Muscicapidae	Cettia	brunnifrons	Bush Warbler
A	1136	Muscicapidae	Cettia	flavolivaceous	Bush Warbler
A	187	Muscicapidae	Cettia	fortipes	Brownish flanked Bush Warbler
A	1078	Muscicapidae	Cettia	pallidipes	
A	188	Alcedinidae	Ceyx	erithacus	Black-backed Kingfisher
A	1048	Muscicapidae	Chaetornis	striaus	Bristled Grassbird
A	189	Apodidae	Chaetura	caudacuta	Spinetail
A	190	Apodidae	Chaetura	gigantea	Swift, Brown- throated
A	191	Apodidae	Chaetura	sylvatica	Spinetail Spinetail Swift
A	192	Cuculidae	Chalcites	maculatus	Emerald Cuckoo
A	193	Cuculidae	Chalcites	xanthorhynchus	Violet Cuckoo
A	194	Columbidae	Chalcophaps	indica	Emerald Dove
R	195	Chamaeleonidae	Chamaeleo	zeylanicus	Chamaeleon
A	196	Charadriidae	Charadrius	alexandrinus	Kentish Plover
A	197	Charadriidae	Charadrius	dubius	Little Ringed Plover
A	198	Charadriidae	Charadrius	hiaticula	Common Ringed Plover
A	199	Charadriidae	Charadrius	leschenoultii	Large Sand Plover
A	200	Charadriidae	Charadrius	mongolus	Mongolian Plover
R	201	Cheloniidae	Chelonia	mydas	
M	202	Muridae	Chiropodomys	gliroides	Pencil Tailed Tree Mouse
R	203	Trionychidae	Chitra	indica	
A	204	Laridae	Chlidonias	hybrida	Whiskered Tern
A	205	Laridae	Chlidonias	hybridus	Whiskered Tern
A	206	Laridae	Chlidonias	leucoptera	Tern
A	207	Laridae	Chlidonias	leucopterus	White-winged Tern
A	208	Irenidae	Chloropsis	aurifrons	Golden-fronted Leafbird
A	209	Irenidae	Chloropsis	cochinchinensis	Blue-winged Leafbird
A	1085	Irenidae	Chloropsis	harwickii	Leaf bird
A	210	Picidae	Chrysocolaptes	festivus	White-naped Woodpecker
A	211	Picidae	Chrysocolaptes	lucidus	Greater Flameback
A	212	Muscicapidae	Chrysomma	altirostre	Jerdon's Babbler
A	213	Muscicapidae	Chrysomrna	sinensis	Yelloweyed Babbler
R	214	Colubridae	Chrysopelea	ornata	Golden tree snake, Ornate flying snake
A	1045	Ciconiidae	Ciconia	bovciana	Oriental Stork
A	215	Ciconiidae	Ciconia	cicorua	White Stork
A	216	Ciconiidae	Ciconia	episcopus	Woolly-necked Stork
A	1046	Ciconiidae	Ciconia	nigra	Black tork
A	217	Muscicapidae	Cinclidium	leucurum	White-tailed Robin
A	218	Cinclidae	Cinclus	pallasti	Brown Dipper
A	219	Accipitridae	Circaetus	gallicus	Short-toed snake- Eagle
A	220	Accipitridae	Circus	aerugmosus	Western Marsh- Hamer
A	221	Accipitridae	Circus	cyaneus	Northern Harrier
A	222	Accipitridae	Circus	macrourus	Pallid Harrier

A	223	Accipitridae	Circus	melanoleucos	Pied Harrier
A	224	Accipitridae	Circus	pygargus	Montagu's Harrier
A	225	Corvidae	Cissa	chinensis	Green Magpie
A	226	Corvidae	Cissa	erythrorhyncha	Redbilled Blue Magpie
A	227	Muscicapidae	Cisticola	exillis	Yellowheaded Fantail Warbler
A	228	Muscicapidae	Cisticola	juncidis	Zitting Cisticola
A	229	Cuculidae	Clamator	coromandus	Chestnut-winged Cuckoo
A	230	Cuculidae	Clamator	jacobinus	Cuckoo, Pie Crested
A	1101	Turdidae	Cochoa	prurpurea?	
M	231	Rhinolophidae	Coelops	frithi	Tailless Leaf nosed Bat
A	232	Apodidae	Collocalia	brevirostris	Himalayan Swiftlet
A	233	Columbidae	Columba	hodgsonii	Speckled Wood-Pigeon
A	234	Colurnbidae	Columba	livia	Rock Pigeon
A	235	Columbidae	Columba	punicea	Pale-capped Pigeon
A	236	Muscicapidae	Copsychus	malabaricus	White-rumped hama
A	237	Muscicapidae	Copsychus	saularis	Oriental Magpie-Robin
A	238	Coraciidae	Coracias	benghalensis	Indian Roller
A	239	Campephagidae	Coracina	melanoptera	Black-headed Cuckooshrike
A	240	Campephagidae	Coracina	melaschistos	Black-winged Cuckooshrike
A	241	Campephagidae	Coracina	novaehollandiae	Black-faced Cuckooshrike
A	242	Corvidae	Corvus	macrorhynchos	Large-billed Crow
A	243	Corvidae	Corvus	splenderis	House Crow
A	244	Phasianidae	Coturnix	chinensis	Blue-breasted Quail
A	245	Phasianidae	Coturnix	coromandelica	Rain Quail
A	246	Phasianidae	Coturnix	coturnix	Common Quail
A	247	Pycnonotidae	Criniger	flaveolus	White-throated Bulbul
M	248	Soricidae	Crocidura	horsfieldi	Horsfield's Shrew
R	249	Crocodylidae	Crocodilus	palustris	Mugger
R	250	Crocodylidae	Crocodilus	porosus	Estuarine Crocodile
A	251	Cuculidae	Cuculus	canorus	Common Cuckoo
A	252	Cuculidae	Cuculus	fugax	Hodgson's Hawk-Cuckoo
A	253	Cuculidae	Cuculus	micropterus	Indian Cuckoo
A	254	Cuculidae	Cuculus	poliocephalus	Lesser Cuckoo
A	255	Cuculidae	Cuculus	vanus	Common Hawk-Cuckoo
A	256	Muscicapidae	Culicicapa	ceylonensis	Grey-headed
M	257	Canidae	Cuon	alpinus	Canaev-Flycat Red Dog, Wild Dog, Dhole
R	258	Emydidae	Cuora	amboioensis	
A	259	Glareolidae	Cursorius	coromandelicus	Indian Courser
R	260	Emydidae	Cyclemys	dentata	
M	261	Pteropodidae	Cynopterus	sphinx	Fruit-bat, Indian Short-nosfid
A	262	Apodidae	Cypsiurus	parvus	Palm Swift
A	263	Apodidae	Cyrtodactylus	hasiensis	
A	264	Procellariidae	Daption	capensis	Petrel, Cape, or Cape Pigeon
A	265	Hirundinidae	Delichon	nipalensis	Nepal House-Martin
M	266	Delphinidae	Delphinus	delphis	Common Dolphin
A	267	Corvidae	Denderocitta	formosae	Grey Tree-pie

R	268	Colubridae	Dendrelaphis	frictus	
R	269	Colubridae	Dendrelaphis	tristis	
A	270	Corvidae	Dendrocitta	vagabunda	Rufous Treepie
A	271	Anatidae	Dendrocygna	bicolor	Fulvous Whistling-Duck
A	272	Anatidae	Dendrocygna	javanica	Lesser Whistling-Duck
A	273	Motacillidae	Dendronanthus	indicus	Forest Wagtail
R	274	Dermochelidae	Dermochelys	coriacea	
A	275	Dicaeidae	Dicaeum	agile	Thick billed Flowerpecker
A	1109	Dicaeidae	Dicaeum	chrysorrheum	Yellow vented Flowerpecker
A	276	Dicaeidae	Dicaeum	concolor	Plain Flowerpecker
A	1083	Dicaeidae	Dicaeum	cruentulum	
A	277	Dicaeidae	Dicaeum	erythrorhynchus	Pale billed Flowerpecker
A	1075	Dicaeidae	Dicaeum	ignipectus	
A	1118	Dicaeidae	Dicaeum	melanozantheum	Yellow bellied Flowerpecker
A	278	Dicaeidae	Dicaeum	trigonostigma	Orange bellied Flowerpecker
A	279	Dicruridae	Dicrurus	adsimilis	Black Drongo
A	1050	Dicruridae	Dicrurus	aeneus	Bronzed Drongo
A	280	Dicruridae	Dicrurus	annectans	Crow-billed Drongo
A	281	Dicruridae	Dicrurus	hottentottus	Hair-crested Drongo
A	282	Dicruridae	Dicrurus	leucophaeus	Ashy Drongo
A	283	Dicruridae	Dicrurus	paradiseus	Drongo, Racket-tailed
A	284	Dicruridae	Dicrurus	remifer	Lesser racket-tailed Drongo
M	285	Perisodactyla	Didermoscerus	sumatrensis	Asiatic two Horned Rhinoceros
A	286	Picidae	Dinopium	bengalense	Woodpecker, Red-backed
A	287	Picidae	Dinopium	javanense	Common Flameback
A	288	Picidae	Dinopium	shorii	Himalayan Flameback
R	289	Agamidae	Draco	maculatus	
M	1054	Sciuridae	Dremomys	lokriah	Orange bellied squirrel
A	290	Dromadidae	Dromas	ardeola	Crab Plover
R	291	Colubridae	Dryophis	mycterizans	Whip snake, Brown speckled
R	292	Colubridae	Dryophis	nasutus	Whip snake, Green, Common Whip Snake
A	293	Columbidae	Ducula	aenea	Green Imperia - Pigeon
A	294	Columbidae	Ducula	badia	Mountain Imperia - Pigeon
M	295	Dugongidae	Dugong	dugon	Common Dugong
A	296	Muscicapidae	Dufnetia	hyperythra	Tawny-bellied Babbler
A	297	Ardeidae	Dupetor	flavicollis	Black Bittern
R	298	Viperidae	Echis	carinatus	Viper, Saw-scaled
A	299	Ardeidae	Egretta	alba	Egret, Eastern Large, or Great White Heron
A	300	Ardeidae	Egretta	garzetta	Little Egret
A	301	Ardeidae	Egretta	intermedia	Egret, Lesser, Median, Smaller

A	302	Accipitridae	Elanus	caeruleus	Black-winged Kite
R	303	Colubridae	Elaphe	contoris	
R	304	Colubridae	Elaphe	frenata	
R	305	Colubridae	Elaphe	helena	Trinket snake
R	306	Colubridae	Elaphe	porphyracea	
R	307	Colubridae	Elaphe	prasna	
R	308	Colubridae	Elaphe	radiata	
	309	Elephantidae	Elephas	maximus	Indian Elephant
	310	Fringilidae	Emberiza	aureola	Yellow-breasted Bunting
	311	Fringilidae	Emberiza	fucata	Chestnut-eared Bunting
	312	Fringilidae	Emberiza	pusilla	Little Bunting
	313	Fringilidae	Emberiza	spodocephala	Black-faced Bunting
	314	Hydrophidae	Enhydrina	schistosa	
	315	Colubridae	Enhydris	dussumieri	
	316	Colubridae	Enhydris	enhydris	
	317	Colubridae	Enhydris	sieboldi	
	318	Muscicapidae	Enicurus	immaculatus	Black-backed Forktail
	319	Muscicapidae	Enicurus	leschenaulti	White-crowned Forktail
	320	Muscicapidae	Enicurus	maculatus	Spotted Forktail
	321	Muscicapidae	Enicurus	schistaceus	Slaty-backed Forktail
	322	Muscicapidae	Enicurus	scouleri	Little Forktail
	323	Vespertilionidae	Eptesicus	pachnotis	Thickeared Bat
	324	Equidae	Equus	caballus	Domestic Horse
	325	Alaudidae	Eremopterix	grisea	Ashy-crowned Sparrow-Lark
	326	Cheloniidae	Erertmochelys	imbricata	Hawksbill Turtle
	327	Cheloniidae	Eretmochelys	imbricata	
	328	Muscicapidae	Erithacus	calliope	Ruby throat
	329	Muscicapidae	Erithacus	pectoralis	Himalayan Ruby throat
	330	Muscicapidae	Erithacus	svecicus	Bluethroat
	331	Boidae	Eryx	conicus	
	332	Burhinidae	Esacus	magnirostris	Plover, Great Stone
	333	Eschrichtiidae	Eschrichtius	gibbosus	Californian Gray Whale
	334	Ploceidae	Estrilda	amandava	Red Munia
	335	Eublepharidae	Eublepharis	lardwickii	Leopard Gecko
	336	Eublepharidae	Eublepharis	macularius	Leopard Gecko
	337	Cuculidae	Eudynamis	scolopacea	Asian Koel
	338	Otididae	Eupodotis	bengalensis	Bengal Florican
	1034	Otididae	Eupodotis	indica	Lesser Florican
	339	Caprimulgidae	Eurostopodus	macrotis	Great Eared-Nightjar
	340	Scolopacidae	Eurynorhynchus	pygmaeus	Spoonbill Sand piper
	341	Coraciidae	Eurysstomus	orientalis	Roller, Broad-billed
	342	Falconidae	Falco	biarmicus	Lagger Falcon
	343	Falconidae	Falco	chicquera	Red-necked Falcon
	1042	Falconidae	Falco	Jugger	Laggar Falcon
	344	Falconidae	Falco	naumanni	Lesser Kestrel
	345	Falconidae	Falco	peregrinus	Peregrine Falcon
	346	Falconidae	Falco	perigrinator	Shaheen Falcon
	347	Falconidae	Falco	severus	Oriental Hobby
	348	Falconidae	Falco	subbuteo	Eurasian Hobby
	349	Falconidae	Falco	tinnunculus	Common Kestrel
	350	Falconidae	Falco	vespertinus	Red-footed Falcon
	1052	Felidae	Felis	aureus	
	351	Felidae	Felis	bengalensis	Leopard Cat

	352	Felidae	Felis	chaus	Jungle-Cat
	353	Felidae	Felis	marmorata	Marble Cat
	354	Felidae	Felis	temmincki	Golden Cat
	355	Felidae	Felis	viverrina	Indian Fishing Cat
	356	Colubridae	Fordonia	leucobalia	
	357	Phasianidae	Francolinus	francolinus	Black Francolin
	358	Phasianidae	Francolinus	gularis	Swamp Francolin
	359	Phasianidae	Francolinus	pondicerianus	Grey rancolin
	360	Fregatidae	Fregata	andrewsi	Christmas Island Frigate
	361	Fregatidae	Fregata	ariel	Lesser Frigatebird
	362	Freaatidae	Fregata	minor	Great Friffatebird
	363	Hy robotidae	Fregetta	tropica	Black-bellied Storm-Petrel
	364	Rallidae	Fulica	atra	Common Coot
	365	Sciuridae	Funambulus	layardi	Flame striped Jungle-squirrel .
	366	Sciuridae	Funambulus	palmarum	Five striped Palm Squirrel
	367	Sciuridae	Funambulus	pennanti	Three striped Palm Squirrel
	368	Sciuridae	Funambulus	sublineatus	Dusky striped Jungle-squirrel
	369	Rallidae	Gallicrex	cinerea	Water cock
	370	Rallidae	Gallinula	chloropus	Common Moorhen
	371	Phasianidae	Gallus	gallus	Red Junglefowl
	372	Muscicapidae	Gampsorhynhus	rufutus	Whiteheaded Shrike Babbler
	373	Muscicapidae	Garrulax	cinereifrons	Ashy-headed Laughing Thrush
	374	Muscicapidae	Garrulax	delesserti	Wynaad Laughing Thrush
	1111	Muscicapidae	Garrulax	galbanus	
	1059	Muscicapidae	Garrulax	moniligerus	Necklaced Laughing Thrush
	375	Muscicapidae	Garrulax	montleger	Greater Necklaced Laughing Thrush
	376	Muscicapidae	Garrulax	pectorallis	Black Necklaced Laughing Thrush
	1082	Muscicapidae	Garrulax	phoeniceus	
	377	Muscicapidae	Garrulax	ruficollis	Rufous-necked Laughing Thrush
	378	Muscicapidae	Garrulax	rufogularis	Rufous-chinned Laughing Thrush
	379	Gavialidae	Gavialis	gangeticus	
	380	Picidae	Gecinulus	grantia	Pale-headed Woodpecker
	381	Gekkonidae	Gekko	gecko	Gekko
	382	Gekkonidae	Gekko	smithi	Mabuya
	383	Laridae	Gelochelidon	nilotica	Gull-billed Tern
	384	Testudinidae	Geochelone	elongata	
	385	Testudinidae	Geochelone	emys	
	386	Emydidae	Geoclemys	hamiltoni	
	387	Colubridae	Gerardia	prevostiana	Watersnake, Gerard's
	388	Glareolidae	Glareola	actea	Small Pratincole
	389	Glareolidae	Glareola	gratincola	Collared Pratincole
	390	Strigidae	Glaucidium	brodiei	Collared Owlet
	391	Strigidae	Glaucidium	cuculoides	Asian Barred Owlet
	1031	Strigidae	Glaucidium	radiatum	Jungle Owlet
	392	Delphinidae	Globicephala	macrorhvncha	Pilot Whale
	393	Muridae	Golunda	elliotti	Indian Bush-rat

	394	Agamidae	Gonyocephalus	subcristatus	
	395	Ardeidae	Gorsachius	melanolophus	Malayan Night-Heron
	396	Sturnidae	Gracula	religiosa	Hill Myna
	397	Muscicapidae	Graminicola	berigalensis	Rufous-rumped Grassbird
	398	Gruidae	Grus	ant-gone	Sarus Crane
	399	Gruidae	Grus	grus	Common Crane
	1035	Gruidae	Grus	virgo	Demoiselle Crane
	400	Laridae	Gygis	alba	Common White-Tern
	401	Gekkonidae	Gymnodactylus	khasiensis	
	402	Accipitridae	Gyps	bengalensis	White-rumped Vulture
	403	Accipitridae	Gyps	fulvus	Eurasian Griffon
	404	Accipitridae	Gyps	indicus	Long-billed Vulture
	405	Haematopodidae	Haematopus	ostralegus	Eurasian Oystercatcher
	406	Alcedinidae	Halcyon	chloris	Kingfisher
	407	Alcedinidae	Halcyon	coromanda	Ruddy Kingfisher
	408	Alcedinidae	Halcyon	pileata	Black-capped Kingfisher
	409	Alcedinidae	Halcyon	smyrnensis	White-throated Kingfisher
	410	Accipitridae	Haliacetus	leucogaster	Eagle, White-bellied Sea
	411	Accipitridae	Haliacetus	leucoryphus	Pallas's Fishing Eagle
	412	Accipitridae	Haliastur	indus	Brahminy Kite
	413	Emyidae	Hardella	thurgi	
	414	Trogonidae	Harpactes	erythrocephalus	Red-headed Trogon
	415	Ursidae	Helarctos	malayanus	Sun Bear
	416	Heliornithidae	Heliopais	personata	Masked Finfoot
	417	Picidae	Hemicircus	canente	Heart-spotted Woodpecker
	418	Gekkonidae	Hemidactylus	bowringi	
	419	Gekkonidae	Hemidactylus	brookii	
	420	Gekkonidae	Hemidactylus	flaviviridis	
	421	Gekkonidae	Hemidactylus	frenatus	
	422	Gekkonidae	Hemidactylus	maculatus	
	423	Hemiprocnidae	Hemiproctne	coronata	Crested Treeswift
	424	Carnephegidae	Hemipus	picatus	Bar-winged Flycatcher-shr
	425	Viverridae	Herpestes	auropunctatus	Small Mongoose(Beji)
	426	Viverridae	Herpestes	edwardsii	Common Grey Mongoose
	1023	Viverridae	Herpestes	javanicus	
	427	Viverridae	Herpestes	urva	Crab eating Mongoose
	428	Muscicapidae	Heterophasia	picaoides	Long-tailed Sibia
	429	Accipitridae	Hieraaetus	fasciatus	Bonelli's Eagle
	1039	Accipitridae	Hieraaetus	kienerii	Rufous-bellied Eagle
	1040	Accipitridae	Hieraaetus	pennatus	Booted Eagle
	430	Recurvirostridae	Himantopus	himantopus	Black-winged Stilt
	431	Sylviidae	Hippolais	caligata	Booted Warbler
	432	Hipposiderosidae	Hipposideros	bicolor	Bicoloured Leaf Bat
	433	Hipposiderosidae	Hipposideros	galeritus	Bat, Dekhan Leaf-nosed
	434	Hipposiderosidae	Hipposideros	lankadiva	Bat, Great Leaf-nosed
	435	Hipposiderosidae	Hipposideros	arvatus	Leafnosed Bat

	436	Hipposiderosidae	Hipposideros	speoris	Bat, Schneider's Leaf-nosed
	437	Hirundinidae	Hirundo	daurica	Red-rumped Swallow
	438	Hirundinidae	Hirundo	rustica	Barn Swallow
	439	Hirundinidae	Hirundo	smithii	Wire-tailed Swallow
	440	Hirundinidae	Hirundo	striolata	Striated Swallow
	441	Hirundinidae	Hirundo	tahitica	Pacific Swallow
	442	Jacaniidae	Hydrophasianus	chirurgus	Pheasant-tailed Jacana
	443	Hydrophidae	Hydrophis	caerulescens	
	444	Hydrophidae	Hydrophis	cantoris	
	445	Hydrophidae	Hydrophis	cyanocinctus	
	446	Hydrophidae	Hydrophis	fasciatus	
	447	Hydrophidae	Hydrophis	gracilis	
	448	Hydrophidae	Hydrophis	lapemoides	
	449	Hydrophidae	Hydrophis	mamillaris	
	450	Hydrophidae	Hydrophis	nigrocinctus	
	451	Hydrophidae	Hydrophis	obscurus	
	452	Hydrophidae	Hydrophis	ornatus	
	453	Hydrophidae	Hydrophis	siricticollis	
	454	Hydrophidae	Hydrophis	spiralis	
	455	Laridae	Hydroprogne	caspia	Caspian Tern
	456	Pongidae	Hylobates	hoolock	Hoolock Gibbon
	457	Sciuridae	Hylopetes	spadlceus	Burmese pygmy Flying Squirrel
	458	Ziphiidae	Hyperodon	planifrons	Bottle-nosed Whale
	459	Picidae	Hypopicus	hyperythrus	Woodpecker
	460	Monarchidae	Hypothymis	azurea	Black-naped Monarch
	461	Pycnonotidae	Hypsipetes	flavalus	Brown-eared Bulbul
	462	Pycnonotidae	Hypsipetes	mcclellandi	Rufousbellied Bulbul
	463	Pycnonotidae	Hypsiloetes	viridescens	Olive Bulbul
	464	Pycnonotidae	Hysipetes	madagascariensis	Bulbul, Black
	465	Hystricidae	Hystrix	hodgsoni	Crestless Porcupine
	466	Hystricidae	Hystrix	indica	Crested Porcupine
	467	Ciconiidae	Ibis	leucocephalus	Painted Stork
	1041	Accipitridae	Ichthyophaga	humilis	Lesser Fish-Earle
	468	Accipitridae	Ichthyophaga	ichthyaetus	Grey-headed Fish-Eagle
	469	Accipitridae	Ichthyophaga	nona	Himalayan Grey headed Fishing Eagle
	470	Caeciliidae	Ichthyophis	glutinosus	newt
	471	Accipitridae	Ictinaetus	malayensis	Black Eagle
	472	Irenidae	Irena	puella	Asian Fairy-bluebird
	473	Ardeidae	Ixobrychus	cinnarnorneus	Cinnamon Bittern
	474	Ardeidae	Ixobrychus	sinensis	Yellow Bittern
	475	Agamidae	Japalura	plan idorsata	
	476	Agamidae	Japalura	vanegata	
	477	Picidae	Jynx	torquilla	Eurasian Wryneck
	478	Emydidae	Kachuga	Kachuga	
	479	Emydidae	Kachuga	dhongoka	
	480	Emydidae	Kachuga	lineata	
	481	Emydidae	Kachuga	smithi	
	482	Emydidae	Kachuga	syhetensis	
	483	Emydidae	Kachuga	tentoris	
	484	Emydidae	Kachugat	tectum	
	485	Microhylidae	Kaloula	pulchra	
	1056	Megadermatidae	Kerivioula	papillosa	Painted Bat

	1032	Strigidae	Ketupa	flavipes	Tawny Fish-Owl
	486	Physeteridae	Kogia	breviceps	Pigmy Sperm Whale
	487	Laniidae	Lanius	collurioides	Burmese Shrike
	488	Laniidae	Lanius	cristatus	Brown Shrike
	489	Laniidae	Lanius	excubitor	Northern Shrike
	490	Laniidae	Lanius	schach	Long-tailed Shrike
	1070	Laniidae	Lanius	schach(tricolor?)	
	491	Laniidae	Lanius	tephronotus	Grey-backed Shrike
	492	Laniidae	Lanius	Vittatus	Bay-backed Shrike
	493	Hydrophidae	Lapemis	curtus	
	494	Laridae	Larus	argentatus	Herring Gull
	495	Laridae	Larus	brunnicephalus	Brown-headed Gull
	496	Laridae	Larus	ichthyaetus	Gull, Great Black-headed
	497	Laridae	Larus	ridibundus	Common Black-headed Gull
	498	Muscicapidae	Leiothrix	argentea	Silver-eared Mesia
	499	Cheloniidae	Lepidochelys	olivacea	
	500	Cheloniidae	Lepidochelys	oliveacea	Olive-backed Logger-head
	501	Ciconiidae	Leptoptiles	dubius	Greater Adjutant
	502	Ciconiidae	Leptoptilos	javanicus	Lesser Adjutant
	503	Leporidae	Lepus	nigricollis	Black-naped Hare
	504	Leporidae	Lepus	peguensis	Burmese Hare
	505	Scolopacidae	Limicola	falcinellus	Broad-billed Sandpiper
	506	Scolopacidae	Limnodromus	semipalmatus	Asian Dowitcher
	507	Scolopacidae	Limosa	limosa	Black-tailed Godwit
	508	Colubridae	Liopeltis	frenatus	
	509	Trionychidae	Lissemys	punctata	Soft-shelled Terrapin
	1134	Trionychidae	Lissemys	punctata	Soft shelled turtle
	510	Muscicapidae	Locustella	certhiola	Pallas's Grasshopper-Warb
	511	Muscicapidae	Locustella	lanceolata	Lanceolated Warbler
	512	Muscicapidae	Locustella	naevia	Common Grasshopper-Warble
	513	Ploceidae	Lonchura	kelaarti	Black-throated Munia
	514	Ploceidae	Lonchura	malabarica	White-throated Munia
	515	Ploceidae	Lonchura	malacca	Black-headed Munia
	516	Ploceidae	Lonchura	punctulata	Scaly-breasted Munia
	517	Ploceidae	Lorichura	striata	White-rumped Munia
	518	Accipitridae	Lophotriochis	kieneri	Rufous-bellied Hawk-Eagle
	519	Phasianidae	Lophura	leucomelana	Blackbreasted Kaleej Pheasant
	520	Psittacidae	Loriculus	vernalis	Vernal Harging-Parrot
	521	Turdidae	Luscinia	brunnea	Indian Blue Robin
	522	Turdidae	Luscinia	svecica	Bluethroat
	523	Mustelidae	Lutra	lutra	Otter
	524	Mustelidae	Lutra	perspici llata	Smooth Coated Otter
	525	Colubridae	Lycodon	aulicus	Wolf Snake; House Snake,
	526	Colubridae	Lycodon	fasciatus	Common Wolf snake, Striped
	527	Colubridae	Lycodon	jara	
	528	Scincidae	Lygosoma	indicurn	
	529	Scincidae	Lygosoma	maculatum	

