

Report on detailed soil survey of Nj1d, Nj1e, Nj1f subwatersheds of Nizamsagar catchment in Bidar taluk, Bidar district, Karnataka State.

Combined abstract for all 3 subwatersheds

1. Survey area : Nj1d, Nj1e and Nj1f subwatersheds of Nizamsagar catchment, Bidar taluk, Bidar district, Karnataka.

2. Total area mapped and reported 12,238 hectares

3. Period of work : December 1977 to March 1978

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

<u>Sl.No.</u>	<u>Soil series name</u>	<u>Area in hectare</u>	<u>Percentage</u>
1.	Allapur	339	2.8
2.	Basantpur	2306	18.8
3.	Chimkod	415	3.4
4.	Fatehpur	277	2.3
5.	Gadgi	2437	19.9
6.	Hippalgaon	381	3.1
7.	Kazipur	1286	10.5
8.	Nandgaon	3602	29.5
9.	Sultanpur	819	6.7
10.	Miscellaneous	376	3.1
Total		12,238	

5. Land capability classification:

<u>Land capability class</u>	<u>Area in hect.</u>	<u>Percentage</u>	<u>Soil series</u>
Class II	3620	29.6	i) Basantpur ii) Chimkod iii) Hippalgaon iv) Fatehpur v) Sultanpur
Class III	2676	22.4	i) Basantpur ii) Chimkod iii) Gadgi iv) Fatehpur v) Hippalgaon vi) Kazipur vii) Sultanpur
Class IV	5272	42.5	i) Allapur ii) Basantpur iii) Gadgi iv) Hippalgaon v) Sultanpur vi) Nandgaon
Class VI	294	2.4	i) Nandgaon

11,862

Specific problematic areas:

a) Moderate erosion above 3% slope on moderately deep to deep soils	* 1137 hectares
b) Severe erosion	* 2283 "
c) Moderate to severe stoniness	* 2461 "
d) Shallowness	* 3941 "
e) Rock out crop	44 "
	<u>9366</u> "

* An area of 2816 hectares is having more than one problem accounted only once in the grand total but more than once in problematic areas.