

# Report on Detailed soil survey and landuse of Ag6m, Ag6n, Ag6p, Ag6x and Ag6y subwatersheds, Lingasugur taluk, Raichur district, Karnataka

## ABSTRACT

01. Survey area : Ag6m, Ag6n, Ag6p, Ag6x, Ag6y subwatersheds of Nagarjunasagar catchment, Lingsugur taluk, 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 : 47
05. Total area surveyed (ha) : 22,381 ha

(Area in ha)

Sr. No.	Subwatershed Code	Net area	Misc. area	Total area
01	Ag6m	3197	89	3286
02	Ag6n	3172	72	3244
03	Ag6p	6043	121	6164
04	Ag6x	3828	85	3913
05	Ag6y	5548	226	5774
	Total	21788	593	22381

06. Period of survey : December, 1997 to June, 1999

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

Soil series	Ag6m	Ag6n	Ag6p	Ag6x	Ag6y	Total	%
Bhupur	-	-	-	405 (10.4)	331 (5.7)	736	3.3
Chennampalli	-	-	-	97 (2.5)	49 (0.8)	146	0.7
Devargudda	-	-	14 (0.2)	407 (10.4)	1027 (17.8)	1448	6.5
Devsugur	46 (1.4)	39 (1.2)	-	-	110 (1.9)	195	0.9
Fatepur	106 (3.2)	453 (13.9)	95 (1.6)	66 (1.7)	266 (4.6)	986	4.4
Gabbur	1351 (41.1)	874 (26.9)	823 (13.4)	565 (14.4)	1330 (23.0)	4943	22.1
Hembral	1569 (47.8)	1788 (55.2)	5009 (81.3)	1397 (35.7)	933 (16.2)	10696	47.8
Mudgal	-	18 (0.6)	76 (1.2)	174 (4.4)	569 (9.9)	837	3.7
Tatikol	125 (3.8)	-	26 (0.4)	717 (18.3)	933 (16.2)	1801	8.0
Total	3197 (97.3)	3172 (97.8)	6043 (98.1)	3828 (97.8)	5548 (96.1)	21788	97.4
Misc.	89 (2.7)	72 (2.2)	121 (1.9)	85 (2.2)	226 (3.9)	593	2.6
Grand total	3286 (100)	3244 (100)	6164 (100)	3913 (100)	5774 (100)	22381	100

08. Potential for agricultural development and land capability classification

Description	Land capability class	Area (ha)	Percent age	Land capability unit	Area (ha)	Soil series
Good cultivated	II	6643	29.7	Iles1	448 6195	Bhupur Hembral
Moderately good cultivated lands	III	7167	32.0	IIIes1	246 4501	Bhupur Hembral
				IIIes-2	620 118	Devargudda Fatepur
				IIIes-3	814 868	Devargudda Fatepur
Fairly good lands suitable for limited cultivation	IV	1857	8.3	IVes-1	42	Bhupur
				IVes-2	14	Devargudda
				IVes-3	1211	Tatikol
				IVes-4	161	Tatikol
				IVes-5	429	Tatikol
Very well suited for grazing. Not arable	V	5975	26.7	Ves-1	1327 179	Gabbur Mudgal
				Ves-2	3616 635	Gabbur Mudgal
				Ves-3	23	Mudgal
				Ves-4	176	Devsugur
				Ves-5	19	Devsugur
Well suited for grazing and	VI	146	0.7	VIes-1	146	Chennampalli
Total		21788	97.4		21788	
Misc		593	2.6		593	
Total		22381	100.0		22381	

