

7.33 DAMAN & DIU

7.33.1 Introduction

Daman & Diu is a Union Territory of India on the Gujarat coast. Daman is located in the Gulf of Cambay and Diu is an island located in the same Gulf. The geographical area of Daman & Diu is 112 km². The average annual rainfall ranges between 2,300 to 4,800 mm and the mean annual temperature ranges between 25° to 28°C.

As per Census 2001, the total population of the UT is 158,204 of which the rural population is 63.75%. The population density is 1,413 persons per km². The Scheduled Tribes constitute 8.8% of the population. The projected population of the UT is 0.25 million (as projected by the Office of RGI for 2009). The livestock population is 10,000 (Livestock Census 2003), which has decreased by nearly 23% since the census of 1992.

Land use pattern of the Union Territory is given in Table 7.33.1.

7.33.2 Recorded Forest Area

The recorded forest area of the UT is 827 ha.

7.33.3 Protected Areas

There is only 1 Wildlife Sanctuary-Fudam, covering an area of 218 ha, which constitutes 1.95% of its land area.

7.33.4 Forest Cover

The forest cover in the UT, based on

interpretation of satellite data of Dec 2006, is 5.65 km², which is 5.04% of its geographical area. In terms of forest canopy density classes, the UT has 0.62 km² moderately dense forest and 5.03 km² open forest. The distribution of forest cover of the UT is shown in Fig. 7.33.

Comparison of the current forest cover (satellite data of Dec 2006) with the previous assessment (satellite data of Oct - Nov 2004) shows a gain of 0.11 km² of forest cover.

The change matrix, given in Table 7.33.2, reveals that there has been an increase of 0.11 km² in open forest.

District wise forest cover in different canopy density classes and scrub along with the changes compared to 2005 assessment is given in the Table 7.33.3.

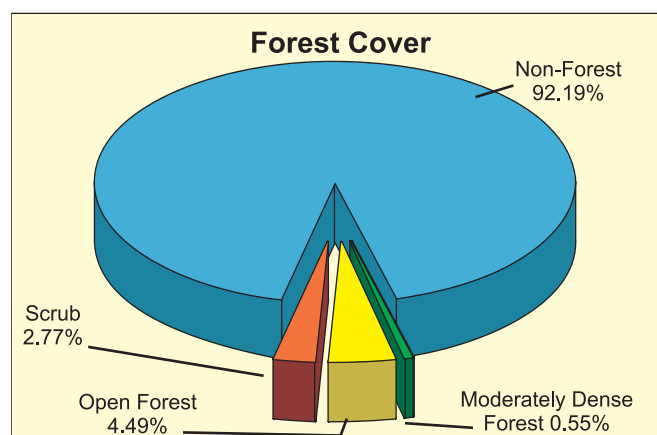


Table 7.33.1: Land use pattern

Land Use	Area in '000 ha	Percentage
Total geographical area	11	100.00
Reporting area for land utilization	3	0.00
Not available for cultivation	0	0.00
Land under misc. tree crops & groves	0	0.00
Culturable wasteland	0	0.00
Net area sown	3	100.00

Source: Land Use Statistics, Ministry of Agriculture, GOI, 2006.