	530	Scincidae	Mabuya	carinata	Mabuya
	531	Scincidae	Mabuya	dissimilis	
	532	Scincidae	Mabuya	macularia	
	1057	Cercopithecidae	Macaca	arctoides	Stumptailed Macaque
	533	Cercopithecidae	Macaca	assamensis	Assamese Macaque
	534	Cercopithecidae	Macaca	irusfacicularis	Crab eating/Longtailed Macaque
	535	Cercopithecidae	Macaca	mulatta	Rhesus Macaque (Banor)
	536	Cercopithecidae	Macaca	nemestrina	Pig tailed Macaque
	537	Muscicapidae	Macronous	gularis	Striped Tit-Babbler
	538	Colurnbidae	Macroopygia	unchall	Bar-tailed Cuckoo- Dove
	539	Colubridae	Macropist odon	plumbicolor	
	540	Manidae	Manis	crassicaudata	Indian Pangolin or Anteater
	541	Manidae	Manis	javanica	Malayan Pangolin
	1024	Manidae	Manis	pentadactvla	
	1030	Anatidae	Marraronetta	angusti rostns	Marbled Teal
	542	Megadermatidae	Megaderma	lyra	Bat, Indian False Vampire
	543	Capitonidae	Megalaima	asratica	Blue throated Barbet
	1092	Capitonidae	Megalaima	australis	Blue eared Barbet
	544	Capitonidae	Megalaima	franklinii	Golden throated Barbet
	545	Capitonidae	Megalaima	haemacephala	Coppersmith Barbet
	546	Capitonidae	Megalaima	lineata	Lineated Barber
	547	Capitonidae	Megalaima	virens	Great Barbet
	1132	Capitonidae	Megalaima	zeylonica	
	548	Muscicapidae	Megalurus	palusris	Bristed Marsh Warbler
	549	Emydidae	Melanochelys	tricarinata	
	550	Emydidae	Melanochelys	trijuga	Common Terrapin
	551	Partidae	Melanochlora	sultanea	Sultan Tit
	552	Fringilidae	Melophus	lathamii	Crested Bunting
	553	Ursidae	Melursus	ursinus	Sloth Bear
	554	Anatidae	Mergus	serrator	Red-breasted Merganser
	555	Meropidae	Merops	leschenaulti	Chestnut-headed Bee-eater
	556	Meropidae	Merops	orientalis	Little Green Bee- eater
	557	Meropidae	Merops	philippinus	Blue-tailed Bee-e atrs
	558	Ziphiidae	Mesoplodont	ginkgodens	Ginkgo-toothed Beaked Whale
	559	Jacanidae	Metopidius	indicus	Bronze-winged Jacana
	560	Falconidae	Microhierax	melanoleucus	Pied Falconet
	561	Microhylidae	Microhyla	ornata	
	562	Microhylidae	Microhyla	rubra	
	563	Picidae	Micropternus	brachyurus	Rufous Woodpecker
	564	Muridae	Milardia	meltada	Indian Soft-furred Rat
	565	Accipitridae	Milvus	migrans	Black Kite
	566	Muscicapidae	Minla	cyanouoptera	Blue-winged Minla
	567	Alaudidae	Mirafra	assamica	Rufous-winged Lark
	568	Muscicapidae	Monarcha	azurea	Blacknape Monarch Flycatcher
	569	Muscicapidae	Monarcha	rufivetris	Chestnutbellied

					Rock Thrush
	570	Muscicapidae	Monticola	solitarius	Blue Rock-Thrush
	571	Emydidae	Morenia	ocellata	
	572	Emydidae	Morenia	petersii	
	573	Motacillidae	Motacilla	alba	White Wagtail
	574	Motacillidae	Motacilla	cinerea	Grey Wagtail
	575	Motacillidae	Motacilla	citreola	Citrine Wagtail
	576	Motacillidae	Motacilla	flava	Yellow Wagtail
	577	Motacillidae	Motacilla	indica	Forest Wagtail
	1098	Motacillidae	Motacilla	maderaspatensis	Large pied Wagtail
	578	Picidae	Mulleripicus	pulverulentus	Great Slaty Woodpecker
	579	Cervidae	Muntiacus	muntjak	Southern Indian Muntjak, Barkin Deer
	580	Muridae	Mus	booduga	Little Field Mouse
	581	Muridae	Mus	cervicolor	Fawne Coloured Mouse
	582	Muridae	Mus	musculus	Indian House-mouse
	583	Muscicapidae	Muscicapa	banyumas	Largebilled Blue Flycatcher
	1124	Muscicapidae	Muscicapa	grandis	
	584	Muscicapidae	Muscicapa	hodgsonii	Rustybreaasted Blue
	1123	Muscicapidae	Muscicapa	latirostris	Brown Flycatcher
	1130	Muscicapidae	Muscicapa	macgrigoriae	
	585	Muscicapidae	Muscicapa	manileger	Whitegorgeted Flycatcher
	586	Muscicapidae	Muscicapa	parva	Redb reasted Flycatcher
	587	Muscicapidae	Muscicapa	poliogenys	Brook's Flycatcher
	588	Muscicapidae	Muscicapa	rubeculoides	Blue throated Flycatcher
	1113	Muscicapidae	Muscicapa	sibirica	
	1112	Muscicapidae	Muscicapa	striata?	
	589	Muscicapidae	Muscicapa	strophiaata	Orange georgeted Flycatcher
	1117	Muscicapidae	Muscicapa	sundara?	
	590	Muscicapidae	Muscicapa	superciliaris	Whitebrowed Blue Flycatcher
	591	Muscicapidae	Muscicapa	thatassina	Verditer Flycatcher
	592	Muscicapidae	Muscicapa	tickelliae	Tickell's Blue Flycatcher
	593	Muscicapidae	Muscicapa	unicolor	Paleblue Flycatcher
	594	Muscicapidae	Muscicapa	westermanni	Little Pied Flycatcher
	1128	Timaliidae	Myzornisx	pyrnchura?	
	1016	?	Naemorhedus	surnatraensrs	
	595	Elaphidae	Naja	kaouthia	
	596	Elaphidae	Naja	naja	Common Cobra
	1106	Nectaraniidae	Nectarina	jugularis	
	1099	Nectaraniidae	Nectarina	loteniai	
	597	Nectariniidae	Nectarinia	asiatica	Purple Sunbird
	598	Nectariniidae	Nectarinia	sperata	Purple-throated Sunbird
	599	Nectariniidae	Nectarinia	zeylonica	Purple-rumped Sunbird
	600	Felidae	Neofelis	nebulosa	Clouded Leopard (Chita Bagh)
	601	Phocoenidae	Neophocaena	phocaenoides	Little Indian Porpoise or Finless Porpoise
	602	Accipitridae	Neophron	peronopterus	Vulture, Egyptian

	603	Muridae	Nesokia	indica	Short taile Mole Rat
	604	Anatidae	Netta	rufina	Red-crested Pochard
	605	Anatidae	Nettapus	coromandelianus	Cotton Pygmy-goose
	606	Strigidae	Ninox	scutulata	Brown Hawk-Owl
	607	Scolopacidae	Numenius	aquata	Curlew, Common
	608	Scolopacidae	Numenius	phaeopus	Whimbrel
	609	Lorisidae	Nycticebus	coucang	Slow Loris
	610	Ardeidae	Nycticorax	nycncorax	Black-crowned
	611	Meropidae	Nyctornis	athertoni	Night-Heron Bee-eater
	612	Hydrobatidae	Oceanites	oceanicus	Wilson's Storm-Petrel
	613	Ochotonidae	Ochotona	pusilla	Steppe Pika (Mouse Hare)
	614	Turdidae	Oenanthe	deserti	Desert Wheatear
	615	Turdidae	Oenanthe	isabellina	Isabelline Wheatear
	616	Turdidae	Oenanthe	pleschanka	Pied Wheatear
	617	Colubridae	Oligodon	albocinctus	
	618	Colubridae	Oligodon	arnensis	Kukri snake, Common
	619	Colubridae	Oligodon	cinereus	
	620	Colubridae	Oligodon	cyclurus	Kukri snake, Variegated
	621	Colubridae	Oligodon	dorsalis	
	622	Elapidae	Ophiophagus	hannah	
	623	Anguidae	Ophisaurus	gracilis	
	624	Delphinidae	Orcaella	reivostriis	Dolphin
	625	Agamidae	Oriocalotes	paulus	
	626	Oriolidae	Oriolus	chinensis	Black-naped Oriole
	627	Oriolidae	Oriolus	oriolus	Eurasian Golden-Oriole
	628	Oriolidae	Oriolus	xanthornus	Black-hooded Oriole
	629	Muscicapidae	Orthotomus	atrogularis	Dark-necked Tailorbird
	630	Muscicapidae	Orthotomus	cucullatus	Goldenheaded Tailor Bird
	631	Muscicapidae	Orthotomus	satorius	Tailor Bird
	632	Muscicapidae	Orthotomus	sutorius	Common Tailorbird
	633	Strigidae	Otus	bakkamoena	Collared Scops-Owl
	1033	Strigidae	Otus	brucei	Pallid scops- Owl
	634	Strigidae	Otus	scops	Common scops-Owl
	635	Strigidae	Otus	spilocephalus	Mountain scops-Owl
	636	Strigidae	Otus	sunia	Owl, Little scops
	637	Microhylidae	Oxyglossus	lima	
	638	Muscicapidae	Pachycephala	cinerea	Mangrove Whistler
	639	Muscicapidae	Pachycephala	grisola	Mangrove Whistler
	640	Estrildidae	Padda	oryzrvora	Java parrow
	641	Viverridae	Paguma	larvata	imalayan Palm Civet
	642	Pandionidae	Pandion	haliaetus	Osprey
	643	Felidae	Panthera	pardus	Indian Leopard
	644	Felidae	Panthera	tigris	Royal Bengal Tiger(Dora Bagh)
	645	Muscicapidae	Paradoxornis	atrosuperciliaris	Black-browed Parrotbill
	646	Muscicapidae	Paradoxornis	flavirostris	Black-breasted Parrotbill
	647	Muscicapidae	Paradoxornis	gularis	Grey-heade Parrotbill
	648	Muscicapidae	Paradoxornis	ruficeps	Rufous-headed Parrotbill
	649	Viverridae	Paradoxurus	hermaphroditus	Common Indian

					Palm-cat
	650	Colubridae	Pareas	carinatus	
	651	Colubridae	Pareas	mocularius	
	652	Colubridae	Pareas	monticola	
	653	Paridae	Parus	major	Great Tit
	1110	Muscicapidae	Parva	flavolivaceus	
	654	Ploceidae	Passer	domesticus	House Sparrow
	655	Ploceidae	Passer	montanus	Eurasian Tree Sparrow
	656	Ploceidae	Passer	rutilans	Russet Sparrow
	657	Phasianidae	Pavo	cristatus	Indian Peafowl
	658	Phasianidae	Pavo	muticus	Green Peafowl
	659	Pelecanidae	Pelacanus	philippensis	Pelican, Spot-billed, Grey
	660	Hydrophidae	Pelamis	platurus	
	661	Alcedinidae	Pelargopsis	amaurqptera	Kingfisher
	662	Alcedinidae	Pelargopsis	capensis	Stor -billed Kingfisher
	1043	Pelecanidae	Pelecanus	crispus	Dalmatian Pelican
	663	Pelecanidae	Pelecanus	onocrotalus	Great White Pelican
	1044	Pelecanidae	Pelecanus	philippensis	Spot-billed Pelican
	664	Trionychidae	Pelechelys	ibroni	
	665	Muscicapidae	Pellorneum	albiventre	Spot-throated Babbler
	666	Muscicapidae	Pellorneum	palustre	Marsh Babbler
	667	Muscicapidae	Pellorneum	ruficeps	Puff-throated Babbler
	668	Trionychiidae	Pelochelys	cantoris	
	669	Delphiinidae	Peponocephala	electra	Broad beaked Dolphin
	1028	Phasianidae	Perdica	manipurensis	Manipur Bush-Quail
	1116	Campephagidae	Pericrocotus	brevirostris	
	670	Campephagidae	Pericrocotus	cinnamomeus	Small Minivet
	1089	Campephagidae	Pericrocotus	divaricatus	
	671	Campephagidae	Pericrocotus	ethologus	Long-tailed Minivet
	672	Campephagidae	Pericrocotus	flammeus	Scarlet Minivet
	673	Campephagidae	Pericrocotus	solaris	Grey-chinned Minivet
	674	Accipitridae	Pernis	ptilorhyncus	Oriental Honey-buzzard
	675	Sciuridae	Petaurista	alborufus	Red & White Flying Squirrel
	676	Sciuridae	Petaurista	magnificus	Hodgson Squirrel
	677	Sciuridae	Petaurista	petaurista	Common Giant Flying Squirrel
	678	Sciuridae	Petinomys	fuscocapillus	Small Flying Squirrel
	679	Passeridae	Petronia	xanthocollis	Chestnut-shouldered Petro
	680	Phaethontidae	Phaethon	rubricauda	Red-tailed Tropicbird
	681	Muscicapidae	Phagamaticola	aedon	Thickbilled warbler
	682	Phalacrocoracidae	Phalacrocorax	carbo	Great Cormorant
	683	Phalacrocoracidae	Phalacrocorax	fuscicollis	Indian Cormorant
	684	Phalacrocoracidae	Phalacrocorax	niger	Little Cormorant
	685	Scolopacidae	Philomachus	pugnax	Ruff
	686	Tytonidae	Phodilus	badius	Oriental Bay-Owl
	687	Phoenicopteridae	Phonenicopterus	ruber	Greater Flamingo
	688	Muscicapidae	Phoenicurus	auroreus	Daurian Redstart
	1091	Muscicapidae	Phoenicurus	frontalis	
	689	Muscicapidae	Phoenicurus	ochruros	Black redstart

	690	Phalaropinae	Phalaropus	lobatus	Rednecked Phalarope
	1115	Muscicapidae	Phylloscopus	affinis	
	691	Muscicapidae	Phylloscopus	cantator	Yellow-vented Warbler
	692	Muscicapidae	Phylloscopus	Collybita	Common Chiffchaff
	693	Muscicapidae	Phylloscopus	fuscatus	Dusky Warbler
	694	Muscicapidae	Phylloscopus	inornatus	Inornate Warbler
	695	Muscicapidae	Phylloscopus	magnirostris	Large-billed Leaf Warbler
	696	Muscicapidae	Phylloscopus	nitidus	Warbler, Green Tree
	697	Muscicapidae	Phylloscopus	occipitalis	Western Crowned-Warbler
	698	Muscicapidae	Phylloscopus	proregulus	Lemon-rumped Warbler
	699	Muscicapidae	Phylloscopus	reguloides	Blyth's Leaf-Warbler
	700	Muscicapidae	Phylloscopus	trochiloides	Greenish Warbler
	701	Physeteridae	Physeter	catodon	Sperm Whale, Cachalot
	702	Picidae	Picaoidaes	atratus	Strip breasted Pied Woodpecker
	703	Picidae	Picaoidaes	mahrattensis	Yellow fronted Pied Woodpecker
	704	Picidae	Picaoides	nanus	Woodpecker, Brown-capped Pigmy
	705	Picidae	Picaoides	canicapillus	Grey-crowned Pigmy Woodpecker
	706	Picidae	Picaoides	macei	Fulvous breasted Pied Woodpecker
	707	Picidae	Picaoides	maharattensis	Woodpecker, yellow fronted Pied
	708	Picidae	Picumnus	innominatus	Speckled Piculet
	709	Picidae	Picus	canus	Grey faced Woodpecker
	710	Picidae	Picus	chlorolophus	Lesser Yellownape
	711	Picidae	Picus	flavinucha	Greater Yellownape
	712	Picidae	Picus	myrmecophoneus	Woodpecker, Small scaly-bellied, Scaly-bellied Green
	713	Vespertilionidae	Pipistrellus	coromandra	Pipistrel, Indian
	714	Vespertilionidae	Pipistrellus	mimus	Pipistrel, Indian Pigmy
	715	Pittidae	Pitta	brachyura	Indian Pitta
	716	Pittidae	Pitta	cyanea	Blue Pitta
	717	Pittidae	Pitta	moluccensis	Blue-winged Pitta
	718	Pittidae	Pitta	nipalensis	Blue-naped Pitta
	719	Pittidae	Pitta	sordida	Hooded Pitta
	720	Threskiornithidae	Platalea	leucorodia	Eurasian Spoonbill
	1025	Odontocidae	Platanista	gangetica	Gangetic Dolphin (Susak)
	721	Uropeltidae	Platylectrurus	madurensis	
	722	Threskiornithidae	Plegadis	falcinellus	Glossy Ibis
	723	Ploceidae	Ploceus	benghalensis	Black-breasted Weaver
	1095	Ploceidae	Ploceus	hodgsoni	
	724	Ploceidae	Ploceus	manyar	Streaked Weaver
	1049	Ploceidae	Ploceus	megarhynchus	Yellow Weaver
	725	Ploceidae	Ploceus	philippinus	Baya Weaver
	726	Charadriidae	Pluvialis	dominica	American Golden-Plover

	1088	Charadriidae	Pluvialis	squatarola	
	727	Muscicapidae	Pnoepyga	pusilla	Pygmy Wren-Babbler
	728	Podicipedidae	Podiceps	cristatus	Great Crested Grebe
	729	Podicipedidae	Podiceps	ruficollis	
	730	Phasianidae	Polylectron	bicalcaratum	Burmese Peacock
	1055	Microhylidae	Polypedates	lencomytax	Tree Frog
	731	Phasianidae	Polyplectron	bicalcaratum	Grey Peacock-Pheasant
	732	Muscicapidae	Pomatorhinus	erythrognys	Rusty-cheeked Scimitar-Bab
	733	Muscicapidae	Pomatorhinus	horsfieldii	Indian Scimitar-Babbler
	734	Muscicapidae	Pomatorhinus	hypoleucos	Large Scimitar-Babbler
	735	Muscicapidae	Pomatorhinus	ruficollis	Streak-breasted Scimitar-
	736	Muscicapidae	Pomatorhinus	schisticeps	White-browed Scimitar-Bab
	737	Rallidae	Porphyrio	porphyrio	Purple Swampphen
	738	Rallidae	Porzana	fusca	Ruddy-breasted Crake
	739	Rallidae	Porzana	pusilla	Baillion's Crake
	740	Cercopithecidae	Presbytis	entellus	Langur (Honuman)
	741	Cercopithecidae	Presbytis	phavrei	Phayre's Leaf Monkey
	742	Cercopithecidae	Presbytis	pteleatus	Capped Monkey (Hamuman)
	743	Muscicapidae	Prinia	atrogularis	Hill Prinia
	744	Muscicapidae	Prinia	burnesii	Lon tailed grass Warbler, Rufous-vented Prinia
	745	Muscicapidae	Prinia	criniger	Striated Prinia
	746	Muscicapidae	Prinia	flaviventris	Yellow bellied longtailed Warbler, Yellow bellied Prinia
	747	Muscicapidae	Prinia	gracilis	Graceful Prinia
	748	Muscicapidae	Prinia	hodgsonii	Franklins long tailed Warbler, Grey-breasted Prinia
	749	Muscicapidae	Prinia	inornata	Plain Prinia
	750	Muscicapidae	Prinia	rufescens	Beavan's long tailed Warbler, Rufescent Prinia
	751	Muscicapidae	Prinia	socialis	Ashy long tailed Warbler, Ashy Pririia
	1119	Muscicapidae	Prinia	stewartii	
	752	Muscicapidae	Prinia	subflava	Jungle long tailed, or tawny' flanked long tailed Warbler
	753	Muscicapidae	Prinia	sylvatica	Jungle long tailed Warbler, Jungle Prilenia
	1021	?	Prionailurus?	bengalensis	
	1022	?	Prionailurus?	viverrinus	
	754	Procellariidae	Procellaria	carneipes	Shearwater, Pink-footed, Flesh-footed
	755	Procellariidae	Procellaria	leucomelaena	Shearwater, White-fronted
	756	Procellariidae	Procellaria	pacifica	Shearwater, Green-

					billed, Wedge-tailed
	757	Procellariidae	Procellaria	tenuirostris	Shearwater Slender-bil(ed, or Mutton Bird
	758	Colubridae	Psammodynastes	pulverulentus	
	759	Agamidae	Psammophilus	blanfordiana	
	760	Eurylaimidae	Psarisomus	dalhousiae	Long-tailed Broadbill
	761	Threskiornithidae	Pseudibis	papillosa	Red-naped Ibis
	762	Threskiornithidae	Pseudoxenodon	macrops	
	763	Psittacidae	Psittacula	alexandri	Red-breasted Parakeet
	764	Psittacidae	Psittacula	eupatria	Alexandrine Parakeet
	765	Psittacidae	Psittacula	himalayana	Slaty-headed Parakeet
	766	Psittacidae	Psittacula	kramen	Rose-ringrd Parakeet
	767	Psittacidae	Psittacula	roseata	Blossom- eaded Parakeet
	768	Pteroclididae	Pterocles	indicus	Painted Sandfrouse
	769	Procellariidae	Pterodroma	barau	Barau's Petre
	770	Procellariidae	Pterodroma	lessoni	Petrel White-headed
	771	Procellariidae	Pterodroma	mollis	Soft-plumaged Petrel
	772	Pteropodidae	Pteropus	giganteus	Wting-fox, ommon
	773	Muscicapidae	Pteruthius	flaviscapis	White-browed Shrike-Babbl
	774	Muscicapidae	Pteruthius	melanotis	Black-eared Shrike-Babble
	775	Colubridae	Ptyas	mucosus	Common Rat Snake
	776	Procellariidae	Puffinus	griseus	Shearwater, sooty
	777	Procellariidae	Puffinus	therminieri	Shearwater, Audubon's
	778	Pycnonotidae	Pycnonotus	at riceps	Black-headed Bul bul
	1060	Pycnonotidae	Pvcnonotus	bengalensis	Reel vented Bulbul
	779	Pycnonotidae	Pycnonotus	cafer	Red-vented Bulbul
	780	Pvcnonotidae	Pycnonotus	flavescens	Flavescent Bulbul
	781	Pvcnonotidae	Pvcnonotus	jocosus	Red-whiskered Bulbul
	782	Pycnonotidae	Pycnonotus	eucogenys	Himalayan Bulbul
	783	Pvcnonotidae	Pycnonotus	melanicterus	Black-crested Bulbul
	784	Boidae	Python	molurus	
	785	Boidae	Python	reticulatus	
	786	Muscicapidae	Raipidura	albicollis	Whitebrowed Fantail Flycatcher
	787	Rallidae	Rallina	eurizonoides	Slaty-legged Crake
	788	Rallidae	Rallina	fasciata	Red-legged Crake
	789	Rallidae	Rallus	aquaticus	Water Rail
	790	Ranidae	Rana	Laticeps	
	791	Ranidae	Rana	beddomii	
	792	Ranidae	Rana	breviceps	
	793	Ranidae	Rana	cyanophlyctis	skipper frog
	794	Ranidae	Rana	formosa	
	795	Ranidae	Rana	hexadactyla	Bull Frog
	796	Ranidae	Rana	khasiana	
	797	Ranidae	Rana	latopalmata	
	798	Ranidae	Rana	limnocharis	Cricket frog
	799	Ranidae	Rana	temporalis	
	800	Ranidae	Rana	tigrina	Bull frog
	801	Ranidae	Rana	tyleri	

	802	Muridae	Ratus	blanfordi	White-tailed Rat
	803	Muridae	Ratus	norvegicus	European Brown Rat
	804	Muridae	Ratus	rattus	Common House-rat
	805	Sciuridae	Ratufa	macroura	Highland Giant-squirrel
	807	Muridae	Rattus	edwardsi	Edward's Rat
	808	Muridae	Rattus	fulvescens	Chestnut Rat/Short Tailed Rat
	809	Muridae	Rattus	norvegicus	Brown Rat
	810	Muridae	Rattus	ratus	Black Rat or House Rat
	1100	Sciuridae	Ratufa	bicolor	
	1058	Sciuridae	Ratufa	indica	Malacran Giant Squirrel
	811	Recurvirostridae	Recurvirostra	avesetta	Avocet
	812	Colugridae	Rhabdophis	subminiata	
	813	Colugridae	Rhabdops	bicolor	
	814	Rhacophoridae	Rhacophorus	jerdoni	
	815	Rhacophoridae	Rhacophorus	eucomystax	
	816	Rhacophoridae	Rhacophorus	maculatus	Maculated tree frog
	817	Rhacophoridae	Rhacophorus	maximus	
	818	Perisodactyla	Rhinoceros	sondaicus	Lesser One-horned Rhinoceros
	819	Perisodactyla	Rhinoceros	unicornis	Great One-horned Rhinoceros
	820	Rhinopomatidae	Rhinocftoma	hardwicki	Lesser Rat tailed Bat
	1107	Rhipiduridae	Rhipidura	albicollis	
	821	Rhipiduridae	Rhipidura	aureola	White-browed Fantail
	822	Rhipiduridae	Rhipidura	burmanica	Whitebrowed Fantail Flycatcher
	823	Anatidae	Rhodonessa	caryophyllacea	Pink-headed Duck
	824	Timaliidae	Rhopocichla	articeps	Babbler.Southern black-fronted
	825	Timaliidae	Rhopocichla	atriceps	Dark-fronted Babbler
	826	Cuculidae	Rhopodytes	trrstis	Malkoha
	827	Muscicapidae	Rhipidura	aureola	Whitebrowed Fantail Flycatcher
	828	Muscicapidae	Rhipidura	burmanica	Whitebrowed Fantail Flycatcher
	829	Muscicapidae	Rhipidura	hypoxantha	Yellowbellied Fantail Flycatcher
	830	Muscicapidae	Rhyacornis	fuliginosus	Plumbeous Water-Redstart
	831	Bucerotidae	Rhyticeros	uudulatus	Wreathed Hornbill
	832	Muscicapidae	Rimator	matacoptilus	Longtailed Wren Babbler
	833	Hirundinidae	Riparia	paludicola	Plain Martin
	834	Hirundinidae	Riparia	npana	Sand Martin
	835	Rostratulidae	Rostratula	benghalensis	Greater Painted-snipe
	836	Pteropodidae	Rousettus	leschenaulti	Fulvous Fruit Bat
	837	Laridae	Rynchops	albicollis	Indian Skimmer
	838	Accipitridae	Sarcogyps	calvus	Red-headed Vulture
	839	Anatidae	Sarkidiornis	melanotos	Comb Duck
	840	Sturnidae	Saroglossa	spiloptera	spot-winged Starling
	841	Picidae	Sasia	ochracea	White-browed Piculet
	842	Muscicapidae	Saxicola	caprata	Pied Bushchat
	843	Muscicapidae	Saxicola	ferrea	Grey Bushchat
	1047	Muscicapidae	Saxicola	insignis	White-throated

