

Report on Detailed Soil Survey and Land Use of Tb4b, Tb4g, Tb4h and Tb5a Subwatersheds of Tungabhadra catchment in Koppal and Yelburga taluks, Raichur district, Karnataka State.

i. ABSTRACT

1. Survey area : Tb4b, Tb4g, Tb4h & Tb5a subwatersheds of Tungabhadra catchment, Koppal and Yelburga taluks, Raichur district, Karnataka State.
2. Total area mapped and reported 9935 hectares
3. Period of survey work February 1988 to June 1988
4. Extent of Soil Series area under each subwatersheds and their percentage.

Sl. No.	Soil series name & symbol	Subwatersheds				Total area	Percentage
		Tb4b	Tb4g	Tb4h	Tb5a		
1.	Arakeri A	-	-	-	175	175	1.8
2.	Devalapur D	552	668	46	1707	2973	29.9
3.	Kallur K	775	450	68	72	1365	13.8
4.	Manglapur M	304	100	-	424	828	8.3
5.	Mainahalli My	-	170	-	-	170	1.7
6.	Thimmapur T	563	1218	1385	104	3270	32.9
7.	Tipparasanahalu 'Tp'	-	-	-	67	67	0.7
8.	Wadagenahalli 'W'	20	198	--	359	577	5.8
	Miscellaneous	101	128	89	192	510	5.1
Total		2315	2932	1588	3100	9935	100%
Percentage		23.3	29.5	16.0	31.2	100%	

5. Area under different land capability classes

Sl. No.	Land capability class	Area in ha.	Percentage	Soil series
1	II	6126	61.7	Arakeri, Devalapur, Kallur, Manglapur, Thimmapur, Tipparasanahalu.
2.	III	3267	32.9	Kallur, Mainahalli, Thimmapur, Wadagenahalli
3.	IV	32	0.3	Thimmapur
	Miscellaneous River, Habitation, Road	510	5.1	
		9935	100.0	

7. Specific problematic area

Moderate erosion on slope above 3% on moderately  
deep to very deep soils

5695

Severe erosion

32

Total

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5727