

**Report on detailed soil survey and landuse of
Ag4n, Ag4o, Ag4r and Ag4s subwatersheds of
Nagarjunasagar Catchment, taluk Deodurg, district Raichur,
Karnataka State**

ABSTRACT

01. Survey area : Nagarjunasagar Catchment, Taluk Deodurg
District Raichur, Karnataka State
Ag4n, Ag4o, Ag4r and Ag4s subwatersheds

02. Type of survey : Detailed Soil Survey

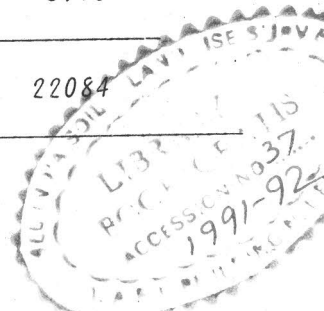
03. Total area : 22,084 ha

Subwater- shed	Net area	Misc. area	Total area
Ag4n	7821	498	8319
Ag4o	4381	274	4655
Ag4r	2377	538	2915
Ag4s	4977	1218	6195
Total	19556	2528	22084

04. Period of survey : November 1987 to March 1990

05. Soil series and their extent

Name of soil series (Symbol)	Ag4n	Ag4o	Ag4r	Ag4s	Total
Chennampalli (C)	-	-	55 (2.3)	51 (1.0)	106 (0.5)
Devarkonda (DK)	360 (4.6)	490 (11.2)	408 (17.1)	450 (9.0)	1708 (8.7)
Gabbur (G)	2124 (27.2)	1509 (34.4)	256 (10.8)	1366 (27.4)	5255 (26.9)
Hembaral (H)	3235 (41.6)	1970 (45.0)	1509 (63.5)	1792 (36.0)	8524 (43.7)
Patancheru (PT)	-	-	-	113 (2.3)	113 (0.6)
Tatikol (T)	-	279 (6.4)	149 (6.3)	8 (0.2)	436 (2.2)



Telugupalli (TP)	-	133 (3.0)	-	26 (0.5)	159 (2.2)
Timmapur (TM)	2084 (26.6)	-	-	1471 (23.6)	3255 (16.6)
Net area	7821	4381	2377	4977	19556
Misc.	498	274	538	1218	2528
Grand total	8319	4655	2915	6195	22084

06. Potential for agricultural development land capability classification

Description	Land cap.	Area (ha)	Land cap. unit	Area (ha)	Soil series
Good cultivated land	II	10969 (56.1)	II-1	159	Telugupalli
			IIe-1	113	Patancheru
			IIs-1	90	Gabbur
			IIes-1	10607	Hembaral
Mod. good cultivated land	III	6252 (32.0)	IIIes-1	2861	Gabbur
			IIIes-2	1091	Hembaral
			IIIes-3	18	Devarkonda
			IIIes-4	2282	Devarkonda
Fairly good	IV	2335 (11.9)	IVes-1	221	Timmapur
			IVes-2	599	Hembaral
			IVes-3	973	Devarkonda
			IVse-1	232	Timmapur
			IVse-2	70	Tatikol
			IVse-3	240	Tatikol
19556					Chennampalli

07. Salient features and specific problems.

Eight soil series have been identified in the surveyed area. Out of the total area of 19556 ha, an area of 2363 ha (21.1) is occupied by gravelly coarse textured and remain of the total area of 17193 ha (87.9) is covered by clayey.