



**5. Nature, extent and percentage of degraded lands in Surat District.**

Type of Degradation	Area in ha	Percentage
<b><u>1. Water Erosion</u></b>		
1. Plain are affected by severe to very severe water erosion.	24932	3.21
1. Undulating area affected by severe to very severe water erosion.	23490	3.02
2. Hilly area affected by severe to very severe water erosion.	6346	0.82
	<hr/> 54768	<hr/> 7.05
<b><u>2. Salt Affliction</u></b>		
1. Area with salt encrustation (white) having less than 50% Surface Coverage.	986	0.13
3. Area with salt encrustation (white) having more than 50% Surface Coverage.	755	0.10
	<hr/> 1741	<hr/> 0.23
<b><u>3. Water Logging</u></b>		
1. Seasonal water Logging. (Other than paddy areas)	250	0.03
2. Permanent water Logging area.	514	0.07
3. Coastal Marshes / Mangroves.	3437	0.44
	<hr/> 4201	<hr/> 0.54

**4. Other Degradation.**

1.	Rock quarries and spoils.	483	0.06
2.	Brick Kiln	20	0.00
3.	Industrial effluents.	86	0.01
4.	Mud Flats.	23954	3.09
5.	Salt Flats.	216	0.03
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		24759	3.19
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	Total degradational lands :	85469	11.10
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**5. Normal Lands**

1.	Normal Agricultural Land	425210	54.78
2.	Normal open scrub land	45321	5.84
3.	Normal Forest land	155775	20.07
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	Total normal lands.	626306	80.69
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**6. Miscellaneous Lands**

	Including area under habitation, industries, River coarse and water bodies etc.	64386	8.30
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**Grand Total****7,76,161****100.00**

## 6. Salient Findings.

- Out of the total geographical area of 7,76,161 ha. of Surat district, 85,469 ha. (11.01 %) suffers from various, kind of land degradation problems.
- Water erosion is the main degradational feature covering 54,768 ha. (7.05 %) out of the total area.
- An area of 1,741 ha. (0.23 %) is suffering from salt affliction, mainly due to coastal salinity.
- An area of 4,201 ha. (0.54 %) is affected by water logging.
- Other degraded types of lands, like mud flats, rock quarries, industrial effluents and brick kiln activity accounts for 24,759 ha. (3.19 %) of the district area.
- Major part of the district area accounting 6,26,306 ha. (80.69 %) is normal lands, out of which 4,25,210 ha. is agriculture lands, 1,55,775 ha. (20.07 %) forest lands and 45,321 ha. (5.84 %) open scrub.
- Area under habitation, industries, water bodies and rivers accounts for 64,386 (8.30 %).
- Remote sensing data possesses high potential for mapping and monitoring of degraded lands.