					Bushchat
	1096	Muscicapidae	Saxicola	jerdoni	
	844	Muscicapidae	Saxicola	eucura	White-tailed Stonechat
	845	Muscicapidae	Saxicola	tarquata	Collared Bush Chart
	846	Muscicapidae	Saxicoloides	fulicata	Indian Robin
	847	Sylviidae	Schoenicola	platyura	Broad-tailed Grassbird
	848	Scolopacidae	Scolopax	rusticola	Eurasian Woodcock
	849	Vespertilionidae	Scotophilus	heathi	Bat, Greater Yellow
	850	Vespertilionidae	Scotophilus	luteus	Yellow Bat
	851	Vespertilionidae	Scotophilus	temmincki	Bat, Lesser Yellow
	1133	Scyllidae	Scylla	seretta	Mud crab
	852	Muscicapidae	Seicercus	burki	Yellow-eyed Flycatcher Warbler
	853	Muscicapidae	Seicercus	castaniceps	Chestnut-crowned Warbler
	854	Muscicapidae	Seicercus	poliogenys	Grey-cheeked Warbler
	1097	Muscicapidae	Seicercus	xanthoschistos	
	855	Ursidae	Selenarctos	thibetanus	Asiatic Black Bear
	1017	?	Semnopithecus	entellus	synonym? - Common Langur Presbytis entellus
	1018	?	Semnopithecus	phayrei	synonym?- Leaf Monkey Presbytis phayrei
	1019	?	Semnopithecus	pileatus	synonym?- Capped Langur Presbytis pileatus
	856	Eurylaimidae	Serilophus	lunatus	Silver-breasted Broadbill
	857	Colubridae	Sibynophis	Sagittarius	Spot-bellied Snake
	858	Agamidae	Sitana	pontiaceriana	
	859	Sittidae	Sitta	fcastanea	Chestnut-bellied Nuthatch
	860	Sittidae	Sitta	formosa	Beautiful Nuthatch
	861	Sittidae	Sitta	frontalis	Velvet-fronted Nuthatch
	862	Delphinidae	Sotalia	plumbea	Plumbeous Dolphin
	1020	?	Sousa?	chinensis?	
	863	Muscicapidae	Spelaeornis	formosus	Spotted Wren-Babbler
	864	Accipitridae	Spilornis	cheela	Crested Serpent-Eagle
	865	Accipitridae	Spizaetus	cirrhatous	Changeable Hawk-Eagle
	866	Accipitridae	Spizaetus	nipalensis	Mountain Hawk-Eagle
	867	Pycnonotidae	Sfcizixos	canifrons	Crested Finchbill
	868	Muscicapidae	S achyris	chrysaea	Golden Babbler
	869	Muscicapidae	Stachyris	nigriceps	Grey-throated Babbler
	870	MusciCapidae	Stachyris	rufifrons	Rufous-fronted Babbler
	871	Delphinidae	Stenella	malayana	Malay Dolphin
	872	Delphinidae	Steno	bredanensis	Rough Toothed Dolphin
	873	Stercorariidae	Stercorarius	parasitiacus	Skua, Arctic
	874	Laridae	Sterna	acuticauda	Black-bellied Tern
	875	Laridae	Sterna	albifrons	Little Tern
	876	Laridae	Sterna	anaethetus	Bridled Tern

	877	Laridae	Sterna	aurantia	River Tern
	878	Laridae	Sterna	bengalensis	Lesser Crested-Tern
	879	Laridae	Sterna	bergii	Great Crested-Tern
	880	Laridae	Sterna	dougallii	Roseate Tern
	881	Laridae	Sterna	fuscata	Sooty Tern
	882	Laridae	Sterna	hirundo	Common Tern
	883	Laridae	Sterna	repressa	White-cheeked Tern
	884	Laridae	Sterna	sandvicensis	Sandwich Tern
	885	Laridae	Sterna	saundersi	Saunders's Tern
	886	Laridae	Sterna	sumatrana	Black-naped Tern
	887	Colubridae	Stoliczkai	khasiensis	
	888	Columbidae	Streptopelia	chinensis	Spotted Dove
	889	Columbidae	Streptopelia	decaota	Dove, Indian Ring, Collared
	1051	Columbidae	Streptopelia	orientalis	Rufous Turtle Dove
	890	Columbidae	Streptopelia	senegulensis	Little Brown Dove
	891	Columbidae	Streptopelia	tranquebarica	Red Collared-Dove
	892	Strigidae	Strix	letogrammica	Owl, Brown Wood
	893	Strigidae	Strix	ocellata	Mottled Wood-Owl
	1131	Sturnidae	Sturnus	blythii	
	894	Sturnidae	Sturnus	contra	Asian Pied Starling
	895	Sturnidae	Sturnus	malabaricus	Chestnut-tailed Starling
	896	Sturnidae	Sturnus	pagodarum	Brahminy Starling
	897	Sturnidae	Sturnus	roseus	Rosy Starling
	1129	Sturnidae	Sturnus	vulgaris	
	898	Sulidae	Sula	leucogaster	Brown Booby
	899	Sulidae	Sula	sula	Red-footed Booby
	900	Soricidae	Suncus	etruscus	Shrew, Pigmy
	901	Soricidae	Suncus	murinus	Shrew, Common Indian Musk
	902	Cuculidae	Surniculus	lugubris	Drongo Cuckoo
	903	Suidae	Sus	salvaruus	Pigmy Hog
	904	Suidae	Sus	scrofa	Indian Wild Pig
	905	Sylviidae	Sylvia	althaea	Whitethroat, Hume's
	906	Sylviidae	Sylvia	curruca	Lesser Whitethroat
	907	Phasianidae	Syrmaticus	humiae	Hume's Pheasant
	908	Cuculidae	Taccocua	leschenaultii	Cuckoo, Sirkeer
	909	Molossidae	Tadarida	aegyptiaca	Indian Wrikled-lipped Bat
	910	Molossidae	Tadarida	plicata	Wrinkled-lipped Bat
	911	Molossidae	Tadarida	ragata	Indian Wrinkled-lipped Bat
	912	Anatidae	Tadorna	ferruginea	Ruddy Shelduck
	913	Anatidae	Tadorna	tadorna	Common Shelduck
	914	Lacertidae	Takydromus	haughtonianus	
	915	Lacertidae	Takydromus	sexlineatus	
	916	Talpidae	Talpa	micrura	Eastern Mole
	917	Emballonuridae	Taphozous	longimanus	Long-armed Sheath-tailed Bat
	918	Emballonuridae	Taphozous	saccolaimus	Pouch-bearing Sheath-tailed Bat
	919	Campephagidae	Taphrodornis	pondicerianus	Large Wood Shrike
	920	Muridae	Tatera	indica	Gerbil, Antelope-rat
	921	Campephagidae	Tephrodornis	pondicerianus	Common Woodshrike
	1137	Campephagidae	Tephrodornis	virgatus	Large wood Shrike
	922	Monarchidae	Terpsiphone	paradisi	Asian Paradise-Flycatcher
	923	Monarchidae	Terpsiphone	saturator	Paradise Flycatcher
	924	Muscicapidae	Tesia	cyaniventer	Grey-bellied Tesia

	925	Testudnidae	Testudo	elegans	Star Tortoise
	1108	Threskiornithidae	Threskiornis	acthiopioca?	Ibis
	926	Threskiornithidae	Threskiornis	melanocephala	White Ibis, Black headed Ibis
	927	Muscicapidae	Tirnalía	pileata	Chestnut-capped Babbler
	928	Colubridae	Trachischiurn	monticola	
	929	Tragulidae	Tragulus	javanicus	Indian Mouse-deer, Chevrotain
	930	Columbidae	Treron	apicauda	Pin-tailed Green-Pigeon
	931	Columbidae	Treron	bicincta	Orange-breasted Green-Pig
	932	Columbidae	Treron	curvirostra	Thick-billed Green-Pigeon
	933	Columbidae	Treron	phoenicoptera	Yellow-footed Green-Pigeon
	934	Columbidae	Treron	pompadora	Pompadour Green-Pigeon
	935	Columbidae	Treron	sphenura	Wedge-tailed Green-Pigeon
	936	Muscicapidae	Trichastoma	abbotti	Abbott's abbler
	937	Muscicapidae	Trichastoma	tickelli	Tickell 's Babbler
	938	Viperidae	Trimeresurus	albolabris	
	939	Viperidae	Trimeresurus	erythrus	
	940	Viperidae	Trimeresurus	granmeus	
	941	Viperidae	Trimeresurus	macrosquamatus	
	942	Viperidae	Trimeresurus	monticola	
	943	Viperidae	Trimeresurus	stejnegeri	
	944	Scolopacidae	Tringa	erythropus	Spotted Redshank
	945	Scolopacidae	Tringa	glareola	Wood Sandpiper
	946	Scolopacidae	Tringa	guttifer	Nordmann's Greenshank
	947	Scolopacidae	Tringa	hypoleucos	Common Sandpiper
	948	Scolopacidae	Tringa	nebularia	Common Greenshank
	949	Scolopacidae	Tringa	ochropus	Green Sandpiper
	950	Scolopacidae	Tringa	stagnatilis	Marsh Sandpiper
	951	Scolopacidae	Tringa	terek	Sandpiper Terek, Avocet
	952	Scolopacidae	Tringa	totanus	Common Redshank
	953	Trionychidae	Trionyx	gangeticus	
	954	Trionychidae	Trionyx	hurum	
	955	Trionychidae	Trionyx	leithi	
	956	Trionychidae	Trionyx	nigricans	
	957	Scolopacidae	Tryngites	subruficollis	Buff-breasted Sandpiper
	958	Tupaiaidae	Tupaia	glis	Common Tree Shrew
	959	Muscicapidae	Turdoides	affinis	Yellow-billed Babbler
	960	Muscicapidae	Turdoides	caudatus	Common Babbler
	961	Muscicapidae	Turdoides	earlei	Striated Babbler
	1104	Muscicapidae	Turdoides	longirostris	Slender billed Babbler
	962	Muscicapidae	Turdoides	striatus	Jungle Babbler
	963	Muscicapidae	Turdus	dissimilis	Black-breasted Thrush
	964	Muscicapidae	Turdus	merula	Eurasian Blackbird
	965	Muscicapidae	Turdus	obscurus	Eyebrowed Thrush
	966	Muscicapidae	Turdus	ruficollis	Dark-throated Thrush

	967	Muscicapidae	Turdus	unicolor	Tickell's Thrush
	968	Turnicidae	Turnix	suscitater	Quail, Barred Bustard
	969	Turnicidae	Turnix	sylvatica	Small Buttonquail
	970	Turnicidae	Turnix	tanki	Yellow-legged Buttonquail
	971	Delphinidae	Tursiops	truncatus	Bottle-nosed Dolphin
	972	Vespertilionidae	Tylonycteris	pachypus	Club Footed Bat
	973	Typhlopidae	Typhlops	braminus	
	974	Typhlopidae	Typhlops	diardi	
	975	Typhlopidae	Typhlops	porrectus	
	976	Typhlopidae	Typhlops	bothriorhynchus	
	977	Typhlopidae	Typhlops	diardi	
	978	Strigidae	Tyto	alba	Barn Owl
	979	Strigidae	Tyto	capensis	Grass Owl
	980	Microhylidae	Uperodon	globulosus	
	981	Upupidae	Upupa	epops	Eurasian Hoopoe
	1026	Ursidae	Ursus	malayanus	
	1027	Ursidae	Ursus	ursinus	
	982	Muridae	Vandeleuria	oleracea	Long-tailed Tree Mouse
	983	Charadriidae	Vanellus	gregarius	Player, Sociable
	984	Charadriidae	Vanellus	indicus	Lapwing, Red-wattled
	985	Charadriidae	Vanellus	malabaricus	Lapwing, Yellow-wattled
	986	Charadriidae	Vanellus	atrionuchalis	Red-wattled Lapwing
	987	Charadriidae	Vanellus	cinereus	Grey-headed Lapwing
	988	Charadriidae	Vanellus	leucurus	White-tailed Lapwing
	989	Charadriidae	Vanellus	spinosus	Spur-winged Lapwing
	990	Charadriidae	Vanellus	vanellus	Northern Lapwing
	991	Varanidae	Varanus	bengalensis	Bengal monitor lizard
	992	Varanidae	Varanus	flavescens	
	993	Varanidae	Varanus	nebulosus	
	994	Varanidae	Varanus	salvator	Monitor Lizard
	995	Viperidae	Vipera	russelli	Viper, Russell's
	996	Viverridae	Viverra	zibetha	Large Civet
	997	Viverridae	Viverricula	indica	Small Civet-cat
	998	Canidae	Vulpes	bengalensis	Bengal Fox
	999	Colubridae	Xenochrophis	cerasogaster	
	1000	Colubridae	Xenochrophis	piscator	checkered keelback
	1001	Ciconiidae	Xenorhynchus	asrancus	Blacknecked Stork
	1002	Muscicapidae	Xiphirhynchus	sukercillaris	Babbler
	1003	Muscicapidae	Yuhina	bakeri	White-naped Yuhina
	1004	Muscicapidae	Yuhina	casitaniceps	Chesnut-headed Yuhina
	1005	Muscicapidae	Yuhina	flavicollis	Whiskered Yuhina
	1006	Muscicapidae	Yuhina	gularis	Stripe-throated Yuhina
	1007	Muscicapidae	Yuhina	rugnrenta	Black-chinned Yuhina
	1008	Muscicapidae	Yuhina	xantholeuca	Whitebellied Yuhina
	1009	Colubridae	Zaocys	nigromarginatus	
	1010	Ziphiidae	Ziphius	cavirostris	Goose-beaked or Cuvier's Beaked Whale

	1011	Muscicapidae	Zoothera	citrina	Orangp-headed Thrush
	1012	Muscicapidae	Zoothera	dauma	Scaly Thrush
	1013	Muscicapidae	Zoothera	monticola	Long-billed Thrush
	1014	Muscicapidae	Zoothera	wardi	Thrush, Pied Ground
	1015	Zosteropidae	Zosterops	palpebrosa	Indian Small White Eye
	9900		{Unknown Bird}		

Annexure 4.3: Threatened Species

The following lists the threatened species as recorded in the Animal and Plant Species data bases in the ENRS system. This information is taken directly from the data bases used by Hughell in the EIMS data bases and there can be no certainty that the information is correct. Where possible the data bases have been updated to correct misinformation. This includes where relevant and where possible the changes made by Rosario (1997c, 1997d).

The first difficulty is to determine just which reference should be used as the definitive list of threatened and/or endangered species. This should rightly be a Bangladesh Government decision after consultation with many other agencies. It would be very advantageous if there was one definitive list for use in Bangladesh.

Pending the availability of such a single list it is recommended that this list be used by the Forest Department as the base line. The information should be reviewed by the Forest Department and any further changes deemed desirable should be made. In this way the data bases can be maintained as consistent and as error free as possible. There can never be complete certainty that the data bases will be error free but every attempt should be made to correct known errors.

The following codes are used. These were also detailed in the “Extended Natural Resources Survey: Part ii- Field Manual”.

Flora and Fauna Life Form Codes		
A. Birds	T. Tree	C. Climber
B. Amphibians	S. Shrub	G. Grass
R. Reptiles	P. Palm	E. Epiphyte/parasite
M. Mammals	H. Herb	L. Moss/Lichen/Liverwort
I. Insects	F. Fern	X. Other
W. Fish		

Threatened Status- Global		
X. Extinct	R. Rare	N. Not Threatened
E. Endangered	I. Indeterminate	Q. Unknown
V. Vulnerable		
Threatened Status- National		
T. Nationally Threatened	N. Not Threatened	? Unknown

Note that in the Tentative Plant List there are two fields for “Threatened Nationally”. There were obtained from two sources and it should be the responsibility of the Bangladesh National Herbarium to advise as to which is the better code.

Note also that the species list still contain a number of errors and omissions. However they represent the best available computer data base of species.

Spp No.	Life From	Genus	Species	Common Name	Threatened Globally
Birds					
8	A	Aceros	nipalensis	Rufous-necked Hornbill	R
1036	A	Aegyptius	monachus	Cinereous Vulture	V
26	A	Alcedo	hercules	Blyth's Kingfisher	I
1029	A	Anser	erythropus	Lesser White-fronted Goose	R
75	A	Aquila	heliaca	Imperial Eagle	R

88	A	Ardea	insignis	White-bellied Heron	E
103	A	Aythya	baeri	Baer's Pochard	V
145	A	Cairina	scutulata	White-winged Duck	V
212	A	Chrysomma	altirostre	Ierdori's Babbler	V
235	A	Columba	bunicea	Pale-capped Pigeon	R
338	A	Eupodotis	engalensis	Bengal Florican	E
1034	A	Eupodotis	indica	Lesser Florican	E
340	A	Eurynorhynchus	pygmaeus	Spoonbill Sandpiper	I
344	A	Falco	naurnanni	Lesser Kestrel	R
358	A	Francolinus	gularis	Swamp Francolin	V
360	A	Fregata	andrewsi	Christmas Island Frigate	V
373	A	Garrulax	cinereifrons	Ashy-headed Laughingthrush	V
1038	A	Haliaeetus	leucophrys	Pallas's Sea-Eagle	R
416	A	Heliopais	personata	Masked Finfoot	V
501	A	Leptoptilos	dubius	Greater Adjutant	E
502	A	Leptoptilos	javanicus	Lesser Adjutant	V
506	A	Limnodromus	semipalmatus	Asian Dowitcher	R
1030	A	Marmaronetta	angustirostris	Marbled Teal	V
646	A	Paradoxornis	flavirostris	Black-breasted Parrotbill	I
648	A	Paradoxornis	ruficeps	Rufous-headed Parrotbill	R
658	A	Pavo	muticus	Green Peafowl	V
1043	A	Pelecanus	crispus	Dalmatian Pelican	V
1044	A	Pelecanus	phi ippensis	Spot-billed Pelican	I
666	A	Pellorneum	palustre	Marsh Babbler	Q
1028	A	Perdicula	manipurensis	Manipur Bush-Quail	R
1049	A	Ploceus	megarhynch us	Yellow Weaver	R
744	A	Prinia	burnesii	Rufous-vented Prinia	R
1047	A	Saxicola	insignis	White-throated Bushchat	K
860	A	Sitta	formosa	Beautiful Nuthatch	R
907	A	Syrmaticus	humiae	Hume's Pheasant	R
946	A	Tringa	guttifer	Nordmann's Greenshank	I

Mammals					
68	M	Antilope	cervicapra	Water Buffalo(Bon Mahish)	V
69	M	Aonyx	cinerea	Small-clawed Otter	Q
121	M	Bos	gaurus	Bison Gaur	V
166	M	Canis	lupus	Wolf	V
177	M	Caprolagus	hispidus	Hispid Hare	E
257	M	ClIon	alpinus	Red Dog, Wild Dog, Dhole	V
295	M	Dugong	dugon	Common Dugong	V
309	M	Elephas	maximus	Indian Elephant	E
456	M	Hylobates	hoolock	Hoolock Gibbon	E
1016	M	Naemorhedus	sumatraensis		I
601	M	Neophocaena	phocaenoides	Little Indian Porpoise or Finless Porpoise	Q
624	M	Orcaella	brevirostris	Dolphin	Q
644	M	Panthera	tigris	Royal Bengal Tiger (Dora Bagh)	E
1025	M	Platanista	gangetica		V
1022	M	Prionailurus	viverrinus		Q
818	M	Rhinoceros	sondaicus	Lesser One-horned Rhinoceros	E
819	M	Rhinoceros	unicornis	Great One-horned	E

				Rhinoceros	
1020	M	Sousa	chinensis		Q
903	M	Sus	salvanus	Pigmy Hog	E
1026	M	Ursus	malayanus		V
1027	M	Ursus	ursinus		V
998	M	Vulpes	bengalensis	Bengal Fox	I

Reptiles	Life From	Genus	Species	Common Name	Threatened		
					Glo	Nat(A)	Nat(B)
250	R	Crocodylus	palustris	Mugger	V		
249	R	Crocodylus	porosus	<i>Estuarine Crocodile</i>	V		
6	T	Abroma	Augusta				T
3780		Aglaonema	clarkei		V	V	T
137		Aldrovanda	vesiculosa		Q	E	T
230		Anisoptera	glabra				T
231	T	Anisoptera	scaphula		N	E	
276		Aquilaria	agallocha	Agar	Q	E	T
277		Aquilaria	malaccensis		Q	E	
285	P	Areca	triandra				T
520	R	Calamus	erectus		N	I	T
521	R	Calamus	flagellum				T
522	R	Calamus	gracilis		Q	I	T
523	R	Calamus	guruba	Sundi	N	I	
525	R	Calamus	latifolius	Horna			T
3781	R	Calamus	longisetus		N	I	T
3782	R	Calamus	quinquenerivus		V	V	T
531	R	Calamus	viminalis		Q	I	
535		Calliandra	umbrosa				T
679		Cedrela	toona	Suruj/Toon			T
699		Centrostachys	aquatica				T
3783		Ceropegia	angustifolia		V	V	
826	S	Clinogyne	dichotorna		Q	V	
879	C	Congea	tomentosa				T
999	H	Curcuma	zedoaria				T
3784		Cycas	pectinata		N	V	T
3785	G	Cymbopogon	osmastonii		V	V	T
1084	G	Daemonorops	jenkinsiana		Q	I	T
1093	S	Dalbergia	spinose	Anantakanta, Ch andakamia, Chulia kanta			T
3660	T	Debregeasia	dentate		V	V	T
1104	T	Dehaasia	kurzii				T
3786		Dendr obiurn	aurantincum		E	E	
3787		Dendrobium	formosum		Q	E	
1141	H	Desrnodiurn	triflorum				T
1143		Desrnos	chinensis				T
3788	G	Dinochloa	maclellandii		Q	V	
3789		Dipterocarpus	alatus		N	N	
3790		Dipterocarpus	costatus		N	E	
1220		Dipterocarpus	gracilis		N	E	T
1222	T	Dipterocarpus	turbinatus	Baittya/Garjan	N	E	
1287		Elaeocarpus	lucidus		V	V	T
1356	C	Erycibe	paniculata				T
1450	H	Euryale	ferox		Q	I	T
1455		Evolvulus	alsinoides				T
1587	T	Careinia	xanthoehymus				T
1618	T	Gloehidion	multiloulare				T
1621	C	Gloriosa	superba		N	E	T
3791		Gnetum	funieulare		Q	Q	
1687		Gyrocarpus	americanus				T

1691		Habenaria	plantaginea				T
3792		Hedyotis	brunonis		R	R	
1760		Hippocratea	macrantha		Q	V	T
3793		Homalium	schlichtii		V	V	T
1775	T	Hopea	odorata	Telsur/Tersol	N	E	
1787	S	Hydnocarpus	kurzii				T
1801	T	Hymenodictyon	excelsum				T
1806	H	Hyptis	capitate				T
3794		Iodes	hookeriana		I	I	
1934		Justicia	oreophila		V	V	T
3795		Knema	bengnlensis		V	V	T
2034	P	Licuala	peltata		N	V	
3796		Limnophila	cana		V	V	
2156		Mangifera	longipes				T
2157	T	Mangifera	sylvatica	Uriam			T
3690	H	Mantisia	saltatoria				T
3797		Mantisia	spathulata		V	V	t

Annexure 4.4: Interface Villages

Upazila	Union	Village Name	Mouza Name	Start distance from SRF(km)	End distance from SRF(km)	Dependency on SRF for Livelihood	Under PA Landscape?
Sarankhola	Southkhali	Dakhin Sonatola	Sonatala	1.5	3	High	Y
		Uttar Sonatola	Sonatala	3	5	High	Y
		Bakultola	Sonatala	1.5	2	Medium	Y
		Dakhin Tafalbari	Sonatala	2.5	5	Medium	Y
		Uttar Tafalbari	Sonatala	2	3.5	Medium	Y
		Rayenda	Sonatala	3.5	4	Medium	Y
		Uttar Southkhali	Sarankhola	3.5	4	Medium	Y
		Dakhin Southkhali	Sarankhola	3	4	High	Y
		Chaletabunia	Sarankhola	2	4	High	Y
		Khuria Khali	Sarankhola	0	3		Y
		Sarankhola	Sarankhola	0	3		Y
		Bogi	Sarankhola	0	2	High	Y
		Rayenda	Uttar Rajapur	Dakhin Rajapur	1.5	3.5	High
	Dakhin Rajapur		Dakhin Rajapur	1.5	3.5	High	Y
	Malia Rajapur		Dakhin Rajapur	3.5	6	High	Y
	Khada		Dakhin Rajapur	6	9	Medium	Y
	Uttar Kadamtala		Rayenda	9	11		N
	Rayenda Bazar		Rayenda	9	11		N
	Kadamtala		Rayenda	9	11		N
	Uttar Tafalbari		Rayenda	5	10	Medium	Y
	Chal Rayenda		Jilbunia	9	11	Medium	Y
	Lakurtala		Jilbunia	9	11		N
	Chalitabunia		Jilbunia	7	8		N
	Jilbunia		Jilbunia	8	9		N
	Rajewsar	Jilbunia	8	9		N	
	Rajapur						

	Dhan Sagar	Khejurbaria	DhanSagar	1	3	High	Y
		DhanSagar	DhanSagar	3	5	High	Y
		Nolbunia	DhanSagar	4	5		N
		Badhal	DhanSagar	5	6		N
		Malsha	DhanSagar	5	6		N
		Amra Gachia	DhanSagar	5	6		N
		Poschim Rajapur	Rajapur	0	2	High	Y
		Rosia Rajapur	Rajapur	2	3	High	Y
		Purbo Rajapur	Rajapur	3	5		N
		Kali Bari	Nolbunia	3	5		N
		Hoglapati	Nolbunia	3	5		N
		Soilabunia	Nolbunia	3			N
	Khonkata	DhanSagar	Baniakhal	4	9		N
	Khonkata	Baniakhal	Baniakhal	6	9		N
		Nol Bunia	Baniakhal	6	9		N
		Janer Par	Baniakhal	6	8		N
		Uttar Khontakata	Baniakhal	6	9		N
		Paschim Khontakata	Baniakhal	6	7.5		N
		Purbo Khontakata	Morlabad	8	10		N
		Modhya Khontakata	Morlabad	8	14		N
		Mother Par	Morlabad	7.5	9.5		N
		Varanir Par	Amragachia	7.5	9		N
		Purbo Raioir	Amragachia	9	11		N
		Paschim Rajoir	Amragachia	8	12		N
		Golbunia	Amragachia	7	9		N
		Uttar Amragachia	Amragachia	6	10		N
		Dakhin Amragachia	Amragachia	6	9		N

Morrelg onj	Jeodha ra	Dhewtala	Dhewtala	7	9		N
		Gonir Khanda	Dhewtala	6	7		N
		Dumuria	Dhewtala	5	6		N
		Sonatala	Dhewtala	7	9		N
		Kalachan der Dar	Dhewtala	7	9		N
		Howla Vabga	Dhewtala	7	9		N
		Kuruper Dag	Dhewtala	7	9		N
		Kakratal a	Dhewtala	6	8		N
		Paler khanda	Manikgh ola	6	8		N
		Lakshmi Khali	Manikgh ola	4.5	5.5		N
		Boyar Shing	Manikgh ola	4.5	6		N
		Geodhar a	Dakhin Geodhar a	2	4		N
		Chandan Tala	Dakhin Geodhar a	3.5	5		N
		Pajakhol a	Dakhin Geodhar a	3.5	5		N
		Bain tala	Dakhin Geodhar a	5	6.5		N
		Bot Tala	Dakhin Geodhar a	5	5.5		N
		Pathuria Kalibari	Uttra Geodhar a	5	6.5		N
		kalibari	Uttra Geodhar a	7	7.5		N
		Samadda r Khali	Uttra Geodhar a	7	8		N
		Arong Ghata	Uttra Geodhar a	7.5	8.5		N
		Babai Khali	Uttra Geodhar a	7	8		N
		Bhaizora	Dakhin Pulhata	6	7		N
		Pankhali	Dakhin Pulhata	6	7		N
		Boroitala	Dakhin Pulhata	5.5	7		N
		Mothbari	Uttra Geodhar a	5	6		N
		Thakur Raintala	Dakhin Geodhar a	5	7		N

