

Land Use Pattern						
Land Use	Area in '000 ha	Percentage				
Total Geographical Area	8,374					
Reporting area for land utilization	5,659	100				
Forests	5,154	91.07				
Not available for cultivation	64	1.13				
Permanent pastures and other grazing lands	19	0.33				
Land under Misc. Tree crops and groves	37	0.65				
Culturable wasteland	65	1.15				
Fallow lands other than current fallows	70	1.23				
Current fallows	40	0.71				
Net area sown	211	3.73				

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

Forest Cover Within Green Wash	
Very Dense Forest	13,158 sq km
Moderately Dense Forest	20,586 sq km
Open Forest	9,739 sq km
Sub Total	43,483 sq km
Forest Cover Outside Green Wash	
Very Dense Forest	7,646 sq km
Moderately Dense Forest	10,715 sq km
Open Forest	5,404 sq km
Sub Total	23,765 sq km
Total Forest Cover	67,248 sq km
Tree Cover	761 sq km
Total Forest & Tree Cover	68,009 sq km
Per capita Forest & Tree Cover	4.93 ha
Of State's Geographical Area	81.21%
Of India's Forest & Tree Cover	8.56 %

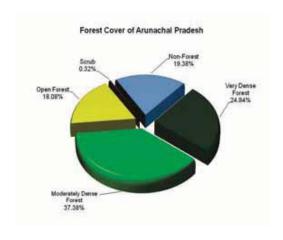
^{*}Five toposheets of 1:250,000 scale were not available and corresponding green wash area could not be digitized.

S.No.	Patch Size Range in (sq km)		1 1 1	%age
1.	>=0.01 <= 1.0	9,066	540	0.80
2.	> 1.0 <= 10	143	347	0.52
3.	> 10 <= 100	13	254	0.38
4.	> 100 <= 500	1	101	0.15
5.	> 500 <= 1000	0	0	0.00
6.	> 1000 <= 5000	1	1,206	1.79
7.	> 5000 <= 10000	0	0	0.00
8.	> 10000	1	64,800	96.36
	Total	9,225	67,248	100

Forest Types	(Area in km²)	
Forest Type	Area	Percent
3B/C2 Southern Moist Mixed Deciduous Forest	2,214.44	4.08
4A/L1 Littoral Forest	22.34	0.04
4B/TS2 Mangrove Forest	288.01	0.53
5A/C1b Dry Teak Forest	6,031.79	11.12
5A/C2 Dry Red Sanders-Bearing Forest	788.21	1.46
5A/C3 Southern Dry Mixed Deciduous Forest	30,130.64	55.56
5B/C2 Northern Dry Mixed Deciduous Forest	0.95	0
5/DS1 Dry Deciduous Scrub	9,626.25	17.75
5/DS2 Dry Savannah Forest	72	0.13
5/E4 Hardwickia Forest	0.83	0
5/E9 Dry Bamboo Brakes	377.33	0.7
5/2S1 Secondary Dry Deciduous Forest	1,115.21	2.06

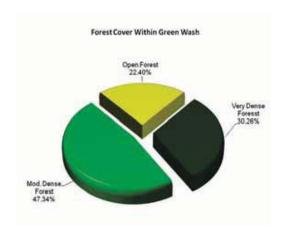
Forest Types	(Area in km²)		
Forest Type	Area	Percent	
6A/C1 Southern Thorn Forest	2,349.67	4.33	
6A/C2 Karnatak Umbrella Thorn Forest	101.32	0.19	
7/C1 Tropical Dry Evergreen Forest	528.06	0.97	
Plantation / TOF	586.95	1.08	
Total	54,234.00	100	

Source: Atlas Forest Types of India, 2011



Growing Stock	
Growing Stock in Recorded Forest Area	413.12 million cum
Growing Stock in TOF	89.10 million cum
Recorded Forest Area	
Reserved Forest	10,589 sq km
Protected Forest	9,779 sq km
Unclassed Forest	31 030 ca km

