

Report on detailed soil survey and land use of Mf1b, Mf1c, Mf1d and Mg3a subwatersheds of Malaprabha catchment a part of Nagarjunsagar catchment in Bailhongal and Saundatti taluks of Belgaum district, Karnataka State.

i. ABSTRACT

1. Surveyed area : Mf1b, Mf1c, Mf1d and Mg3a subwatersheds of Malaprabha catchment of Nagarjunsagar catchment in Bailhongal and Saundatti taluks of Belgaum district, Karnataka State.
2. Total area mapped and reported : 13430 hectares
3. Period of work : 21.11.1988 to 24.3.1989
4. Type of work : Detailed soil survey
5. Soil series mapped and their extent under each subwatershed

Sl. No.	Soil series	Subwatershed				Area in hectare	Percentage
		Mf1b	Mf1c	Mf1d	Mg3a		
1.	Anigol	-	-	-	166	166	1.2
2.	Dyampur	198	362	108	154	822	6.1
3.	Hosur	8	-	-	66	74	0.50
4.	Kenchlarkop	48	-	-	44	92	0.70
5.	Lakshmapur	1160	2065	3001	2492	8718	65.0
6.	Mainahalli	202	685	227	677	1791	13.3
7.	Singarakop	165	12	-	536	713	5.3
8.	Sompur	44	-	12	36	92	0.7
9.	Miscellaneous	347	79	133	403	962	7.20
Total		2172	3203	3481	4574	13430	100.0

6. Area under different land capability class

Sl. No.	Land capability class	Area	Percentage	Soil series
1.	II	3672	27.3	Lakshmapur, Hosur Dyampur
2.	III	8333	62.0	Anigol, Mainahalli, Dyampur, Singarakop Lakshmapur
3.	IV	359	2.7	Sompur, Mainahalli, Lakshmapur, Singarakop
4.	VII	104	0.8	Kenchlarkop, Singarakop
	Miscellaneous	962	7.2	
Total		13430	100.0	

7. Specific problematic areas

	Mf 1b	Mf 1c	Mf 1d	Mg 3a	Total
1. Moderate erosion on slope above 3% on moderately deep to deep to very deep soils	1067	2567	1770	2191	7595
2. Moderate erosion on slope above 3% on moderately deep soils with stoniness and gravelliness	173	193	-	344	710
3. Shallowness	92	-	12	80	184
4. Severe erosion	15	40	36	12	103
Total	1347	2800	1818	2627	8592

8. Villagewise area under different subwatersheds

Sl. No.	Name of the village	Total area of the villages (ha.)	Area within subwatershed (in hectares)			
			Mf 1b	Mf 1c	Mf 1d	Mg 3a
1.	Amtur	761	-	-	-	24
2.	Asundi	2071	-	1503	4	-
3.	Anigol	1342	-	-	-	1339
4.	Bailhongal	2212	-	-	-	845
5.	Bomgundikop	332	-	45	-	-
6.	Budihal	725	-	-	219	-
7.	Chickop	755	-	-	-	161
8.	Chickmulkur	308	-	-	-	202
9.	Doddwad	4143	-	48	279	-
10.	Gurulhosur	693	416	40	-	-
11.	Govankop	355	-	65	89	-
12.	Hittangi	746	-	202	367	-
13.	Hiremulkur	256	-	-	-	30
14.	Hosur	2773	-	-	-	561
15.	Ingalgi	837	-	-	-	124
16.	Kadihalli	334	34	-	-	-
17.	Karikatti	2353	-	487	-	-
18.	Karikop	591	-	-	-	329
19.	Kenchlarkop	427	416	-	-	-
20.	Mugabasava	612	-	-	399	-
21.	Mugali	649	-	185	40	-
22.	Naduvinahalli	591	272	-	-	-
23.	Saundatti	2762	758	367	-	-
24.	Singarakop	859	273	261	-	-
25.	Sutkatti	853	-	-	595	-
26.	Udekeri	1472	-	-	269	-
27.	Vakkund (Sangtikoppa Hamlet)	1833	-	-	-	959
28.	Yenagi	1634	-	-	1220	-
Total	28142	2172	3203	3481	4574	
Gujlarkop (Partly submerged)	266					
Koslapur (fully submerged)	284					
	33829					