

Report On Detailed Soil Survey and Land Use of Na2m, Na2p, Na4r, Na4v, Na6s, Na7a and Na7c Subwatersheds of Narmada Catchment, Tahsil-Akkalkuva and Dhadgaon, Distt.-Nandurbar (M.S.)

ABSTRACT

1. SURVEYED AREA *Na2m, Na2p, Na4r, Na4v, Na6s, Na7a, and Na7c Subwatersheds, Narmada Catchment (M.S.)*
2. TOTAL AREA REPORTED AND MAPPED *16815 ha.*
3. TYPE OF SURVEY *Detailed Soil Survey*
4. PERIOD OF SURVEY *December 1999 to May 2000*

5. SOIL SERIES MAPPED AND AREA COVERED BY EACH (ha):

Sr. No	Name of soil series	Total area (ha) and (%)	SUBWATERSHEDS						
			Na2m	Na2p	Na4r	Na4v	Na6s	Na7a	Na7c
1	<i>Amla (A)</i>	12466	1905	2428	757	1461	1923	1643	2249
		74.2	11.3	14.4	4.5	8.7	11.4	9.8	14.0
2	<i>Bori (BR)</i>	701	119	218	19	163	116	20	46
		4.1	0.7	1.3	0.1	1.0	0.7	0.1	0.3
3	<i>Chikhli (CH)</i>	214	-	-	-	-	-	203	11
		1.3	-	-	-	-	-	1.2	0.1
4	<i>Khardi (KH)</i>	1981	398	224	312	340	283	327	97
		11.8	2.4	1.3	1.9	2.0	1.7	2.0	0.5
5	<i>Trishul (TR)</i>	446	90	11	38	161	75	35	36
		2.6	0.6	0.1	0.2	0.9	0.4	0.2	0.2
6	<i>Titoli (TL)</i>	662	36	432	9	128	16	4	37
		3.9	0.2	2.6	0.1	0.8	0.1	-	0.2
Subtotal		16470	2548	3313	1135	2253	2413	2232	2576
		97.9	15.2	19.7	6.7	13.4	14.3	13.3	15.3
Others (village, nala, river, road etc)		345	52	54	41	74	44	31	49
		2.1	0.3	0.3	0.2	0.4	0.3	0.2	0.3
Grand total		16815	2600	3367	1176	2327	2457	2263	2625
Percentage		100	15.5	20.0	7.0	13.8	14.6	13.5	15.6

6. LAND CAPABILITY CLASSIFICATION:

Sr. No.	Land cap. Class	SUBWATERSHEDS							Total area (ha)	Soil series
		<i>Na2m</i>	<i>Na2p</i>	<i>Na4r</i>	<i>Na4v</i>	<i>Na6s</i>	<i>Na7a</i>	<i>Na7c</i>		
1	2	3	4	5	6	7	8	9	10	11
1	<i>IIIes</i>	61	154	10	148	-	-	-	373	<i>Bori , Trishul, Titoli</i>
		<i>0.4</i>	<i>0.9</i>	<i>0.1</i>	<i>0.9</i>	-	-	-	<i>2.2</i>	
2	<i>IVes</i>	184	510	56	367	-	-	-	1117	<i>Bori, Khardi, Trishul, Titoli</i>
		<i>1.1</i>	<i>3.0</i>	<i>0.3</i>	<i>2.2</i>	-	-	-	<i>6.6</i>	
3	<i>VIes</i>	683	297	462	602	-	-	-	2044	<i>Amla, Khardi</i>
		<i>4.1</i>	<i>1.8</i>	<i>2.7</i>	<i>3.6</i>	-	-	-	<i>12.2</i>	
4	<i>VIIes</i>	1620	2352	607	1136	-	-	-	5715	<i>Amla</i>
		<i>9.6</i>	<i>14.0</i>	<i>3.6</i>	<i>6.7</i>				<i>34.0</i>	
Subtotal		2548	3313	1135	2253	-	-	-	9249	
		<i>15.2</i>	<i>19.7</i>	<i>6.7</i>	<i>13.4</i>	-	-	-	<i>55.0</i>	
R.F.		-	-	-	-	2413	2232	2576	7221	
		-	-	-	-	<i>13.3</i>	<i>13.3</i>	<i>15.3</i>	<i>42.3</i>	
Miscellaneous		52	54	41	74	44	31	49	345	
		<i>0.3</i>	<i>0.3</i>	<i>0.2</i>	<i>0.4</i>	<i>0.3</i>	<i>0.2</i>	<i>0.3</i>	<i>2.1</i>	
Grand total		2600	3367	1176	2327	2457	2263	2625	16815	
Percentage		<i>15.5</i>	<i>20.0</i>	<i>7.0</i>	<i>13.8</i>	<i>14.6</i>	<i>13.5</i>	<i>15.6</i>	<i>100</i>	

7. SALIENT FEATURES AND SPECIFIC PROBLEMS:

- The survey area is predominantly covered by shallow soils (14661 ha) accounting 87.2% of the total area.
- An area of 2000 ha (11.9%) has gentle slope out of total area of 16815 ha.
- An area of 15789 ha (93.9%) has severe erosion hazards and 671 ha (4.0%) have moderate erosion hazards.