

Report on detailed soil survey of Nk2a, Nk2b and Nk2c subwatersheds of Nizamsagar catchment, Aurad taluka, Bidar district, Karnataka State.

Combined abstract for all subwatersheds

1. Survey area: Nk2a, Nk2b and Nk2c subwatersheds of Nizamsagar catchment, Aurad taluka, Bidar district, Karnataka State.

2. Total area mapped and reported:
 Nk2a 1961 }
 Nk2b 2024 } 6674 hectares.
 Nk2c 2689 }

3. Period of work : March to June 1978

4. Soil series mapped and area in hectares covered under each

<u>Soil series name</u>	<u>Area in hectares</u>	<u>Percentage</u>
1. Chinkod	119	1.8
2. Hippalgaon	1208	18.1
3. Kandgola	934	14.0
4. Ladha	825	12.4
5. Sorhally	890	13.3
6. Sultanpur	1088	16.3
7. Wadgaon	1221	18.3
8. Miscellaneous	389	5.8
Total	6674	

5. Land capability classification:

<u>Land capability class</u>	<u>Area in hect.</u>	<u>Percentage</u>	<u>Soil series name</u>
Class II	2677	42.6	i) Chinkod ii) Hippalgaon iii) Sorhally iv) Sultanpur
Class III	1562	24.9	i) Kandgola ii) Sultanpur
Class IV	954	15.2	i) Wadgaon
Class VI	267	4.2	i) Wadgaon
Class VII	825	13.1	i) Ladha
	6285		

6. Specific problematic areas:

- a) Moderate erosion from moderately deep or deeper soils on slopes above 3% - 437 hectares
 - b) Severe erosion - 960 "
 - c) Rock out crops - 54 "
 - d) Moderate to severe stoniness - 2306 "
 - e) Shallowness - 2046 * "
- 5803 "

* These soils have more than one problem, these are accounted for more than once in problematic areas but only once in total area.

