

**Geographical Area**78,438 km²**Geographical Coordinates**

Latitude 24°07' N to 28°00' N

Longitude 89°42' E to 96°02' E

Population (as per Census 2011)

31.21 million

Urban 4.40 million (14.10 %)

Rural 26.81 million (85.90 %)

Tribal 3.88 million (12.45 %)

Average Population Density398 per km²**Livestock Population**(as per 19th Livestock Census)

19.08 million

No. of Districts

33

No. of Hill Districts

5

No. of Tribal Districts

19

Table 10.3.1 Land Use Pattern

Land Use Types	Area (in '000 ha)	Percentage
Geographical Area	7,844	
Reporting area for land utilization	7,831.03	100.00
Forests	1,828.94	23.36
Not available for land cultivation	2,507.17	32.01
Permanent pastures and other grazing lands	173.85	2.22
Land under misc. tree crops and groves	212.41	2.71
Culturable wasteland	149.79	1.91
Fallow land other than current fallows	95.66	1.22
Current fallows	114.09	1.46
Net area sown	2,749.12	35.11

Source: Land Use Statistics, Ministry of Agriculture and Farmer's Welfare, GOI, (2021-22).

10.3.1 Forest Cover

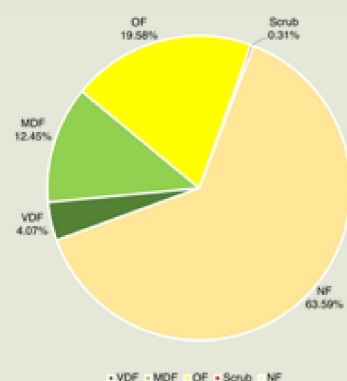


Table 10.3.2 Forest Cover of Assam

(km ²)		
Class	Area	% of Calculated Area by Sol
VDF	3,189.71	4.07
MDF	9,764.54	12.45
OF	15,359.30	19.58
Total	28,313.55	36.10
Scrub	240.93	0.31

Figure 10.3.1 Forest Cover of Assam

Table 10.3.3 District-wise Forest Cover in Assam

(km ²)								
District	Calculated Area by Sol	2023 Assessment				% of Calculated Area by Sol	Change w.r.t. 2021 Raster based*	Scrub
		Very Dense Forest	Mod. Dense Forest	Open Forest	Total			
Baksa	2,444	165.45	135.35	285.71	586.51	24.00	7.43	8.09
Barpeta	2,282	0.00	34.18	85.40	119.58	5.24	-0.77	0.70
Biswanath	2,224	26.24	52.40	279.68	358.32	16.11	5.21	9.92
Bongaigaon	1,140	0.00	58.36	178.32	236.68	20.76	-1.47	1.15
Cachar	3,780	191.71	960.90	1,031.90	2,184.51	57.79	-16.77	12.00
Charaideo	1,015	8.97	84.77	266.97	360.71	35.54	0.47	4.43
Chirang	1,911	361.20	126.69	219.47	707.36	37.02	-14.38	7.81
Darrang	1,586	0.00	14.43	99.48	113.91	7.18	2.61	2.28
Dhemaji	2,513	53.67	88.36	152.00	294.03	11.70	15.36	6.83
Dhubri	1,632	1.45	14.73	72.31	88.49	5.42	1.94	3.40
Dibrugarh	3,397	106.03	68.70	591.86	766.59	22.57	0.64	11.30
Dima Hasao ^H	4,880	295.97	1,404.33	2,334.61	4,034.91	82.68	-93.27	9.66
Goalpara	1,913	14.80	144.88	275.18	434.86	22.73	11.60	1.94
Golaghat	3,215	23.39	117.97	519.34	660.70	20.55	36.06	12.81
Hailakandi	1,328	17.25	364.08	391.85	773.18	58.22	-16.60	0.88
Hojai ^H	1,460	24.32	230.59	193.78	448.69	30.73	0.52	2.67
Jorhat	1,865	13.36	110.27	474.90	598.53	32.09	18.79	11.75
Kamrup	3,127	50.83	446.14	485.80	982.77	31.43	6.30	5.20
Kamrup Metropolitan	971	0.00	229.98	241.05	471.03	48.51	-2.11	1.21
Karbi Anglong ^H	7,319	524.86	2,932.74	2,167.02	5,624.62	76.85	22.88	42.74
Karimganj	1,813	3.33	292.83	544.79	840.95	46.38	-2.70	1.33
Kokrajhar	3,111	545.76	206.96	389.97	1,142.69	36.73	-3.16	5.00
Lakhimpur	2,926	40.44	116.05	269.56	426.05	14.56	11.05	2.49
Majuli	1,278	0.00	3.84	30.92	34.76	2.72	4.24	1.29
Morigaon	1,512	16.03	54.21	125.46	195.70	12.94	3.25	1.76
Nagaon ^H	2,569	36.16	129.61	320.66	486.43	18.93	-0.02	7.49
Nalbari	1,052	0.00	31.05	82.69	113.74	10.81	0.08	0.02



