

Report on Detailed Soil Survey and Land use of Mf1a, Mf2a, Mf2b, Mf2d, Mf2f, Mg1a, Mg1b, Mg2a, Mg2b, Mg2c and Mg2d subwatersheds of Malaprabha Subcatchment, Nagarjunasagar catchment, Bailhongal and Saundatti Taluks, Belgaum District, Karnataka.

ABSTRACT

1. Surveyed Area : Mf1a, Mf2a, Mf2b, Mf2d, Mf2f
Mg1a, Mg1b, Mg2a, Mg2b, Mg2c
and Mg2d subwatersheds, Mala-
prabha subcatchment, Nagarjunasagar
catchment, Bailhongal and Saundatti
Taluks, Belgaum District, Karnataka.
2. Total area mapped and reported : 31340 hectares
3. Type of survey : Detailed soil survey
4. Period of survey : March 1990 to May 1991
5. Agro-climatic Region : Southern Plateau & Hills Region
(No.10)
6. Agro-climatic Zone : Northern Dry Zone (No.3) and
Northern Transition Zone (No.8)
7. Soil series mapped and total & subwatershed wise area
under each series:

Sl. No.	Name of the soil series	Subwatershedwise area					Mg1a
		Mf1a	Mf2a	Mf2b	Mf2d	Mf2f	
1.	Belwadi	-	20	171	9	1154	52
2.	Dyampur	116	480	218	186	-	381
3.	Hosur	16	-	-	9	-	8
4.	Kallur	-	67	6	-	-	-
5.	Kenchlarkop	261	44	217	29	129	97
6.	Lakshmapur	504	1079	427	654	-	1003
7.	Mainahalli	146	522	169	189	-	202
8.	Siddasamudra	-	43	236	22	755	-
9.	Singarkop	264	242	2355	458	834	519
10.	Sompur	-	22	-	-	-	-
11.	Thimmapur	-	-	-	-	303	-
	Miscl. lands	1364	128	276	107	227	962
	Total	2671	2647	4075	1663	3402	3224
		8.5	8.4	13.0	5.3	10.9	10.3

Sl. No.	Name of the soil series	Subwatershedwise area					Total area
		Mg1b	Mg2a	Mg2b	Mg2c	Mg2d	
1.	Belwadi	555	-	93	-	-	2054
2.	Dyampur	20	447	285	393	897	3423
3.	Hosur	-	35	-	-	-	68
4.	Kallur	-	19	30	40	86	248
5.	Kenchlarkop	799	15	77	-	-	1668
6.	Lakshmapur	1534	951	859	1336	857	9204
7.	Mainahalli	149	381	106	132	584	2580
8.	Siddasamudra	-	-	-	-	-	1056
9.	Singarkop	698	127	756	-	48	6301
10.	Sompur	-	-	-	-	-	22
11.	Thimmapur	-	-	-	-	-	303
	Miscl. lands	340	111	641	90	167	4413
	Total	4095	2086	2847	1991	2639	31340
		13.1	6.7	9.1	6.3	8.4	100.0

8. Area under different land capability classes

1.	II	9535	30.4	Belwadi, Dyampur, Hosur, Kallur, Lakshmapur, Siddasamudra, Thimmapur
2.	III	13169	42.0	Dyampur, Lakshmapur, Mainahalli, Siddasamudra, Singarkop, Thimmapur.
3.	IV	2619	8.4	Kenchlarkop, Singarkop, Sompur.
4.	VI	414	1.3	Kenchlarkop
	Forest	1190	3.8	
	Miscl. land	4413	14.1	
	Total	31340	100.0	

N.B. Miscellaneous lands included the area under village sites, roads, streams, tanks etc.

9. Salient features and specific problematic area:

a) The surveyed area covers an area of 31340 hectares; comprise 63 villages under Bailhongal and Saundatti taluks of Belgaum district, Karnataka.

b) Total eleven soil series are met within the surveyed area. Only the soils of Dyampur, Lakshmapur and Singarkop series are relatively extensive.

c) Area having very deep soils and above 3% slope affected by moderate erosion is 4607 hectares (14.0%)

d) Area having moderately deep to deep soils and above 3% slope affected by moderate erosion is 10497 hectares (33.5%)

e) Area having the soils of shallow rooting depth is 1775 hectares (5.7%).