

ABSTRACT

Detailed soil survey and land use of Dd1f, Dd1g, Dd3b, Dd3f, Dd3g and Dd3h subwatersheds of Damanganga R.V.P. Catchment, Tehsils Jawahar and Mokhada, District Thane, Maharashtra.

1. Surveyed area : Dd1f, Dd1g, Dd3b, Dd3f, Dd3g and Dd3h subwatersheds of Damanganga RVP Catchment, Tehsils: Jawahar & Mokhada, District Thane, Maharashtra.
2. Total area reported and mapped : 17,000 ha.
3. (a) Kind of survey: Detailed Soil Survey
(b) Period of survey : January 1984 to June, 1984.
4. Soil series mapped and subwatershed-wise area under different soil series:

(Area in ha.(%))

Sl. No.	Soil Series	Subwatersheds						Total area
		Dd1f	Dd1g	Dd3b	Dd3f	Dd3g	Dd3h	
1.	Amlti	217 (9.2)	125 (3.3)	19 (0.6)	87 (3.2)	11 (0.5)	65 (2.0)	524 (3.1)
2.	Bonta	431 (18.2)	1216 (32.2)	1130 (38.5)	643 (23.6)	511 (25.2)	893 (28.1)	4824 (28.4)
3.	Galonda	679 (28.7)	1194 (31.7)	542 (18.5)	778 (28.5)	395 (19.5)	797 (25.1)	4385 (25.8)
4.	Nihayali	271 (11.5)	455 (12.1)	950 (32.3)	793 (29.1)	757 (37.4)	814 (25.6)	4040 (23.7)
5.	Wangani	517 (21.9)	499 (13.2)	31 (1.1)	71 (2.6)	117 (5.8)	365 (11.5)	1600 (9.4)
Sub-total		2115 (89.5)	3489 (92.5)	2672 (91.0)	2372 (87.0)	1791 (88.4)	2934 (92.3)	15373 (90.4)
Misc. land		249 (10.5)	281 (7.5)	264 (8.9)	355 (13.0)	234 (11.6)	244 (7.7)	1627 (9.6)
Total Area		2364 (100.0)	3770 (100.0)	2936 (100.0)	2727 (100.0)	2025 (100.0)	3178 (100.0)	17000 (100.0)

5. Area under different land capability classes:

Sl. No.	Land Capability Units	Subwatersheds					Total area	Name of soil series	
		Dd1f	Dd1g	Dd3b	Dd3f	Dd3g			Dd3h
1.	IIIs-1	535 (22.7)	513 (13.6)	50 (1.7)	29 (1.0)	13 (0.6)	135 (4.2)	1275 (7.5)	Amli & Wangani
2.	IIes-1	199 (8.4)	111 (2.9)	-	129 (4.7)	115 (5.7)	295 (9.3)	849 (5.0)	Amli & Wangani
3.	IIIIs-1	44 (1.9)	104 (2.8)	45 (1.5)	-	-	-	193 (1.1)	Galonda
4.	IIIes-1	139 (5.9)	284 (7.5)	280 (9.5)	421 (15.4)	70 (3.4)	140 (4.4)	1334 (7.9)	Galonda
5.	IVes-1	-	-	-	-	12 (0.6)	54 (1.7)	66 (0.4)	Bonta
6.	IVes-2	394 (16.6)	662 (17.6)	150 (5.1)	227 (8.3)	342 (16.9)	446 (14.0)	2221 (13.1)	Bonta & Galonda
7.	VIes-1	401 (17.0)	1088 (28.8)	943 (32.1)	590 (21.6)	389 (19.2)	846 (26.6)	4257 (25.0)	Bonta & Galonda
8.	VIes-2	164 (6.9)	501 (13.3)	754 (25.7)	483 (17.7)	570 (28.2)	710 (22.3)	3182 (18.7)	Bonta & Nihayali
9.	VIIes-1	148 (6.2)	157 (4.2)	436 (14.9)	237 (8.7)	109 (5.4)	36 (1.3)	1123 (6.6)	Nihayali
Sub-total		2024 (85.6)	3420 (90.7)	2658 (90.5)	2116 (77.6)	1620 (80.0)	2662 (83.8)	14500 (85.3)	
Forest land		91 (3.8)	69 (1.8)	14 (0.5)	256 (9.4)	171 (8.4)	272 (8.5)	873 (5.1)	
Miscellaneous land		249 (10.6)	281 (7.5)	264 (9.0)	355 (13.0)	234 (11.6)	244 (7.7)	1627 (9.6)	
Total area		2364 (100.0)	3770 (100.0)	2936 (100.0)	2727 (100.0)	2025 (100.0)	3178 (100.0)	17000 (100.0)	

NB: Miscellaneous area include the area under habitation, roads, nallas, rivers etc.

