

7.20
NAGALAND

Geographical Area	16,579 sq km
Population (as per Census 2011)	1.98 million
Urban	0.57 million (28.79%)
Rural	1.41 million (71.21%)
Tribal	1.71 million (86.48%)
Average Population Density	119 per sq km
Livestock population (as per 18th Live Stock Census)	1.42 million
No. of Districts (as per Census 2001)	8
No. of Hill Districts	8
No. of Tribal Districts	8

Land Use Pattern

Land Use	Area in '000 ha	Percentage
Total Geographical Area	1,658	
Reporting area for land utilization	1,652	100
Forests	863	52.24
Not available for cultivation	95	5.76
Permanent pastures and other grazing lands	0	0
Land under Misc. Tree crops and groves	94	5.67
Culturable wasteland	70	4.26
Fallow lands other than current fallows	99	6.02
Current fallows	50	3.03
Net area sown	380	23.02

Source: Landuse Statistics, Ministry of Agriculture, GOI, 2012-13.

Forest Cover Within Green Wash

Very Dense Forest	1,162 sq km
Moderately Dense Forest	3,308 sq km
Open Forest	4,442 sq km
Sub Total	8,912 sq km

Forest Cover Outside Green Wash

Very Dense Forest	134 sq km
Moderately Dense Forest	1,387 sq km
Open Forest	2,533 sq km
Sub Total	4,054 sq km

Total Forest Cover	12,966 sq km
Tree Cover	381 sq km
Total Forest & Tree Cover	13,347 sq km
Per capita Forest & Tree Cover	0.675 ha
Of State's Geographical Area	80.50 %
Of India's Forest & Tree Cover	1.68 %

Forest Cover Informatics in Different Patch Size Class

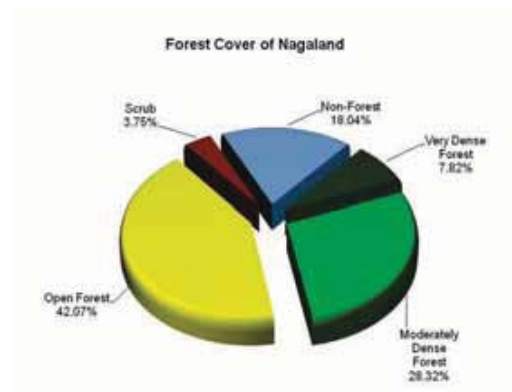
S.No.	Patch Size Range in (sq km)	No. of Patches	Area (sq km)	%age
1.	<= 0.01 <=1.0	4,108	174	1.34
2.	> 1.0 <= 10	26	67	0.52
3.	> 10 <= 100	0	0	0
4.	> 100 <= 500	0	0	0
5.	> 500 <= 1000	0	0	0
6.	> 1000 <= 5000	0	0	0
7.	> 5000 <= 10000	0	0	0
8.	> 10000	1	12,725	98.14
	Total	4,135	12,966	100

Forest Types

(Area in km²)

Forest Type	Area	Percent
2B/2S2 Eastern Alluvial Secondary Semi Ever Green	1,313.48	9.57
2/2S1 Secondary Moist Bamboo Brakes	929.89	6.77
1B/C1 Assam Valley Tropical Wet Evergreen Forest	68.03	0.49
3C/C3B East Himalayan Moist Mixed Deciduous Forest	6,512.67	47.43
8B/C2 Khasi Subtropical Wet Hill Forest	2,137.29	15.56
9/C2 Assam Subtropical Pine Forest	1,028.37	7.49
11B/C2 Naga Hill Wet Temperate Forest	1,742.08	12.69
Plantation/TOF	0.19	0.00
Total	13,732.00	100

Source: Atlas Forest Types of India, 2011



Growing Stock

Growing Stock in Recorded Forest Area	36.85 million cum
Growing Stock in TOF	12.20 million cum