Table 10.3.3 District-wise Forest Cover in Assam

District	Calculated Area by Sol	2023 Assessment				% of Calculated Area by Sol	Change w.r.t. 2021 Raster based*	Scrub
		Very Dense Forest	Mod. Dense Forest	Open Forest	Total			
Sivasagar	1,628	0.00	61.65	276.55	338.20	20.77	3.90	4.22
Sonitpur	3,018	83.70	201.21	435.19	720.10	23.86	-2.02	9.77
South Salmara-Mankachar	605	0.00	6.65	17.49	24.14	3.99	-1.94	0.07
Tinsukia	3,840	405.45	341.23	832.08	1,578.76	41.11	3.65	21.52
Udalguri	2,013	7.47	78.69	325.69	411.85	20.46	-3.33	5.85
West Karbi Anglong [†]	3,071	171.87	620.71	1,361.62	2,154.20	70.15	-9.20	23.35
Grand Total	78,438	3,189.71	9,764.54	15,359.30	28,313.55	36.10	-11.76	240.93

*Area figure calculated without normalization factor.

Table 10.3.4 Forest Cover in Municipal Areas of Assam

Sl. No.	Name of Urban Local Body	Area as per Digitized Boundary*	2023 Assessment				% of Total Forest Cover w.r.t. Area of Digitized Boundary	Scrub
			Very Dense Forest	Mod. Dense Forest	Open Forest	Total Forest Cover		
1	Abhayapuri	5.28	0.00	0.00	0.98	0.98	18.56	0.00
2	Amguri	1.93	0.00	0.02	0.14	0.16	8.29	0.00
3	Badarpur	4.04	0.00	0.00	1.34	1.34	33.17	0.00
4	Baithalangso	25.77	1.56	1.18	5.94	8.68	33.68	2.04
5	Bakalia	16.04	0.00	0.06	1.28	1.34	8.35	0.00
6	Barpathar	3.32	0.00	0.00	0.25	0.25	7.53	0.00
7	Barpeta Road	4.09	0.00	0.00	0.12	0.12	2.93	0.00
8	Barpeta Town	23.15	0.00	0.00	0.93	0.93	4.02	0.00
9	Basugaon	3.90	0.00	0.05	0.54	0.59	15.13	0.00
10	Bihpuria	5.44	0.00	0.00	0.37	0.37	6.80	0.00
11	Bijni	2.94	0.00	0.02	0.27	0.29	9.86	0.00
12	Bilasipara	3.03	0.00	0.00	0.09	0.09	2.97	0.00
13	Biswanath Chariali	57.68	0.00	0.56	9.97	10.53	18.26	0.11
14	Bokajan	9.72	0.00	0.00	0.65	0.65	6.69	0.00
15	Bokakhat	30.41	0.00	0.03	6.53	6.56	21.57	0.20
16	Bongaigaon	11.89	0.00	0.59	1.25	1.84	15.48	0.00
17	Chabua	0.92	0.00	0.00	0.02	0.02	2.17	0.00
18	Chapor	10.21	0.14	0.66	0.11	0.91	8.91	0.00
19	Chopakhowa	5.30	0.00	0.00	0.11	0.11	2.08	0.17
20	Demow	4.67	0.00	0.00	0.51	0.51	10.92	0.00
21	Dergaon	1.43	0.00	0.00	0.32	0.32	22.38	0.00
22	Dhakuakhana	5.18	0.00	0.00	0.67	0.67	12.93	0.00
23	Dhekiajuli	4.23	0.00	0.02	0.40	0.42	9.93	0.00
24	Dhemaji	18.81	0.00	0.13	1.71	1.84	9.78	0.00
25	Dhing	10.77	0.00	0.00	2.53	2.53	23.49	0.00

Table 10.3.4 Forest Cover in Municipal Areas of Assam(km²)

