

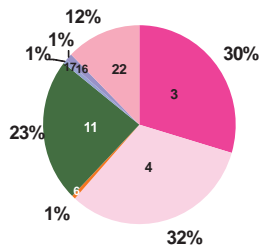
Table 34: District - wise distribution of Wastelands

KERALA

Category	Alappuzha	Cannanore	Ernakulam	Idukki	Kasaragod	Kollam	Kottayam	Kozhikode	Mala-puram	Palghat	Pathana-mhitta	Thiruvanan-thapuram	Thrissur	Waynad	Total
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	8.91	21.15	259.60	10.14	23.46	63.08	1.20	116.65	33.64	101.06	14.30	29.83	42.61	725.62
4	0.02	157.25	10.81	48.11	290.88	8.37	47.55	38.97	1.85	131.79	7.44	4.96	14.35	25.44	787.78
5	0.00	0.00	0.00	0.00	0.00	0.00	3.58	1.48	0.00	0.00	0.00	0.00	0.00	0.00	5.06
6	0.00	0.00	3.42	0.00	0.00	0.00	1.16	0.16	0.00	2.64	0.00	0.00	7.29	0.24	14.91
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	17.07	52.03	29.33	0.42	13.36	4.46	33.21	56.92	190.69	0.45	145.43	14.69	14.19	572.25
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	9.47	0.00	0.00	4.49	0.00	16.48
16	1.30	2.31	1.42	0.00	5.25	0.10	0.00	3.23	3.56	0.00	0.00	8.65	2.88	0.00	28.70
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.06	0.02	0.00	0.20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	15.70	15.13	112.53	15.85	0.47	0.68	14.38	21.66	89.64	2.40	9.59	7.16	2.49	307.68
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.32	201.24	103.95	449.57	322.54	45.77	120.50	92.76	203.16	457.86	111.36	182.99	80.72	84.96	2458.69
TGA	1414.00	2997.00	2408.00	5019.00	1961.00	2583.00	2204.00	2345.00	3548.00	4392.00	2642.00	2186.00	3032.00	2132.00	38863.00
% to TGA	0.09	6.71	4.32	8.96	16.45	1.77	5.47	3.96	5.73	10.42	4.21	8.37	2.66	3.98	6.33

- | | | | | |
|--|--|--|----------------------------------|--------------------------------|
| 1. Gullied and/ or ravinous land (Medium) | 6. Waterlogged and Marshy land (Seasonal) | 11. Under-utilised/degraded forest (Scrub domin) | 16. Sands-Coastal | 21. Industrial wastelands |
| 2. Gullied and/ or ravinous land (Deep) | 7. Land affected by salinity/alkalinity (Medium) | 12. Under-utilised/degraded forest (Agriculture) | 17. Sands-Desertic | 22. Barren Rocky/Stony waste |
| 3. Land with Dense Scrub | 8. Land affected by salinity/alkalinity (Strong) | 13. Degraded pastures/ grazing land | 18. Sands-Semi Stab.-Stab>40m | 23. Snow covered /Glacial area |
| 4. Land with Open Scrub | 9. Shifting Cultivation - Current Jhum | 14. Degraded land under plantation crop | 19. Sands-Semi Stab.-Stab 15-40m | Total - Total Wasteland Area |
| 5. Waterlogged and Marshy land (Permanent) | 10. Shifting Cultivation - Abandoned Jhum | 15. Sands-Riverine | 20. Mining Wastelands | TGA - Total Geographical Area |

Figure. 31



Total Geog. Area (TGA) :38863.00 sq.km.
 Total Wasteland Area : 2458.69 sq. km.
 Wasteland Area : 6.33 %

WASTELAND MAP

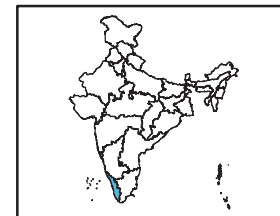
2005-06

KERALA



LEGEND

- Gullied/ Ravine land-Medium ravine (1)
- Gullied/Ravine land-Deep/ very deep ravine (2)
- Scrubland - Land with dense scrub (3)
- Scrubland - Land with open scrub (4)
- Waterlogged and marshy land - Permanent (5)
- Waterlogged and marshy land - Seasonal (6)
- Land Affected by Salinity/ Alkalinity - Moderate (7)
- Land Affected by Salinity/ Alkalinity - Strong (8)
- Shifting cultivation - Current jhum (9)
- Shifting cultivation - Abandoned jhum (10)
- Under-utilised Deg Notif Forest - Scrub Dom (11)
- Under- utilised Deg Notif Forest - Agriculture (12)
- Degraded Pastures/ grazing land (13)
- Degraded Land under Plantation Crop (14)
- Sands - Desert sand (15)
- Sands - Coastal sand (16)
- Sands - Riverine (17)
- Sands - Semi-stab to stab (>40m) dune (18)
- Sands-Semi-stab to stab mod high(15-40m) dune (19)
- Mining Wastelands (20)
- Industrial Wastelands (21)
- Barren rocky area (22)
- Snow cover and/ or glacial area (23)
- Non Wasteland Area
- Major Road
- Railway Line



Based on 3 season data of IRS P6
 LISS III (2005-06) & Limited ground checks

Partner Institution:

Kerala State Remote Sensing
 and Environment Centre
 Vikas Bhawan
 Thiruvananthapuram- 695033

Coordinated by:

Land Use Division, LRG, RS & GIS - AA
 National Remote Sensing Centre
 ISRO, Dept. of Space, Govt of India,
 Balanagar,
 Hyderabad - 500625

Table 35: Kerala - Category-wise distribution and changes in wastelands

Area in sq.km.

SI	Wasteland Categories	2005-06	%	2003	%	Change	% diff
1	Land with Dense Scrub	725.62	1.87	691.26	1.78	34.36	0.09
2	Land with Open Scrub	787.78	2.03	3.24	0.01	784.54	2.02
3	Waterlogged and Marshy land-Permanent	5.06	0.01	19.94	0.05	-14.88	-0.04
4	Waterlogged and Marshy land-Seasonal	14.91	0.04	248.49	0.64	-233.58	-0.60
5	Under utilised/degraded notified forest land-Scrub dominated	572.25	1.47	425.53	1.09	146.72	0.38
6	Degraded pastures/grazing land	0.00	0.00	124.00	0.32	-124.00	-0.32
7	Degraded land under plantation Crops	16.48	0.04	51.56	0.13	-35.08	-0.09
8	Sands-Riverine	28.70	0.07	0.00	0.00	28.70	0.07
9	Sands-Coastal	0.00	0.00	11.55	0.03	-11.55	-0.03
10	Mining wastelands	0.20	0.00	2.18	0.01	-1.98	-0.01
11	Barren rocky area	307.68	0.79	211.05	0.54	96.63	0.25
	Total	2458.68	6.33	1788.80	4.60	669.88	1.72
	TGA	38863.00					