Recorded Forest Area

Reserved Forest	86 sq km
Protected Forest	508 sq km
Unclassed Forest	8,628 sq km
Total	9,222 sq km
Of State's Geographical Area	55.62%
Of India's Forest Area	1.21 %

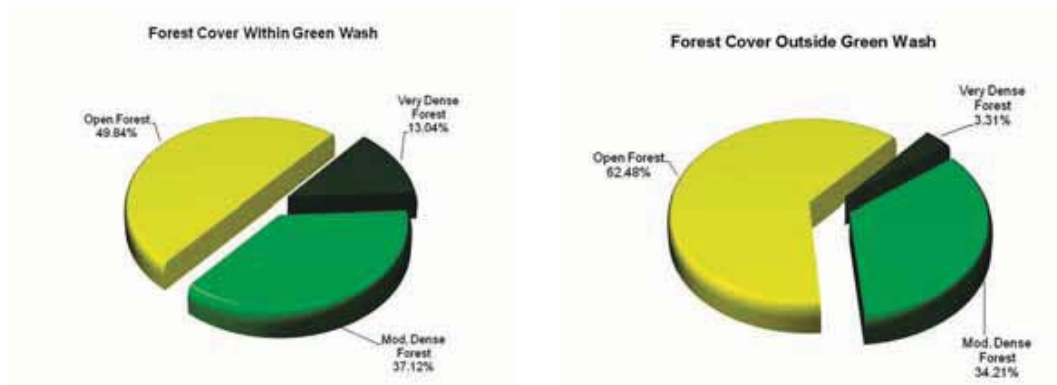


Table 7.20a : District-wise Forest Cover of Nagaland

District-wise Forest Cover

(Area in km²)

District	Geo-graphical Area	Very Dense Forest	Mod. Dense Forest	Open Forest	Total	Percent of GA	Change	Scrub
Dimapur TH	758	0	73	338	411	54.22	-16	2
Kohima TH	3,283	290	1,130	1,443	2,863	87.21	-34	115
Mokokchung TH	1,615	3	514	827	1,344	83.22	-16	39
Mon TH	1,786	32	446	792	1,270	71.11	67	136
Phek TH	2,026	275	652	757	1,684	83.12	-8	77
Tuensang TH	4,228	610	1,014	1,458	3,082	72.89	-44	171
Wokha TH	1,628	1	483	856	1,340	82.31	-14	13
Zunheboto TH	1,255	85	383	504	972	77.45	-13	69
Grand Total	16,579	1,296	4,695	6,975	12,966	78.21	-78	622