Sl. No.	Name of Urban Local Body	Area as per Digitized Boundary*	2023 Assessment				% of Total Forest Cover w.r.t. Area of Digitized Boundary	Scrub
			Very Dense Forest	Mod. Dense Forest	Open Forest	Total Forest Cover		
26	Dhubri	0.61	0.00	0.00	0.00	0.00	0.00	0.00
27	Dibrugarh	13.96	0.00	0.01	0.80	0.81	5.80	0.00
28	Digboi	4.46	0.00	0.04	0.03	0.07	1.57	0.00
29	Diphu	9.61	0.00	0.01	0.86	0.87	9.05	0.00
30	Doboka	2.79	0.00	0.00	0.68	0.68	24.37	0.00
31	Dokmoka	22.43	0.00	0.03	2.03	2.06	9.18	0.00
32	Donkamokam	10.76	0.00	0.47	2.59	3.06	28.44	0.00
33	Doomdooma	2.22	0.00	0.00	0.15	0.15	6.76	0.00
34	Fakiragram	8.26	0.00	0.29	0.38	0.67	8.11	0.00
35	Gauripur Town	123.50	0.00	0.22	3.75	3.97	3.21	0.00
36	Goalpara MP	83.65	2.59	5.45	17.30	25.34	30.29	0.00
37	Gohpur	14.82	0.00	0.10	1.22	1.32	8.91	0.00
38	Golaghat	7.14	0.00	0.00	0.56	0.56	7.84	0.00
39	Golakganj	5.00	0.00	0.01	0.32	0.33	6.60	0.00
40	Goreswar	6.99	0.00	0.17	0.49	0.66	9.44	0.00
41	Gossaigaon	21.83	0.00	0.30	0.82	1.12	5.13	0.00
42	Guwahati	176.22	0.00	12.40	17.01	29.41	16.69	0.36
43	Haflong	16.96	0.00	2.05	3.24	5.29	31.19	0.01
44	Hailakandi	7.17	0.00	0.00	1.08	1.08	15.06	0.00
45	Hamren1	1.57	0.00	0.00	0.49	0.49	31.21	0.00
46	Hamren3	0.29	0.00	0.00	0.03	0.03	10.34	0.00
47	Hamren4	0.25	0.00	0.00	0.07	0.07	28.00	0.00
48	Hamren5	0.38	0.00	0.00	0.24	0.24	63.16	0.00
49	Hamren6	0.45	0.00	0.00	0.02	0.02	4.44	0.00
50	Hojai	4.78	0.00	0.00	0.00	0.00	0.00	0.00
51	Howly	5.41	0.00	0.27	0.39	0.66	12.20	0.00
52	Howraghat	2.37	0.00	0.00	0.23	0.23	9.70	0.00
53	Jamugurighat	8.39	0.00	0.41	0.95	1.36	16.21	0.00
54	Jorhat	9.69	0.00	0.01	0.15	0.16	1.65	0.00
55	Kajalgaon1	4.59	0.00	0.00	0.63	0.63	13.73	0.00
56	Kajalgaon2	1.71	0.00	0.00	0.16	0.16	9.36	0.00
57	Kajalgaon3	1.60	0.00	0.27	0.05	0.32	20.00	0.00
58	Kajalgaon4	6.37	0.00	0.19	0.87	1.06	16.64	0.00
59	Kampur	6.10	0.00	0.09	0.67	0.76	12.46	0.00
60	Karimganj	6.11	0.00	0.00	0.29	0.29	4.75	0.00
61	Kokrajhar	6.29	0.00	0.00	0.20	0.20	3.18	0.00
62	Lakhipur	5.24	0.00	0.00	0.14	0.14	2.67	0.00
63	Lakhipur2	4.05	0.00	0.00	0.21	0.21	5.19	0.00
64	Lala	2.93	0.00	0.13	0.78	0.91	31.06	0.00
65	Langhin	8.78	0.00	0.00	0.86	0.86	9.79	0.00
66	Lanka	10.26	0.00	0.00	0.27	0.27	2.63	0.00
67	Lumding	4.58	0.00	0.00	0.23	0.23	5.02	0.00



