

**REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Na6b, Na6c,
Na6f and Na6h SUBWATERSHEDS, NARMADA CATCHMENT;
TAHSIL - DHADGAON, DISTRICT - DHULE, MAHARASHTRA STATE.**

A B S T R A C T

1. **Surveyed Area** : Subwatersheds - Na6b, Na6c, Na6f and Na6h, Narmada catchment; Tahsil : Dhadgaon of Dhule District, Maharashtra State.
2. a) **Total area reported and mapped** : 10, 188 ha.
- b) **Type of Survey** : Detailed Soil Survey
- c) **Period of Survey** : December 97 to March 98
3. (i) **Soil Series Mapped and Area Covered by each (ha)**

Sr. No.	Name of Soil Series	Total area in ha (%)	Subwatersheds			
			Na6b	Na6c	Na6f	Na6h
1	2	3	4	5	6	7
1.	Amla (A)	3805 (38.5)	977 (47.9)	974 (54.0)	1306 (41.2)	548 (19.2)
2.	Dhadgaon (D)	182 (1.9)	-	-	44 (1.4)	138 (4.8)
3.	Jarli (JL)	29 (0.3)	-	-	15 (0.5)	14 (0.5)
4.	Khardi (KH)	2817 (28.5)	753 (36.9)	500 (27.7)	591 (18.6)	973 (34.0)
5.	Palkha (P)	1022 (10.4)	239 (11.7)	295 (16.4)	132 (4.2)	356 (12.4)
6.	Radikalam (RK)	428 (4.3)	4 (0.2)	14 (0.8)	151 (4.8)	259 (9.1)
7.	Rajbardi (RB)	165 (1.7)	12 (0.6)	20 (1.1)	96 (3.0)	37 (1.3)
8.	Umrani (UM)	1426 (14.4)	56 (2.7)	-	835 (26.3)	535 (18.7)
	Total	9874	2041	1803	3170	2860
	%	100	100	100	100	100
ii)	Other features including habitations River, Nala, Road, Tank etc.	314	71	59	65	119
	Grand Total	10,188	2112	1862	3235	2979

4. Land Capability Classification :

Land Capability Subclass	Subwatersheds				Total area in ha (%)	Soil Series
	Na6b	Na6c	Na6f	Na6h		
II es	-	-	-	6	6	Jarli
	-	-	-	(0.2)	(0.1)	
III es	-	-	111	31	142	Jarli, Rajbardi
	-	-	(7.7)	(5.9)	(2.8)	
IV es	-	109	1359	1287	2755	Dhadgaon, Khardi,
	-	(39.4)	(67.2)	(41.2)	(54.1)	Radikalam, Umrani
VI es	-	84	337	935	1356	Khardi, Palkha,
	-	(30.3)	(16.6)	(33.3)	(26.5)	Radikalam
VII es	-	84	212	548	844	Amla
	-	(30.3)	(10.5)	(19.4)	(16.5)	
Total	-	277	2019	2807	5103	
%	-	100	100	100	100	

5. Salient Features and Specific Problems :

- The very deep soils covers only 29 ha which is 0.3 % of the total survey area of 9874 ha.
- An area of 2300 ha (23.3%) is under gentle slope.
- An area of 1201 ha (12.2 %) suffers from moderate erosion hazards, whereas 8673 ha (87.8 %) is having the problems of severe erosion hazards.