

Report on Detailed Soil Survey and Land Use of Nc2b, Nc2f, Nc3a, Nc3c, Nc3d subwatersheds of Nizamsagar catchment, Sangareddi and Alladurg taluk of Medak district, Andhra Pradesh.

**ABSTRACT**

1. Survey area : Nc2b, Nc2f, Nc3a, Nc3c and Nc3d subwatersheds of Nizamsagar catchment, Medak district, A.P.
2. Total area surveyed and reported : 15087 hectares
3. Type of survey : Detailed soil survey
4. Period of survey : January 1995 to April 1995
5. Base map used : Cadastral maps 1:7920 scale
6. agro-climatic zone: Semiarid subtropical
7. Soil series mapped and subwatershedwise area under each soil series

Sl. No.	Soil series	Subwatershedwise area ( in ha.)					Total area(ha.)	%
		Nc2b	Nc2f	Nc3a	Nc3c	Nc3d		
1.	Almaipet	-	42	3	5	5	55	0.4
2.	Jogipet	19	43	-	-	-	62	0.4
3.	Karpol	286	245	557	80	45	1213	8.0
4.	Laxmisagar	590	722	281	101	123	1817	12.0
5.	Masanpalli	45	58	215	250	136	704	4.7
6.	Mudimanik	323	173	-	-	-	496	3.3
7.	Pippalpalli	1775	703	1648	1490	599	6215	41.2
8.	Sangupet	4	14	-	-	-	18	0.1
9.	Vendikol	375	143	145	74	26	763	5.1
10.	Misc.	233	180	323	343	343	1422	9.4
Total		3650	2323	3433	3700	1981	15087	100%
Percentage		24.2	15.4	22.8	24.5	13.1	100%	

9. Area under different land capability classes

Sl. No.	Land capability class	Area (ha.)	Percentage	Soil series
1.	II	8117	54.0	Koppal, Masanpalli, Pippalpalli
2.	III	4591	30.3	Laxmisagar, Mudimanik, Jogipet
3.	IV	932	6.2	Karpol, Masanpalli, Pippalpalli
4.	VI	18	0.1	Sangupet
5.	Misc. lands	1422	9.4	
Total		15087	100%	

### 10. Specific problematic area

Sl.No.	Specific problems	(Area in hectares)					Total
		Nc2b	Nc2f	Nc3a	Nc3c	Nc3d	
1.	Stoniness	2	18	-	-	3	23
2.	Rockiness	556	524	83	36	94	1293
3.	Shallow soil depth	23	99	3	5	5	135
4.	Severe soil erosion	264	58	77	251	140	790
5.	Moderate erosion on slope above 3% soils	1277	685	893	1074	547	4476
Actual problematic area		2122	1384	1056	1366	789	6717