Table 10.3.4 Forest Cover in Municipal Areas of Assam

Sl. No.	Name of Urban Local Body	Area as per Digitized Boundary*	2023 Assessment				% of Total Forest Cover w.r.t. Area of Digitized Boundary	Scrub
			Very Dense Forest	Mod. Dense Forest	Open Forest	Total Forest Cover		
68	Mahur	2.13	0.00	0.30	0.37	0.67	31.46	0.00
69	Maibang	8.25	0.00	0.85	1.23	2.08	25.21	0.00
70	Makum	3.04	0.00	0.08	0.10	0.18	5.92	0.00
71	Mangaldoi	5.30	0.00	0.00	0.41	0.41	7.74	0.00
72	Margherita	18.49	0.00	0.09	3.72	3.81	20.61	0.00
73	Mariani	3.35	0.00	0.00	0.50	0.50	14.93	0.06
74	Moran	1.57	0.00	0.00	0.09	0.09	5.73	0.00
75	Morigaon	6.66	0.00	0.00	0.51	0.51	7.66	0.00
76	Nagaon	12.56	0.00	0.00	0.27	0.27	2.15	0.00
77	Naharkatiya	28.51	0.00	0.13	9.07	9.20	32.27	0.64
78	Nalbari	13.54	0.00	0.04	0.88	0.92	6.79	0.00
79	Namrup	31.57	0.00	0.00	8.34	8.34	26.42	0.03
80	Narayanpur	7.82	0.00	0.00	0.63	0.63	8.06	0.00
81	Nazira	2.78	0.00	0.02	0.12	0.14	5.04	0.00
82	North Lakhimpur	14.46	0.00	0.29	0.89	1.18	8.16	0.00
83	Palashbari Town	1.93	0.00	0.00	0.00	0.00	0.00	0.00
84	Patarkuchi	2.31	0.00	0.09	0.48	0.57	24.68	0.00
85	Pathchala	10.57	0.00	0.30	0.62	0.92	8.70	0.00
86	Raha	5.04	0.00	0.00	1.05	1.05	20.83	0.00
87	Ramkrishna Nagar	45.62	0.00	0.33	13.93	14.26	31.26	0.00
88	Rangia Town	8.28	0.00	0.02	0.31	0.33	3.99	0.00
89	Sarthebari	2.99	0.00	0.13	0.52	0.65	21.74	0.00
90	Sarupathar	9.88	0.00	0.04	1.64	1.68	17.00	0.00
91	Silapthar	10.58	0.00	0.13	1.20	1.33	12.57	0.00
92	Silchar	14.48	0.00	0.00	0.46	0.46	3.18	0.00
93	Simaluguri	3.40	0.00	0.20	0.13	0.33	9.71	0.00
94	Sipajhar	8.18	0.00	0.00	1.18	1.18	14.43	0.00
95	Sivsagar	7.41	0.00	0.05	0.04	0.09	1.21	0.00
96	Sonai	10.34	0.00	0.43	1.58	2.01	19.44	0.00
97	Sonari	22.25	0.00	0.22	8.97	9.19	41.30	0.12
98	Sootea	10.67	0.00	0.14	1.62	1.76	16.49	0.00
99	Sorbhog	3.28	0.00	0.00	1.04	1.04	31.71	0.00
100	Tangla	3.19	0.00	0.00	0.26	0.26	8.15	0.00
101	Teok	6.92	0.00	0.18	1.17	1.35	19.51	0.03
102	Tezpur	140.30	0.66	2.22	12.33	15.21	10.84	0.00
103	Tihu	7.38	0.00	0.37	0.74	1.11	15.04	0.00
104	Tinsukia	11.08	0.00	0.00	0.09	0.09	0.81	0.00
105	Titabar	10.42	0.00	0.40	1.00	1.40	13.44	0.00
106	Udalguri	35.06	0.00	0.44	3.82	4.26	12.15	0.00
107	Umrangshu	12.71	0.00	0.00	5.56	5.56	43.75	0.15
Grand Total		1,475.02	4.95	33.73	185.14	223.82	15.17	3.92

*Shapefile of digitized boundary as provided by Department of Housing & Urban Affairs.



10.3.2 Forest Cover Inside and Outside Recorded Forest Area (or Green Wash)

The Forest Cover inside and outside Recorded Forest Area (RFA) has been analysed in different categories and presented in table given below.

Table 10.3.5 Forest Cover Inside and Outside Recorded Forest Area (or Green Wash) in Assam

Forest Cover Inside the Recorded Forest Area (or Green Wash)				Forest Cover Outside the Recorded Forest Area (or Green Wash)			
VDF	MDF	OF	Total	VDF	MDF	OF	Total
2,833.31	8,333.78	8,529.64	19,696.73	356.40	1,430.76	6,829.66	8,616.82
14.38%	42.31%	43.31%		4.14%	16.60%	79.26%	

*In case of Assam, GW boundaries have been used.

