

Report on Detailed Soil Survey and Land Use of Tb3c, Tb3d, Tb3f and Tb8k Subwatersheds of Tungabhadra Catchment in Koppal & Yelburga taluks of Raichur Districts, Karnataka.

ABSTRACT

1. Surveyed area : Tb3c, Tb3d, Tb3f & Tb8k subwatersheds of Tungabhadra catchment, Koppal & Yelburga taluks of Raichur district, Karnataka State.
2. Total area mapped and reported : 9038 hectares in 15 villages
3. Period of work : May-July 1986
4. List of villages

Sl. No.	Name of the village	Total area of the villages in ha.	Area falling within the Sub-watersheds				
			Tb3c	Tb3d	Tb3f	Tb8k	Total
1.	Bannikoppa	2751	-	-	-	1496	1496
2.	Chittapur	451	-	297	106	-	403
3.	Handrahalu	654	648	-	-	-	648
4.	Hanahalu	757	-	745	-	-	745
5.	Hiresindogi	1792	362	-	-	-	362
6.	Itagi	1281	-	-	-	244	244
7.	Katerhalli	856	52	433	-	-	485
8.	Kavlur	10315	30	-	32	1086	1148
9.	Komalapur	765	159	-	556	-	715
10.	Lakshmapur	852	-	272	-	-	272
11.	Mannapur	342	-	-	-	135	135
12.	Narasipur	272	218	-	-	-	218
13.	Tadkal	5670	-	41	1594	168	1803
14.	Talbal	951	-	-	235	-	235
15.	Wadagenahalli	553	-	129	-	-	129
<b>Total</b>		<b>28262</b>	<b>1469</b>	<b>1917</b>	<b>2523</b>	<b>3129</b>	<b>9038</b>

5. Soil series mapped and area in hectares under each

Sl. No.	Soil series name	Subwatersheds and area in hectares				Total	%
		Tb3c	Tb3d	Tb3f	Tb8k		
1.	Devalapur	43	285	-	-	328	3.6
2.	Dyampur	862	433	-	-	1295	14.3
3.	Kallur	-	14	115	93	222	2.5
4.	Lakshmapur	25	382	119	1041	1567	17.3
5.	Mangalapur	-	-	113	-	113	1.2
6.	Mainahalli	298	123	650	674	1745	19.3
7.	Sompur	-	-	702	-	702	7.8
8.	Thimmapur	175	433	417	1240	2265	25.1
9.	Wadagenahalli	14	172	308	-	494	5.5
	Miscellaneous lands	52	75	99	81	307	3.4
	<b>Total</b>	<b>1469</b>	<b>1917</b>	<b>2523</b>	<b>3129</b>	<b>9038</b>	<b>100.0</b>

6. Area under different land capability classes

Sl. No.	Land capability unit	Area in ha.	Percentage	Soil series
1	II	5339	59.1	Devalapur, Dyampur, Kallur, Lakshmapur, Mangalapur, Thimmapur
2	III	2690	29.8	Lakshmapur, Mainahalli, Thimmapur, Wadagenahalli
3	IV	702	7.7	Sompur
	Misce.	307	3.4	
	<b>Total</b>	<b>9038</b>	<b>100.0</b>	

7. Specific problematic area

a)	Moderate erosion on slope above 3% on moderately deep to deep soils	839 hectares
b)	Severe erosion	192 "
c)	Shallow rooting depth	702 "
	<b>Total</b>	<b>1733</b>

