

ABSTRACT

1. Survey area : Tb7d, Tb7j, Tb7k and Tb7m subwatersheds of Tungabhadra catchment in Gadag, Ron, Mundargi and Yelburga taluks of Dharwar and Raichur districts Karnataka.
2. Total area mapped and reported : 13825 hectares.
3. Period of work : November 1986 to March 1987
4. Agro climatic region. : 10
5. Soil series mapped and its respective areas

Sl.No.	Soil Series Name	Area in hectares	Percentage
1.	Dyampur	1627	11.8
2.	Kallur	1760	12.7
3.	Lakshmapur	935	6.8
4.	Mainahalli	573	4.1
5.	Sompur	243	1.8
6.	Thimmapur	8288	59.9
7.	Miscellaneous	399	2.9
	Total area	13825	100.0

6. Land Capability Classification

Sl.No.	Land Capability Class	Area in hectares	Percentage	Soil series
1.	II	8133	58.9	Dyampur, Kallur, Lakshmapur, Thimmapur
2.	III	5050	36.4	Dyampur, Kallur, Lakshmapur, Mainahalli, Thimmapur
3.	IV	181	1.3	Sompur
4.	VI	62	0.5	Sompur
	Miscellaneous	399	2.9	
		13825	100.0	

7. (i) Subwatershedwise Abstract for Tb7d, Tb7j, Tb7k and Tb7m subwatersheds (area in hectares)

Sl.No.	Soil Series	Tb7d	Tb7j	Tb7k	Tb7m	Total	Percentage
1.	Dyampur	200	153	407	867	1527	11.8
2.	Kallur	66	186	726	782	1760	12.7
3.	Lakshmapur	935	-	-	-	935	6.8
4.	Mainahalli	196	176	96	105	573	4.1
5.	Sompur	95	63	70	15	243	1.8
6.	Thimmapur	1623	919	2711	3035	8288	59.9
7.	Miscellaneous	132	58	140	69	399	2.9
		3247	1555	4150	4873	13825	100.0

7.(ii) Land Capability Classification

Sl.No.	Land capability class	Tb7d	Tb7j	Tb7k	Tb7m	Total	%	Soil series
1.	II	2602	474	2133	2924	8133	58.9	Dyampur, Kallur Lakshmapur Thimmapur
2.	III	418	960	1807	1865	5050	36.4	Dyampur Kallur Lakshmapur Mainahalli Thimmapur
3.	IV	95	24	62	-	181	1.3	Sompur
4.	VI	-	39	8	15	62	0.5	Sompur
	Misc.	132	58	140	69	399	2.9	
	Total	3247	1555	4150	4873	13825	100%	

7.iii) Specific problematic area subwatershedwise

	Tb7d	Tb7j	Tb7k	Tb7m	Total
a) Moderate erosion on above 3% slope on moderately deep to deep soil	67	829	1144	1270	3310
b) Severe erosion on 3% slope on deep and deeper soils	-	41	613	550	1204
c) Shallow soils (10-25 cm)	95	63	70	15	243
Total	162	933	1827	1835	4757

7. iv) Villagewise distribution of area (in hectare) under different subwatersheds

Sl.No.	Name of the village	Area falling under different subwatersheds				Total
		Tb7d	Tb7j	Tb7k	Tb7m	
1.	Anagondankoppa	395	-	-	-	395
2.	Halliguli	-	210	-	53	263
3.	Harlapur	-	10	-	2947	2957
4.	Itigi	1053	-	-	-	1053
5.	Kotamuchalgi	-	-	529	1266	1795
6.	Lingapur	310	-	-	-	310
7.	Mandalgiri	9	48	-	-	57
8.	Melekoppe	712	-	-	-	712
9.	Mannapur	469	-	-	-	469
10.	Naregal	-	-	1087	-	1087
11.	Sompur	263	860	-	-	1123
12.	Tadkal	36	-	-	-	36
13.	Thimmapur	-	292	-	202	494
14.	Yerehanchinal	-	135	2534	405	3074
		3247	1555	4150	4873	13825