

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Tc4c, Tc4g and Tc4n SUBWATERSHEDS OF TUNGABHADRA CATCHMENT IN HUVINAHADAGALI TALUK OF BELLARY DISTRICT, KARNATAKA STATE.

ABSTRACT

1. Surveyed area : Tc4c, Tc4g and Tc4n subwatersheds of Tungabhadra catchment, Huvinahadagali taluk Bellary district in Karnataka State.
2. Total area mapped and surveyed : 9681 hectares
3. Kind of survey : Detailed soil survey
4. List of villages surveyed in Huvinahadagali taluk, Bellary District.

Sl No. village	Total area (ha.)	Subwatershed area (ha.)			Total surveyed area ( in ha.)
		Tc4c	Tc4g	Tc4n	
1. Anguru	1326	481	-	-	481
2. Birabbi	1752	1408	3	-	1491
3. Budanuru	1663	--	391	-	391
4. By la hunsi	547	-	341	--	341
5. Havsi	782	-	256	--	256
6. Hirebannumatti	857	-	518	-	518
7. Hirehadagali	2245	1568	-	-	1568
8. Holalu	3083	-	-	544	544
9. Kattebennuru	2034	12	1700	--	1712
10. Magala	4175	50	-	-	50
11. Makarbbi	857	-	756	-	756
12. Mylar	1658	-	-	446	446
13. Shyakar	741	-	32	114	146
14. Tumbinakeri	1090	602	-	-	602
15. Virapuram	990	-	459	-	459
<b>Total</b>	<b>23800</b>	<b>4121</b>	<b>4456</b>	<b>1104</b>	<b>9681</b>

6. Soil series mapped and their subwatershedwise area in hectare.

Sl. No. Soil series	Subwatersheds			Total area in hectare	Percentage
	Tc4c	Tc4g	Tc4n		
1. Aralihalli	283	6	-	289	3.0
2. Birabbi	119	-	-	119	1.2
3. Dyampur	343	80	105	528	5.5
4. Gujanur	23	-	-	23	0.2

5. Hosahalli	15	107	-	122	1.3
6. Kattebennuru	696	992	-	1688	17.4
7. Makarbbi	-	34	-	34	0.3
8. Manglapur	-	182	141	323	3.3
9. Mainahalli	457	14	-	471	4.9
10. Peddavanka	-	136	240	376	3.9
11. Sompur	45	-	-	45	0.5
12. Thimmapur	1029	2073	282	3384	35.0
13. Magala	101	39	-	140	1.5
14. Vardapur	110	85	-	195	2.0
15. Wadagenahalli	592	450	-	1042	10.7
16. Miscellaneous	308	258	336	902	9.3
<b>Total</b>	<b>4121</b>	<b>4456</b>	<b>1104</b>	<b>9681</b>	<b>100%</b>

7. Specific problematic area in hectare

Sl. No.	Problems	Tc4c	Tc4g	Tc4n	Soil series affected
1.	Moderate erosion	2517	2472	43	5032
2.	Severe erosion	28	41	57	126
3.	Shallowness	155	119	-	274
4.	Gravelliness	1380	717	-	2097
5.	Stoniness	128	119	-	247
6.	Salinity	43	34	-	77
	<b>Total</b>				<b>7853</b>

\* Average of 2040 hectares have more than one problem.