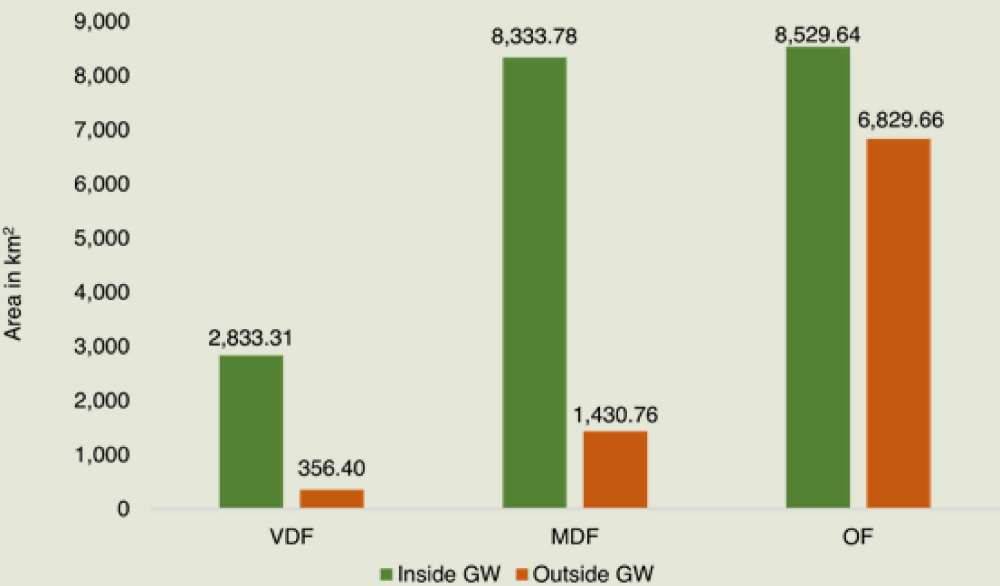


Figure 10.3.2 Forest Cover Inside and Outside of GW in Assam



Table 10.3.6 Forest Cover Change Matrix Inside RFA/GW for Assam between 2021 Raster based and 2023 Assessments

Class	2023 Assessment inside RFA/GW					(km ²)
	VDF	MDF	OF	Scrub	NF	Total ISFR 2021 inside RFA / GW Raster based*
VDF	2,745.46	14.06	1.58	0.09	28.49	2,789.68
MDF	86.21	8,251.43	12.87	1.74	115.85	8,468.10
OF	0.83	53.89	8,175.69	13.59	281.61	8,525.61
Scrub	0.11	0.16	47.22	63.22	10.25	120.96
NF	0.70	14.24	292.28	23.91	7,310.02	7,641.15
Total ISFR 2023 inside RFA/GW	2,833.31	8,333.78	8,529.64	102.55	7,746.22	27,545.50
Net Change	43.63	-134.32	4.03	-18.41	105.07	

*Area figure calculated without normalization factor.

Table 10.3.7 Forest Cover Change Matrix Outside RFA/GW for Assam between 2021 Raster based and 2023 Assessments

Class	2023 Assessment outside RFA/GW					(km ²)
	VDF	MDF	OF	Scrub	NF	Total ISFR 2021 outside RFA / GW Raster based*
VDF	354.37	0.57	0.00	0.00	2.21	357.15
MDF	1.56	1,409.16	7.73	0.11	12.73	1,431.29
OF	0.11	17.42	6,599.16	10.23	126.56	6,753.48
Scrub	0.00	0.02	14.07	88.59	12.23	114.91
NF	0.36	3.59	208.70	39.45	41,983.57	42,235.67
Total ISFR 2023 outside RFA/GW	356.40	1,430.76	6,829.66	138.38	42,137.30	50,892.50
Net Change	-0.75	-0.53	76.18	23.47	-98.37	

*Area figure calculated without normalization factor.

Table 10.3.8 Altitude-wise Forest Cover in Assam

Altitude Zone (m)	Calculated Area by Sol					(km ²)
		VDF	MDF	OF	Total	Scrub
0-500	72,348	2,476.80	7,617.87	12,891.33	22,986.00	200.61
500-1000	5,315	523.42	1,905.44	2,205.92	4,634.78	37.24
1000-2000	775	189.49	241.23	262.05	692.77	3.08
Total	78,438	3,189.71	9,764.54	15,359.30	28,313.55	240.93

(based on SRTM, Digital Elevation Model, 30 m, 2016).

Table 10.3.9 Forest Cover in Different Slope Classes in Assam

(km ²)						
Slope (in degrees)	Calculated Area by Sol	VDF	MDF	OF	Total	Scrub
0-5	61,901	1,822.49	3,750.68	8,944.72	14,517.89	179.01
5-10	6,929	428.75	2,220.90	2,448.12	5,097.77	28.24
10-15	4,156	290.04	1,610.51	1,728.53	3,629.08	16.39
15-20	2,643	235.20	1,059.73	1,121.95	2,416.88	9.67
20-25	1,511	176.82	609.15	629.02	1,414.99	4.80
25-30	759	116.33	302.55	301.20	720.08	1.96
>30	539	120.08	211.02	185.76	516.86	0.86
Total	78,438	3,189.71	9,764.54	15,359.30	28,313.55	240.93

(based on SRTM, Digital Elevation Model, 30 m, 2016).

