Report on detailed soil survey and land use of Mh1b, Mh1c, Mh1d, Mh1f Mh3b, Mg4j, Mg4k, Mg4m, Mg5a and Mg5b subwatersheds, Malaprabha catchment, Bailhongal and Belgaum taluks, Belgaum district, Karnataka State.

ABSTRACT

1. Surveyed area

Mh1b, Mh1c, Mh1d Mh1f, Mh3b, Mg4j, Mg4k, Mg4m, Mg5a and Mg5b subwatersheds, Malaprabha catchment in Bailhongal and Belgaum taluks, Belgaum district, Karnataka State.

2otTotal area mapped & reported:

23,056 hectares

3. Kind of survey

Detailed soil survey

4. Period of work

November 1990 to March 1991

5. Agroclimatic region

Southern plateau and hills region

(code 10)

6. Agro climatic zone

: Northern transition zone (code 8)

7. Soil series mapped and total subwatershed area under each series

S1. Name of the No. soil series			Subv	vater	shed	wise	area	in_	ha.		Total/
NO. SOLL SELLES	Mh1b	Mh1c	Mh1d	Mh1f	Mh3b	Mg4j	Mg4k	Mg4m	Mg5a	Mg5b	Percentage
1. Arlikatti	22	95	22	31 .	33	432	231	81	-	_	947 4.1%
2. Basantpur	1276	381	618	369	637	495	135	248	833	1086	6078 28.6%
3. Bagevadi	59	-	18	63	151		-	-	11	227	529 2.5%
4 Borale	-	54	202	-	<u></u> `	-	-	-	-	-	256 1.1%
5. Chimkod	48	280	10	325	135	362	92	183	23	37	1495 6.5%
6. Chandanhosur	326	203	105	747	514	157	14	153	705	795	3719 16.1%
7. Kadiyapur	81	386	521	551	283	1048	1642	1049	-	-	5561 24.1%
8. Marikatti	18	119	172	426	96	116	150	110	_	- *	1207 5.2%
9. Yeragoppa	400	27	27	217	39	_	-	-	468	296	1474 6.4%
Sub-Total							22264				21266
Misc.	9.7 156 007	6.7 107 0.	77	11.8 120 3 0.5	8.2 48 0.2	11.3 97 0.4	9.8 58 0.3	62	7773 3.4	10.6 292 1.2	92.2 1790 7.8
Grand Total	2386	1652	1772 100%	2849	1936	2707	2322	1886	2813 100%	2733	23056 100%

8. Area under different land capability classes

S1.	Land capability unit	Area	Percentage	Soil series
1.	II	5956	25.8	Basantpur Bagevadi Borale,Chimkod Yeragoppa
2.	III	10638	46.2	Basantpur, Bagevadi Borale,Chimkod Chandanhosur Kadiyapur,
÷.		1.402.	1.7	Yerragoppa
3.	IV GOOD TOO	1402	6.1 48	Arlikatti Basantpur Kadiyapur
4.	VI	3126	13.6	Arlikatti, Chimkod Chandanhosur Kadiyapur Marikatti
5.	VII	89	0.4	Marikatti
6.	Misc.	1790	12.9	
7.	Forest	55	0.2	Harman .
	Total	23056		

Miscellaneous lands included in the area under village sites, Nallah, ROC, Roads, Tanks, Reservoir etc,

- 9. Salient features and specific problematic area
- a) Nine soil series are met within the surveyed area but only Basantpur, Chandanhosur, Kadiyapur series are relatively extensive.
- b) Area having very deep soils and above 1% slope affected by severe erosion is 157 hectares (0.6%)
- c) Area having very deep soils and above 3% slope affected by severe erosion is 2012 hectares (8.7%).
- d) Area having moderately deep to deep soil and above 1% affected by severe erosion is 2283 hectares (9.9%)
- e) Area having moderately deep to deep soil and above 3% slope affected by moderate erosion is 9181 hectares (39.8%)