		Ikrankhali	Dakhin Geodhara	4	5		N
	Nisanbaria	Hugol Pati	Guatola	7.5	10		
		Vasan Dal	Vasandol	7	9		
		Nishanbaria	Vasandol	5.5	7		
		Uma Jhuri	Vasandol	0	3		
		Dhansagar	PC Baruikhali	0	1.5		
		PC Baruikhali	PC Baruikhali	4	5.5		
		Haritokitala	Guatola	3	7		
		Guatola	Guatola	5	10		
		Jamirtala	Guatola	0	3.5		
		Amarbunia	Gulsakhali	0	2.5		
		geodhara	geodhara	0	30		
		Gulsakhali	geodhara				
		Khaolia					
	Baraikhali						
	Hoglabunia						
	Baharbunia						
Mongla	Chila	Dhakhin Haldibunia	Holdibunia	0	2	High	Y
		Hetal Mari	Holdibunia	0.5	2.5		N
		felur khanda	Holdibunia	1	3		N
		Modhya Holdibunia	Holdibunia	2.5	4.5		N
		Dasher Khanda	Holdibunia	4.5	5		N
		Uttar Holdibunia	Holdibunia	4.5	6		N
		Gholer Danga	Holdibunia	6.5	7		N
		Chila Gabunia	Chila	2	3.5	High	Y
		Purbo Chila	Chila	3.5	4		N
		Paschim Chila	Chila	0	1		N
		Dhakhin Chila	Chila	0	2.5	High	Y
		Ulukata	Chila	2.5	4	High	Y

		Jomonir Thota	Joymoni	0	2		N
		Modhya Joymoni	Joymoni	0	3		N
		Uttar Joymoni	Joymoni	0	4		N
	Sundar ban	Baddama ri	Bash tala	0	0.5	High	Y
		Dhakhin Bastala	Bash tala	0	2.5	High	Y
		Uttar Bastala	Bash tala	2.5	5	High	Y
		Pakhimar a	Bash tala	3	4.5		N
		Daiara khanda		3.5	5		N
		Kachubunia	Bazikare r khanda	0	4	High	Y
		Sola bunia	Bazikare r khanda	0	2.5		N
		Boraitala	Bazikare r khanda	0	2	High	Y
		Hoglabunia	Kharma	0	1.5	High	Y
		Katakhal i	Kharma	0	2	High	Y
		Goraburb uria	Kharma	0	1.5	High	Y
		Digraj	Kharma	3	6		N
		Aga Burburia	Kharma	7	9		N
		Madurpa ta	Dasher Khanda	10	12		N
		Dasher Khanda	Dasher Khanda	4.5	5		N
		Chalir Khanda	Dasher Khanda	4.5	5		N
		Deyara Izara	Dasher Khanda	4.5	5		N
		Bazikor Khanda	Bazikare r khanda	0	4		N
		Kachubunia	Bazikare r khanda	0	3.5		N
		Chand pai	Uttar Chandpai	Chandpai	8	10	
	Dakhin Chandpai		Chandpai	7	8		N
	Makor dhone		Makor dhone	8	10		N
	Bhraman Math		Mal gazi	8	10		N
	Mal gazi		Mal gazi	8	9		N
	Uttar Kainmari		Kainmari	6	8		N
	Kanai Nagar		Kainmari	0	2.5		N
	Kalika Bari		Kainmari	4.5	6.5		N
	Mithak hali	Mithakha li	Mithakha li	8	10		N
		Sonakhal i	Mithakha li	8	10		N

		Moukhal i	Datter math	7	8		N
		Purbo Datter math	Datter math	7	8		N
		Paschim Datter math	Datter math	7	8.5		N
		Sat Kharia	Datter math	7	7.5		N
		basur Khanda	Datter math	6	7		N
		Saheber Meth	Saheber Meth	8	11		N
		Goali Math	Khonkar er Ber	9	10		N
		Khonkar er ber	Khonkar er Ber	8	10		N
		Khaser danga	Khonkar er Ber	10	12		N
		Satpukuria	Khonkar er Ber	10	10		N
		Khar Kuria	Khonkar er Ber	11	12		N
		Dhon Khali	Khonkar er Ber	12	13		N
		Andaria	Andaria	9	12		N
		Khotar Danga	Andaria	10	12		N
		Chori Danga	Khonkar er Ber	7	9.5		N
		Mithakha li	Khonkar er Ber	8	9.5		N
	Pourasava	Narkel tala	RRG Makordh ong	5.5	6.5		N
		RRG Makordh ong	RRG Makordh ong	5	6.5		N
		Mash Mara gram	RRG Makordh ong	4.5	6		N
		kumarkh ali	RRG Makordh ong	5	6.5		N
		RRG Makordg ong sher-e-bangal road	Sheolabu nia	4.5	6		N
		Uttar Sheolabu nia	Sheolabu nia	4.5	5		N
		Baharud din Sarak	Sheolabu nia	4.5	5.5		N
		Morshed sarak	Sheolabu nia	4.5	6.5		N
		Samsur Rahman sarak	Sheolabu nia	4.5	5.5		N
		Kaborsth an Road	Sheolabu nia	4.5	6		N

		Giasuddin Sarak	Sheolabunia	5	5.5		N
		Burirdanga Kumar danga	Digraj	6	7.5		N
		Mongla-Khulna Mohasarak	Digraj	3.5	7		N
		Balur math Mongla bazar Kacha bazar	Sheolabunia	5	6.5		N
		Diganta Karani BL road	Sheolabunia	4.5	6		N
		Joybangla Purbo shewlabunia	Sheolabunia	4	6		N
		Madhya Shewlabunia	Sheolabunia	3.5	5		N
		Signal Tower	Sheolabunia	2	3.5		N
		Digraj	Digraj	5	8		N
		Biddar Bahan	Digraj	8	12		N
		Shwlabunia	Biddar Bahan	9	16		N
		Dakhin Burirdanga	Burirdanga	6	10		N
		Modha Burirdanga	Burirdanga	9	13		N
		Kapalir Meth	Burirdanga	13	17		N
		Vatarabad	Burirdanga	5	8		N
		Bairagik hali	Shanbanda	12	17		N
		Shanbanda	Shanbanda	16	20		N
Dacope	Laudobi	Lowdove Middlepara		4		Low	Y
		Khutakhali		6		Low	Y
		Khutakhali Bazar		5		Low	Y
		Harintana		4		Medium	Y
		Kalikabati		2		High	Y
		Ruakata Borobak		1		High	Y
		Burirdabur		0.5		High	Y

	Lowdove Poshurdhar		3		Medium	Y
Banisan	Uttar Banisanta	Banishanta	3	4	Medium	Y
Banisan	Andharm	Banishanta	3	4	Low	Y
	khali	Banishanta	2	4	Low	Y
	Kakrabunia	Banishanta	2	4	Low	Y
	Amtola	Banishanta	3.5	5	Medium	Y
	Purbo Amtola	Banishanta	2	2.5	Medium	Y
	Paschim Banisanta	Banishanta	2.5	5	Medium	Y
	Purbo Banisanta	Banishanta	0.5	2	Medium	Y
	Banisanta Bazar	Banishanta	0	2	Medium	Y
	Purbo Dhangmari	Banishanta	0	1	High	Y
	Bhozonkhali		0	1	High	Y
	Purbo Khejuria		1	2	Medium	Y
	Paschim Khejuria		1	2	Medium	Y
	Paschim Dhangmari		0	1	High	Y
	Peti kata		0	1	High	Y
Bajua						
Koilas	Ramnagar		0.5		High	Y
	Ramnagar		2		Low	Y
	Dhopadi		3		Low	Y
	Dhopadi		3		Low	Y
	Koilashgong		0.5		High	Y
Sutorkhali	Harintana		3		Low	Y
	Gonari				High	Y
	Sutorkhali				High	Y
	Nalian				High	Y
	Kalabogi				High	Y
Kamar	Kamarkhola		8		Low	Y
	Jelia Khali		7.5		Low	Y
	Channirchok		7		Low	Y
	Shibnagar		6		Low	Y

		Fakirdan ga		6		Low	Y
		Rajnagar		7.5		Low	Y
		Rekha Mari		7.5		Low	Y
		Joynagar		6		Medium	Y
		Per Joynagar		5		Low	Y
		Bhitavan ga		4		Medium	Y
		Kalinaga r		3		Medium	Y
		Satghoria		3		Low	Y
		Shaharab ad		2		High	Y
		Srinagar		1		High	Y
Koyra	Dakhin Bedkashi	Goal Khali		0.5		High	Y
	Dakhin Bedkashi	Matiavan ga		0.7		High	Y
		Ghorilal		1		High	Y
		Choto Angtihaar a		0.5		High	Y
		Angtihaar a		0.5		High	Y
		Jorr Shingh		0.5		High	Y
		Patakhali		0.5		High	Y
		South Bedkashi		1		Low	Y
		Chora Mukho		4		Low	Y
		Meder Chor		4		Low	Y
		Binapani		0.5		Medium	Y
		Holud Bunia		1		Low	Y
	Uttar Bedkashi	Kathmar chor		1		Medium	Y
		West Hazat Khali		1.5		Low	Y
		Bedkashi		1		Medium	Y
		East Hazat Khali		1.5		Low	Y
		Sheakh Sardarpa ra		1.5		Low	Y
		Borobari		1		Medium	Y
		Botul Bazar		1.5		Medium	Y
		Pathor Khali		1		High	Y
Gazipara			0.5		High	Y	
Gabubun ia			0.5		High	Y	
Shakh Baria		0.5		High	Y		

	Horihoropur		0.25		Medium	Y
	Gatir Gheri		0.25		High	Y
	Padmapukur		1.25		Medium	Y
Moharajpur	Moharajpur		2		Low	Y
	East Mothbari		0.5		High	Y
	West Mothbari		0.5		High	Y
	Kalna		4		Low	Y
	Megharite		4		Low	Y
	Gobindapur		9		Low	Y
	Lota		9		Low	Y
	Doshania		9		Low	Y
	Shimlarite		6		Low	Y
	Joypur		6		Low	Y
	Acra		6		Low	Y
	Antabunia		5		Low	Y
	Srirampur		5		Low	Y
	Khoria		5		Low	Y
	Deara		4		Low	Y
	Motherbaria		7		Low	Y
	Laxmikhola		6		Low	Y
	Shyam Khali		6		Low	Y
	Kulkhali		6.5		Low	Y
	Moharajpur		2		Low	Y
East Mothbari		0.5		High	Y	
West Mothbari		0.5		High	Y	
Baghali						
Moheshoripur	Gilabari		3		Low	Y
	Amtola		0.5		Low	Y
	Shingher Choak		2		Low	Y
	Moheshoripur		0.5		High	Y
	Chowkuni		3		High	Y
	Sathalia		3		Medium	Y
	Kalikapur		3		Medium	Y
	Tetultila		0.5		High	Y
	Vagbah		2		Low	Y
	Middle Hadda		0.5		Medium	Y

		East Hadda		0.5		Medium	Y
	Amadi						
	Sadar	North Modinabad		4		Low	Y
		South Modinabad		4		Low	Y
		Gobra		4.5		High	Y
		Ghata Khali		4.5		High	Y
		Horin Khola		4.5		High	Y
		1 no Koyra		3		Medium	Y
		2 no Koyra		4		Medium	Y
		3 no Koyra		3		High	Y
		4 no Koyra		0.75		High	Y
		5 no Koyra		0.75		High	Y
		6 no Koyra		0.5		High	Y
Paikgachha	Goraikhal	Goraikhal	Goraikhal	5	7		N
		Fakirabad	Goraikhal	4	5		N
		Shanta	Goraikhal	4	5		N
		Hogla Char	Goraikhal	4	5		N
		Bashakhali	Nurpur Aminpur	7	9		N
		Kanakhal	Nurpur Aminpur	9	11		N
		Amirpur	Nurpur Aminpur	4	6		N
		Bogurar Char	Nurpur Aminpur	7	8		N
		Patra Bunia	Nurpur Aminpur	7	8		N
		Surkhali	Bainbaria	4	5		N
		Bain Baria	Bainbaria	4	5		N
		Kathaltala	Uttar kumkhali	3	5		N
		Dakhin Kumkhali	Uttar kumkhali	2	4		N
		Uttar Kumkhali	Uttar kumkhali	4	6		N
	Uttar Kumkhali	Purbo Kumkhali	2	4		N	
Soladana	Khatuamari	Betbunia	8	10		N	

		Sonakhali	Sonakhali	9	11		N
		Charbanda	Charbanda	9	10		N
		Patkel Pota	Baton	8	10		N
		Paschim Vekotmari	Charbanda	8			N
		Purbo vekotmari	Patan	8	10		N
		Narikelta la	Patan	8	10		N
Shamnagar	Koikhali	East Koikhali		0.4		High	Y
		West Koikhali		1.8		High	Y
		Middle Koikhali		2.5		Medium	Y
		Shap Khali		2.5		Medium	Y
		Joya Khali		4		High	Y
		Boish Khali		5		Medium	Y
	Ramnagar	Vate Khali		4		Medium	Y
	Ramjnagar	Tengrakhali		2		High	Y
		Kalinchi		0.7		High	Y
		Golakhal i		0.3		High	Y
	Munshigonj	North Kodomto la		1		Medium	Y
		South Kodomto la		0.2		High	Y
		Dhankhali		1		Low	Y
		Kachu Khali		2.5		Low	Y
		Kultoli		1		Medium	Y
		Harinagar		0.5		High	Y
		Central Kalinagar		0.3		High	Y
		Hetal Khali		1.5		Medium	Y
		Jeil-e Khali		2.5		Low	Y
East Kalinagar			0.5		High	Y	
Mothurapur			0.3		High	Y	
Shinghortoli			0.3		High	Y	
Chunkuri			0.2		High	Y	

	Choto Vatekhal i		4		Medium	Y
	Boro Vatekhal i		4		Low	Y
	Jatindran agar		0.2		High	Y
	Mirgang		0.2		High	Y
	Pershee Khali		1.5		Medium	Y
Burigo alini	Abad Chondipur				High	Y
	Chuna				High	Y
	Bon Bibi tola				High	Y
	Pan Khali				High	Y
	Burigoalini				High	Y
	Kolbari				High	Y
	East Durgabati				Medium	Y
	West Durgabati				Medium	Y
	Datinakhali				High	Y
	Vamia				Medium	Y
	East Porakatla				Medium	Y
	West Porakatla				Medium	Y
Gabura	Kholpetua				Medium	Y
	Gabura				Medium	Y
	Lebu Bunia				Medium	Y
	Jail-e Khali				Medium	Y
	Kholisha Bunia				High	Y
	Tengramari				Medium	Y
	Kagramari				High	Y
	Parsheemari				Medium	Y
	Navidolkhali				Medium	Y
	Chandimukha				High	Y
	9 No Sora				High	Y
	10 No Sora				Medium	Y
Dumuria				High	Y	

	Chalkbar a Middle Khulisha bunia					High High	Y Y
Nurna gar							
Iswari pur	Srifalkat hi	Srifalkat hi	6	7			N
Atulia							
Padma Pukur							

Annexure 4.5: Interface Landscape Wetland Resources

Upazila	Union	Name	Type (canal, River, Beel)	Length KM	Water retaining period	Owner	user	Access to all?	Access fee required?	Maj or resources	
Sarankhola	Southkhali	Terabeka Khal	canal	7	12	Govt		Y	N	Fish	
		Sarankholar Varani khal	canal	6	8	Govt		Y	N	Fish	
		Joler ghatar Khal	canal	6	12	Govt		Y	N	Fish	
		Sonatala Varani Khal	canal	6	12	Govt		Y	N	Fish	
		Baleswar River	River	8	12	Govt		Y	N	Fish	
		Basir Varani Khal	canal	5	12	Govt		Y	N	Fish	
		Bhola Nodi	River	10	12	Govt		Y	Y	Fish	
		Tafalbari Khal	canal	4	12	Govt		Y	N	Fish	
Mongla	Chila	Chila khal									
		Sakhi charan Khal	canal								
		Balir Khal	canal								
		Katakhali khal	canal								
Shamnagar	Iwsharipur	Hasar Khal	canal								
		Dhumkolikhali	canal								
		Aiburi Nodi	River								
		Kadamtoli Nodi	River								
	Garaikhali	Nikarir Khal	canal					n			
		Napti Khal	canal						n		
		Napti Khal	canal						n		
		Zia Khal	canal						n		
		Ghosh Khali Nodi	canal						n		
		Kalibari khal	canal						n		
		Gangrokhi	canal						n		
		Pakhiura	canal						n		
		kathaltala	canal						n		
		Kanakhali	canal						n		
Amirpur Khal		canal						n			
Liner Khal	canal						n				
Modnamara	canal						n				
Total				52							

Annexure 4.6: Stand and Stock Table by Compartment

Baen

No	Co mp	10-12	12-15	15-20 cm	20-25 cm	25-30 cm	30-40 cm	40-50 cm	50-60 cm	60+ cm	Total	10+	12+	15+	20+	25+
1	01			0.000	0.000	0.000	0.1400	0.2200	0.4000	0.3700	1.130	1.130	1.130	1.130	1.130	1.130
2	02			0.000	0.000	0.0900	0.1600	0.1900	0.0000	1.3700	1.810	1.810	1.810	1.810	1.810	1.810
3	03			0.0400	0.0000	0.1700	0.0000	0.3600	0.3200	1.4600	2.350	2.350	2.350	2.350	2.310	2.310
4	04			0.0300	0.0000	0.0900	0.0000	0.0000	0.0000	0.0000	0.120	1.120	0.120	0.120	0.090	0.090
5	05			0.0000	0.2400	0.0700	0.4800	0.0000	0.0000	0.8000	1.590	1.590	1.590	1.590	1.590	1.350
6	06			0.0000	0.0000	0.0000	0.1400	0.0000	0.0000	0.0000	0.140	0.140	0.140	0.140	0.140	0.140
7	07			0.0000	0.1400	0.1000	0.2300	0.0000	0.0000	0.0000	0.470	0.470	0.470	0.470	0.470	0.330
8	08			0.0200	0.0000	0.0600	0.1000	0.0000	0.0000	0.0000	0.190	0.190	0.190	0.190	0.170	0.170
9	09			0.0400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.040	0.040	0.040	0.040	0.000	0.000
10	10			0.0000	0.0000	0.1000	0.0000	0.0000	0.0000	1.4400	1.540	1.540	1.540	1.540	1.540	1.540
11	11			0.0000	0.0000	0.0000	0.2400	0.0000	0.0000	0.0000	0.240	0.240	0.240	0.240	0.240	0.240
12	12 A															
13	12 B			0.0000	0.0000	0.1000	0.0000	0.0000	0.0000	0.0000	0.110	0.110	0.110	0.110	0.110	0.110
14	13			0.0600	0.0000	0.0000	0.3000	0.0000	0.0000	0.0000	0.360	0.360	0.360	0.360	0.300	0.300
15	14			0.0600	0.0000	0.3100	1.0300	0.3200	0.0000	1.1000	2.820	2.820	2.820	2.820	2.760	2.760
16	15			0.0000	0.1000	0.0000	0.4400	1.2700	1.3000	1.0900	4.200	4.200	4.200	4.200	4.200	4.100
17	16			0.0000	0.0000	0.0900	0.3900	0.2500	0.0000	0.0000	0.730	0.730	0.730	0.730	0.730	0.730
18	17			0.1700	0.2000	0.0700	0.4700	0.1900	0.0000	0.0000	1.100	1.100	1.100	1.100	0.930	0.730
19	18			0.0000	0.0000	0.1000	0.2800	0.1200	0.0000	0.0000	0.500	0.500	0.500	0.500	0.500	0.500
20	19			0.0000	0.0300	0.0000	0.0000	0.0000	0.0000	0.0000	0.030	0.030	0.030	0.030	0.030	0.030
21	20			0.0200	0.0000	0.0000	0.0000	0.3100	0.3500	3.3800	4.060	4.060	4.060	4.060	4.040	4.040
22	21			0.0000	0.0000	0.0000	0.0000	0.0000	0.5600	0.0000	0.560	0.560	0.560	0.560	0.560	0.560
23	22			0.0000	0.0000	0.0000	0.2100	0.0000	0.0000	2.7000	2.910	2.910	2.910	2.910	2.910	2.910
24	23			0.0000	0.0000	0.0000	0.0700	0.6000	0.0000	0.0000	0.670	0.670	0.670	0.670	0.670	0.670
25	24			0.0000	0.1000	0.1400	0.2800	0.4100	0.7600	0.7300	2.430	2.430	2.430	2.430	2.430	2.320
26	25			0.0700	0.5500	0.0000	0.1700	0.0000	0.5300	1.0600	2.380	2.380	2.380	2.380	2.310	1.760
27	26			0.0000	0.1000	0.4000	0.2000	0.3000	0.0000	0.0000	1.220	1.220	1.220	1.220	1.220	1.000

				000	700	100	900	500	000	0		20	20	0		50
28	27			0.1 800	0.1 400	0.6 200	0.8 900	0.0 000	0.0 000	0.000 0	1.830	1.8 30	1.8 30	1.83 0	1.650	1.5 10
29	28															
30	29			0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.720 0	0.720	0.7 20	0.7 20	0.72 0	0.720	0.7 20
31	30			0.0 000	0.0 600	0.0 000	0.6 300	2.3 300	0.0 000	0.870 0	3.890	3.8 90	3.8 90	3.89 0	3.890	3.8 30
32	31			0.1 700	0.6 700	0.6 700	1.8 000	2.3 900	0.3 000	0.000 0	6.000	6.0 00	6.0 00	6.00 0	5.830	5.1 60
33	32			0.0 000	0.0 700	0.2 300	0.4 700	0.0 000	2.0 100	1.820 0	4.600	4.6 00	4.6 00	4.60 0	4.600	4.5 30
34	33			0.0 000	0.0 700	0.0 000	0.0 000	1.1 200	0.6 000	1.880 0	3.670	3.6 70	3.6 70	3.67 0	3.670	3.6 00
35	34			0.0 000	0.0 000	0.0 000	0.1 700	0.0 000	0.0 000	1.320 0	1.490	1.4 90	1.4 90	1.49 0	1.490	1.4 90
36	35			0.7 700	2.2 300	1.2 800	1.3 400	1.5 900	1.2 100	6.600 0	15.020	15. 020	15. 020	15.0 20	14.25 0	12. 020
37	36			0.2 800	0.4 100	0.7 900	0.8 100	2.8 600	1.2 700	3.310 0	9.730	9.7 30	9.7 30	9.73 0	9.450	9.0 40
38	37			0.0 500	0.0 000	0.0 800	0.1 700	0.3 800	0.0 000	4.780 0	5.460	5.4 60	5.4 60	5.46 0	5.410	5.4 10
39	38			0.0 700	0.0 000	0.0 800	0.0 000	0.4 200	0.3 100	0.690 0	1.570	1.5 70	1.5 70	1.57 0	1.500	1.5 00
40	39			0.0 200	0.0 000	0.0 700	0.1 800	0.2 000	0.9 800	2.140 0	3.590	3.5 90	3.5 90	3.59 0	3.570	3.5 70
41	40			0.0 800	0.7 600	0.3 600	1.0 300	0.0 000	0.8 400	11.07 00	14.140	14. 140	14. 140	14.1 40	14.06 0	13. 300
42	41			0.0 000	0.0 000	0.1 800	0.7 800	0.8 800	0.2 600	2.500 0	4.600	4.6 00	4.6 00	4.60 0	4.600	4.6 00
43	42			0.0 000	0.0 000	0.0 700	0.0 900	0.0 000	0.0 000	0.000 0	0.160	0.1 60	0.1 60	0.16 0	0.160	0.1 60
44	43			0.2 200	0.0 300	0.2 100	0.1 800	0.1 300	0.2 000	0.250 0	1.220	1.2 20	1.2 20	1.22 0	1.000	0.9 70
45	44															
46	45			0.0 500	0.2 500	0.0 000	0.0 000	0.0 000	0.0 000	0.000 0	0.300	0.3 00	0.3 00	0.30 0	0.250	0.0 00
47	46			0.0 800	0.1 400	0.1 000	0.1 900	0.8 300	0.3 900	2.360 0	4.090	4.0 90	4.0 90	4.09 0	4.010	3.8 70
48	47			0.0 500	0.2 600	0.3 800	0.8 000	0.7 200	0.0 000	1.060 0	3.270	3.2 70	3.2 70	3.27 0	3.220	2.9 60
49	48			0.0 400	0.0 300	0.0 600	0.0 000	0.0 000	0.0 000	0.240 0	0.370	0.3 70	0.3 70	0.37 0	0.330	0.3 00
50	49			0.0 000	0.0 000	0.0 000	0.0 500	0.0 000	0.0 000	0.000 0	0.050	0.0 50	0.0 50	0.05 0	0.050	0.0 50
51	50 A															
52	50 B			0.4 800	0.3 200	0.0 900	0.2 800	0.4 400	0.3 700	0.490 0	2.470	2.4 70	2.4 70	2.47 0	1.990	1.6 70
53	51 A															
54	51 B															
55	52			0.0 200	0.0 200	0.0 000	0.0 000	0.0 000	0.0 000	0.000 0	0.040	0.0 40	0.0 40	0.04 0	0.020	0.0 00
56	53															
57	54			0.0 100	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.630 0	0.640	0.6 40	0.6 40	0.64 0	0.630	0.6 30
58	55															

Gewa

No	Co mp	10-12	12-15	15-20 cm	20-25 cm	25-30 cm	30-40 cm	40-50 cm	50-60 cm	60+ cm	Tot al	10+	12+	15+	20+	25+
1	01	0.6500	0.7600	1.8900	0.7500	0.1800	0.0800	0.0000	0.0000	0.0000	2.900	4.310	3.660	2.900	1.010	0.260
2	02	0.4100	0.4300	1.7800	0.9200	0.3100	0.0000	0.0000	0.0000	0.0000	3.010	3.850	3.440	3.010	1.230	0.310
3	03	0.5200	0.2700	0.9100	0.2300	0.1000	0.1500	0.0000	0.0000	0.0000	1.390	2.180	1.660	1.390	0.480	0.250
4	04	0.4900	0.4100	0.7800	0.9600	0.3900	0.1100	0.0000	0.0000	0.0000	2.240	3.140	2.650	2.240	1.460	0.500
5	05	0.7800	0.7800	2.4700	0.8600	0.0900	0.0000	0.0000	0.0000	0.0000	3.420	4.980	4.200	3.420	0.950	0.090
6	06	0.7500	0.6900	3.9400	2.1000	1.0200	0.3600	0.0000	0.0000	0.0000	7.240	8.860	8.110	7.420	3.480	1.380
7	07	0.6200	0.2100	1.0400	0.2200	0.0500	0.0000	0.0000	0.0000	0.0000	1.310	2.140	1.520	1.310	0.270	0.050
8	08	0.5100	0.3400	1.1700	0.0800	0.0700	0.0000	0.0000	0.0000	0.0000	1.320	2.170	1.660	1.320	0.150	0.070
9	09	0.6300	0.2000	0.6500	0.2500	0.0000	0.0500	0.0000	0.0000	0.0000	0.950	1.780	1.150	0.950	0.300	0.050
10	10	0.5600	0.2000	1.3200	0.3600	0.2900	0.0000	0.0000	0.0000	0.0000	1.970	2.730	2.170	1.970	0.650	0.290
11	11	0.4100	0.1600	0.7400	0.2100	0.1100	0.0000	0.0000	0.0000	0.0000	1.060	1.630	1.220	1.060	0.320	0.110
12	12A	0.7100	0.3900	0.9900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.990	2.090	1.380	0.990	0.000	0.000
13	12B	0.6600	0.2300	1.9500	0.7200	0.1100	0.0000	0.0000	0.0000	0.0000	2.780	3.670	3.010	2.780	0.830	0.110
14	13	0.4100	0.2900	0.4200	0.1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.550	1.250	0.840	0.550	0.130	0.000
15	14	0.6600	0.5100	2.1500	0.2200	0.1500	0.0000	0.0000	0.0000	0.0000	2.590	3.690	3.030	2.520	0.370	0.150
16	15	0.4400	0.2400	2.0900	0.3800	0.1000	0.2000	0.0000	0.0000	0.0000	2.770	3.450	3.010	2.770	0.680	0.300
17	16	0.5700	0.4900	1.4700	0.0000	0.0700	0.1400	0.2000	0.0000	0.0000	1.880	2.940	2.370	1.880	0.410	0.410
18	17	0.4900	0.3400	2.1100	0.1300	0.0000	0.1800	0.0000	0.0000	0.0000	2.420	3.250	2.760	2.420	0.310	0.180
19	18	0.5600	0.4700	1.0600	0.1400	0.0400	0.0000	0.0000	0.0000	0.0000	1.240	2.270	1.710	1.240	0.180	0.040
20	19	0.3600	0.3400	1.5100	0.2900	0.0700	0.0000	0.0000	0.0000	0.0000	1.870	2.570	2.210	1.870	0.360	0.070
21	20	0.3200	0.3700	1.1900	0.0400	0.1300	0.0000	0.0000	0.0000	0.0000	1.360	2.050	1.730	1.360	0.170	0.130
22	21	0.3600	0.3200	2.7000	0.9100	0.1300	0.4700	0.0000	0.0000	0.0000	4.210	4.890	4.530	4.210	1.510	0.600
23	22	0.3700	0.4000	1.4800	0.4300	0.5800	0.0000	0.0000	0.0000	0.0000	2.490	3.260	2.890	2.490	1.010	0.580
24	23	0.4700	0.3900	1.3100	0.3700	0.0000	0.0000	0.0000	0.0000	0.0000	1.680	2.540	2.070	1.680	0.370	0.000
25	24	0.7200	0.4400	2.2700	0.4800	0.4300	0.0000	0.0000	0.0000	0.0000	3.180	4.340	3.620	3.180	0.910	0.430
26	25	0.2100	0.3500	2.3000	1.2000	0.0000	0.0000	0.0000	0.0000	0.0000	3.500	4.060	3.850	3.500	1.200	0.000

