

Report on detailed soil survey and land use of Mg2f, Mg2g, Mg3b, Mg4a, Mg4b, Mg4c, Mg4d, Mg4f, Mg4g and Mg4h subwatersheds of Malaprabha subcatchment in Bailhongal and Saundatti taluks of Belgaum district, Karnataka.

**ABSTRACT**

1. Survey area : Mg2f, Mg2g, Mg3b, Mg4a, Mg4b, Mg4c, Mg4d, Mg4f, Mg4g, Mg4h subwatersheds of Malaprabha catchment, Bailhongal and Saundatti taluks, Belgaum district, Karnataka.
2. Total area mapped and reported : 25,376 hectares
3. Period of work : November 1990 - April 1991
4. Agro climatic zone : Northern dry zone(No.3) and Northern Transition zone(No.8)
5. Soil series mapped and their distribution of Karnataka.

Sl. No.	Soil series name	SUBWATERSHEDS										Total	%
		Mg2f	Mg2g	Mg3b	Mg4a	Mg4b	Mg4c	Mg4d	Mg4f	Mg4g	Mg4h		
1.	Aralikatti	-	-	-	-	-	-	111	-	25	696	832	3.2
2.	Basantpur	775	1293	1820	943	1513	543	175	680	1211	560	9513	37.5
3.	Chandan Hosur	-	-	475	116	152	-	84	471	529	41	1868	7.4
4.	Chimkod	-	-	827	62	1022	-	420	203	253	411	3193	10.6
5.	Kadiyapur	-	-	84	-	143	-	870	-	130	1255	2482	9.3
6.	Kenchalarkop	71	-	286	-	-	-	-	-	-	-	357	1.4
7.	Kumbare	127	328	-	-	27	45	74	-	11	-	612	2.4
8.	Marikatti	-	-	-	-	-	-	110	-	71	323	504	2.0
9.	Nandeswar	708	778	26	-	15	839	38	-	-	-	2404	9.5
10.	Siddasamudra	-	-	-	20	16	-	-	41	-	-	77	0.3
11.	Singarkop	327	154	-	-	-	319	-	-	-	-	810	3.2
12.	Talsangi	434	382	-	-	-	204	-	-	-	-	1020	4.0
13.	Yergop	-	-	64	104	-	-	-	117	116	-	401	1.6
14.	Misc.	175	165	214	78	151	65	90	97	139	124	1298	5.1
Total		2617	3110	3796	1323	3039	2015	1972	1609	2485	3410	25376	100.0

6. Land capability classification

Sl. No.	Land capability class	Area in ha.	Soil series
1.	II	8237	Basantpur, Chimkod, Kumbare, Siddasamudra and Yergop
2.	III	12716	Basantpur, Chandanhosur, Chimkod, Kumbare, Kadiyapur, Nandeswar, Singarkop, Yergop
3.	IV	1878	Aralikatti, Basantpur, Kadiyapur, Kenchalarkop, Talsangi and Chandanhosur
4.	VI	562	Aralikatti, Kadiyapur, Kenchalarkop
5.	VII	685	Aralikatti, Marikatti
6.	Misc.	1298	
		<u>25376</u>	

7. Specific problematic areas (subwatershedwise) (Area in hectares)

Sl. No.	Mg2f	Mg2g	Mg3b	Mg4a	Mg4b	Mg4c	Mg4d	Mg4f	Mg3g	Mg4h	Total
i) Moderate erosion > 3% slope moderately deep to very deep soils	817	942	1593	370	1678	756	1242	687	1097	1925	11107
ii) Severe erosion	-	-	*165	-	14	-	*187	-	76	*479	*921
iii) Shallowness	505	382	286	-	-	204	111	-	25	696	2209
iv) Rockiness	-	-	-	-	-	-	*110	-	*71	*503	*684
Total	1322	1324	1879	370	1692	960	1515	687	1198	2944	13891

Note: 1030 hectares is having more than one problem and shown by \* mark.