

Report on Detailed Soil Survey and Land Use of Ag3h, Ag3n and Ag3p subwatersheds, Nagarjunasagar Catchment, Shahpur taluk, Gulbarga district, Karnataka

ABSTRACT

01. Survey area : Ag3h, Ag3n and Ag3p 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 : 40
05. Total area surveyed : 15,886 ha

(Area in ha)

Sr. No.	Subwatershed Code	Net area	Misc. area	Total area
01	Ag3h	4733	109	4842
02	Ag3n	3432	355	3787
03	Ag3p	7140	117	7257
	Total	15305	581	15886

06. Agro climatic Zone : Southern hill and plateau region (X)
07. Period of survey : January, 2005 to June, 2005

08. Soil series identified and their distribution (ha) under different subwatersheds

Soil series	Ag3h	Ag3n	Ag3p	Misc.	Total
Baswantapur	118	-	25	-	143 (0.9)
Chennampalli	-	923	328	-	1251 (7.9)
Diggi	-	97	-	-	97 (0.6)
Fatepur	-	-	41	-	41 (0.3)
Gonpad	565	-	290	-	855 (5.4)
Hembral	1871	1213	5443	-	8527 (53.7)
Saidapur	-	72	-	-	72 (0.4)
Shorapur	-	180	-	-	180 (1.1)
Tumkur	236	465	05	-	706 (4.4)
Venkatapur	388	482	621	-	1491 (9.4)
Wadagera	1555	-	387	-	1942 (12.2)
Misc.	-	-	-	581	581 (3.7)
Total	4733	3432	7140	581	15886
Percentage	29.8	21.6	44.9	3.7	100.0

Series area : 96.3%

Miscellaneous : 3.7%

09. Suggestive Land Use based on land capability classification

Land use	Land capability class	Area (ha)	Percent age (%)	Land capability unit	Area (ha)	Soil series
Good cultivated land	II	10038	63.2	IIs-1	2053	Hembral
				IIs-2	709	Shorapur
				IIs-1	6202	Hembral
				IIs-2	1074	Shorapur
Moderately good cultivated lands	III	1237	7.8	IIIes-1	62	Hembral
				IIIes-1	113	Fatepur
				IIIes-2	29	Saidapur
				IIIes-2		Hembral
				IIIes-3	520	Shorapur
				IIIes-3		Hembral
				IIIes-4	364	Wadagera
				IIIes-5	149	Tumkur
Fairly good lands suitable for limited cultivation	IV	336	2.1	Ives-1	143	Baswantapur
				Ives-2	193	Tumkur
Very well suited for grazing. Non arable lands	V	2346	14.8	Vs-1	58	Gonpad
				Ves-1	2280	Gonpad
				Ves-3	05	Venkatapur
				Ves-4	03	Venkatapur
Fairly suited for grazing or afforestation	VII	1348	8.4	VIIes-1	286	Chennampalli
				VIIes-2	1062	Diggi
Total		15305	96.3			Chennampalli
Misc		581	3.7			
Grand Total		15886	100.0			