27	26	0.3 300	0.3 400	2.2 100	1.4 100	0.5 800	0.1 900	0.0 000	0.0 000	0.0 000	4.3 90	5.0 60	4.730	4.39 0	2.1 80	0.7 70
28	27	0.1 900	0.1 500	1.9 500	0.3 700	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	2.3 20	2.6 60	2.470	2.32 0	0.3 70	0.0 00
29	28	0.6 000	0.3 600	1.6 300	1.7 700	0.3 000	0.4 000	0.0 000	0.0 000	0.0 000	4.1 00	5.6 00	4.460	4.10 0	2.4 70	0.7 00
30	29	0.2 500	0.1 700	1.4 100	0.7 400	0.2 200	0.3 000	0.0 000	0.0 000	0.0 000	2.6 70	3.0 90	2.840	2.67 0	1.2 60	0.5 20
31	30	0.1 100	0.0 700	1.2 100	1.1 500	0.0 000	0.1 400	0.0 000	0.0 000	0.0 000	2.5 00	2.6 80	2.570	2.50 0	1.2 90	0.1 40
32	31	0.2 200	0.2 600	1.9 300	1.7 600	1.7 800	0.9 000	0.0 000	0.0 000	0.0 000	6.3 70	6.8 50	6.630	6.37 0	4.4 40	2.6 80
33	32	0.1 600	0.2 200	0.6 900	0.2 000	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.8 90	1.2 70	1.110	0.89 0	0.2 00	0.0 00
34	33	0.2 300	0.2 200	1.0 800	0.2 400	0.1 100	0.0 000	0.0 000	0.0 000	0.0 000	1.4 30	1.8 80	1.650	1.43 0	0.3 50	0.1 10
35	34	0.2 900	0.2 700	0.8 000	0.0 000	0.2 500	0.0 000	0.0 000	0.0 000	0.0 000	1.0 50	1.6 10	1.320	1.05 0	0.2 50	0.2 50
36	35	0.4 300	0.3 700	0.5 300	0.1 200	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.6 50	1.4 50	1.020	0.65 0	0.1 20	0.0 00
37	36	0.5 900	0.4 900	2.6 300	1.0 700	0.8 000	0.0 000	0.0 000	0.0 000	0.0 000	3.7 80	4.8 60	4.270	3.78 0	1.1 50	0.0 80
38	37	0.8 100	1.0 300	4.4 100	1.2 900	0.3 300	0.0 000	0.0 000	0.0 000	0.0 000	6.0 30	7.8 70	7.060	6.03 0	1.6 20	0.3 30
39	38	0.6 000	0.5 200	1.4 000	0.3 100	0.0 800	0.0 000	0.0 000	0.0 000	0.0 000	1.7 90	2.9 10	2.310	1.79 0	0.3 90	0.0 80
40	39	0.7 700	0.6 000	3.0 000	0.5 700	0.2 700	0.0 000	0.0 000	0.0 000	0.0 000	3.8 40	5.2 10	4.440	3.84 0	0.8 40	0.2 70
41	40	0.6 800	0.9 000	3.3 400	0.3 200	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	3.6 60	5.2 40	4.560	3.66 0	0.3 20	0.0 00
42	41	0.5 500	0.6 800	1.3 600	0.5 100	0.0 700	0.0 000	0.0 000	0.0 000	0.0 000	1.9 40	3.1 70	2.620	1.94 0	0.5 80	0.0 00
43	42	0.7 900	0.4 200	1.1 400	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	1.1 40	2.3 50	1.560	1.14 0	0.0 00	0.0 70
44	43	0.6 500	0.7 500	3.2 700	1.6 700	0.4 100	0.0 000	0.0 000	0.0 000	0.0 000	5.3 50	6.7 50	6.100	5.35 0	2.0 80	0.0 00
45	44	0.5 800	0.7 300	6.4 300	3.3 200	0.6 900	0.1 200	0.0 000	0.0 000	0.0 000	10. 560	11. 870	11.29 0	10.5 60	4.1 30	0.4 10
46	45	0.6 900	0.5 000	1.4 900	0.3 900	0.2 400	0.0 000	0.0 000	0.0 000	0.0 000	2.1 20	3.3 10	2.620	2.12 0	0.6 30	0.8 10
47	46	0.8 000	0.5 100	0.6 600	0.1 100	0.0 000	0.2 200	0.0 000	0.0 000	0.0 000	0.9 90	2.3 00	1.500	0.99 0	0.3 30	0.2 40

48	47	0.7 100	0.5 100	0.8 400	0.2 400	0.0 500	0.0 900	0.0 000	0.0 000	0.0 000	1.2 20	2.4 40	1.730	1.22 0	0.3 80	0.2 20
49	48	0.5 200	0.2 700	1.0 200	0.1 000	0.0 600	0.0 000	0.0 000	0.0 000	0.0 000	1.1 80	1.9 70	1.450	1.18 0	0.1 60	0.1 40
50	49	0.8 400	0.4 800	1.9 500	0.3 200	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	2.2 70	3.5 90	2.750	2.27 0	0.3 20	0.0 60
51	50 A	0.4 300	0.3 500	2.9 800	0.3 100	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	3.2 90	4.0 70	3.640	3.29 0	0.3 10	0.0 00
52	50 B	1.2 400	1.4 600	4.0 100	0.6 200	0.2 100	0.0 000	0.0 000	0.0 000	0.0 000	4.8 40	7.5 40	6.300	4.84 0	0.8 30	0.0 00
53	51 A	0.7 500	1.5 400	4.5 300	1.8 000	0.1 900	0.5 200	0.0 000	0.0 000	0.0 000	7.0 40	9.3 30	8.580	7.04 0	2.5 10	0.2 10
54	51 B	0.7 500	0.6 600	2.1 700	0.2 200	0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	2.3 90	3.8 00	3.050	2.39 0	0.2 20	0.7 10
55	52	1.1 400	0.7 900	1.2 600	0.1 700	0.0 500	0.0 000	0.0 000	0.0 000	0.0 000	1.4 80	3.4 10	2.270	1.48 0	0.2 20	0.0 00
56	53	0.6 600	0.9 900	3.6 500	0.7 400	0.3 100	0.1 900	0.0 000	0.0 000	0.0 000	4.8 90	6.5 40	5.880	4.89 0	1.2 40	0.0 50
57	54	0.7 500	0.7 700	3.5 100	0.8 700	0.0 900	0.0 000	0.0 000	0.0 000	0.0 000	4.4 70	5.9 90	5.240	4.47 0	0.9 60	0.0 90
58	55	0.9 000	0.6 300	1.9 400	0.1 900	0.0 700	0.0 000	0.0 000	0.0 000	0.0 000	2.2 00	3.7 30	2.830	2.20 0	0.2 60	0.0 70

Keora

No	Co mp	10-12	12-15	15-20 cm	20-25 cm	25-30 cm	30-40 cm	40-50 cm	50-60 cm	60+ cm	Total	10+	12+	15+	20+	25+
1	01			0.0 000	0.0 000	0.0 700	0.2 900	2.0 400	1.16 00	0.450 0	4.0 10	4.0 10	4.0 10	4.0 10	4.0 10	4.0 10
2	02			0.0 000	0.0 000	0.0 000	0.0 000	0.4 200	0.50 00	2.500 0	3.4 20	3.4 20	3.4 20	3.4 20	3.4 20	3.4 20
3	03															
4	04															
5	05															
6	06			0.1 300	0.1 600	0.1 200	3.4 400	4.0 400	2.47 00	0.790 0	11. 150	11. 150	11. 150	11. 150	11. 020	10. 860
7	07			0.3 500	0.6 900	0.2 100	0.0 000	0.0 000	0.00 00	0.000 0	1.2 50	1.2 50	1.2 50	1.2 50	0.9 00	0.2 10
8	08			0.3 700	0.7 100	0.8 000	1.4 700	1.1 400	0.27 00	0.320 0	5.0 80	5.0 80	5.0 80	5.0 80	4.7 10	4.0 00
9	09			0.0 000	0.0 400	0.0 600	0.0 000	0.0 000	0.00 00	0.000 0	0.1 00	0.1 00	0.1 00	0.1 00	0.1 00	0.0 60
10	10															
11	11			0.1 200	0.1 000	0.0 000	3.4 500	6.2 500	0.00 00	0.000 0	9.9 20	9.9 20	9.9 20	9.9 20	9.8 00	9.7 00
12	12 A															
13	12 B															
14	13			0.0	0.0	0.0	0.0	0.4	0.00	0.700	1.1	1.1	1.1	1.1	1.1	1.1

				000	000	000	000	500	00	0	50	50	50	50	50	50
15	14															
16	15															
17	16															
18	17			0.3 200	0.5 700	0.7 100	5.1 700	2.6 200	0.86 00	0.530 0	10. 780	10. 780	10. 780	10. 780	10. 460	9.8 90
19	18			0.0 000	0.0 000	0.0 000	0.2 600	0.6 400	0.00 00	0.340 0	1.2 40	1.2 40	1.2 40	1.2 0	1.2 40	1.2 40
20	19			0.0 500	0.2 100	0.7 500	0.6 100	0.3 600	0.00 00	0.000 0	1.9 80	1.9 80	1.9 80	1.9 80	1.9 30	1.7 20
21	20			0.0 200	0.0 000	0.0 700	0.0 000	0.3 300	0.00 00	0.610 0	1.0 30	1.0 30	1.0 30	1.0 30	1.0 10	1.0 10
22	21															
23	22															
24	23															
25	24															
26	25															
27	26															
28	27			0.0 800	0.1 800	0.1 700	0.0 000	0.0 000	0.00 00	0.000 0	0.4 30	0.4 30	0.4 30	0.4 30	0.3 50	0.1 70
29	28															
30	29			0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.00 00	0.880 0	0.8 80	0.8 80	0.8 80	0.8 80	0.8 80	0.8 80
31	30															
32	31															
33	32															
34	33															
35	34															
36	35			0.0 100	0.0 700	0.5 200	0.5 600	1.1 100	0.55 00	0.720 0	3.5 40	3.5 40	3.5 40	3.5 40	3.5 30	3.4 60
37	36			0.0 000	0.0 000	0.2 000	0.0 000	0.0 000	0.00 00	0.000 0	0.2 00	0.2 00	0.2 00	0.2 00	0.2 00	0.2 00
38	37															
39	38			0.0 500	0.2 200	0.1 000	0.2 300	0.4 100	0.00 00	0.000 0	1.0 10	1.0 10	1.0 10	1.0 10	0.9 60	0.7 40
40	39															
41	40			0.0 000	0.2 400	0.1 900	0.4 800	0.0 000	0.00 00	4.140 0	5.0 50	5.0 50	5.0 50	5.0 50	5.0 50	4.8 10
42	41			0.0 000	0.2 000	0.2 000	0.4 800	0.6 400	0.00 00	0.000 0	1.5 20	1.5 20	1.5 20	1.5 20	1.5 20	1.3 20
43	42															
44	43			0.0 500	0.2 400	0.6 000	1.4 400	0.4 100	0.34 00	0.000 0	3.0 80	3.0 80	3.0 80	3.0 80	3.0 30	2.7 90
45	44			0.2 700	0.4 900	0.1 100	1.0 400	0.6 200	0.00 00	0.000 0	2.5 30	2.5 30	2.5 30	2.5 30	2.2 60	1.7 70
46	45			0.0 000	0.3 400	0.4 900	2.7 800	3.3 700	1.90 00	0.000 0	8.8 80	8.8 80	8.8 80	8.8 80	8.8 80	8.5 40
47	46			0.0 000	0.0 000	0.0 000	0.0 000	0.0 000	0.00 00	0.490 0	0.4 90	0.4 90	0.4 90	0.4 90	0.4 90	0.4 90
48	47			0.0 000	0.0 000	0.0 000	0.1 700	0.3 900	0.00 00	0.000 0	0.5 60	0.5 60	0.5 60	0.5 60	0.5 60	0.5 60
49	48			0.0 000	0.0 400	0.1 600	0.1 200	0.9 200	0.00 00	0.000 0	1.2 40	1.2 40	1.2 40	1.2 40	1.2 40	1.2 00
50	49															
51	50 A			4.0 700	6.3 800	2.3 500	0.0 000	0.0 000	0.00 00	0.000 0	12. 800	12. 800	12. 800	12. 800	8.7 30	2.3 50
52	50 B															
53	51 A															
54	51 B															

55	52			0.0 200	0.0 400	0.0 000	0.0 000	0.0 000	0.29 00	0.000 0	0.3 50	0.3 50	0.3 50	0.3 50	0.3 30	0.2 90
56	53															
57	54			0.2 800	0.2 500	0.2 700	0.6 100	0.6 500	0.62 00	0.450 0	3.1 30	3.1 30	3.1 30	3.1 30	2.8 50	2.6 00
58	55															

Annexure 4.7: Growth Data from PSPs

Sundari

No	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Class							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
2	2-Pr WS	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
3	3	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
4	4- EWS	3	0.09809	0.82279	0.3903	0.1137	0.05757	0.01489	0.00327	0.01081
5	5- EWS	3	0.09809	0.82279	0.3903	0.1137	0.05757	0.01489	0.00327	0.01081
6	6-EWS	3	0.09809	0.82279	0.3903	0.1137	0.05757	0.01489	0.00327	0.01081
7	7-EWS (p)	3	0.09809	0.82279	0.3903	0.1137	0.05757	0.01489	0.00327	0.01081
8	8	3	0.09809	0.82279	0.3903	0.1137	0.05757	0.01489	0.00327	0.01081
9	9	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
10	10	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
11	11	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
12	12A	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
13	12B	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
14	13	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
15	14	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
16	15	2	0.0396	0.40593	0.35492	0.43616	0.54521	0.1832	0.02428	0.03554
17	16	5.2	0.01098	0.2387	0.29192	0.26942	0.14316	0.01197		
18	17	5.2	0.01098	0.2387	0.29192	0.26942	0.14316	0.01197		
19	18	6	0.00958	0.13218	0.16333	0.00355	0.00129			
20	19	6	0.00958	0.13218	0.16333	0.00355	0.00129			
21	20	5.2	0.01098	0.2387	0.29192	0.26942	0.14316	0.01197		
22	21	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
23	22	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
24	23	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
25	24	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
26	25	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
27	26	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
28	27	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
29	28	1	0.08048	0.63094	0.46106	0.26152	0.13791	0.05066	0.02234	
30	29	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
31	30	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
32	31	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
33	32	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
34	33	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
35	34	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
36	35	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
37	36	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
38	37	5.2	0.01098	0.2387	0.29192	0.26942	0.14316	0.01197		
39	38	5.2	0.01098	0.2387	0.29192	0.26942	0.14316	0.01197		
40	39	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
41	40	4	0.06115	0.43602	0.31655	0.25709	0.43705	0.07831	0.00987	
42	41	5.1	0.03169	0.03929	0.00932	0.0007				
43	42	6	0.00958	0.13218	0.16333	0.00355	0.00129			
44	43-SWS	6	0.00958	0.13218	0.16333	0.00355	0.00129			
45	44-SWS	6	0.00958	0.13218	0.16333	0.00355	0.00129			
46	45	3	0.09809	0.82279	0.3903	0.1137	0.05757	0.01489	0.00327	0.01081
47	46	5.1	0.03169	0.03929	0.00932	0.0007				
48	47	5.2	0.01098	0.2387	0.29192	0.26942	0.14316	0.01197		
49	48	7	0.00378	0.0121	0.00386					

50	49- WWS (p)	7	0.00378	0.0121	0.00386					
51	50A	7	0.00378	0.0121	0.00386					
52	50B	7	0.00378	0.0121	0.00386					
53	51A	7	0.00378	0.0121	0.00386					
54	51B	7	0.00378	0.0121	0.00386					
55	52	6	0.00958	0.13218	0.16333	0.00355	0.00129			
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								
Stratum Total 95										

No	Comp No.	Block	Diameter Increment (cu.m./ha/yr) by Diameter Class							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
2	2-Pr WS	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
3	3	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
4	4- EWS	3	0.13548	0.14331	0.18033	0.13274	0.16815	0.14997	0.10907	0.27268
5	5- EWS	3	0.13548	0.14331	0.18033	0.13274	0.16815	0.14997	0.10907	0.27268
6	6-EWS	3	0.13548	0.14331	0.18033	0.13274	0.16815	0.14997	0.10907	0.27268
7	7-EWS (p)	3	0.13548	0.14331	0.18033	0.13274	0.16815	0.14997	0.10907	0.27268
8	8	3	0.13548	0.14331	0.18033	0.13274	0.16815	0.14997	0.10907	0.27268
9	9	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
10	10	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
11	11	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
12	12A	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
13	12B	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
14	13	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
15	14	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
16	15	2	0.11008	0.09136	0.13622	0.20706	0.24107	0.23345	0.0447	0.38092
17	16	5.2	0.08054	0.0845	0.09047	0.09896	0.10047	0.1353		
18	17	5.2	0.08054	0.0845	0.09047	0.09896	0.10047	0.1353		
19	18	6	0.06915	0.04557	0.04746	0.00568	0.0078			
20	19	6	0.06915	0.04557	0.04746	0.00568	0.0078			
21	20	5.2	0.08054	0.0845	0.09047	0.09896	0.10047	0.1353		
22	21	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
23	22	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
24	23	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
25	24	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
26	25	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
27	26	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
28	27	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
29	28	1	0.16567	0.16444	0.19499	0.1391	0.15328	0.19557	0.36525	
30	29	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
31	30	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
32	31	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
33	32	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
34	33	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
35	34	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
36	35	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
37	36	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
38	37	5.2	0.08054	0.0845	0.09047	0.09896	0.10047	0.1353		
39	38	5.2	0.08054	0.0845	0.09047	0.09896	0.10047	0.1353		
40	39	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	

41	40	4	0.15082	0.12452	0.14042	0.09925	0.12868	0.07664	0.10039	
42	41	5.1	0.68868	0.12734	0.00065	0.00325				
43	42	6	0.06915	0.04557	0.04746	0.00568	0.0078			
44	43-SWS	6	0.06915	0.04557	0.04746	0.00568	0.0078			
45	44-SWS	6	0.06915	0.04557	0.04746	0.00568	0.0078			
46	45	3	0.13548	0.14331	0.18033	0.13274	0.16815	0.14997	0.10907	0.27268
47	46	5.1	0.68868	0.12734	0.00065	0.00325				
48	47	5.2	0.08054	0.0845	0.09047	0.09896	0.10047	0.1353		
49	48	7	0.11362	0.02517	0.05702					
50	49- WWS (p)	7	0.11362	0.02517	0.05702					
51	50A	7	0.11362	0.02517	0.05702					
52	50B	7	0.11362	0.02517	0.05702					
53	51A	7	0.11362	0.02517	0.05702					
54	51B	7	0.11362	0.02517	0.05702					
55	52	6	0.06915	0.04557	0.04746	0.00568	0.0078			
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								

Gewa

No	Comp No.	Bloc k	Volume Increment (cu.m./ha/yr) by Diameter Class							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1	0.15499	0.9289	0.33184	0.02464	0.00304			
2	2-Pr WS	1	0.15499	0.9289	0.33184	0.02464	0.00304			
3	3	2	0.10156	0.3729	0.17285	0.00717				
4	4- EWS	3	0.14057	0.6414	0.33679	0.0716	0.02228			
5	5- EWS	3	0.14057	0.6414	0.33679	0.0716	0.02228			
6	6-EWS	3	0.14057	0.6414	0.33679	0.0716	0.02228			
7	7-EWS (p)	3	0.14057	0.6414	0.33679	0.0716	0.02228			
8	8	3	0.14057	0.6414	0.33679	0.0716	0.02228			
9	9	2	0.10156	0.3729	0.17285	0.00717				
10	10	2	0.10156	0.3729	0.17285	0.00717				
11	11	2	0.10156	0.3729	0.17285	0.00717				
12	12A	2	0.10156	0.3729	0.17285	0.00717				
13	12B	2	0.10156	0.3729	0.17285	0.00717				
14	13	1	0.15499	0.9289	0.33184	0.02464	0.00304			
15	14	1	0.15499	0.9289	0.33184	0.02464	0.00304			
16	15	2	0.10156	0.3729	0.17285	0.00717				
17	16	5.2	0.3304	1.02985	0.09597	0.00699				
18	17	5.2	0.3304	1.02985	0.09597	0.00699				
19	18	6	0.1633	0.73436	0.19211	0.01484	0.00512			
20	19	6	0.1633	0.73436	0.19211	0.01484	0.00512			
21	20	5.2	0.3304	1.02985	0.09597	0.00699				
22	21	1	0.15499	0.9289	0.33184	0.02464	0.00304			
23	22	1	0.15499	0.9289	0.33184	0.02464	0.00304			
24	23	1	0.15499	0.9289	0.33184	0.02464	0.00304			
25	24	1	0.15499	0.9289	0.33184	0.02464	0.00304			
26	25	1	0.15499	0.9289	0.33184	0.02464	0.00304			
27	26	1	0.15499	0.9289	0.33184	0.02464	0.00304			
28	27	1	0.15499	0.9289	0.33184	0.02464	0.00304			
29	28	1	0.15499	0.9289	0.33184	0.02464	0.00304			
30	29	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		

31	30	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
32	31	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
33	32	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
34	33	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
35	34	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
36	35	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
37	36	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
38	37	5.2	0.3304	1.02985	0.09597	0.00699				
39	38	5.2	0.3304	1.02985	0.09597	0.00699				
40	39	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
41	40	4	0.12608	0.75543	0.3555	0.03596	0.00463	0.01371		
42	41	5.1	0.40758	1.50469	0.12075	0.00209				
43	42	6	0.1633	0.73436	0.19211	0.01484	0.00512			
44	43-SWS	6	0.1633	0.73436	0.19211	0.01484	0.00512			
45	44-SWS	6	0.1633	0.73436	0.19211	0.01484	0.00512			
46	45	3	0.14057	0.6414	0.33679	0.0716	0.02228			
47	46	5.1	0.40758	1.50469	0.12075	0.00209				
48	47	5.2	0.3304	1.02985	0.09597	0.00699				
49	48	7	0.08967	0.62212	0.45647	0.11462	0.02538	0.00918	0.00615	
50	49-WWS (p)	7	0.08967	0.62212	0.45647	0.11462	0.02538	0.00918	0.00615	
51	50A	7	0.08967	0.62212	0.45647	0.11462	0.02538	0.00918	0.00615	
52	50B	7	0.08967	0.62212	0.45647	0.11462	0.02538	0.00918	0.00615	
53	51A	7	0.08967	0.62212	0.45647	0.11462	0.02538	0.00918	0.00615	
54	51B	7	0.08967	0.62212	0.45647	0.11462	0.02538	0.00918	0.00615	
55	52	6	0.1633	0.73436	0.19211	0.01484	0.00512			
56	53-WWS	8								
57	54-WWS	8								
58	55-WWS	8								

No	Comp No.	Bloc k	Diameter Increment (cu.m./ha/yr) by Diameter Class									
			0-5	5-10	10-15	15-20	20-25	25-30	30-35			
1	1-Pr WS	1	0.14856	0.17031	0.18176	0.11058	0.42892					
2	2-Pr WS	1	0.14856	0.17031	0.18176	0.11058	0.42892					
3	3	2	0.24488	0.16656	0.11996	0.02267						
4	4-EWS	3	0.1341	0.11441	0.09995	0.18368	0.27495					
5	5-EWS	3	0.1341	0.11441	0.09995	0.18368	0.27495					
6	6-EWS	3	0.1341	0.11441	0.09995	0.18368	0.27495					
7	7-EWS (p)	3	0.1341	0.11441	0.09995	0.18368	0.27495					
8	8	3	0.1341	0.11441	0.09995	0.18368	0.27495					
9	9	2	0.24488	0.16656	0.11996	0.02267						
10	10	2	0.24488	0.16656	0.11996	0.02267						
11	11	2	0.24488	0.16656	0.11996	0.02267						
12	12A	2	0.24488	0.16656	0.11996	0.02267						
13	12B	2	0.24488	0.16656	0.11996	0.02267						
14	13	1	0.14856	0.17031	0.18176	0.11058	0.42892					
15	14	1	0.14856	0.17031	0.18176	0.11058	0.42892					
16	15	2	0.24488	0.16656	0.11996	0.02267						
17	16	5.2	0.16071	0.15499	0.10824	0.11636						
18	17	5.2	0.16071	0.15499	0.10824	0.11636						
19	18	6	0.09308	0.0973	0.1105	0.21115	0.2209					
20	19	6	0.09308	0.0973	0.1105	0.21115	0.2209					
21	20	5.2	0.16071	0.15499	0.10824	0.11636						

22	21	1	0.14856	0.17031	0.18176	0.11058	0.42892			
23	22	1	0.14856	0.17031	0.18176	0.11058	0.42892			
24	23	1	0.14856	0.17031	0.18176	0.11058	0.42892			
25	24	1	0.14856	0.17031	0.18176	0.11058	0.42892			
26	25	1	0.14856	0.17031	0.18176	0.11058	0.42892			
27	26	1	0.14856	0.17031	0.18176	0.11058	0.42892			
28	27	1	0.14856	0.17031	0.18176	0.11058	0.42892			
29	28	1	0.14856	0.17031	0.18176	0.11058	0.42892			
30	29	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
31	30	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
32	31	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
33	32	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
34	33	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
35	34	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
36	35	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
37	36	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
38	37	5.2	0.16071	0.15499	0.10824	0.11636				
39	38	5.2	0.16071	0.15499	0.10824	0.11636				
40	39	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
41	40	4	0.19613	0.19148	0.16666	0.10431	0.15947	1.55416		
42	41	5.1	0.14969	0.14256	0.06733	0.05198				
43	42	6	0.09308	0.09732	0.1105	0.21115	0.2209			
44	43-SWS	6	0.09308	0.09732	0.1105	0.21115	0.2209			
45	44-SWS	6	0.09308	0.09732	0.1105	0.21115	0.2209			
46	45	3	0.1341	0.11441	0.09995	0.18368	0.27495			
47	46	5.1	0.14969	0.14256	0.06733	0.05198				
48	47	5.2	0.16071	0.15499	0.10824	0.11636				
49	48	7	0.11424	0.10352	0.11861	0.16505	0.15405	0.32227	0.17353	
50	49-WWS (p)	7	0.11424	0.10352	0.11861	0.16505	0.15405	0.32227	0.17353	
51	50A	7	0.11424	0.10352	0.11861	0.16505	0.15405	0.32227	0.17353	
52	50B	7	0.11424	0.10352	0.11861	0.16505	0.15405	0.32227	0.17353	
53	51A	7	0.11424	0.10352	0.11861	0.16505	0.15405	0.32227	0.17353	
54	51B	7	0.11424	0.10352	0.11861	0.16505	0.15405	0.32227	0.17353	
55	52	6	0.09308	0.09732	0.1105	0.21115	0.2209			
56	53-WWS	8								
57	54-WWS	8								
58	55-WWS	8								

