

Report on Detailed Soil Survey and Land Use of Ag3a, Ag3b and Ag3c subwatersheds of Nagarjunasagar Catchment, Shahpur Taluk, Gulbarga District, Karnataka

ABSTRACT

01. Survey area : Ag3a, Ag3b and Ag3c subwatersheds of
Nagarjunasagar catchment, Shahpur taluk,
Gulbarga district, Karnataka
02. Type of survey : Detailed soil survey
03. Type of base map : Cadastral map (1:7,920 scale)
04. No. of villages covered : 14
05. Total area surveyed (ha) : 11,173 ha

(Area in ha)

No.	Subwatershed code	Net area	Misc. area	Total area
01	Ag3a	3474	778	4252
02	Ag3b	3589	438	4027
03	AG3c	2875	19	2894
	Total	9938	1235	11173

06. Period of survey : December 2003 to March, 2004
07. Agro-climatic Zone : Southern plateau and hill region (Zone X)

08. Soil series identified and their subwatershedwise distribution (ha)

	Soil series	Ag3a	Ag3b	Ag3c	Total	Percentage
01	Fatepur	77	110	33	220	2.0
02	Gonpad	560	411	240	1211	10.8
03	Holiguda	1235	909	496	2640	23.6
04	Kondapur	-	326	897	1223	10.9
05	Tatikol	618	135	82	835	7.5
06	Tumkur	281	659	252	1192	10.7
07	Venkatapur	703	919	541	2163	19.3
08	Wadagera	-	120	334	454	4.0
	Total	3474	3589	2875	9938	88.8
	Misc.	778	438	19	1235	11.2
	Grand Total	4252	4027	2894	11173	100.0

09. Potential for agricultural development and land capability classification

Description	Land capability class	Area (ha)	Percentage	Land capability unit	Area (ha)	Soil series
Good cultivated land	II	1241	11.1	II-1	02	Wadagera
				IIe-1	452	Wadagera
				IIes-1	787	Gonpad
Moderately good cultivated lands	III	2556	22.9	IIIs-1	57	Tumkur
				IIIes-1	350	Gonpad
				IIIes-2	1962	Kondapur, Tumkur
				IIIes-3	110	Fatepur
				IIIes-4	77	Fatepur
Fairly good lands suitable for limited cultivation	IV	3978	35.5	IVs-1	16	Holiguda
				IVes-1	74	Gonpad
				IVes-2	33	Fatepur
				IVes-3	396	Kondapur, Tumkur
				IVes-4	760	Tatikol
				IVes-5	75	Tatikol
				IVes-6	1456	Holiguda
				IVes-7	1138	Holiguda
				IVes-8	30	Holiguda
Fairly well suited for grazing lands	V	2163	19.3	Vs-1	227	Venkatapur
				Ves-1	1076	Venkatapur
				Ves-2	262	Venkatapur
				Ves-3	445	Venkatapur
				Ves-4	153	Venkatapur
Total		9938	88.8		9938	
Misc		1235	11.2		1235	
Total		11173	100.0		11173	