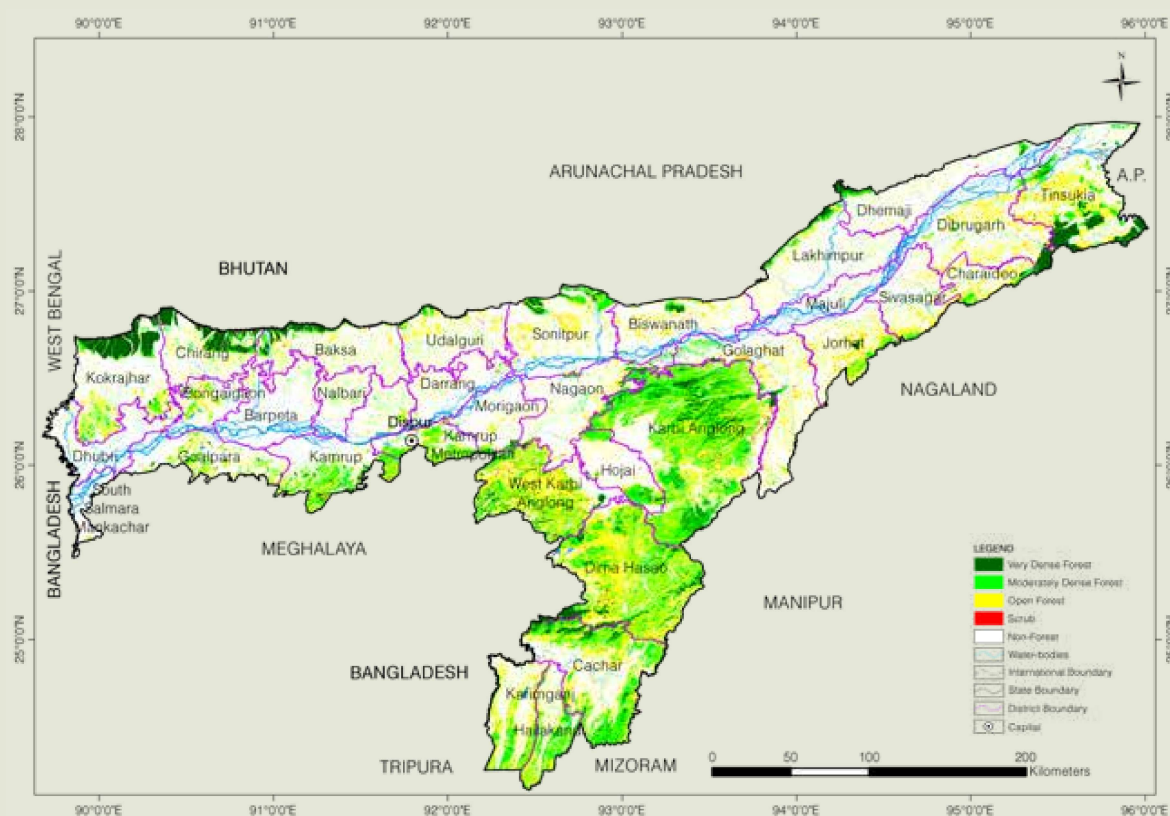


Figure 10.3.3 Forest Cover Map of Assam



10.3.3 Forest Types

The area under different Forest Types in Assam (as per the Champion & Seth Forest Classification, 1968) based on the Forest Cover Map (FCM), ISFR-2023, is presented in the following table.