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No	Comp No.	Bloc k	Volume Increment (cu.m./ha/yr) by Diameter Class							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1		0.00577	0.0044	0.00086	0.01015			
2	2-Pr WS	1		0.00577	0.0044	0.00086	0.01015			
3	3	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053
4	4-EWS	3								
5	5-EWS	3								
6	6-EWS	3								
7	7-EWS (p)	3								
8	8	3								
9	9	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053

10	10	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053
11	11	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053
12	12A	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053
13	12B	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053
14	13	1		0.00577	0.0044	0.00086	0.01015			
15	14	1		0.00577	0.0044	0.00086	0.01015			
16	15	2		0.01496	0.00377	0.01866	0.01929	0.00724	0.00406	0.02053
17	16	5.2								0.00849
18	17	5.2								0.00849
19	18	6								
20	19	6								
21	20	5.2								0.00849
22	21	1		0.00577	0.0044	0.00086	0.01015			
23	22	1		0.00577	0.0044	0.00086	0.01015			
24	23	1		0.00577	0.0044	0.00086	0.01015			
25	24	1		0.00577	0.0044	0.00086	0.01015			
26	25	1		0.00577	0.0044	0.00086	0.01015			
27	26	1		0.00577	0.0044	0.00086	0.01015			
28	27	1		0.00577	0.0044	0.00086	0.01015			
29	28	1		0.00577	0.0044	0.00086	0.01015			
30	29	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
31	30	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
32	31	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
33	32	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
34	33	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
35	34	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
36	35	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
37	36	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
38	37	5.2								0.00849
39	38	5.2								0.00849
40	39	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
41	40	4		0.00026	0.0032	0.0368	0.02651	0.00385	0.01045	0.07473
42	41	5.1								
43	42	6								
44	43-SWS	6								
45	44-SWS	6								
46	45	3								
47	46	5.1								
48	47	5.2								0.00849
49	48	7								
50	49- WWS (p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								

No	Comp No.	Bloc k	Diameter Increment (cu.m./ha/yr) by Diameter Class								
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+	
1	1-Pr WS	1		0.78412	1.03208	0.20106	0.69029			0.22786	0.21595
2	2-Pr WS	1		0.78412	1.03208	0.20106	0.69029			0.22786	0.21595

3	3	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
4	4- EWS	3								
5	5- EWS	3								
6	6-EWS	3								
7	7-EWS (p)	3								
8	8	3								
9	9	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
10	10	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
11	11	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
12	12A	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
13	12B	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
14	13	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
15	14	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
16	15	2		0.51696	0.20046	0.23127	0.53736	0.3401	0.16325	0.36051
17	16	5.2								0.28413
18	17	5.2								0.28413
19	18	6								
20	19	6								
21	20	5.2								0.28413
22	21	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
23	22	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
24	23	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
25	24	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
26	25	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
27	26	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
28	27	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
29	28	1		0.78412	1.03208	0.20106	0.69029		0.22786	0.21595
30	29	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
31	30	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
32	31	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
33	32	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
34	33	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
35	34	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
36	35	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
37	36	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
38	37	5.2								0.28413
39	38	5.2								0.28413
40	39	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
41	40	4		0.25677	0.47976	0.57744	0.89871	0.47301	1.08116	2.9051
42	41	5.1								
43	42	6								
44	43-SWS	6								
45	44-SWS	6								
46	45	3								
47	46	5.1								
48	47	5.2								0.28413
49	48	7								
50	49- WWS (p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53- WWS	8								
57	54- WWS	8								
58	55-	8								

	WWS									
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Passur

No	Comp No.	Bloc k	Volume Increment (cu.m./ha/yr) by Diameter Class							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
2	2-Pr WS	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
3	3	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
4	4- EWS	3		0.01086	0.00637	0.00772	0.02994			
5	5- EWS	3		0.01086	0.00637	0.00772	0.02994			
6	6-EWS	3		0.01086	0.00637	0.00772	0.02994			
7	7-EWS (p)	3		0.01086	0.00637	0.00772	0.02994			
8	8	3		0.01086	0.00637	0.00772	0.02994			
9	9	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
10	10	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
11	11	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
12	12A	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
13	12B	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
14	13	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
15	14	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
16	15	2	0.00039	0.00602	0.04582	0.01942	0.01422	0.00345	0.0064	0.00878
17	16	5.2				0.0068	0.02613	0.03508		
18	17	5.2				0.0068	0.02613	0.03508		
19	18	6		0.01485		0.01156	0.00542			0.01411
20	19	6		0.01485		0.01156	0.00542			0.01411
21	20	5.2				0.0068	0.02613	0.03508		
22	21	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
23	22	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
24	23	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
25	24	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
26	25	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
27	26	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
28	27	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
29	28	1	0.00056	0.00417	0.01721	0.01243	0.00755	0.00228	0.01291	
30	29	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
31	30	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
32	31	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
33	32	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
34	33	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
35	34	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
36	35	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
37	36	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
38	37	5.2				0.0068	0.02613	0.03508		
39	38	5.2				0.0068	0.02613	0.03508		
40	39	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
41	40	4		0.01891	0.01407	0.03542	0.0469	0.03574	0.0473	0.00666
42	41	5.1								
43	42	6		0.01485		0.01156	0.00542			0.01411
44	43-SWS	6		0.01485		0.01156	0.00542			0.01411
45	44-SWS	6		0.01485		0.01156	0.00542			0.01411
46	45	3		0.01086	0.00637	0.00772	0.02994			
47	46	5.1								
48	47	5.2				0.0068	0.02613	0.03508		
49	48	7								
50	49-WWS	7								

	(p)									
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6		0.01485		0.01156	0.00542			0.01411
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								

No	Comp No.	Bloc k	Diameter Increment (cu.m./ha/yr) by Diameter Class							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
2	2-Pr WS	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
3	3	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
4	4- EWS	3		0.37357	0.3204	0.14656	0.31631			
5	5- EWS	3		0.37357	0.3204	0.14656	0.31631			
6	6-EWS	3		0.37357	0.3204	0.14656	0.31631			
7	7-EWS (p)	3		0.37357	0.3204	0.14656	0.31631			
8	8	3		0.37357	0.3204	0.14656	0.31631			
9	9	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
10	10	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
11	11	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
12	12A	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
13	12B	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
14	13	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
15	14	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
16	15	2	0.16325	0.39906	0.33874	0.19273	0.11972	0.13604	0.20406	0.27208
17	16	5.2				0.36532	0.36081	0.42846		
18	17	5.2				0.36532	0.36081	0.42846		
19	18	6		0.31619		0.2079	0.16892			0.28587
20	19	6		0.31619		0.2079	0.16892			0.28587
21	20	5.2				0.36532	0.36081	0.42846		
22	21	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
23	22	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
24	23	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
25	24	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
26	25	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
27	26	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
28	27	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
29	28	1	0.42892	0.45908	0.3552	0.26233	0.26807	0.20106	0.27142	
30	29	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
31	30	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
32	31	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
33	32	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
34	33	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
35	34	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
36	35	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
37	36	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
38	37	5.2				0.36532	0.36081	0.42846		
39	38	5.2				0.36532	0.36081	0.42846		
40	39	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
41	40	4		0.30858	0.18498	0.21363	0.26965	0.20851	0.31811	0.21623
42	41	5.1								

43	42	6		0.31619		0.2079	0.16892			0.28587
44	43-SWS	6		0.31619		0.2079	0.16892			0.28587
45	44-SWS	6		0.31619		0.2079	0.16892			0.28587
46	45	3		0.37357	0.3204	0.14656	0.31631			
47	46	5.1								
48	47	5.2				0.36532	0.36081	0.42846		
49	48	7								
50	49- WWS (p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6		0.31619		0.2079	0.16892			0.28587
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								

Keora

No.	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Classes							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1								
2	2-Pr WS	1								
3	3	2		0.22979						0.06812
4	4-EWS	3								
5	5-EWS	3								
6	6-EWS	3								
7	7-EWS (p)	3								
8	8	3								
9	9	2		0.22979						0.06812
10	10	2		0.22979						0.06812
11	11	2		0.22979						0.06812
12	12A	2		0.22979						0.06812
13	12B	2		0.22979						0.06812
14	13	1								
15	14	1								
16	15	2		0.22979						0.22979
17	16	5.2								
18	17	5.2								
19	18	6								
20	19	6								
21	20	5.2								
22	21	1								
23	22	1								
24	23	1								
25	24	1								
26	25	1								
27	26	1								
28	27	1								

29	28	1								
30	29	4								
31	30	4								
32	31	4								
33	32	4								
34	33	4								
35	34	4								
36	35	4								
37	36	4								
38	37	5.2								
39	38	5.2								
40	39	4								
41	40	4								
42	41	5.1								
43	42	6								
44	43- SWS	6								
45	44- SWS	6								
46	45	3								
47	46	5.1								
48	47	5.2								
49	48	7								
50	49- WWS(p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53-WWS	8								
57	54-WWS	8								
58	55-WWS	8								
No.	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Classes							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1								
2	2-Pr WS	1								
3	3	2			2.85688					0.04276
4	4-EWS	3								
5	5-EWS	3								
6	6-EWS	3								
7	7-EWS (p)	3								
8	8	3								
9	9	2			2.85688					0.04276
10	10	2			2.85688					0.04276
11	11	2			2.85688					0.04276
12	12A	2			2.85688					0.04276
13	12B	2			2.85688					0.04276
14	13	1								
15	14	1								
16	15	2								
17	16	5.2								

18	17	5.2								
19	18	6								
20	19	6								
21	20	5.2								
22	21	1								
23	22	1								
24	23	1								
25	24	1								
26	25	1								
27	26	1								
28	27	1								
29	28	1								
30	29	4								
31	30	4								
32	31	4								
33	32	4								
34	33	4								
35	34	4								
36	35	4								
37	36	4								
38	37	5.2								
39	38	5.2								
40	39	4								
41	40	4								
42	41	5.1								
43	42	6								
44	43- SWS	6								
45	44- SWS	6								
46	45	3								
47	46	5.1								
48	47	5.2								
49	48	7								
50	49- WWS(p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								

55	52	6							
56	53-WWS	8							
57	54-WWS	8							
58	55-WWS	8							

Kankra

N o.	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Classes							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1								
2	2-Pr WS	1								
3	3	2	0.00029	0.00036	0.00583					
4	4-EWS	3								
5	5-EWS	3								
6	6-EWS	3								
7	7-EWS (p)	3								
8	8	3								
9	9	2	0.00029	0.00036	0.00583					
10	10	2	0.00029	0.00036	0.00583					
11	11	2	0.00029	0.00036	0.00583					
12	12A	2	0.00029	0.00036	0.00583					
13	12B	2	0.00029	0.00036	0.00583					
14	13	1								
15	14	1								
16	15	2	0.00029	0.00036	0.00583					
17	16	5.2								
18	17	5.2								
19	18	6								
20	19	6								
21	20	5.2								
22	21	1								
23	22	1								
24	23	1								
25	24	1								
26	25	1								
27	26	1								
28	27	1								
29	28	1								
30	29	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
31	30	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
32	31	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
33	32	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
34	33	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
35	34	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
36	35	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
37	36	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
38	37	5.2								
39	38	5.2								
40	39	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		

41	40	4	0.00087	0.0156	0.00642	0.11563	0.01396	0.00121		
42	41	5.1								
43	42	6								
44	43-SWS	6								
45	44-SWS	6								
46	45	3								
47	46	5.1								
48	47	5.2								
49	48	7								
50	49-WWS(p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53-WWS	8								
57	54-WWS	8								
58	55-WWS	8								

No	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Classes							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1								
2	2-Pr WS	1								
3	3	2	0.06802	0.08163	0.59858					
4	4-EWS	3								
5	5-EWS	3								
6	6-EWS	3								
7	7-EWS(p)	3								
8	8	3								
9	9	2	0.06802	0.08163	0.59858					
10	10	2	0.06802	0.08163	0.59858					
11	11	2	0.06802	0.08163	0.59858					
12	12A	2	0.06802	0.08163	0.59858					
13	12B	2	0.06802	0.08163	0.59858					
14	13	1								
15	14	1								
16	15	2	0.06802	0.08163	0.59858					
17	16	5.2								

18	17	5.2								
19	18	6								
20	19	6								
21	20	5.2								
22	21	1								
23	22	1								
24	23	1								
25	24	1								
26	25	1								
27	26	1								
28	27	1								
29	28	1								
30	29	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
31	30	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
32	31	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
33	32	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
34	33	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
35	34	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
36	35	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
37	36	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
38	37	5.2								
39	38	5.2								
40	39	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
41	40	4	0.47301	0.33989	0.21473	0.86124	0.13064	0.08784		
42	41	5.1								
43	42	6								
44	43- SWS	6								
45	44- SWS	6								
46	45	3								
47	46	5.1								
48	47	5.2								
49	48	7								
50	49- WWS (p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								

Dhundal

No.	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Classes							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1								
2	2-Pr WS	1								
3	3	2								
4	4-EWS	3				0.00094	0.00257			0.00609
5	5-EWS	3				0.00094	0.00257			0.00609
6	6-EWS	3				0.00094	0.00257			0.00609
7	7-EWS (p)	3				0.00094	0.00257			0.00609
8	8	3				0.00094	0.00257			0.00609
9	9	2								
10	10	2								
11	11	2								
12	12A	2								
13	12B	2								
14	13	1								
15	14	1								
16	15	2								
17	16	5.2								
18	17	5.2								
19	18	6								
20	19	6								
21	20	5.2								
22	21	1								
23	22	1								
24	23	1								
25	24	1								
26	25	1								
27	26	1								
28	27	1								
29	28	1								
30	29	4								
31	30	4								
32	31	4								
33	32	4								
34	33	4								
35	34	4								
36	35	4								
37	36	4								
38	37	5.2								
39	38	5.2								
40	39	4								
41	40	4								
42	41	5.1								
43	42	6								
44	43- SWS	6								
45	44- SWS	6								
46	45	3				0.00094	0.00257			0.00609

47	46	5.1								
48	47	5.2								
49	48	7								
50	49- WWS(p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53- WWS	8								
57	54- WWS	8								
58	55- WWS	8								

No.	Comp No.	Block	Volume Increment (cu.m./ha/yr) by Diameter Classes							
			0-5	5-10	10-15	15-20	20-25	25-30	30-35	35+
1	1-Pr WS	1								
2	2-Pr WS	1								
3	3	2								
4	4-EWS	3				0.00014	0.00036			0.00097
5	5-EWS	3				0.00014	0.00036			0.00097
6	6-EWS	3				0.00014	0.00036			0.00097
7	7-EWS (p)	3				0.00014	0.00036			0.00097
8	8	3				0.00014	0.00036			0.00097
9	9	2								
10	10	2								
11	11	2								
12	12A	2								
13	12B	2								
14	13	1								
15	14	1								
16	15	2								
17	16	5.2								
18	17	5.2								
19	18	6								
20	19	6								
21	20	5.2								
22	21	1								
23	22	1								
24	23	1								
25	24	1								
26	25	1								
27	26	1								
28	27	1								
29	28	1								
30	29	4								
31	30	4								
32	31	4								
33	32	4								
34	33	4								
35	34	4								
36	35	4								
37	36	4								
38	37	5.2								
39	38	5.2								
40	39	4								
41	40	4								
42	41	5.1								
43	42	6								
44	43- SWS	6								
45	44- SWS	6								
46	45	3				0.00014	0.00036			0.00097
47	46	5.1								
48	47	5.2								

49	48	7								
50	49- WWS(p)	7								
51	50A	7								
52	50B	7								
53	51A	7								
54	51B	7								
55	52	6								
56	53-WWS	8								
57	54-WWS	8								
58	55-WWS	8								

Annexure 4.8: Area of Wildlife Sanctuaries

Sanctuary Name	Comp	AREA	Comp Land Area	Outside WS	Water Body
Sundarbans East WS	4	7,152.9	6,522.9		630.0
	5	10,732.9	5,161.8		5,571.1
	6	18,116.3	7,939.8		10,176.5
	7	4,538.3	11,502.7	3,568.5	
	Total EWS	40,540.4	31,127.2	3,568.5	16,377.6
Sundarbans South WS	43	17,038.1	11,148.2		5,889.9
	44	28,030.4	8,946.1		19,084.3
	Total SWS	45,068.5	20,094.3	0.0	24,974.2
Sundarbans West WS	49	5,816.3	11,548.3	4,485.2	
	53	11,060.5	8,257.9		2,802.6
	54	29,624.3	12,471.2		17,153.1
	55	34,637.5	16,038.5		18,599.0
	Total WWS	81,138.6	48,315.9	4,485.2	38,554.7
Total All Sanctuarie		166,747.5	99,537.4	8,053.7	79,906.5

Annexure 4.9: List of Permanent SRF Field Offices of the Forest

Name Of Places	Office
Burigoalini	Range Office
Nalian	Range Office
Chandpai	Range Office
Sarankhola	Range Office
Koikhali	Forest Station
Kadamtala	Forest Station
Kobadak	Forest Station
Kassiabad	Forest Station
Sutarkhali	Forest Station
Jewdhara	Forest Station
Dhansagar	Forest Station
Bogi	Forest Station
Supati	Forest Station
Kochikhali	Forest Station
Kalabogi	Forest Station
Margang	Patrol Post
Chunkuri	Patrol Post
Munshigang	Patrol Post
Katershwar	Patrol Post
Shakbaria	Patrol Post
Khashitana	Patrol Post
Bazbaza	Patrol Post
Hayatkhali	Patrol Post
Koyra	Patrol Post
Sibsa	Patrol Post
Hadda	Patrol Post
Sharbotkhali	Patrol Post
Laudob	Patrol Post

Karamjal	Patrol Post
Jongra	Patrol Post
Nandabala	Patrol Post
Baidyamari	Patrol Post
Katakhali	Patrol Post
Amurbunia	Patrol Post
Gulshakhali	Patrol Post
Chonua	Patrol Post
Kalamteji	Patrol Post
Nangli	Patrol Post
Dasher Bharani	Patrol Post
Bhola	Patrol Post
Pirghat	Patrol Post
Tarabaka	Patrol Post
Mara Bogi	Patrol Post
Saluar Khal	Patrol Post
Charkhali	Patrol Post
Shapla	Patrol Post
Patakata	Patrol Post
Andharmanik	Patrol Post
Dubla jala palli	Patrol Post
Andharmanik	Patrol Post
Chandeshware	Patrol Post
Dangmari	Forest Station
Kalagachia	Patrol Post
Baniakhali	Forest Station
Dumuria	Patrol Post

Volume II: Support Material
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Part II

Annexure 3.1: Forest Inventory Tables

Table 11. Summary of Tree Volumes V10 (m³/ha) by compartment and species, 15 cm+ DBH

Block	Comp.	Baen	Gewa	Sundri	Others	Keora	Total Of Volume
1	01	0.00	9.30	91.10	0.52	0.00	100.91
1	02	3.33	14.09	95.48	0.45	0.00	113.35
1	13	0.00	2.62	166.28	0.70	0.00	169.60
1	14	77.45	2.37	126.80	1.03	0.00	207.64
1	21	4.47	4.57	49.62	0.00	0.00	58.65
1	22	0.00	2.44	125.29	1.90	0.00	129.64
1	23	0.00	6.39	39.20	1.34	0.00	46.93
1	24	0.00	13.02	113.09	0.00	0.00	126.11
1	25	0.00	3.42	0.00	0.96	0.00	4.38
1	26	19.73	2.24	131.22	8.61	0.00	161.79
1	27	3.39	10.36	45.71	3.05	0.00	62.50
1	28	0.00	4.98	92.95	0.26	0.00	98.18
2	03	10.02	18.50	35.42	3.54	0.00	67.49
2	09	0.00	0.96	18.62	0.84	0.00	20.41
2	10	0.00	1.41	24.89	1.29	0.00	27.59
2	11	0.00	1.84	39.70	1.31	0.00	42.85
2	12A	0.00	35.91	242.39	0.00	0.00	278.30
2	12B	0.00	2.40	64.30	0.25	0.00	66.95
2	15	0.00	10.26	107.94	1.26	0.00	119.45
3	04	0.00	8.63	57.41	3.03	0.00	69.08
3	05	0.00	9.36	86.67	2.66	0.00	98.69
3	06	0.00	15.73	65.02	0.00	42.44	123.19
3	07	0.00	2.76	24.67	0.70	0.00	28.12
3	08	0.00	1.17	19.59	0.93	0.00	21.69
3	45	0.00	3.00	9.25	1.03	0.00	13.27
4	29	0.00	7.91	90.47	0.00	0.00	98.37
4	31	0.00	2.36	99.27	12.59	0.00	114.23
4	32	11.60	1.22	37.97	24.90	11.08	86.76
4	33	0.00	4.76	54.74	8.16	0.00	67.66
4	34	0.00	6.80	58.65	8.81	0.00	74.27
4	35	19.82	0.95	8.11	26.12	0.00	55.00
4	36	38.18	1.54	22.06	14.92	2.40	79.10
4	39	0.00	10.05	103.05	1.45	0.00	114.55
4	40	2.37	6.19	45.26	3.61	0.00	57.43
5A	46	0.00	1.02	0.00	8.33	0.00	9.35
5A	47	6.48	3.27	0.62	2.72	0.00	13.09
5B	16	15.85	10.79	71.14	1.79	0.00	99.58
5B	17	2.00	4.66	48.17	2.41	0.00	57.24
5B	20	25.47	2.96	22.32	4.03	4.10	58.88
5B	37	18.43	3.90	2.63	35.30	4.61	64.87
5B	38	14.85	1.49	13.08	8.67	0.00	38.09
5B	41	0.00	4.13	0.47	1.16	0.00	5.77

6	18		0.00	4.57	30.70	3.62	0.00	38.88
6	19		0.00	5.74	49.70	1.24	0.00	56.67
6	42		0.00	2.88	2.81	5.45	0.00	11.14
6	43		0.55	17.98	6.86	0.50	0.00	25.89
6	44		0.00	16.16	42.13	5.75	0.00	64.04
6	52		0.00	3.42	1.18	1.30	0.00	5.90
7	48		0.00	1.82	0.00	2.66	0.00	4.48
7	49		0.12	13.40	0.15	1.96	0.00	15.63
7	50B		8.65	22.66	0.00	2.48	0.00	33.79
7	51B		0.00	4.96	0.00	0.00	0.00	4.96
8	53		2.10	18.52	2.97	1.14	0.68	25.42
8	54		0.00	9.57	4.27	7.11	0.00	20.95
8	55		0.00	11.32	0.00	0.93	0.00	12.25

Table 12: Summary of Tree Number (N/ha) by compartment and species, 15 cm +DBH

Block	Comp.		Baen	Gewa	Sundri	Others	Keora	Total
1	01		0.00	59.19	371.58	3.29	0.00	434.06
1	02		1.75	68.40	429.67	1.75	0.00	501.58
1	13		0.00	23.38	534.90	2.92	0.00	561.21
1	14		10.52	21.05	415.64	5.26	0.00	452.47
1	21		5.85	40.92	222.14	0.00	0.00	268.91
1	22		0.00	20.46	365.37	8.77	0.00	394.60
1	23		0.00	70.15	175.38	8.77	0.00	254.30
1	24		0.00	118.38	460.37	0.00	0.00	578.75
1	25		0.00	21.05	0.00	5.26	0.00	26.31
1	26		16.44	23.02	552.44	29.59	0.00	621.49
1	27		14.61	61.38	163.69	26.31	0.00	265.99
1	28		0.00	32.88	365.00	3.29	0.00	401.18
2	03		3.29	161.13	177.57	23.02	0.00	365.00
2	09		0.00	10.33	104.29	4.70	0.00	119.32
2	10		0.00	15.78	128.90	2.63	0.00	147.32
2	11		0.00	14.61	216.30	4.38	0.00	235.30
2	12A		0.00	201.68	797.97	0.00	0.00	999.65
2	12B		0.00	23.68	265.70	2.63	0.00	292.00
2	15		0.00	63.14	491.93	10.52	0.00	565.59
3	04		0.00	60.13	298.77	18.79	0.00	377.69
3	05		0.00	66.64	380.57	19.29	0.00	466.50
3	06		0.00	101.94	325.54	0.00	29.59	457.08
3	07		0.00	28.06	166.61	1.75	0.00	196.42
3	08		0.00	11.27	102.41	5.64	0.00	119.32
3	45		0.00	20.12	44.88	3.09	0.00	68.09
4	29		0.00	52.61	336.72	0.00	0.00	389.34
4	31		0.00	20.24	257.00	80.94	0.00	358.17
4	32		16.91	11.27	131.53	140.93	24.43	325.07
4	33		0.00	39.46	181.52	36.83	0.00	257.80
4	34		0.00	67.23	239.68	23.38	0.00	330.29
4	35		14.61	8.77	40.92	122.76	0.00	187.07
4	36		31.57	14.03	112.24	59.63	5.26	222.73
4	39		0.00	82.43	408.63	12.28	0.00	503.33
4	40		2.63	55.24	194.67	15.78	0.00	268.33
5A	46		0.00	10.02	0.00	43.84	0.00	53.87

5A	47		14.03	30.69	4.38	13.15	0.00	62.26
5B	16		6.92	59.54	299.06	9.69	0.00	375.22
5B	17		3.09	41.78	273.90	9.28	0.00	328.06
5B	20		29.23	29.23	119.84	14.61	5.85	198.76
5B	37		11.69	29.23	17.54	169.53	2.92	230.91
5B	38		15.78	12.28	82.43	33.32	0.00	143.81
5B	41		0.00	43.22	3.76	9.40	0.00	56.37
6	18		0.00	41.65	162.22	15.35	0.00	219.22
6	19		0.00	48.86	240.52	3.76	0.00	293.13
6	42		0.00	26.31	21.05	26.31	0.00	73.66
6	43		3.29	141.40	46.04	3.29	0.00	194.01
6	44		0.00	121.42	169.98	26.31	0.00	317.70
6	52		0.00	32.38	10.12	8.09	0.00	50.59
7	48		0.00	16.44	0.00	6.58	0.00	23.02
7	49		1.38	120.46	1.38	9.69	0.00	132.92
7	50B		3.29	210.45	0.00	13.15	0.00	226.89
7	51B		0.00	44.72	0.00	0.00	0.00	44.72
8	53		7.17	160.23	16.74	2.39	2.39	188.93
8	54		0.00	71.61	14.61	36.54	0.00	122.76
8	55		0.00	94.93	0.00	3.43	0.00	98.36

Table 13: Summary of Tree Basal Area (BA, m²/ha) by compartment and species, 15 cm+ DBH

