

Report on detailed soil survey of Ah3k4 and Ah3k5 subwatersheds of Nagarjunsagar catchment in Umarga and Nilanga taluks, Osmanabad district, Maharashtra State.

Combined abstract for Ah3k4 & Ah3k5 subwatersheds

1. Survey area : Ah3k4 & Ah3k5 subwatersheds of Nagarjunsagar catchment in Umarga and Nilanga taluks of Osmanabad district, Maharashtra.
2. Total area mapped and reported: 12058 hectares
3. Period of work : 1980 December - 1981 May
4. Soil series mapped and area in hectares under each

<u>Sl.No.</u>	<u>Soil series name</u>	<u>Area in hectare</u>	<u>Percentage</u>
1.	Dudnal	109	0.9
2.	Guruwadi	3741	31.0
3.	Jungalgi	1831	15.2
4.	Mangalveda	3996	33.1
5.	Mulaj	613	5.1
6.	Sangvi	1055	8.7
7.	Umarga	19	0.2
8.	Miscellaneous lands	694	5.8
Total		12058	100.0

5. Distribution of areas under different land capability units

<u>Land capability unit</u>	<u>Area (hectare)</u>	<u>Percentage</u>	<u>Soil series</u>
IIs-1	613	5.1	Mulaj
IIs-2	12	0.1	Dudnal
IIes-1	828	6.9	Sangvi
IIes-2	56	0.5	Sangvi
IIes-3	97	0.8	Dudnal
IIIes-1	168	1.4	Sangvi & Umarga
IIIes-2	4821	40.0	Jungalgi Mangalvedha
IIIes-3	1000	8.3	Sangvi Mangalveda Jungalgi
IVes-1	974	8.1	Guruwadi
IVes-2	2275	18.9	Guruwadi
VIes-1	520	4.3	Guruwadi
	<u>11364</u>	<u>94.4</u>	
Miscellaneous lands	694	5.6	
Total	12058	100.0	

6. Specific problematic areas:

- | | |
|-----------------------------------|----------------|
| 1. Moderate erosion on 1-5% slope | -7595 hectares |
| 2. Severe erosion on 1-5% slope | 3249 " |
| 3. Severe erosion on 5-10% slope | 520 " |

