

Land

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Table 5.1: Land Use Classification in Sikkim (Part-1)

(Thousand Hectares)

Year	Geographic Area	Reporting area for land utilization statistics	Forests	Not available for cultivation			Other uncultivated land excluding			
				Area under non-agricultural uses	Barren & un-culturable land	Total	Permanent pastures & other grazing lands	Land under misc. tree crops & groves (not incl. in net area sown)	Culturable waste land	Total
2008-09	710	693	584	11	-	11	-	8	3	11
2009-10	710	693	584	11	-	11	-	8	3	11
2010-11	710	693	584	11	-	11	-	8	3	11
2011-12	710	693	584	11	-	11	-	8	3	11
2012-13	710	693	584	11	-	11	-	8	3	11

Table 5.2: Land Use Classification (Part-2)

(Thousand Hectares)

Year	Fallow Lands		Net area Sown	Total Cropped Area	Area sown more than once	Agri. Land/Culti-vable land/Cultur-able land/Arable land	Cultivated land	Un-cultivable land	Un-cultivated land
	Fallow lands other than current fallows	Current fallows							
2008-09	4	5	77	118	40	98	82	595	610
2009-10	4	5	77	144	67	98	82	595	610
2010-11	4	5	77	152	74	98	82	595	610
2011-12	4	5	77	137	60	98	82	595	610
2012-13	4	5	77	144	66	98	82	595	610

Source (Tables 5.1-5.2): Directorate of Economics and Statistics, Department of Agriculture and Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India.
<http://eands.dacnet.nic.in/> (accessed on 04.01.2016)

Table 5.3: Details of Irrigated Area

(Thousand Hectares)

Year	Net Irrigated Area	Gross Irrigated Area	Area Irrigated more than once	Net Un-Irrigated Area	Gross Un-Irrigated Area	Percentage of Gross Irrigated Area to Total Cropped Area	Cropping Intensity
2003-04	6	11	5	72	110	9.4	155.1
2004-05	6	11	5	72	112	9.2	158.1
2005-06	14	19	4	64	105	15.1	158.3
2006-07	14	19	4	63	105	15.1	159.5
2007-08	14	17	3	63	101	14.6	152.7
2008-09	14	18	4	63	100	15.4	152.3
2009-10	14	20	5	63	124	13.7	186.0
2010-11	14	20	6	63	131	13.2	195.7
2011-12	14	19	4	63	118	13.7	177.3
2012-13	14	19	5	63	124	13.5	185.7

Source : Directorate of Economics and Statistics, Department of Agriculture and Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India.
<http://eands.dacnet.nic.in/> (accessed on 04.01.2016)

Table 5.4: Net Area Irrigated by Sources

(Thousand Hectares)

Year	Canals		Tanks	Wells		Other Sources	Net Irrigated Area
	Government	Private		Tube-Wells	Other Wells		
2003-04	1	-	-	-	-	5	6
2004-05	1	-	-	-	-	5	6
2005-06	-	-	0	-	-	14	14
2006-07	-	-	0	-	-	14	14
2007-08	-	-	0	-	-	14	14
2008-09	-	-	0	-	-	14	14
2009-10	-	-	0	-	-	14	14
2010-11	-	-	0	-	-	14	14
2011-12	-	-	0	-	-	14	14
2012-13	-	-	0	-	-	14	14

Source : Directorate of Economics and Statistics, Department of Agriculture and Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Govt. of India.
<http://eands.dactnet.nic.in/> (accessed on 04.01.2016)

Table 5.5: Status of Wasteland

(in sq.km)

Categories*	Year		Change
	2005-06	2008-09	
1	-	-	-
2	-	-	-
3	-	-	-
4	6.37	20.23	13.87
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-
11	60.96	61.18	0.23
12	-	-	-
13	-	-	-
14	-	-	-
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	579.90	362.22	-217.67
23	2633.66	2829.51	195.85

***Details of Categories:**

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

Source: Department of Land Resources, Ministry of Rural Development, Govt. of India (Wasteland Atlas of India 2011).
http://www.dolr.nic.in/WastelandsAtlas2011/Wastelands_Atlas_2011.pdf (accessed on 13.01.2016)

Table 5.6: District- wise status of Wasteland

(in sq.km)

Catego- ries*	East Sikkim			North Sikkim			South Sikkim			West Sikkim			Total		
	Year		Change	Year		Change	Year		Change	Year		Change	Year		Change
	2005-06	2008-09		2005-06	2008-09		2005-06	2008-09		2005-06	2008-09		2005-06	2008-09	
1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
4	1.03	10.57	9.54	2.54	7.43	4.89	2.26	1.68	1.68	-0.58	0.53	0.55	0.02	13.87	
5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11	4.51	4.21	-0.30	24.45	24.93	0.48	15.05	14.95	-0.11	16.94	17.10	0.16	60.96	61.18	
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
22	111.67	104.15	-7.52	351.15	145.17	-205.98	5.09	3.66	-1.43	111.99	109.24	-2.75	579.90	362.22	
23	5.12	2.52	-2.60	2474.07	2662.62	188.55	29.19	29.54	0.35	125.28	134.83	9.55	2633.66	2829.66	

Details of Categories:

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

Source: Department of Land Resources, Ministry of Rural Development, Govt. of India (Wasteland Atlas of India 2011).

http://www.dolr.nic.in/WastelandsAtlas2011/Wastelands_Atlas_2011.pdf (accessed on 13.01.2016)