Block	Comp.		Baen	Gewa	Sundri	Others	Keora	Total
1	01		0.00	1.90	13.60	0.13	0.00	15.64
1	02		0.53	2.81	14.46	0.12	0.00	17.92
1	13		0.00	0.56	23.87	0.18	0.00	24.61
1	14		22.39	0.51	18.26	0.26	0.00	41.41
1	21		0.73	0.98	7.48	0.00	0.00	9.18
1	22		0.00	0.52	17.85	0.51	0.00	18.88
1	23		0.00	1.42	5.88	0.34	0.00	7.64
1	24		0.00	2.79	16.77	0.00	0.00	19.57
1	25		0.00	0.69	0.00	0.24	0.00	0.93
1	26		3.17	0.49	19.69	2.60	0.00	25.95
1	27		0.62	2.10	6.65	0.79	0.00	10.16
1	28		0.00	1.02	13.75	0.07	0.00	14.84
2	03		1.70	3.94	5.49	0.91	0.00	12.04
2	09		0.00	0.21	2.95	0.21	0.00	3.38
2	10		0.00	0.31	3.87	0.81	0.00	4.99
2	11		0.00	0.39	6.27	0.39	0.00	7.04
2	12A		0.00	7.25	35.17	0.00	0.00	42.43
2	12B		0.00	0.52	9.61	0.07	0.00	10.19
2	15		0.00	2.08	16.38	0.33	0.00	18.80
3	04		0.00	1.78	9.00	0.89	0.00	11.67
3	05		0.00	1.94	13.08	0.69	0.00	15.70
3	06		0.00	3.21	10.07	0.00	5.54	18.82
3	07		0.00	0.60	4.10	0.22	0.00	4.93
3	08		0.00	0.25	3.06	0.26	0.00	3.57
3	45		0.00	0.62	1.42	0.42	0.00	2.45
4	29		0.00	1.62	13.25	0.00	0.00	14.87
4	31		0.00	0.50	13.97	3.41	0.00	17.88

4	32		1.97	0.26	5.51	6.92	1.50	16.16
4	33		0.00	1.00	7.89	2.22	0.00	11.12
4	34		0.00	1.48	8.73	3.63	0.00	13.84
4	35		3.22	0.20	1.24	7.32	0.00	11.99
4	36		7.35	0.33	3.40	4.55	0.33	15.96
4	39		0.00	2.12	15.28	0.37	0.00	17.78
4	40		0.38	1.32	6.75	1.00	0.00	9.46
5A	46		0.00	0.22	0.00	2.19	0.00	2.41
5A	47		1.10	0.71	0.10	0.79	0.00	2.70
5B	16		3.16	2.18	10.67	0.45	0.00	16.47
5B	17		0.33	1.00	7.68	0.74	0.00	9.74
5B	20		4.26	0.64	3.49	1.32	0.48	10.18
5B	37		3.20	0.81	0.43	9.71	0.50	14.66
5B	38		2.69	0.31	2.13	2.56	0.00	7.70
5B	41		0.00	0.91	0.08	0.30	0.00	1.29
6	18		0.00	0.98	4.80	1.06	0.00	6.85
6	19		0.00	1.22	7.70	0.35	0.00	9.27
6	42		0.00	0.62	0.48	1.53	0.00	2.63
6	43		0.11	3.77	1.14	0.13	0.00	5.14
6	44		0.00	3.37	6.28	1.87	0.00	11.51
6	52		0.00	0.74	0.21	0.34	0.00	1.29
7	48		0.00	0.39	0.00	1.32	0.00	1.71
7	49		0.03	2.87	0.03	0.55	0.00	3.48
7	50B		1.43	4.88	0.00	0.70	0.00	7.01
7	51B		0.00	1.06	0.00	0.00	0.00	1.06
8	53		0.38	3.94	0.47	0.49	0.11	5.40
8	54		0.00	1.99	0.64	2.49	0.00	5.13
8	55		0.00	2.40	0.00	0.26	0.00	2.66

Table 14: Change in volume (m³/ha) for trees in between 2009 and 1996 by compartment and species

Block	Compartment		Baen	Gewa	Sundri	Keora	Others	Total
1	01		0.00	5.99	53.15	0.00	-0.84	58.30
1	02		-7.66	11.62	55.72	-22.14	0.20	37.75
1	13		0.00	1.47	118.68	0.00	0.70	120.85
1	14		77.45	-0.97	67.86	0.00	-0.27	144.06
1	21		4.47	3.91	-1.38	0.00	-1.16	5.84
1	22		-1.80	2.44	69.67	0.00	-0.98	69.33
1	23		0.00	6.39	27.20	0.00	-3.03	30.56
1	24		0.00	11.60	71.38	0.00	0.00	82.98
1	25		-2.88	3.02	-14.21	0.00	-6.58	-20.64
1	26		19.73	-2.79	111.79	0.00	8.61	137.34
1	27		3.39	6.44	10.58	0.00	3.05	23.45
1	28		0.00	-1.61	72.24	0.00	-2.66	67.96
2	03		8.95	17.83	5.66	0.00	2.30	34.74
2	09		0.00	0.29	12.30	0.00	0.56	13.16
2	10		0.00	0.93	13.65	0.00	-0.67	13.92
2	11		0.00	1.44	19.49	0.00	0.76	21.69
2	12A		0.00	33.90	225.77	0.00	-0.58	259.09
2	12B		0.00	1.91	47.04	0.00	0.25	49.19
2	15		0.00	9.33	50.30	0.00	0.80	60.43
3	04		0.00	8.15	21.51	0.00	0.65	30.31

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3	05		0.00	-0.02	58.09	0.00	0.68	58.75
3	06		0.00	10.58	43.51	-52.68	0.00	1.41
3	07		-1.45	1.49	18.24	0.00	0.70	18.98
3	08		0.00	0.35	5.65	-4.58	0.37	1.79
3	45		0.00	0.83	2.21	0.00	1.03	4.07
4	29		0.00	4.60	-1.87	0.00	0.00	2.73
4	31		-6.50	-5.24	56.47	0.00	10.63	55.36
4	32		4.14	0.88	28.24	11.08	7.70	52.04
4	33		0.00	3.33	12.07	0.00	0.27	15.67
4	34		0.00	5.37	42.31	0.00	8.81	56.49
4	35		16.99	0.50	-4.17	0.00	23.00	36.33
4	36		22.93	-0.38	0.36	2.40	-2.96	22.36
4	39		-0.62	8.08	70.47	0.00	0.12	78.06
4	40		-36.17	5.75	24.91	0.00	0.42	-5.09
5A	46		0.00	-0.52	-0.25	0.00	-4.64	-5.41
5A	47		4.90	1.94	0.51	-1.51	-1.99	3.86
5B	16		15.85	9.09	43.54	0.00	1.79	70.28
5B	17		2.00	2.75	29.07	0.00	1.18	35.00
5B	20		18.71	1.66	-3.69	-7.81	0.89	9.76
5B	37		18.43	-2.84	-13.75	4.61	18.51	24.96
5B	38		1.84	-0.67	-9.22	-6.08	1.28	-12.85
5B	41		0.00	3.66	-0.43	0.00	-1.67	1.56
6	18		0.00	4.07	12.94	0.00	3.29	20.29
6	19		0.00	5.31	16.81	0.00	0.76	22.89
6	42		0.00	2.88	-2.92	0.00	3.24	3.21
6	43		0.55	11.47	1.01	-8.54	0.50	5.00
6	44		0.00	9.25	33.01	-7.58	-0.93	33.75
6	52		0.00	1.53	1.18	0.00	-0.50	2.21
7	48		0.00	1.82	0.00	0.00	1.56	3.38
7	49		0.12	11.80	0.15	0.00	1.17	13.25
7	50B		8.65	13.18	0.00	0.00	-1.02	20.81
7	51B		0.00	3.63	0.00	0.00	-1.82	1.81
8	53		2.10	7.01	0.89	0.68	-4.05	6.63
8	54		0.00	8.64	4.27	0.00	6.04	18.95
8	55		0.00	9.45	0.00	0.00	0.93	10.37

Table 15: Change in number of trees (N/ha) in between 2009 and 1996 by compartment and species

Block	Compartment		Baen	Gewa	Sundri	Keora	Others	Total
1	01		0.00	26.31	172.64	0.00	-4.93	194
1	02		-5.26	50.86	229.74	-10.52	0.00	265
1	13		0.00	14.61	274.76	0.00	2.92	292
1	14		10.52	-10.52	152.58	0.00	0.00	153
1	21		5.85	35.08	-46.77	0.00	-5.85	-12
1	22		-2.92	20.46	87.69	0.00	-2.92	102
1	23		0.00	70.15	61.38	0.00	-26.31	105
1	24		0.00	105.23	249.91	0.00	0.00	355
1	25		-5.26	15.78	-121.01	0.00	-42.09	-153
1	26		16.44	-6.58	424.19	0.00	29.59	464
1	27		14.61	29.23	-49.69	0.00	26.31	20
1	28		0.00	0.00	243.34	0.00	-9.86	233
2	03		0.00	154.55	26.31	0.00	16.44	197
2	09		0.00	4.70	52.61	0.00	3.76	61
2	10		0.00	10.52	36.83	0.00	-7.89	39
2	11		0.00	11.69	95.00	0.00	0.00	107
2	12A		0.00	184.15	666.43	0.00	-8.77	842
2	12B		0.00	21.05	139.42	0.00	2.63	163
2	15		0.00	55.24	155.21	0.00	7.89	218
3	04		0.00	56.37	84.56	0.00	3.76	145
3	05		0.00	-12.28	220.98	0.00	7.02	216
3	06		0.00	72.34	223.61	-101.94	0.00	224
3	07		-3.51	19.29	119.26	0.00	1.75	137
3	08		0.00	3.76	4.70	-2.82	3.76	9
3	45		0.00	4.64	1.55	0.00	3.09	9
4	29		0.00	36.83	21.05	0.00	0.00	58
4	31		-12.14	-20.24	129.51	0.00	60.71	158
4	32		-22.55	7.52	73.28	0.00	35.70	118
4	33		0.00	23.68	10.52	0.00	0.00	34
4	34		0.00	52.61	99.38	0.00	23.38	175
4	35		-2.92	2.92	-11.69	0.00	108.15	96
4	36		21.05	-1.75	-10.52	0.00	-17.54	-4
4	39		-3.51	64.89	177.13	0.00	5.26	244
4	40		-13.15	52.61	28.94	0.00	0.00	68
5A	46		0.00	0.00	-2.51	0.00	-22.55	-25
5A	47		10.52	18.41	3.51	-0.88	-7.02	25
5B	16		6.92	41.54	121.84	0.00	9.69	180
5B	17		3.09	26.31	143.91	0.00	4.64	178
5B	20		23.38	20.46	-23.38	-11.69	0.00	15
5B	37		11.69	-26.31	-76.00	0.00	96.46	9
5B	38		10.52	-3.51	-63.14	-14.03	7.02	-63
5B	41		0.00	37.58	-3.76	0.00	-5.64	28
6	18		0.00	36.17	65.77	0.00	14.25	116
6	19		0.00	45.10	26.31	0.00	1.88	73
6	42		0.00	26.31	-21.05	0.00	15.78	21
6	43		3.29	100.29	6.58	-11.51	3.29	102
6	44		0.00	62.73	115.34	-16.19	-2.02	160
6	52		0.00	14.17	10.12	0.00	4.05	28

7	48		0.00	16.44	0.00	0.00	-3.29	13
7	49		1.38	105.23	1.38	0.00	4.15	112
7	50B		3.29	124.96	0.00	0.00	-6.58	122
7	51B		0.00	31.57	0.00	0.00	-13.15	18
8	53		7.17	69.35	-9.57	0.00	-26.31	43
8	54		0.00	62.84	14.61	0.00	26.31	104
8	55		0.00	75.49	0.00	0.00	3.43	79

Table 16: Summary of Tree Volume (m³/ha) for sundri by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	01		26.26	28.99	15.20	16.91	3.74	0.00	0.00	91.10
1	02		36.23	23.23	25.43	10.60	0.00	0.00	0.00	95.48
1	13		25.33	53.68	27.87	49.53	9.87	0.00	0.00	166.28
1	14		22.00	40.11	23.61	36.09	5.00	0.00	0.00	126.80
1	21		17.94	18.94	5.05	7.69	0.00	0.00	0.00	49.62
1	22		20.27	29.41	24.31	39.55	3.12	8.63	0.00	125.29
1	23		12.47	13.66	8.08	4.99	0.00	0.00	0.00	39.20
1	24		30.69	46.65	19.49	16.26	0.00	0.00	0.00	113.09
1	26		42.38	35.27	42.20	7.91	3.45	0.00	0.00	131.22
1	27		9.32	19.23	5.93	8.40	2.85	0.00	0.00	45.71
1	28		25.16	31.21	25.55	11.04	0.00	0.00	0.00	92.95
2	03		14.98	10.09	8.04	2.31	0.00	0.00	0.00	35.42
2	09		10.10	5.17	2.24	1.11	0.00	0.00	0.00	18.62
2	10		11.63	8.69	2.58	1.98	0.00	0.00	0.00	24.89
2	11		20.21	10.83	3.48	5.18	0.00	0.00	0.00	39.70
2	12A		49.06	58.56	60.04	55.45	0.00	0.00	19.28	242.39
2	12B		19.77	20.06	11.81	9.18	3.49	0.00	0.00	64.30
2	15		39.52	35.29	22.99	10.14	0.00	0.00	0.00	107.94
3	04		31.75	14.62	2.78	3.21	2.24	2.81	0.00	57.41
3	05		30.70	24.22	17.56	14.18	0.00	0.00	0.00	86.67
3	06		29.41	24.43	5.13	2.45	3.60	0.00	0.00	65.02
3	07		18.68	4.65	1.34	0.00	0.00	0.00	0.00	24.67
3	08		9.56	7.29	2.20	0.54	0.00	0.00	0.00	19.59
3	45		3.40	3.40	1.41	1.04	0.00	0.00	0.00	9.25
4	29		20.43	27.86	23.24	13.18	5.75	0.00	0.00	90.47
4	31		10.45	16.56	25.34	34.61	9.33	2.99	0.00	99.27
4	32		7.80	8.36	14.26	5.75	1.79	0.00	0.00	37.97
4	33		7.99	16.56	20.84	9.35	0.00	0.00	0.00	54.74
4	34		17.07	20.41	9.51	11.66	0.00	0.00	0.00	58.65
4	35		2.76	5.35	0.00	0.00	0.00	0.00	0.00	8.11
4	36		9.40	12.66	0.00	0.00	0.00	0.00	0.00	22.06
4	39		27.19	31.13	26.52	13.18	2.05	2.98	0.00	103.05
4	40		12.34	25.44	6.08	1.41	0.00	0.00	0.00	45.26
5A	47		0.40	0.22	0.00	0.00	0.00	0.00	0.00	0.62
5B	16		22.10	22.52	11.76	10.91	1.65	2.21	0.00	71.14
5B	17		28.70	12.09	4.81	0.95	1.62	0.00	0.00	48.17
5B	20		9.90	9.82	1.02	1.59	0.00	0.00	0.00	22.32
5B	37		1.90	0.72	0.00	0.00	0.00	0.00	0.00	2.63
5B	38		8.11	4.33	0.64	0.00	0.00	0.00	0.00	13.08
5B	41		0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.47
6	18		16.15	6.77	4.98	2.80	0.00	0.00	0.00	30.70

6	19		24.25	15.26	3.86	0.00	1.74	0.00	4.59	49.70
6	42		2.81	0.00	0.00	0.00	0.00	0.00	0.00	2.81
6	43		4.63	1.48	0.76	0.00	0.00	0.00	0.00	6.86
6	44		12.91	14.51	5.01	5.36	4.35	0.00	0.00	42.13
6	52		1.18	0.00	0.00	0.00	0.00	0.00	0.00	1.18
7	49		0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.15
8	53		1.82	1.16	0.00	0.00	0.00	0.00	0.00	2.97
8	54		1.13	0.00	1.04	0.00	0.00	2.10	0.00	4.27

Table 17: Summary of Tree number (N/ha) for sundri by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	01		195.66	110.16	37.82	24.66	3.29	0.00	0.00	371.58
1	02		266.57	87.69	59.63	15.78	0.00	0.00	0.00	429.67
1	13		187.07	201.68	64.31	73.07	8.77	0.00	0.00	534.90
1	14		157.84	142.06	57.87	52.61	5.26	0.00	0.00	415.64
1	21		131.53	67.23	11.69	11.69	0.00	0.00	0.00	222.14
1	22		134.46	105.23	55.54	61.38	2.92	5.85	0.00	365.37
1	23		96.46	52.61	17.54	8.77	0.00	0.00	0.00	175.38
1	24		217.03	170.99	46.04	26.31	0.00	0.00	0.00	460.37
1	26		305.81	124.96	105.23	13.15	3.29	0.00	0.00	552.44
1	27		67.23	67.23	14.61	11.69	2.92	0.00	0.00	163.69
1	28		170.99	111.80	65.77	16.44	0.00	0.00	0.00	365.00
2	03		115.09	39.46	19.73	3.29	0.00	0.00	0.00	177.57
2	09		76.10	20.67	5.64	1.88	0.00	0.00	0.00	104.29
2	10		86.81	34.20	5.26	2.63	0.00	0.00	0.00	128.90
2	11		157.84	42.38	8.77	7.31	0.00	0.00	0.00	216.30
2	12A		341.99	210.45	149.07	87.69	0.00	0.00	8.77	797.97
2	12B		142.06	73.66	31.57	15.78	2.63	0.00	0.00	265.70
2	15		284.11	131.53	57.87	18.41	0.00	0.00	0.00	491.93
3	04		225.49	56.37	7.52	5.64	1.88	1.88	0.00	298.77
3	05		224.48	91.20	43.84	21.05	0.00	0.00	0.00	380.57
3	06		210.45	95.36	13.15	3.29	3.29	0.00	0.00	325.54
3	07		143.81	19.29	3.51	0.00	0.00	0.00	0.00	166.61
3	08		66.71	29.13	5.64	0.94	0.00	0.00	0.00	102.41
3	45		26.31	13.93	3.09	1.55	0.00	0.00	0.00	44.88
4	29		157.84	94.70	57.87	21.05	5.26	0.00	0.00	336.72
4	31		74.87	60.71	58.68	52.61	8.09	2.02	0.00	257.00
4	32		54.49	31.94	33.82	9.40	1.88	0.00	0.00	131.53
4	33		55.24	63.14	49.98	13.15	0.00	0.00	0.00	181.52
4	34		125.69	73.07	23.38	17.54	0.00	0.00	0.00	239.68
4	35		20.46	20.46	0.00	0.00	0.00	0.00	0.00	40.92
4	36		66.64	45.60	0.00	0.00	0.00	0.00	0.00	112.24
4	39		205.19	114.00	64.89	21.05	1.75	1.75	0.00	408.63
4	40		81.55	94.70	15.78	2.63	0.00	0.00	0.00	194.67
5A	47		3.51	0.88	0.00	0.00	0.00	0.00	0.00	4.38
5B	16		163.38	84.46	30.46	18.00	1.38	1.38	0.00	299.06
5B	17		212.00	47.97	10.83	1.55	1.55	0.00	0.00	273.90
5B	20		78.92	35.08	2.92	2.92	0.00	0.00	0.00	119.84
5B	37		14.61	2.92	0.00	0.00	0.00	0.00	0.00	17.54
5B	38		63.14	17.54	1.75	0.00	0.00	0.00	0.00	82.43
5B	41		3.76	0.00	0.00	0.00	0.00	0.00	0.00	3.76

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6	18		121.67	24.11	12.06	4.38	0.00	0.00	0.00	162.22
6	19		170.99	56.37	9.40	0.00	1.88	0.00	1.88	240.52
6	42		21.05	0.00	0.00	0.00	0.00	0.00	0.00	21.05
6	43		37.82	6.58	1.64	0.00	0.00	0.00	0.00	46.04
6	44		91.06	54.64	12.14	8.09	4.05	0.00	0.00	169.98
6	52		10.12	0.00	0.00	0.00	0.00	0.00	0.00	10.12
7	49		1.38	0.00	0.00	0.00	0.00	0.00	0.00	1.38
8	53		11.96	4.78	0.00	0.00	0.00	0.00	0.00	16.74
8	54		10.23	0.00	2.92	0.00	0.00	1.46	0.00	14.61

Table 18: Summary of Tree Volume (m³/ha) for Gewa by compartment and DBH class

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	01		4.31	1.91	1.39	1.70	0.00	0.00	0.00	9.30
1	02		3.27	3.22	3.70	2.33	1.57	0.00	0.00	14.09
1	13		2.05	0.57	0.00	0.00	0.00	0.00	0.00	2.62
1	14		2.37	0.00	0.00	0.00	0.00	0.00	0.00	2.37
1	21		3.50	1.07	0.00	0.00	0.00	0.00	0.00	4.57
1	22		1.94	0.50	0.00	0.00	0.00	0.00	0.00	2.44
1	23		6.39	0.00	0.00	0.00	0.00	0.00	0.00	6.39
1	24		10.76	2.26	0.00	0.00	0.00	0.00	0.00	13.02
1	25		0.79	2.63	0.00	0.00	0.00	0.00	0.00	3.42
1	26		2.24	0.00	0.00	0.00	0.00	0.00	0.00	2.24
1	27		4.50	2.09	0.80	2.97	0.00	0.00	0.00	10.36
1	28		2.54	1.16	0.00	1.28	0.00	0.00	0.00	4.98
2	03		14.51	2.93	1.06	0.00	0.00	0.00	0.00	18.50
2	09		0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.96
2	10		1.41	0.00	0.00	0.00	0.00	0.00	0.00	1.41
2	11		1.39	0.00	0.45	0.00	0.00	0.00	0.00	1.84
2	12A		13.49	4.89	5.24	12.29	0.00	0.00	0.00	35.91
2	12B		1.98	0.42	0.00	0.00	0.00	0.00	0.00	2.40
2	15		3.18	4.67	2.41	0.00	0.00	0.00	0.00	10.26
3	04		5.07	2.37	0.47	0.73	0.00	0.00	0.00	8.63
3	05		4.98	1.97	2.40	0.00	0.00	0.00	0.00	9.36
3	06		7.81	4.69	1.80	1.43	0.00	0.00	0.00	15.73
3	07		2.76	0.00	0.00	0.00	0.00	0.00	0.00	2.76
3	08		1.17	0.00	0.00	0.00	0.00	0.00	0.00	1.17
3	45		1.67	0.30	0.00	0.00	1.03	0.00	0.00	3.00
4	29		3.81	1.29	2.81	0.00	0.00	0.00	0.00	7.91
4	31		2.00	0.36	0.00	0.00	0.00	0.00	0.00	2.36
4	32		0.91	0.31	0.00	0.00	0.00	0.00	0.00	1.22
4	33		3.79	0.96	0.00	0.00	0.00	0.00	0.00	4.76
4	34		6.18	0.63	0.00	0.00	0.00	0.00	0.00	6.80
4	35		0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.95
4	36		1.15	0.39	0.00	0.00	0.00	0.00	0.00	1.54
4	39		7.07	2.52	0.46	0.00	0.00	0.00	0.00	10.05
4	40		4.80	1.39	0.00	0.00	0.00	0.00	0.00	6.19
5A	46		1.02	0.00	0.00	0.00	0.00	0.00	0.00	1.02
5A	47		2.98	0.30	0.00	0.00	0.00	0.00	0.00	3.27
5B	16		4.16	1.85	1.19	2.17	1.42	0.00	0.00	10.79
5B	17		3.85	0.80	0.00	0.00	0.00	0.00	0.00	4.66
5B	20		2.48	0.48	0.00	0.00	0.00	0.00	0.00	2.96
5B	37		2.35	1.55	0.00	0.00	0.00	0.00	0.00	3.90
5B	38		1.11	0.38	0.00	0.00	0.00	0.00	0.00	1.49
5B	41		4.13	0.00	0.00	0.00	0.00	0.00	0.00	4.13
6	18		3.19	1.38	0.00	0.00	0.00	0.00	0.00	4.57
6	19		4.42	1.31	0.00	0.00	0.00	0.00	0.00	5.74
6	42		2.07	0.81	0.00	0.00	0.00	0.00	0.00	2.88
6	43		12.76	2.88	2.33	0.00	0.00	0.00	0.00	17.98
6	44		9.90	4.13	2.13	0.00	0.00	0.00	0.00	16.16
6	52		2.73	0.69	0.00	0.00	0.00	0.00	0.00	3.42
7	48		1.21	0.61	0.00	0.00	0.00	0.00	0.00	1.82

7	49		9.93	3.08	0.39	0.00	0.00	0.00	0.00	13.40
7	50B		17.45	5.21	0.00	0.00	0.00	0.00	0.00	22.66
7	51B		3.68	1.28	0.00	0.00	0.00	0.00	0.00	4.96
8	53		13.80	3.94	0.78	0.00	0.00	0.00	0.00	18.52
8	54		5.57	2.79	1.22	0.00	0.00	0.00	0.00	9.57
8	55		8.69	1.95	0.68	0.00	0.00	0.00	0.00	11.32

Table 19: Summary of Tree number (N/ha) for gewa by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	01		41.10	9.86	4.93	3.29	0.00	0.00	0.00	59.19
1	02		33.32	15.78	12.28	5.26	1.75	0.00	0.00	68.40
1	13		20.46	2.92	0.00	0.00	0.00	0.00	0.00	23.38
1	14		21.05	0.00	0.00	0.00	0.00	0.00	0.00	21.05
1	21		35.08	5.85	0.00	0.00	0.00	0.00	0.00	40.92
1	22		17.54	2.92	0.00	0.00	0.00	0.00	0.00	20.46
1	23		70.15	0.00	0.00	0.00	0.00	0.00	0.00	70.15
1	24		105.23	13.15	0.00	0.00	0.00	0.00	0.00	118.38
1	25		5.26	15.78	0.00	0.00	0.00	0.00	0.00	21.05
1	26		23.02	0.00	0.00	0.00	0.00	0.00	0.00	23.02
1	27		40.92	11.69	2.92	5.85	0.00	0.00	0.00	61.38
1	28		23.02	6.58	0.00	3.29	0.00	0.00	0.00	32.88
2	03		141.40	16.44	3.29	0.00	0.00	0.00	0.00	161.13
2	09		10.33	0.00	0.00	0.00	0.00	0.00	0.00	10.33
2	10		15.78	0.00	0.00	0.00	0.00	0.00	0.00	15.78
2	11		13.15	0.00	1.46	0.00	0.00	0.00	0.00	14.61
2	12A		131.53	26.31	17.54	26.31	0.00	0.00	0.00	201.68
2	12B		21.05	2.63	0.00	0.00	0.00	0.00	0.00	23.68
2	15		28.94	26.31	7.89	0.00	0.00	0.00	0.00	63.14
3	04		43.22	13.15	1.88	1.88	0.00	0.00	0.00	60.13
3	05		47.35	10.52	8.77	0.00	0.00	0.00	0.00	66.64
3	06		65.77	26.31	6.58	3.29	0.00	0.00	0.00	101.94
3	07		28.06	0.00	0.00	0.00	0.00	0.00	0.00	28.06
3	08		11.27	0.00	0.00	0.00	0.00	0.00	0.00	11.27
3	45		17.02	1.55	0.00	0.00	1.55	0.00	0.00	20.12
4	29		36.83	5.26	10.52	0.00	0.00	0.00	0.00	52.61
4	31		18.21	2.02	0.00	0.00	0.00	0.00	0.00	20.24
4	32		9.40	1.88	0.00	0.00	0.00	0.00	0.00	11.27
4	33		34.20	5.26	0.00	0.00	0.00	0.00	0.00	39.46
4	34		64.31	2.92	0.00	0.00	0.00	0.00	0.00	67.23
4	35		8.77	0.00	0.00	0.00	0.00	0.00	0.00	8.77
4	36		12.28	1.75	0.00	0.00	0.00	0.00	0.00	14.03
4	39		66.64	14.03	1.75	0.00	0.00	0.00	0.00	82.43
4	40		47.35	7.89	0.00	0.00	0.00	0.00	0.00	55.24
5A	46		10.02	0.00	0.00	0.00	0.00	0.00	0.00	10.02
5A	47		28.94	1.75	0.00	0.00	0.00	0.00	0.00	30.69
5B	16		40.15	9.69	4.15	4.15	1.38	0.00	0.00	59.54
5B	17		37.14	4.64	0.00	0.00	0.00	0.00	0.00	41.78
5B	20		26.31	2.92	0.00	0.00	0.00	0.00	0.00	29.23
5B	37		20.46	8.77	0.00	0.00	0.00	0.00	0.00	29.23
5B	38		10.52	1.75	0.00	0.00	0.00	0.00	0.00	12.28

