

Report on detailed soil survey and land use of Ah8c3, Ah8c6, Ah8d1 and Ah8d6 subwatersheds of Bhima subcatchment of Nagarjunsagar RVP catchment, Bijapur, Indi and Sindhgi taluks, Bijapur district, Karnataka.

ABSTRACT

1. Surveyed area : Ah8c3, Ah8c6, Ah8d1 and Ah8d6 subwatersheds of Bhima subcatchment of Nagarjunsagar catchment, Bijapur, Indi and Sindhgi taluks of Bijapur district, Karnataka State.
2. Total area mapped and reported : 10,108 hectares in 9 villages.
3. Kind of survey : Detailed soil survey
4. Period of survey : May 1991 to July 1991
5. Agro-climatic zone : Semiarid tropical (No.107)
6. Soil series mapped and total subwatershedwise area under each series.

Sl. No.	Name of the soil series	Subwatershedwise area in hectares				Total area in hectare ^s
		Ah8c3	Ah8c6	Ah8d1	Ah8d6	
1.	Borale	-	1374	353	699	2426
2.	Gadgi	230	-	664	769	1663
3.	Ganganhalli	1369	-	70	183	1622
4.	Jambagi	-	-	675	485	1160
5.	Kumbhare	376	690	167	58	1291
6.	Rugi	254	-	176	198	628
7.	Shivapur	168	360	-	-	528
	Misc.	221	280	66	223	790
Total		2618	2704	2171	2615	10108

7. Area under different land capability classes

Sl.No.	Land capability units	Area in ha.	Percentage	Name of the soil series
1	II	2801	27.7	Borale, Jambagi, Kumbhare and Shivapur
2	III	4344	43.1	Borale, Gadgi, Ganganhall Jambagi, Kumbhare and Shivapur
3.	IV	2085	20.5	Borale, Gadgi, Ganganhalli Kumbhare and Rugi
4.	VI	88	0.9	Rugi
	Misc.	790	7.8	-
Total		10108	100%	

Miscellaneous lands included the area of village sites, roads, streams, and tanks etc.

8. Salient features & specific problematic area:

a) The surveyed area covers an area of 10108 hectares comprises 14 villages under Bijapur, Indi and Sindhgi taluks of Bijapur district.

b) Total seven soil series are met in the surveyed area. Borale series is relatively extensive.

c) Area having very deep soils and above 3% slope affected by moderate erosion is 2090 hectares 20.7%.

d) Area having very deep soils and above 1% slope affected by severe erosion is 618 hectares (6.1%).

e) Area having moderately deep to deep soils and above 1% slope affected by severe erosion is 1094 hectares (10.8%).

f) Area having moderately deep to deep soils and above 3% slope affected by moderate erosion is 2557 hectares (25.3%).