

Report on detailed Soil Survey and Land Use of TC3a, TC3b, TC3f, TC3g and TC3s Subwatersheds of 'TC' Subcatchment of Tungabhadra in Huvina hadagali and Harapanahalli Taluks of Bellary district, Karnataka State.

ABSTRACT

1. Surveyed area : TC3a, TC3b, TC3f, TC3g and TC3s subwatersheds of Tungabhadra catchment in Huvinahadagali and Harapanahalli Taluks, Bellary District, Karnataka State.
2. Total Area mapped and reported : 10,796 hectares
3. Period of work : April to June 1989  
No. of Villages : 13
4. List of villages Surveyed in Huvinahadagali and Harapanahalli Taluks, Bellary District.

Sl. No.	Name of the villages	Total Area Surveyed in the village (Hect)	Area falling within subwatershed in hectares				
			TC3a	TC3b	TC3f	TC3g	TC3s
1.	Ayyanahalli	16	-	-	-	-	16
2.	Dēvagondanahalli	1647	1007	640	-	-	-
3.	Hagaranuru	1133	-	-	-	90	1043
4.	Halu Thimalapura	557	11	156	67	193	130
5.	Hugluru	262	-	262	-	-	-
6.	Huvinahadagali	543	543	-	-	-	-
7.	Madlagiri	109	-	-	109	-	-
8.	Magala	361	-	-	-	-	361
9.	Manyara Masala-vada	1024	-	-	449	575	-
10.	Nagati Basapur	2310	03	766	1541	-	-
11.	Navali	512	512	-	-	-	-
12.	Shivalinganahalli	1459	-	-	1196	263	-
13.	Sogi	863	-	250	613	-	-
TOTAL		10796	2076	2074	3975	1121	1550

5. Soil Series mapped and area in hectares under each series.

Sl. No.	Name of the Soil Series	TC3a	TC3b	TC3f	TC3g	TC3s	Total area in Hect.	Percentage %
1.	Nagati Basapur	238	75	222	31	21	587	5.43
2.	Dyampur	184	80	105	45	88	502	4.65
3.	Gujanur	171	167	-	62	-	400	3.71
4.	Magalam	74	-	-	-	-	74	0.68
5.	Mainahalli	153	70	209	105	22	559	5.18
6.	Manglapur	-	-	181	-	-	181	1.68
7.	Sogi	-	197	295	-	-	492	4.56
8.	Sompur	40	-	-	04	07	51	0.47
9.	Teligi	438	385	1183	133	267	2406	22.29
10.	Magala	-	25	52	39	104	220	2.05
11.	Varadapur	140	442	677	70	389	1718	15.92
12.	Wadagenahalli	474	479	591	537	614	2695	24.96
	Miscellaneousland	164	154	460	95	38	911	8.42
<b>TOTAL</b>		<b>2076</b>	<b>2074</b>	<b>3975</b>	<b>1121</b>	<b>1550</b>	<b>10796</b>	<b>100.00</b>

6. Different Land Capability Classes under Surveyed area

Sl. No.	Land capability Unit	Area	Percentage	Soil Series under Land capability Unit
1.	II	2981	27.6	Nagati Basapur, Dyampur, Gujanur, Magalam, Manglapur and Teligi
2.	III	4117	38.1	Dyampur, Gujanur, Magalam, Magala, Mainahalli, Teligi and Wadagenahalli
3.	IV	1176	10.9	Dyampur, Mainahalli, Magala, Sompur, Varadapur, and Wadagenahalli
4.	VI	407	3.8	Sompur and Varadapur
5.	Forest	1204	11.2	
6.	Miscellaneous	911	8.4	Gullied or Wasteland R.O.C, habitation, Roads, Tanks, Streams etc.,
<b>TOTAL</b>		<b>10796</b>	<b>100.0</b>	

7. Specific problematic area (in hectares)

Sl. No.	Problems	TC3a	TC3b	TC3f	TC3g	TC3s	Total
1.	Moderate erosion on above 3% slope on moderately deep to very deep soils	75	1079	1907	254	469	3784
2.	Shallowness	180	442	677	74	396	1769
3.	Severe Erosion	169	245	313	30	76	833
4.	Rockiness	-	249	667	-	13	929
	Total	417	1601	2804	356	920	7315

\*An area of 1217 hectares is having more than one problems in the problematic area.