

Report on Detailed Soil Survey and Land Use of Tb7f, Tb7g, Tb7h, Tb8m and Tb9h Subwatersheds of Tungabhadra Catchment, Koppal & Yelburga Taluks, Raichur District and Mundargi & Ron Taluks, Dharwar District, Karnataka.

i. ABSTRACT

1. Surveyed area : Tb7f, Tb7g, Tb7h, Tb8m and Tb9h Subwatersheds of Tungabhadra Catchment (Karnataka)
2. Period of survey : December 1986 to July 1987.
3. Kind of survey : Detailed Soil Survey
4. Total area mapped and reported : 17365 hectares.
5. Total series mapped and subwatershedwise area under each series :

Sl. No.	Soil series	Subwatersheds					Area in ha.	
		Tb7f	Tb7g	Tb7h	Tb8m	Tb9h	Total	%
1.	Devalapur	231	-	-	-	-	231	1.3
2.	Dyampur	173	153	536	324	70	1256	7.2
3.	Kallur	111	55	161	80	141	548	3.2
4.	Lakshmapur	1404	367	639	2193	471	5074	29.2
5.	Mainahalli	51	115	406	273	34	879	5.1
6.	Sompur	71	50	67	63	-	251	1.5
7.	Thimmapur	3055	1446	1850	1625	746	8722	50.2
8.	Varadapur	15	-	-	-	-	15	0.1
9.	Wadagenahalli	-	-	-	25	-	25	0.1
Sub Total		5111	2186	3659	4583	1462	17001	97.9
Miscellaneous lands		95	35	85	113	36	364	2.1
Grand Total		5206	2221	3744	4696	1498	17365	100.0

6. Subwatershedwise area under different land capability classes

	Total	Subwatersheds					Soil Series
		Tb7f	Tb7g	Tb7h	Tb8m	Tb9h	
II	5563	1746	422	829	2105	461	Devalapur, Kallur Lakshmapur, Thimmapur.
III	2064	1080	441	353	190	-	Dyampur, Wadagenahalli.

	Total	Subwatersheds					Soil Series
		Tb7f	Tb7g	Tb7h	Tb8m	Tb9h	
IV	9123	2214	1273	2410	2225	1001	Dyampur, Lakshmapur, Mainahalli
VI	251	71	50	67	63	-	Thimmapur, Varadapur, Sompur.
Sub- Total	17001	5111	2186	3659	4583	1462	
Misc. lands	364	95	35	85	113	36	
Grand Total	17365	5206	2221	3744	4696	1498	

**Salient features and problematic area :**

i) Nine soil series are met within the surveyed area but only Lakshmapur and Thimmapur series are relatively extensive.

ii) Area having very deep soils and above 1% slope affected by severe erosion is 9681 hectares (55.8%).

iii) Area having moderately deep to deep soils and above 1% slope affected by severe erosion is 2113 hectares (12.2%).

iv) Area having shallow rooting soil is 333 hectares (1.9%).