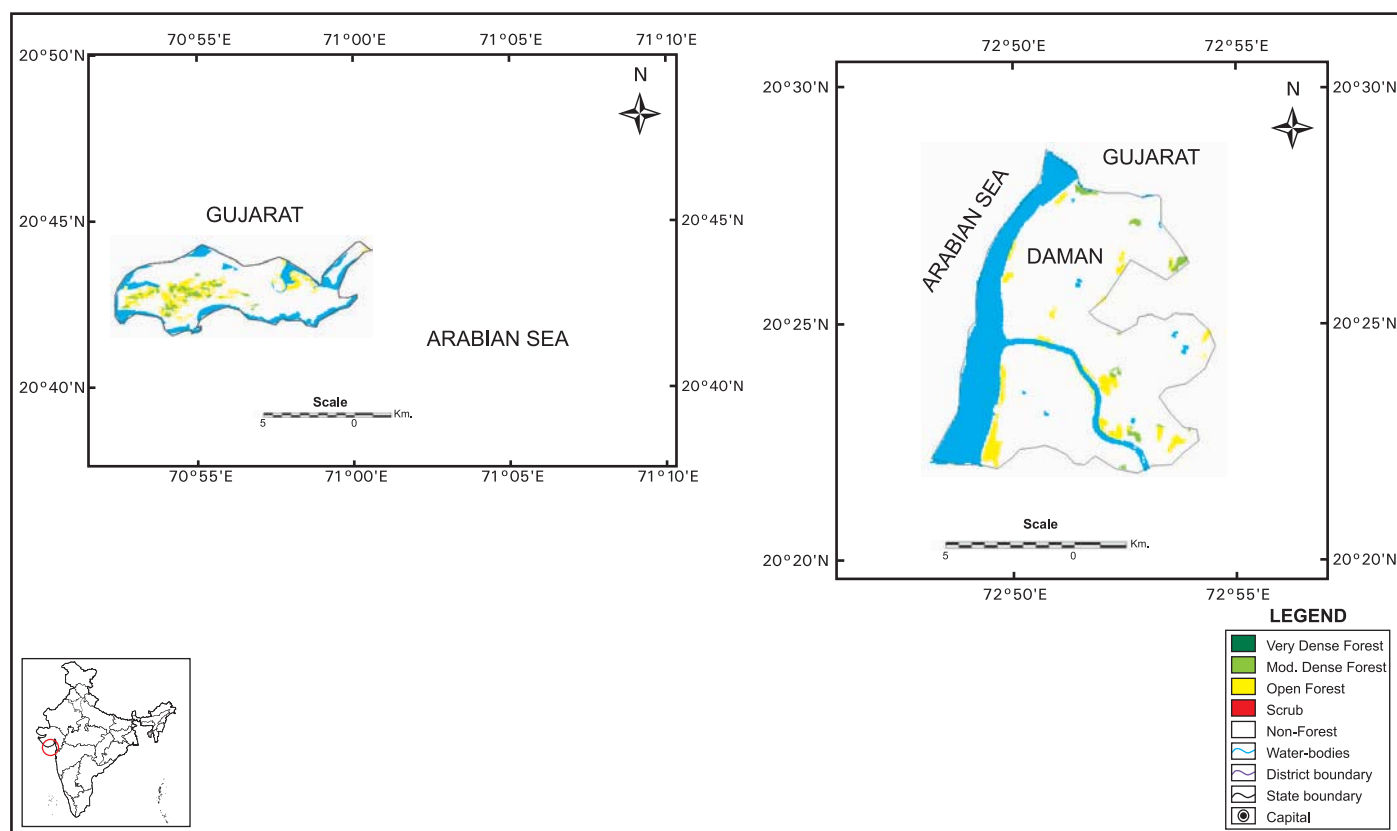


Fig. 7.33 : Forest cover map of Daman & Diu

Table 7.33.2: Forest cover change matrix

(area in km²)

2005 Assessment (Data of Oct - Nov 2004)	2007 (Data of Dec 2006)					Total of 2005
	VDF	MDF	OF	Scrub	NF	
Very Dense Forest	0	0	0	0	0	0
Moderately Dense Forest	0	0.62	0	0	0	0.62
Open Forest	0	0	4.92	0	0	4.92
Scrub	0	0	0	3.1	0	3.1
Non-Forest	0	0	0.11	0	103.25	103.36
Total of 2007	0	0.62	5.03	3.1	103.25	112
Net Change	0	0	0.11	0	-0.11	

Table 7.33.3: District-wise forest cover in 2007

Number of districts: 2

(area in km²)

District	Geographical area	Very dense forest	Mod. dense forest	Open forest	Total	% of G.A.	Change*	Scrub
Daman ^T	72	0	0.62	2.84	3.46	4.81	0.18	0
Diu	40	0	0	2.19	2.19	5.48	-0.07	3.10
Total	112	0	0.62	5.03	5.65	5.04	0.11	3.10

* Change compared to 2005 assessment (revised).

7.33.5 Altitude Zone wise Forest Cover

All the forest cover of the UT lies in one altitude zone as given in Table 7.33.4.

Table 7.33.4: Altitude zone wise forest cover

(area in km²)

Altitude Zone	VDF	MDF	OF	Total
0-500m	0.00	0.62	5.03	5.65
Total	0.00	0.62	5.03	5.65

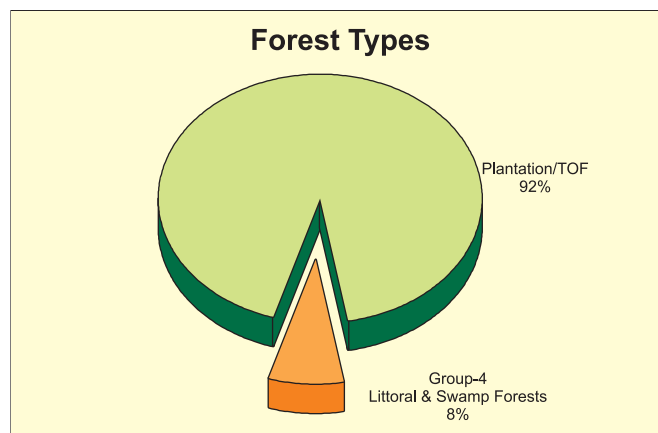
(based on SRTM Digital Elevation Model)

7.33.6 Forest Cover in different Forest Types

As per Champion & Seth Classification (1968), the UT has all its forest cover belonging to Littoral & Swamp Forests type group. Distribution of forest cover in the above forest type group and plantation/TOF is given in the pie diagram.

7.33.7 Tree Cover

Tree cover of the Union Territory has been estimated using sample data of TOF inventory collected over a period of six years i.e. 2002-08. The estimated tree cover in the UT is 9 km² which is 8.04% of the geographical area of the UT. The forest and tree cover



of the UT is presented in the Table 7.33.5.

Table 7.33.5: Forest & tree cover

(area in km²)

Category	Area	% of Geographical area
Tree Cover	9	8.04
Forest Cover	5.65	5.04
Forest & Tree Cover	14.65	13.08