Table 10.3.10 Area Statistics of the Forest Types Found in Assam

(km ²)			
Sl. No.	Forest Type	Area	% of the total mapped area*
1	1B/C1 Assam Valley tropical wet evergreen forest (<i>Dipterocarpus</i>)	1,008.38	3.52
2	1B/C2a <i>Kaya</i> forest	210.11	0.73
3	1B/C2b <i>Mesua</i> forest	5.57	0.02
4	1B/C3 Cachar tropical evergreen forest	893.32	3.11
5	2B/C1a Assam alluvial plains semi-evergreen forest	444.74	1.55
6	2B/C1/1S1 Sub-Himalayan light alluvial semi-evergreen forest	364.48	1.27
7	2B/C1/1S2 <i>Syzygium</i> parkland	17.79	0.06
8	2B/C1/2S1 Pioneer Euphorbiaceous scrub	83.47	0.29
9	2B/C1/2S2 Eastern alluvial secondary semi-evergreen forest	344.83	1.20
10	2B/C2 Cachar semi-evergreen forest	10,389.59	36.20
11	2/2S1 Secondary moist bamboo brakes	832.53	2.90
12	3C/C1a(ii) Khasi hill sal	41.18	0.15
13	3C/C1b(i) East Himalayan upper <i>bhabar</i> sal	632.77	2.21
14	3C/C2d (iv) App. Kamrup sal	771.94	2.69
15	3C/C3b East Himalayan moist mixed deciduous forest	5,106.98	17.80
16	3C/C3/2S1 Northern Secondary moist mixed deciduous forest	508.50	1.77
17	3C/1S1 Low alluvial savannah woodland (<i>Salmania-Albizia</i>)	12.84	0.04
18	3/1S2(a) <i>Terminalia-Lagerstroemia</i>	2.84	0.01
19	4C/FS3 Creeper swamp forest	0.06	0.00
20	4D/SS1 Eastern seasonal swamp forest	0.83	0.00
21	5/1S2 <i>Khair-sissu</i> forest	23.20	0.08
22	8B/DS1 Assam subtropical hill savannah woodland	9.13	0.03
23	9/C2 Assam subtropical pine forest	131.95	0.46
Sub Total		21,837.03	76.09
24	TOF/ Plantation	6,717.45	23.41
Total (Forest Cover & Scrub)		28,554.48	99.50
Grassland forest types (outside forest cover)			
25	4D/2S1 <i>Syzygium</i> parkland	0.63	0.00
26	4D/2S2 Eastern wet alluvial grassland	144.36	0.50
Sub Total		144.99	0.50
Grand Total		28,699.47	100.00

*Forest Types have been assigned to the natural forest formations under forest cover and scrub categories shown in the forest cover mapping (ISFR, 2023). Grassland forest types outside forest cover have also been mapped. The total mapped area, therefore, is sum of forest cover, scrub and grassland forest types (found in non-forest).



10.3.4 Forest Fire

District-wise number of forest fire detected by FSI using SNPP-VIIRS sensors (This includes large, continuous and repeated forest fires), during the fire season 2022-23 and 2023-24.

Table 10.3.11 District-wise Number of Forest Fire Detected

Sl. No.	District	SNPP-VIIRS Detection during 2022-23	SNPP-VIIRS Detection during 2023-24
1	Baksa	131	252
2	Barpeta	0	0
3	Biswanath	38	32
4	Bongaigaon	4	15
5	Cachar	449	198
6	Charaideo	23	15
7	Chirang	227	376
8	Darrang	47	60
9	Dhemaji	1	2
10	Dhubri	4	3
11	Dibrugarh	48	38
12	Dima Hasao	2,315	1,843
13	Goalpara	36	43
14	Golaghat	144	143
15	Hailakandi	458	159
16	Hojai	38	43
17	Jorhat	43	53
18	Kamrup	381	316
19	Kamrup Metropolitan	126	95
20	Karbi Anglong	2,844	1,479
21	Karimganj	124	77
22	Kokrajhar	101	275
23	Lakhimpur	9	19
24	Majuli	0	0
25	Morigaon	8	36
26	Nagaon	33	51
27	Nalbari	0	0
28	Sivasagar	26	67
29	Sonitpur	41	25
30	South Salmara-Mankachar	0	0
31	Tinsukia	130	125
32	Udalguri	31	33
33	West Karbi Anglong	1,970	1,766
Total		9,830	7,639



10.3.5 Fire Prone Forest Areas

Forest Cover under different classes of forest fire proneness is given in following table.

Table 10.3.12 Forest Fire Prone Classes

			(km ²)
Sl. No.	Forest Fire Prone Classes	Forest Cover*	% of Total Forest Cover
1	Extremely fire prone	400.95	1.40
2	Very highly fire prone	3,352.77	11.74
3	Highly fire prone	4,798.75	16.81
4	Moderately fire prone	3,521.25	12.33
5	Less fire prone	16,480.76	57.72
Total		28,554.48	100.00

*Forest Cover including Scrub.

