

Report on Detailed soil survey and land use of Ag2k, Ag2m, Ag2n, Ag2p and Ag2x subwatersheds of Nagarjunasagar catchment, Deodurg and Raichur taluks , Raichur district, Karnataka

ABSTRACT

01. Survey area : Ag2k, Ag2m, Ag2n, Ag2p and Ag2x subwatersheds of Nagarjunasagar catchment, Deodurg and Raichur taluks, Raichur 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 : 38
05. Total area surveyed (ha) : 20,824 ha

Sr. No.	Subwatershed Code	Net area (ha)	Misc. area (ha)	Total area (ha)
01	Ag2k	2979	163	3142
02	Ag2m	4611	198	4809
03	Ag2n	4151	268	4419
04	Ag2p	4021	142	4163
05	Ag2xs	4152	133	4291
	Total	19920	904	20824

06. Period of survey : April, 1998 to June, 2000

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

Soil series	Ag2k	Ag2m	Ag2n	Ag2p	Ag2x	Total	Percentage
Appandoddi	-	704	1083	1043	11	2841	13.6
Chiksugur	-	111	170	114	-	395	1.9
Dondamalli	-	-	-	184	-	184	0.9
Dungarampuram	680	1527	535	287	-	3029	14.6
Fatepur	104	383	259	666	63	1475	7.1
Gonpad	525	522	775	1012	1115	3949	19.0
Halvenkatapur	886	-	107	359	2626	3978	19.1
Timbalgatti	55	632	381	130	-	1198	5.8
Vadepalli	70	91	173	-	-	334	1.6
Venkatapur	166	-	223	162	73	624	3.0
Yeragunta	488	641	445	64	275	1913	9.2
Total	2979	4611	4151	4021	4158	19920	
Misc. area	163	198	268	142	133	904	4.3
Grand total	3142	4809	4419	4163	4291	20824	100

08. 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	9080	43.6	II-1	534 (2.6)	Vadepalli, Timbalgatti
				Ile-1	2804 (13.5)	Yeragunta Timbalgatti Vadepalli
				Iles-1	5742 (27.6)	Gonpad, Halvenkatapur
Moderately good cultivated lands	III	6796	32.6	IIIes-1	3068 (14.7)	Dungarampuram, Fatepur
				IIIe-1	107 (0.5)	Yeragunta
				IIIes-2	1431 (6.9)	Dongarampuram
				IIIes-3	2185 (10.5)	Fatepur Gonpad Halvenkatapur Yeragunta
				IIIes-4	5	Fatepur

