

Report on detailed soil survey of Nm3d subwatershed of Nizamsagar catchment in Nilanga and Ausa taluks of Osmanabad district, Maharashtra State.

Abstract for Nm3d subwatershed

1. Survey area : Nm3d subwatershed of Nizamsagar catchment in Nilanga and Ausa taluks, Osmanabad district, Maharashtra State.
2. Total area mapped and reported: 5603 hectares
3. Period of work : December and January 1980-81

4. Soil series mapped and the area in hectares under each:

<u>Sl.No.</u>	<u>Soil series name</u>	<u>Area in hectares</u>	<u>Percentage</u>
1.	Basantpur	1002	17.9
2.	Chinkod	279	5.0
3.	Gadgi	240	4.3
4.	Kandgola	759	13.5
5.	Kasarsirsi	385	6.9
6.	Ladha	294	5.2
7.	Nandgaon	169	3.0
8.	Sultanpur	1234	22.0
9.	Wadgaon	1109	19.8
10.	Miscellaneous	<u>132</u>	<u>2.4</u>
		5603	100.0

5. Land capability classification:

<u>Sl.No.</u>	<u>Land capability class</u>	<u>Area in hectares</u>	<u>Percentage</u>	<u>Soil series</u>
1.	Class II	1829	32.6	i) Basantpur ii) Chinkod iii) Sultanpur
2.	Class III	1972	35.3	i) Basantpur ii) Chinkod iii) Gadgi iv) Kandgola v) Kasarsirsi vi) Sultanpur
3.	Class IV	1345	24.0	i) Kasarsirsi ii) Nandgaon iii) Wadgaon
4.	Class VI	31	0.5	i) Kasarsirsi
5.	Class VII	<u>294</u>	<u>5.2</u>	i) Ladha
		5471	97.6	

6. Specific problematic area:

- | | |
|---|-----------------|
| a. Moderate erosion above 3% slope on moderately deep to deeper soils | * 1713 hectares |
| b. Moderate to severe stoniness | * 705 " |
| c. Shallowness | * 1572 " |
| d. Rock out crop | * <u>6</u> " |
| | 3170 " |

* An area of 851 hectares having more than one problem is accounted only once in the grand total but more than once in problematic areas.