9,779 sq km
31,039 sq km
51,407 sq km
61.39 %
6.72 %



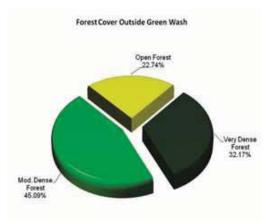


Figure 7.2: Forest Cover Map of Arunachal Pradesh

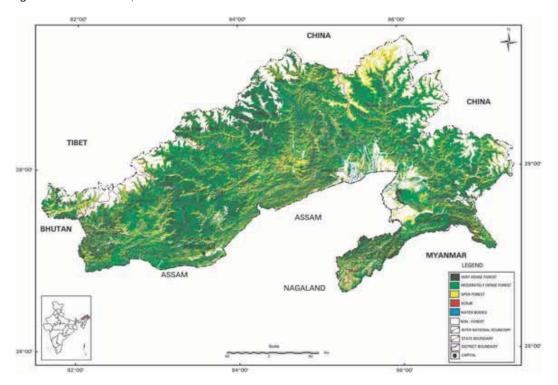


Table 7.2a: District-wise Forest Cover of Arunachal Pradesh

District-wise Forest Cover (Area in km²)								
District	Geo- graphical Area	Very Dense Forest	Mod. Dense Forest	Open Forest	Total	Percent of GA	Change w.r.t. ISFR 2013	Scrub
Changlang [™]	4,662	1,860	1,445	924	4,229	90.71	-2	3
Dibang Valley [™]	13,029	1,696	4,973	2,652	9,321	71.54	-1	9
Kameng East & Kameng West [™]	11,556	3,422	4,653	2,145	10,220	88.44	- 25	37
Lohit [™]	11,402	1,962	4,008	1,624	7,594	66.60	-17	13
Popumpare [™]	3,462	990	1,542	701	3,233	93.39	-12	3
Siang East [™]	3,655	881	1,253	704	2,838	77.65	21	15
Siang Upper [™]	7,050	1,634	2,612	1,363	5,609	79.56	-13	16
Siang West [™]	7,813	2,470	2,708	1,592	6,770	86.65	2	6
Subansiri Lower TH	9,548	3,002	4,236	1,419	8,657	90.67	-19	27
Subansiri Upper [™]	7,032	1,876	2,742	1,187	5,805	82.55	- 9	28
Tawang [™]	2,172	366	486	374	1,226	56.45	0	18
Tirap [™]	2,362	645	643	458	1,746	73.92	2	89
Grand Total	83,743	20,804	31,301	15,143	67,248	80.30	-73	264

Table 7.2b: Change Matrix of Arunachal Pradesh

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		2015 Assessment					
Class	VDF	MDF	OF	Scrub	NF	Total ISFR 2013	
Very Dense Forest	2,0804	0	0	0	24	20,828	
Moderately Dense Forest	0	31,293	0	0	121	31,414	
Open Forest	0	0	14,876	0	203	15,079	
Scrub	0	0	0	120	1	121	
Non Forest	0	8	267	144	15,882	16,301	
Total ISFR 2015	20,804	31,301	15,143	264	16,231	83,743	
Net Change	-24	- 113	64	143	- 70		

Table 7.2c: Altitude-wise Forest Cover of Arunachal Pradesh

Altitude-wise Forest Cover (Area in km					
Altitude Zone	VDF	MDF	OF	Total	
0-500m	1,593	3,492	2,165	7,250	
500 - 1000m	2,828	4,178	3,281	10,287	
1000-2000m	7,743	10,167	4,634	22,544	
2000-3000m	6,465	9,102	1,730	17,297	
3000-4000m	2,139	4,132	2,911	9,182	
>4000m	36	230	422	688	
Total	20,804	31,301	15,143	67,248	

Reasons for change detected in 2015 assessment:

The main reasons of negative change in forest cover of the state are shifting cultivation and diversion of forest areas for developmental purposes. Positive changes in some districts are due to regeneration of Bamboo and other miscellaneous species.