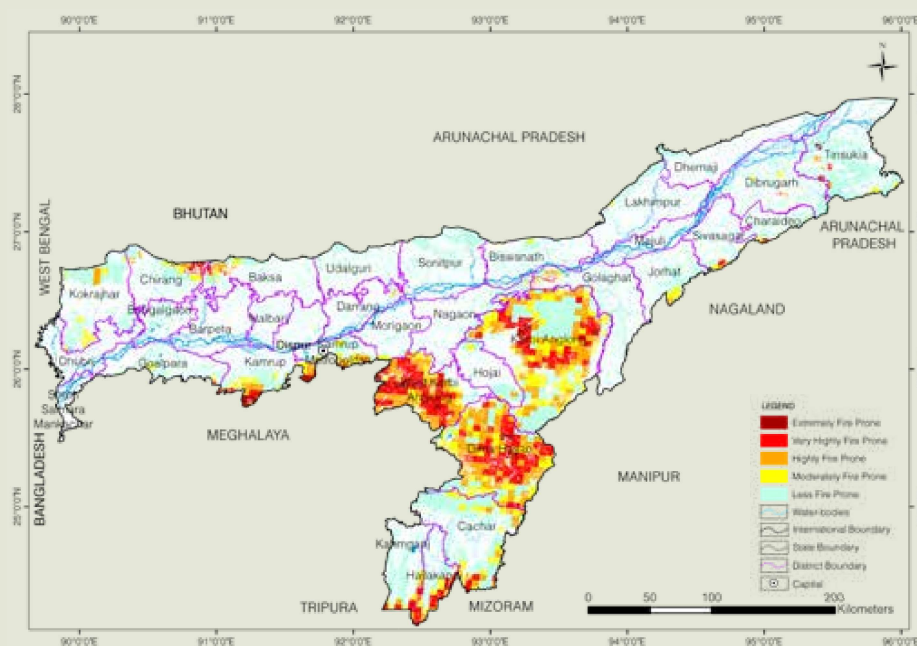


Figure 10.3.4 Fire Prone Forest Areas under Different Fire Prone Classes

10.3.6 Results Derived from NFI for Assam

Table 10.3.13 Number of Trees and their Volume for Top 5 species in RFA

Sl. No.	Species	No. of Trees (in '000)	Volume (M m ³)
1	<i>Shorea robusta</i>	34,562	6.54
2	<i>Schima wallichii</i>	17,053	3.25
3	<i>Tectona grandis</i>	16,720	5.87
4	<i>Lannea coromandelica</i>	12,034	3.81
5	<i>Albizia species</i>	10,083	2.83


Table 10.3.14 Number of Trees and their Volume for Top 5 Species in Rural Area

Sl. No.	Species	No. of Trees (in '000)	Volume (M m ³)
1	<i>Areca catechu</i>	59,812	1.039
2	<i>Tectona grandis</i>	7,538	1.029
3	<i>Gmelina arborea</i>	6,417	1.533
4	<i>Mangifera indica</i>	5,081	1.178
5	<i>Albizia species</i>	4,390	1.708

Table 10.3.15 Number of Trees and their Volume for Top 5 Species in Urban Area

Sl. No.	Species	No. of Trees (in '000)	Volume (M m ³)
1	<i>Areca catechu</i>	3,699	0.07
2	<i>Cocos nucifera</i>	698	0.177
3	<i>Mangifera indica</i>	672	0.198
4	<i>Tectona grandis</i>	319	0.063
5	<i>Artocarpus heterophyllus/ Artocarpus integrifolia</i>	261	0.082

Table 10.3.16 Major NTFP Species in Assam

Sl. No.	Species	Habit	No. of Plants (in '000)
1	<i>Shorea robusta</i>	Tree	15,83,818
2	<i>Bombax species/ Bombax ceiba</i>	Tree	1,52,808
3	<i>Terminalia bellirica</i>	Tree	91,932
4	<i>Azadirachta indica</i>	Tree	26,227
5	<i>Thysanolaena latifolia/ Thysanolaena maxima</i>	Shrubs	1,26,81,682
6	<i>Calamus guruba</i>	Shrubs	7,99,746
7	<i>Piper species/ Piper longum/ Piper mullesua/ Piper pee-puloides</i>	Climbers	52,55,472
8	<i>Smilax china</i>	Climbers	21,93,588
9	<i>Curcuma caesia</i>	Herbs	11,45,62,710
10	<i>Imperata cylindrica</i>	Herbs	95,05,203

Table 10.3.17 Major Invasive Species in the State Inside The RFA in Assam

Sl. No.	Species	Estimated Extent (km ²)
1	<i>Chromolaena odorata</i>	1,925.29
2	<i>Mikania micrantha</i>	1,082.16
3	<i>Lantana camara</i>	605.30
4	<i>Imperata cylindrica</i>	96.32
5	<i>Saccharum spontaneum</i>	85.62