

Report on Detailed Soil Survey and Land Use of Tb6c, Tb6f, Tb6g and Tb6h subwatersheds in Tungabhadra catchment in Ron Taluk of Dharwar District and Yelburga Taluk of Raichur District Karnataka State.

i- ABSTRACT

1. Surveyed area : Tb6c, Tb6f, Tb6g and Tb6h subwatersheds of Tungabhadra catchment, Dharwar and Raichur Districts Karnataka.
2. Type of survey : Detailed Soil Survey
3. Total area surveyed and mapped : 11,213 hectares
4. Period of survey : November 1986 to March 1987
5. Soil series mapped and their extent.

Sl. No.	Soil Series	Subwatershedwise extent & percentage									
		Tb6c	%	Tb6f	%	Tb6g	%	Tb6h	%	Total	%
1.	HALKERI (HK)	401	3.5	467	4.2	201	1.8	613	5.5	1682	15.0
2.	KOPPA (KP)	506	4.5	-	-	178	1.6	-	-	684	6.1
3.	LAKSHMAPUR(L)	825	7.4	1454	13.0	3319	29.6	2196	19.6	7794	69.5
4.	MAINAHALLI(MY)	468	4.2	-	-	-	-	284	2.5	752	6.7
TOTAL		2200	19.6	1921	17.2	3698	33.0	3093	27.6	10912	97.3
MISCELLANEOUS LANDS		81	0.7	60	0.5	99	0.9	61	0.5	301	2.7
GRAND TOTAL		2281	20.3	1981	17.7	3797	33.9	3154	28.1	11213	100.0

6. Distribution of area under Different Land Capability classes

Sl.No.	Land capability Classes	Area in hectares	%	Series
1.	II	3702	33.0	Halkeri, Koppa & Lakshmapur
2.	III	6906	61.6	Halkeri, Koppa & Lakshmapur and Mainahalli.
3.	IV	304	2.7	Lakshmapur
Total		10912	97.3	
Miscellaneous lands		301	2.7	
GRAND TOTAL		11213	100.0	

8. Salient features

1. The whole area under report is made up of black soil only.
2. Very deep black soils extend over an area 9496 hect (84.5%)  
Deep soils extend over an area 684 hect (6.1%)  
Moderately deep black soils extend over 752 hectares (6.7%)
3. Out of 11,213 hectares surveyed and reported, 6458 hectares (57.6%) land is prone for moderate to severe erosion.