Fig. 7.20 Forest Cover of Nagaland

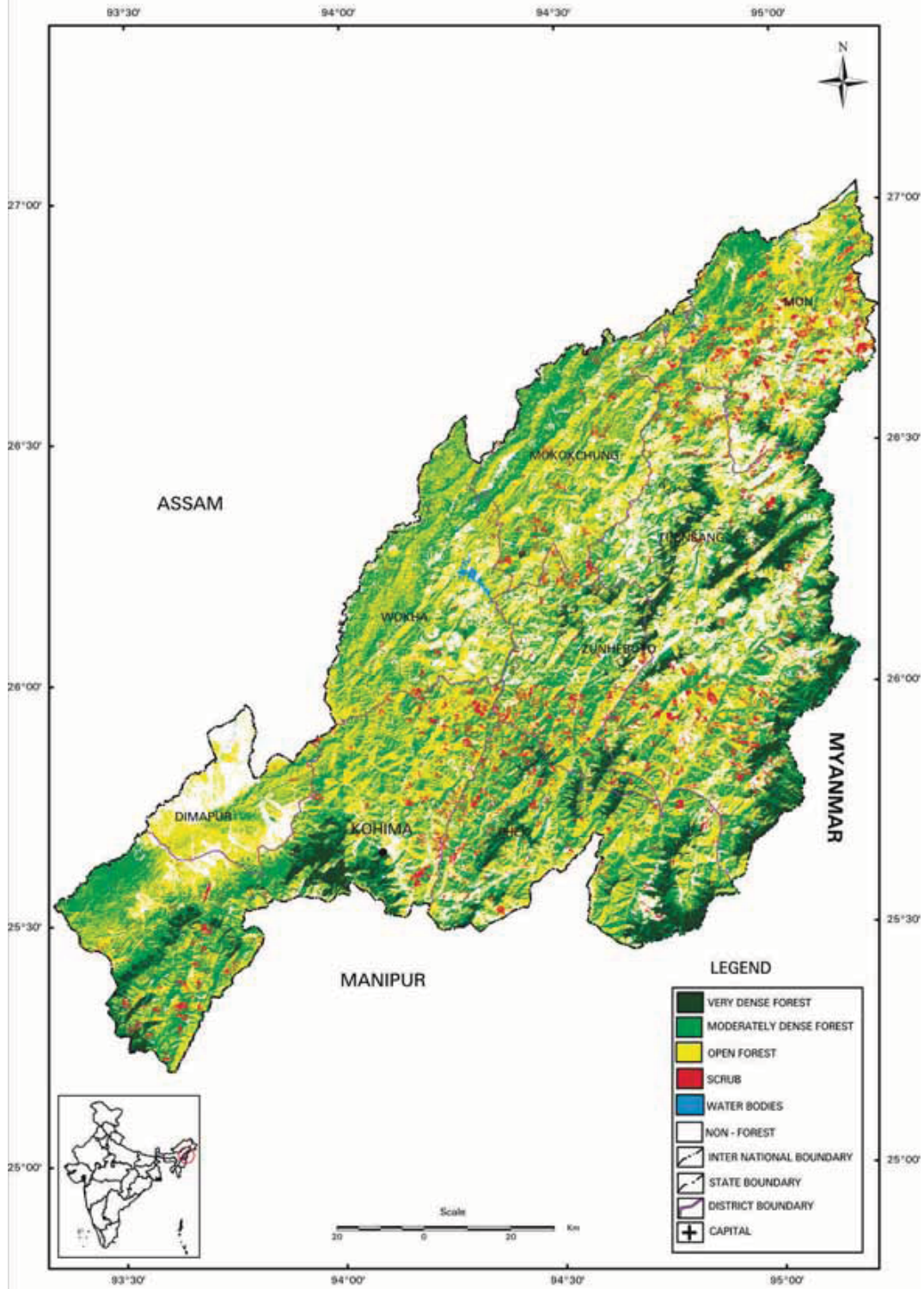


Table 7.20b : Change Matrix of Nagaland

Forest Cover Change Matrix						(Area in km ²)
Class	2015 Assessment					Total ISFR 2013
	VDF	MDF	OF	Scrub	NF	
Very Dense Forest	1,296	0	0	0	2	1,298
Moderately Dense Forest	0	4,695	6	1	34	4,736
Open Forest	0	0	6,771	40	199	7,010
Scrub	0	0		2	0	2
Non-Forest	0	0	198	579	2,756	3,533
TOTAL ISFR 2015	1,296	4,695	6,975	622	2,991	16,579
Net Change	-2	-41	-35	620	-542	

Table 7.20c : Altitude-wise Forest Cover of Nagaland

Altitude-wise Forest Cover					(Area in km ²)
Altitude Zone	VDF	MDF	OF	Total	
0-500m	0	1,212	1,933	3,145	
500-1000m	26	1,375	2,431	3,832	
1000-2000m	661	1,863	2,462	4,986	
2000-3000m	599	239	145	983	
Above 3000m	10	6	4	20	
Total	1,296	4,695	6,975	12,966	

(Based on SRTM, Digital Elevation Model)

Reasons for change detected in 2015 assessment:

The main reasons for decrease in forest cover are shifting cultivation and other biotic pressure on forest lands.