

Report on detailed soil survey of Kumsi subwatersheds Ah3h1b and Ah3h1c, under Nagarjunsagar catchment in Aland and Gulbarga taluks, Gulbarga district, Karnataka State.

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Abstract for the area surveyed

1. Survey area : Kumsi subwatershed, Ah3h1b and Ah3h1c in Aland and Gulbarga taluks, Gulbarga district, Karnataka State.

2. Total area mapped and reported: 4865 hectares

3. Period of work : November 1978 to March 1979

4. Soil series mapped and area under each

<u>Soil series name</u>	<u>Area in hectare</u>	<u>Percentage</u>
1. Ashta	721	14.8
2. Basantpur	1310	26.9
3. Chinkod	1105	22.7
4. Gadgi	1612	33.2
5. Miscellaneous	<u>117</u>	<u>2.4</u>
Total	4865	100.0

5. Area under different land capability units

<u>Land capability unit</u>	<u>Area</u>	<u>%</u>	<u>Soil series</u>
i) IIs-1	27	0.6	Basantpur
ii) IIes-1	2345	48.2	Basantpur Chinkod
iii) IIIes-1	43	0.9	Chinkod
iv) IIIes-2	1430	29.4	Gadgi
v) IIIes-3	160	3.3	Gadgi
vi) IVes-1	22	0.5	Gadgi
vii) IVes-2	541	11.1	Ashta
viii) IVes-3	129	2.6	Ashta
ix) VIes-1	51	1.0	Ashta
x) Miscellaneous	<u>117</u>	<u>2.4</u>	
Total	4865	100.0	

6. Specific problematic area

- i) Moderate erosion on slopes 1-3% slopes - 3730 hectares
- ii) Moderate erosion on slopes above 3% - 665 "
- iii) Problem of stoniness with moderate erosion - 362
- iv) Shallow rooting depth - 721