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Report on Detailed Soil Survey and Land Use of Pc8d, Pc8e and Pc8f subwatersheds, Pochampad catchment, Tahsil-Biloli and Kandhar, District-Nanded, Maharashtra.

ABSTRACT

• Surveyed area : Subwatersheds Pc8d, Pc8e & Pc8f ~~Rxx~~
Pochampad Catchment, Maharashtra

• (a) Total area : 11,794 ha
reported and mapped

Subwatershed Pc8d = 5421 ha

Pc8e = 2512 ha

Pc8f = 3861 ha

(b) Type of Survey : Detailed Soil Survey

(c) Period of Survey : May 87 to June 87

• Soil Series mapped and area covered by each (ha)

S.N, Name of soil Series and Symbol	Total area in ha and %	Subwatershed		
		Pc8d	Pc8e	Pc8f
1. Daregaon(D)	1461 (12.7)	735 (13.9)	437 (18.0)	289 (7.6)
2. Karla (K)	3087 (26.8)	1507 (28.6)	628 (25.8)	952 (25.0)
3. Malkaotha (M)	1909 (16.6)	1029 (19.5)	498 (20.5)	382 (10.0)
4. Martala (MR)	1158 (10.0)	383 (7.3)	40 (1.6)	735 (19.3)
5. Mahati (MT)	1254 (10.9)	535 (10.1)	190 (7.8)	529 (13.9)
6. Pangargaon (PN)	2651 (23.0)	1086 (20.6)	641 (26.3)	924 (24.2)
Total	11520 (100.0)	5275 (100.0)	2434 (100.0)	3811 (100.0)
Miscellaneous River, Village site, roads etc.	274	146	78	50
Grand Total	11794	5421	2512	3861

4. Land Capability Classification

Land Capability Class	Subwatershed			Total area (ha) and %	Soil Series
	Pc8d	Pc8e	Pc8f		
II	697 (13.2)	510 (21.0)	824 (21.6)	2031 (17.6)	Malkaotha Martala
III	1566 (29.7)	669 (27.5)	1198 (31.4)	3433 (29.8)	Malkaotha, martala and Pangargaon
IV	1946 (36.9)	930 (38.2)	1201 (31.5)	4077 (35.4)	Daregaon, Ka Malkaotha and Pangargaon
VI	670 (12.7)	200 (8.2)	155 (4.1)	1025 (8.9)	Daregaon and Mahati
VII	396 (7.5)	125 (5.1)	433 (11.4)	954 (8.3)	Mahati
Total	5275	2434	3811	11520	
Percent	100.0	100.0	100.0	100.0	

5. Salient features and Specific problems

- 1: The surveyed area is predominantly covered by shallow to very shallow soils i.e. 5802 ha (50.4%) followed by 2651 ha (23.0%) under moderately deep soils.
2. Out of the total surveyed area 7121 ha (61.8%) falls under gentle slope.
3. In all 9552 (82.9%) suffers from moderate erosion.