

Report on detailed soil survey and land use of Tc1k, Tc1n and Tc1p subwatersheds, Tungabhadra catchment, Huvinahadagali and Hagaribommonahalli taluks, Bellary district, Karnataka State.

ABSTRACT

1. Area surveyed : Tc1k, Tc1n and Tc1p subwatersheds, Tungabhadra catchment Huvinahadagali and Hagaribommonahalli taluks, Bellary district, Karnataka.
2. Total area mapped and report : 7920 hectares
3. Period of work : May 1989 to July 1989
4. Kind of survey : Detailed soil survey
5. Soil series mapped and the area in hectares under each soil series

Sl.No.	Soil series name	Tc1k	Tc1n	Tc1p	Total	Percentage
1.	Devlapur	12	25	26	63	0.8
2.	Dyampur	33	47	-	80	1.0
3.	Kallur	291	53	137	481	6.0
4.	Manglapur	239	-	-	239	3.0
5.	Mainahalli	410	1253	573	2236	28.3
6.	Nandihalli	98	182	77	357	4.5
7.	Sompur	-	330	129	459	5.8
8.	Thimmapur	13	1625	1008	2646	33.4
9.	Uttangi	261	15	-	276	3.5
10.	Wadagenahalli	481	246	6	733	9.3
	Miscellaneous	127	188	35	350	4.4
	Total	1965	3964	1991	7920	100.0

6. Area under different land capability classes

Sl.No.	Land Capability class	Area in ha.	%	Soil series
1.	II	3499	44.2	Devlapur, Dyampur Kallur, Manglapur Thimmapur
2.	III	2979	37.6	Devlapur, Mainahalli Wadagenahalli
3.	IV	699	8.8	Nandihalli, Sompur
4.	VI	393	5.0	Nandihalli,
	Miscellaneous	350	4.4	Uttangi
	Total	7920	100.0	

7. Specific problematic areas

1.	Moderate erosion on slopes above 3% on moderately deep to deep soils	- 1814 ha.
2.	Severe erosion on slopes above 1% on moderately deep to deep soils	- 103 ha.
3.	Shallow soils with stoniness	- 163* ha.
4.	Shallow soils	- 816 ha.
	Total	2733 ha.

\* 163 hectares falls twice in the problematic areas, Hence taken only once for total area.