5B	41		43.22	0.00	0.00	0.00	0.00	0.00	0.00	43.22
6	18		33.98	7.67	0.00	0.00	0.00	0.00	0.00	41.65
6	19		41.34	7.52	0.00	0.00	0.00	0.00	0.00	48.86
6	42		21.05	5.26	0.00	0.00	0.00	0.00	0.00	26.31
6	43		116.74	16.44	8.22	0.00	0.00	0.00	0.00	141.40
6	44		91.06	22.26	8.09	0.00	0.00	0.00	0.00	121.42
6	52		28.33	4.05	0.00	0.00	0.00	0.00	0.00	32.38
7	48		13.15	3.29	0.00	0.00	0.00	0.00	0.00	16.44
7	49		102.46	16.61	1.38	0.00	0.00	0.00	0.00	120.46
7	50B		180.86	29.59	0.00	0.00	0.00	0.00	0.00	210.45
7	51B		36.83	7.89	0.00	0.00	0.00	0.00	0.00	44.72
8	53		138.71	19.13	2.39	0.00	0.00	0.00	0.00	160.23
8	54		52.61	14.61	4.38	0.00	0.00	0.00	0.00	71.61
8	55		82.35	10.29	2.29	0.00	0.00	0.00	0.00	94.93

Table 20: Summary of Tree Volume (m³/ha) for keora species by compartment and DBH class

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
3	06		0.73	1.24	2.28	11.39	3.76	0.00	0.00	19.39
4	32		0.00	0.38	0.76	1.43	0.00	0.00	0.00	2.58
4	36		0.08	0.00	0.00	0.00	2.38	0.00	0.00	2.46
5B	20		0.00	0.00	0.00	0.00	4.61	0.00	0.00	4.61
5B	37		0.00	0.84	0.00	0.00	0.00	0.00	0.00	0.84
8	53		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 21: Summary of Tree number N/ha) for keora species by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
3	06		0.00	0.00	3.29	6.58	9.86	3.29	6.58	29.59
4	32		5.64	3.76	3.76	9.40	1.88	0.00	0.00	24.43
4	36		0.00	1.75	1.75	1.75	0.00	0.00	0.00	5.26
5B	20		2.92	0.00	0.00	0.00	2.92	0.00	0.00	5.85
5B	37		0.00	0.00	0.00	0.00	2.92	0.00	0.00	2.92
8	53		0.00	2.39	0.00	0.00	0.00	0.00	0.00	2.39

Table 22: Summary of Tree Volume (m³/ha) for baen by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	02		0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.53
1	14		0.00	0.00	0.00	0.00	0.00	0.00	22.39	22.39
1	21		0.00	0.00	0.00	0.35	0.38	0.00	0.00	0.73
1	26		0.00	0.00	0.19	0.00	0.50	1.46	1.02	3.17
1	27		0.12	0.11	0.17	0.21	0.00	0.00	0.00	0.62
2	3		0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.70
4	32		0.07	0.07	0.09	0.47	0.32	0.00	0.94	1.97
4	35		0.00	0.00	0.00	0.57	0.00	1.17	1.16	2.90
4	36		0.13	0.16	0.47	0.35	0.23	0.85	5.16	7.35
4	40		0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.38
5A	47		0.03	0.24	0.05	0.31	0.25	0.21	0.00	1.10
5B	16		0.00	0.06	0.00	0.00	0.40	0.00	2.70	3.16
5B	17		0.04	0.00	0.00	0.00	0.29	0.00	0.00	0.33
5B	20		0.07	0.00	0.53	0.86	0.49	0.76	1.54	4.26
5B	37		0.07	0.00	0.15	0.00	0.00	0.00	2.98	3.20
5B	38		0.10	0.14	0.23	0.13	0.00	0.00	2.09	2.69
6	43		0.04	0.06	0.00	0.00	0.00	0.00	0.00	0.11
7	49		0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03
7	50B		0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.43
8	53		0.07	0.00	0.13	0.17	0.00	0.00	0.00	0.38

Table 23: Summary of Tree number (N/ha) for baen by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	02		0.00	0.00	0.00	0.00	0.00	0.00	1.75	1.75
1	14		0.00	0.00	0.00	0.00	0.00	0.00	10.52	10.52
1	21		0.00	0.00	0.00	2.92	2.92	0.00	0.00	5.85
1	26		0.00	0.00	3.29	0.00	3.29	6.58	3.29	16.44
1	27		5.85	2.92	2.92	2.92	0.00	0.00	0.00	14.61
2	3		0.00	0.00	0.00	0.00	0.00	0.00	3.29	3.29
4	32		3.76	1.88	1.88	5.64	1.88	0.00	1.88	16.91
4	35		0.00	0.00	0.00	5.26	0.00	5.26	2.63	13.15
4	36		5.26	3.51	8.77	3.51	1.75	3.51	5.26	31.57
4	40		0.00	0.00	0.00	0.00	2.63	0.00	0.00	2.63
5A	47		0.88	6.14	0.88	3.51	1.75	0.88	0.00	14.03
5B	16		0.00	1.38	0.00	0.00	2.77	0.00	2.77	6.92
5B	17		1.55	0.00	0.00	0.00	1.55	0.00	0.00	3.09
5B	20		2.92	0.00	8.77	8.77	2.92	2.92	2.92	29.23
5B	37		2.92	0.00	2.92	0.00	0.00	0.00	5.85	11.69
5B	38		3.51	3.51	3.51	1.75	0.00	0.00	3.51	15.78
6	43		1.64	1.64	0.00	0.00	0.00	0.00	0.00	3.29
7	49		1.38	0.00	0.00	0.00	0.00	0.00	0.00	1.38
7	50B		0.00	0.00	0.00	0.00	0.00	0.00	3.29	3.29
8	53		2.39	0.00	2.39	2.39	0.00	0.00	0.00	7.17

Table 24: Summary of Tree Volume (m³/ha) for other species by compartment and DBH class

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	01		0.14	0.00	0.37	0.00	0.00	0.00	0.00	0.52
1	02		0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.45
1	13		0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.70
1	14		0.00	0.00	1.03	0.00	0.00	0.00	0.00	1.03
1	22		0.00	0.90	0.00	1.01	0.00	0.00	0.00	1.90
1	23		0.00	1.34	0.00	0.00	0.00	0.00	0.00	1.34
1	25		0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.96
1	26		0.00	1.31	0.00	4.45	2.85	0.00	0.00	8.61
1	27		1.50	0.86	0.68	0.00	0.00	0.00	0.00	3.05
1	28		0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.26
2	03		0.97	0.94	1.63	0.00	0.00	0.00	0.00	3.54
2	09		0.08	0.30	0.45	0.00	0.00	0.00	0.00	0.84
2	10		0.00	0.00	0.00	0.00	0.00	0.00	1.29	1.29
2	11		0.00	0.00	0.30	0.39	0.62	0.00	0.00	1.31
2	12B		0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.25
2	15		0.58	0.00	0.68	0.00	0.00	0.00	0.00	1.26
3	04		0.62	1.09	0.46	0.00	0.86	0.00	0.00	3.03
3	05		0.77	1.37	0.00	0.52	0.00	0.00	0.00	2.66
3	07		0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.70
3	08		0.24	0.33	0.00	0.36	0.00	0.00	0.00	0.93
3	45		0.00	0.28	0.00	0.00	0.00	0.75	0.00	1.03
4	31		3.77	1.17	4.04	1.98	1.62	0.00	0.00	12.59
4	32		4.12	6.81	7.58	3.82	0.74	1.82	0.00	24.90
4	33		0.82	1.27	1.92	3.03	1.12	0.00	0.00	8.16
4	34		0.00	0.49	0.00	2.84	1.18	2.87	1.44	8.81
4	35		2.68	4.53	3.86	12.48	2.56	0.00	0.00	26.12
4	36		1.19	0.54	3.69	7.07	0.74	0.84	0.86	14.92
4	39		0.57	0.88	0.00	0.00	0.00	0.00	0.00	1.45
4	40		0.23	0.84	0.00	1.50	1.05	0.00	0.00	3.61
5A	46		0.61	2.86	2.10	2.76	0.00	0.00	0.00	8.33
5A	47		0.36	0.29	1.03	0.62	0.00	0.42	0.00	2.72
5B	16		0.16	0.98	0.65	0.00	0.00	0.00	0.00	1.79
5B	17		0.16	0.46	0.00	0.50	1.30	0.00	0.00	2.41
5B	20		0.35	0.47	0.61	0.00	2.59	0.00	0.00	4.03
5B	37		4.19	6.53	8.59	12.31	3.68	0.00	0.00	35.30
5B	38		0.32	1.79	1.25	2.30	3.01	0.00	0.00	8.67
5B	41		0.47	0.24	0.45	0.00	0.00	0.00	0.00	1.16
6	18		0.27	0.67	0.22	1.50	0.95	0.00	0.00	3.62
6	19		0.00	0.00	0.00	1.24	0.00	0.00	0.00	1.24
6	42		0.99	0.00	2.36	0.00	2.10	0.00	0.00	5.45
6	43		0.19	0.31	0.00	0.00	0.00	0.00	0.00	0.50
6	44		0.78	0.26	1.39	1.37	0.00	1.94	0.00	5.75
6	52		0.35	0.00	0.96	0.00	0.00	0.00	0.00	1.30
7	48		0.00	0.00	0.00	1.05	0.00	0.00	1.61	2.66
7	49		0.26	0.18	0.93	0.00	0.59	0.00	0.00	1.96
7	50B		0.26	0.95	0.00	1.27	0.00	0.00	0.00	2.48
8	53		0.00	0.00	0.00	0.00	0.00	1.14	0.00	1.14
8	54		1.27	1.39	1.08	1.28	0.67	0.72	0.69	7.11
8	55		0.14	0.00	0.00	0.79	0.00	0.00	0.00	0.93

Table 25: Summary of Tree number N/ha) for other species by compartment and DBH class, 15 cm+ DBH

Block	Comp.	DBH	15-20	20-25	25-30	30-40	40-50	50-60	60+	Total
1	01		1.64	0.00	1.64	0.00	0.00	0.00	0.00	3.29
1	02		0.00	0.00	1.75	0.00	0.00	0.00	0.00	1.75
1	13		0.00	0.00	2.92	0.00	0.00	0.00	0.00	2.92
1	14		0.00	0.00	5.26	0.00	0.00	0.00	0.00	5.26
1	22		0.00	5.85	0.00	2.92	0.00	0.00	0.00	8.77
1	23		0.00	8.77	0.00	0.00	0.00	0.00	0.00	8.77
1	25		0.00	5.26	0.00	0.00	0.00	0.00	0.00	5.26
1	26		0.00	9.86	0.00	13.15	6.58	0.00	0.00	29.59
1	27		17.54	5.85	2.92	0.00	0.00	0.00	0.00	26.31
1	28		3.29	0.00	0.00	0.00	0.00	0.00	0.00	3.29
2	03		9.86	6.58	6.58	0.00	0.00	0.00	0.00	23.02
2	09		0.94	1.88	1.88	0.00	0.00	0.00	0.00	4.70
2	10		0.00	0.00	0.00	0.00	0.00	0.00	2.63	2.63
2	11		0.00	0.00	1.46	1.46	1.46	0.00	0.00	4.38
2	12B		2.63	0.00	0.00	0.00	0.00	0.00	0.00	2.63
2	15		7.89	0.00	2.63	0.00	0.00	0.00	0.00	10.52
3	04		7.52	7.52	1.88	0.00	1.88	0.00	0.00	18.79
3	05		8.77	8.77	0.00	1.75	0.00	0.00	0.00	19.29
3	07		0.00	0.00	0.00	0.00	1.75	0.00	0.00	1.75
3	08		2.82	1.88	0.00	0.94	0.00	0.00	0.00	5.64
3	45		0.00	1.55	0.00	0.00	0.00	1.55	0.00	3.09
4	31		44.52	8.09	18.21	6.07	4.05	0.00	0.00	80.94
4	32		45.10	45.10	33.82	11.27	1.88	3.76	0.00	140.93
4	33		7.89	7.89	7.89	10.52	2.63	0.00	0.00	36.83
4	34		0.00	2.92	0.00	8.77	2.92	5.85	2.92	23.38
4	35		32.15	29.23	17.54	38.00	5.85	0.00	0.00	122.76
4	36		14.03	3.51	15.78	21.05	1.75	1.75	1.75	59.63
4	39		7.02	5.26	0.00	0.00	0.00	0.00	0.00	12.28
4	40		2.63	5.26	0.00	5.26	2.63	0.00	0.00	15.78
5A	46		7.52	18.79	8.77	8.77	0.00	0.00	0.00	43.84
5A	47		4.38	1.75	4.38	1.75	0.00	0.88	0.00	13.15
5B	16		1.38	5.54	2.77	0.00	0.00	0.00	0.00	9.69
5B	17		1.55	3.09	0.00	1.55	3.09	0.00	0.00	9.28
5B	20		2.92	2.92	2.92	0.00	5.85	0.00	0.00	14.61
5B	37		46.77	40.92	35.08	38.00	8.77	0.00	0.00	169.53
5B	38		3.51	10.52	5.26	7.02	7.02	0.00	0.00	33.32
5B	41		5.64	1.88	1.88	0.00	0.00	0.00	0.00	9.40
6	18		3.29	4.38	1.10	4.38	2.19	0.00	0.00	15.35
6	19		0.00	0.00	0.00	3.76	0.00	0.00	0.00	3.76
6	42		10.52	0.00	10.52	0.00	5.26	0.00	0.00	26.31

6	43		1.64	1.64	0.00	0.00	0.00	0.00	0.00	3.29
6	44		10.12	2.02	6.07	4.05	0.00	4.05	0.00	26.31
6	52		4.05	0.00	4.05	0.00	0.00	0.00	0.00	8.09
7	48		0.00	0.00	0.00	3.29	0.00	0.00	3.29	6.58
7	49		2.77	1.38	4.15	0.00	1.38	0.00	0.00	9.69
7	50B		3.29	6.58	0.00	3.29	0.00	0.00	0.00	13.15
8	53		0.00	0.00	0.00	0.00	0.00	2.39	0.00	2.39
8	54		14.61	8.77	4.38	4.38	1.46	1.46	1.46	36.54
8	55		1.14	0.00	0.00	2.29	0.00	0.00	0.00	3.43

Table 26: Goran in different size classes (Volume, Weight and N/ha) in different compartments

Block	Compt	DBH	Small Stems	Medium Stems	Large Stems	X-Large Stems	Volume (m ³ /ha)	Weight (Kg/ha)	Saplings N/ha
s1	23		9	0	0	0	0.00	0.0	20.5
2	03		13	1	2	0	0.08	75.2	31.8
2	09		100	162	77	3	3.14	3006.2	595.7
2	10		167	59	20	1	0.82	789.1	513.8
2	11		20	44	27	0	1.06	1014.6	145.5
2	12B		17	13	9	1	0.39	375.8	68.2
3	04		4	3	8	0	0.31	300.6	15.9
3	06		8	18	9	0	0.35	338.2	59.1
3	07		10	89	65	0	2.55	2442.5	225.1
3	08		252	421	137	2	5.45	5223.3	1530.2
3	45		180	309	180	11	7.49	7177.3	1111.8
4	36		16	7	1	0	0.04	37.6	52.3
6	18		320	280	103	10	4.43	4246.3	1364.2
6	19		6	7	2	0	0.08	75.2	29.6
6	42		45	59	15	3	0.71	676.4	236.5
6	43		279	579	165	30	7.65	7327.6	1950.8
6	44		14	35	17	0	0.67	638.8	111.4
6	52		222	380	169	35	8.00	7665.8	1368.7
7	48		33	42	19	3	0.86	826.7	170.5
7	49		133	224	141	18	6.24	5974.8	811.7
7	50B		104	81	14	4	0.71	676.4	420.6
7	51B		102	376	76	18	3.69	3532.3	1086.8
8	53		388	200	113	22	5.29	5073.0	1336.9
8	54		189	564	361	39	15.69	15031.0	1712.1
8	55		56	413	296	40	13.18	12626.1	1066.3
5A	46		282	248	137	14	5.92	5674.2	1205.0
5A	47		300	517	174	16	7.45	7139.7	1857.6
5B	16		21	72	37	6	1.69	1615.8	211.4
5B	17		46	150	49	0	1.92	1841.3	445.6
5B	20		46	143	45	2	1.84	1766.1	429.7
5B	37		13	15	8	2	0.39	375.8	63.7
5B	38		30	60	11	2	0.51	488.5	204.6
5B	41		179	423	142	8	5.88	5636.6	1368.7
Total			3604	5994	2629	290	114.49	109689.1	21822.4

Table 27: Comparative estimates for number of trees (N/ha) and Tree Volumes V10 (m³/ha+A1767) by Block

Block	Compt	DBH	Gewa	Gewa	Sundri	Sundri	Other species	All Others	Total	Total
1	28		176	3063	1359	11148	44	1827.14	1579	16038
2	15		132	3036	741	10792	22	1796.11	895	15624
3	45		142	3019	708	10632	39	1789.13	889	15440
4	40		143	2999	797	10491	275	1771.05	1215	15262
5A	47		43	4.552	5	0.7104	66	17.1359	114	22.398
5B	41		120	16.2	489	98.758	133	61.0783	742	176.04
6	52		231	28.38	397	80.557	42	9.12299	670	118.06
7	51B		173	19.01	1	0.1077	15	5.69409	189	24.812
8	55		199	24.19	17	4.166	33	7.3186	249	35.673
All Blocks			1359	12210	4514	43247	669	7283.79	6542	62741

Table 28: Number of Saplings and Poles (N/ha) by Compartment and DBH class

Block	Comp.	Saplings				Total	Poles				Total
		Gewa	2.5-5	5-10	10-15		Sundri	2.5-5	5-10	10-15	
1	01	36.2	24.7	143.0	203.9	220.3	105.2	87.1	245.0	437.3	1.6
1	02	8.8	3.5	82.4	94.7	247.3	119.3	92.9	354.3	566.5	1.8
1	13	8.8	14.6	78.9	102.3	251.4	116.9	58.5	187.1	362.4	2.9
1	14	10.5	10.5	36.8	57.9	31.6	36.8	21.0	131.5	189.4	5.3
1	21	29.2	403.4	286.4	719.0	172.5	81.8	236.8	242.6	561.2	2.9
1	22	38.0	52.6	175.4	266.0	295.2	140.3	23.4	157.8	321.5	2.9
1	23	17.5	61.4	447.2	526.1	377.1	210.5	87.7	333.2	631.4	8.8
1	24	72.3	85.5	388.0	545.9	348.6	276.2	85.5	309.1	670.8	6.6
1	25	5.3	15.8	26.3	47.4	0.0	0.0	0.0	5.3	5.3	5.3
1	26	3.3	19.7	88.8	111.8	69.1	134.8	141.4	621.5	897.7	3.3
1	27	5.8	20.5	154.9	181.2	128.6	49.7	49.7	187.1	286.4	2.9
1	28	3.3	19.7	52.6	75.6	39.5	42.7	32.9	171.0	246.6	3.3
2	03	19.7	52.6	233.5	305.8	253.2	128.2	55.9	322.3	506.4	6.6
2	09	90.2	98.6	174.8	363.6	160.7	93.0	78.9	295.0	466.9	1.9
2	10	149.9	136.8	155.2	442.0	86.8	81.6	44.7	268.3	394.6	5.3
2	11	57.0	67.2	185.6	309.8	268.9	195.8	95.0	532.0	822.8	2.9
2	15	23.7	21.0	92.1	136.8	18.4	26.3	60.5	257.8	344.6	5.3
2	12A	8.8	105.2	192.9	306.9	61.4	114.0	17.5	280.6	412.1	17.5
2	12B	60.5	73.7	113.1	247.3	476.1	92.1	10.5	128.9	231.5	5.3
3	04	18.8	47.0	120.3	186.0	161.6	120.3	80.8	432.2	633.2	5.6
3	05	7.0	19.3	110.5	136.8	42.1	87.7	77.2	347.2	512.1	5.3
3	06	36.2	111.8	203.9	351.9	59.2	98.6	111.8	381.4	591.9	9.9
3	07	77.2	80.7	194.7	352.5	177.1	170.1	71.9	331.5	573.5	5.3
3	08	153.1	109.9	153.1	416.2	68.6	59.2	42.3	131.5	233.0	2.8
3	45	137.7	100.6	184.1	422.5	85.1	60.4	44.9	157.8	263.1	4.6
4	29	21.0	26.3	194.7	242.0	142.1	168.4	89.4	405.1	662.9	21.0
4	31	34.4	18.2	50.6	103.2	346.0	70.8	62.7	147.7	281.3	8.1
4	32	22.5	48.9	30.1	101.5	129.7	73.3	41.3	163.5	278.1	7.5
4	33	15.8	39.5	184.1	239.4	278.8	210.5	113.1	278.8	602.4	10.5
4	34	67.2	128.6	529.1	724.9	23.4	29.2	52.6	204.6	286.4	11.7
4	35	58.5	52.6	137.4	248.5	190.0	166.6	76.0	157.8	400.4	11.7
4	36	54.4	56.1	170.1	280.6	50.9	17.5	14.0	56.1	87.7	7.0
4	39	31.6	38.6	156.1	226.2	100.0	105.2	101.7	363.0	570.0	7.0
4	40	107.9	76.3	292.0	476.1	52.6	60.5	52.6	144.7	257.8	10.5
5A	46	115.2	102.7	231.7	449.7	86.4	33.8	15.0	0.0	48.9	0.0
5A	47	71.9	64.9	174.5	311.3	34.2	50.9	43.8	0.0	94.7	0.0
5B	16	13.8	33.2	214.6	261.7	74.8	59.5	65.1	0.0	124.6	0.0
5B	17	54.2	116.1	263.1	433.3	38.7	54.2	57.3	0.0	111.4	0.0
5B	20	58.5	90.6	154.9	304.0	40.9	52.6	40.9	0.0	93.5	0.0
5B	37	11.7	38.0	78.9	128.6	8.8	17.5	8.8	0.0	26.3	0.0
5B	38	8.8	21.0	59.6	89.4	8.8	17.5	28.1	0.0	45.6	0.0
5B	41	172.9	140.9	259.3	573.1	16.9	50.7	37.6	0.0	88.3	0.0
6	18	77.8	101.9	224.7	404.5	74.5	94.3	37.3	208.3	339.8	6.6
6	19	33.8	63.9	223.6	321.3	9.4	18.8	48.9	233.0	300.6	11.3
6	42	121.0	110.5	121.0	352.5	0.0	15.8	10.5	94.7	121.0	31.6
6	43	138.1	184.1	458.7	781.0	19.7	60.8	97.0	263.1	420.9	9.9
6	44	54.6	66.8	287.3	408.8	2.0	16.2	30.4	178.1	224.6	12.1

6	52	133.6	103.2	342.0	578.7	12.1	26.3	20.2	56.7	103.2	12.1
7	48	32.9	39.5	223.6	295.9	0.0	3.3	6.6	3.3	13.2	23.0
7	49	99.7	109.4	400.1	609.2	13.8	22.2	23.5	8.3	54.0	9.7
7	50B	16.4	144.7	927.3	1088.4	0.0	0.0	0.0	0.0	0.0	23.0
7	51B	155.2	160.5	239.4	555.1	0.0	0.0	0.0	0.0	0.0	18.4
8	53	227.2	107.6	514.2	849.0	114.8	52.6	31.1	0.0	83.7	19.1
8	54	26.3	52.6	141.8	220.7	58.5	62.8	35.1	0.0	97.9	11.7
8	55	68.6	127.0	368.3	563.9	0.0	0.0	0.0	0.0	0.0	9.2

Table 29: (Continued) Number of Saplings and Poles by Compartment and DBH class

Block	Comp.	DBH	Saplings	2.5-5	5-10	10-15	Grand total
1	01		184.1	51.0	3.3	238.4	879.6
1	02		28.1	10.5	24.6	63.1	724.3
1	13		17.5	5.8	2.9	26.3	491.1
1	14		15.8	15.8	0.0	31.6	278.8
1	21		11.7	5.8	11.7	29.2	1309.5
1	22		20.5	8.8	2.9	32.2	619.7
1	23		43.8	0.0	0.0	43.8	1201.3
1	24		26.3	13.2	6.6	46.0	1262.7
1	25		0.0	5.3	0.0	5.3	57.9
1	26		26.3	13.2	36.2	75.6	1085.1
1	27		76.0	78.9	46.8	201.7	669.4
1	28		118.4	72.3	95.4	286.1	608.3
2	03		85.5	26.3	13.2	125.0	937.2
2	09		4.7	0.0	3.8	8.5	839.0
2	10		2.6	0.0	0.0	2.6	839.2
2	11		17.5	7.3	2.9	27.8	1160.4
2	15		36.8	15.8	15.8	68.4	549.8
2	12A		43.8	61.4	0.0	105.2	824.3
2	12B		21.0	10.5	10.5	42.1	520.9
3	04		33.8	37.6	16.9	88.3	907.6
3	05		19.3	17.5	21.0	57.9	706.8
3	06		13.2	0.0	0.0	13.2	956.9
3	07		1.8	0.0	3.5	5.3	931.3
3	08		7.5	2.8	1.9	12.2	661.4
3	45		9.3	1.5	3.1	13.9	699.4
4	29		10.5	0.0	0.0	10.5	915.5
4	31		172.0	111.3	180.1	463.4	847.9
4	32		41.3	45.1	63.9	150.3	529.9
4	33		28.9	5.3	13.2	47.4	889.2
4	34		32.2	17.5	0.0	49.7	1061.0
4	35		32.2	32.2	38.0	102.3	751.2
4	36		35.1	3.5	33.3	71.9	440.2
4	39		42.1	17.5	15.8	75.4	871.6
4	40		57.9	5.3	0.0	63.1	797.1
5A	46		8.8	1.3	7.5	17.5	868.1
5A	47		0.9	0.0	0.0	0.9	291.1

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5B	16		0.0	1.4	5.5	6.9	131.5
5B	17		0.0	4.6	3.1	7.7	1138.9
5B	20		0.0	0.0	11.7	11.7	926.6
5B	37		8.8	0.0	2.9	11.7	996.7
5B	38		85.9	3.5	5.3	94.7	259.6
5B	41		1.9	0.0	3.8	5.6	905.7
6	18		0.0	0.0	2.2	2.2	365.0
6	19		0.0	0.0	5.6	5.6	402.1
6	42		0.0	0.0	0.0	0.0	0.0
6	43		8.2	9.9	3.3	21.4	662.6
6	44		4.0	0.0	26.3	30.4	471.5
6	52		0.0	0.0	0.0	0.0	997.6
7	48		9.9	0.0	23.0	32.9	1341.6
7	49		55.4	24.9	26.3	106.6	747.7
7	50B		141.4	29.6	32.9	203.9	1121.3
7	51B		42.1	2.6	2.6	47.4	973.3
8	53		9.6	9.6	16.7	35.9	361.1
8	54		19.0	8.8	16.1	43.8	121.3
8	55		10.3	0.0	3.4	13.7	101.8