

Report on detailed soil survey and land use of Ah3n1, Ah6j2, Ah9g6, and Ah9g7 subwatersheds of Nagarjunsagar catchment in South Sholapur and Akalkot taluks of Sholapur district, Tuljapur taluk of Osmanabad district, Umarga taluk of Latur district in Maharashtra.

### ABSTRACT

1. Survey area : Ah3n1, Ah6j2, Ah9g6, Ah9g7 subwatersheds of Nagarjunsagar catchment, Maharashtra
2. Period of survey : February 1985 to July 1986
3. Total area mapped and reported : 19,813 hectares
4. Soil series mapped and area in hectares under each soil series subwatersheds.

Sl. No.	Soil series name	Total area	Total (%)	Distribution of area under different subwatersheds and their percentages											
				Ah3n1 (%)	Ah6j2 (%)	Ah9g6 (%)	Ah9g7 (%)	Soil series name							
1.	Ashta	4170	21.1	838	17.8	672	30.1	531	9.2	2129	30.0				
2.	Borale	3889	19.6	1038	21.3	1064	47.7	1022	17.7	800	14.3				
3.	Chincholi	492	2.5	269	6.2	5	0.2	-	-	198	2.8				
4.	Dahiwadi	779	3.8	129	2.8	74	3.3	-	-	556	7.8				
5.	Hingna	798	4.0	-	-	-	-	651	11.3	147	2.1				
6.	Nandeshwar	3582	18.1	1539	33.8	123	5.7	952	16.5	913	12.9				
7.	Patewadi	86	0.4	-	-	42	1.9	-	-	44	0.6				
8.	Radde	173	0.9	45	0.9	-	-	-	-	128	1.8				
9.	Talsangi	1807	9.1	520	11.1	-	-	1197	20.7	90	1.2				
10.	Wadegaon	3387	17.1	161	3.4	153	6.8	1168	20.2	1905	26.8				
11.	Misc.	670	3.4	128	2.7	97	4.3	257	4.4	188	2.7				
Total		19813		4702		2235		5778		7098					

### 5. Land capability classification

Sl. No.	Land capability class	Total Area	Total (%)	Distribution of area under different subwatersheds and their percentages											
				Ah3n1 (%)	Ah6j2 (%)	Ah9g6 (%)	Ah9g7 (%)	Soil series name							
1.	II	5157	26.0	1292	10.47	1693	11.45	1145	16.1	1022	17.7	Borale, Chincholi, Hingna			
2.	III	3604	18.2	1589	46.9	150	28.9	852	16.1	913	12.8	Borale, Nandeshwar			
3.	IV	9179	46.3	1564	6.7	1564	6.7	1564	16.5	4285	12.8	Ashta, Patewadi, Radde, Talsangi, Wadegaon			
4.	VI	314	1.6	-	121	193	-	-	-	-	-	Ashta, Patewadi, Wadegaon			
5.	VII	889	4.5	129	5.4	194	3.4	-	-	556	8.0	Ashta, Dahiwadi			
Miscellaneous		670	3.4	128	2.7	97	8.7	257	4.4	188	2.7				
Total		19813		4702		2235		5778		7098					

6. Specific problematic areas (in hectares)					
	Ah3n1	Ah6j2	Ah9g6	Ah9g7	Total
1. Moderate erosion on above 3% slope on moderate deep & deeper soils	37	32	-	104	173
2. Shallowness	1693	941	2896	4852	10382
3. Severe erosion	-	*142	-	*10	*152
4. Stoniness	*205	*190	1241	*445	*2081
Total	1730	995	3000	4852	10577

\*An area of 2211 hectares having more than one problem but accounted only once in the total problematic area.