

Report on detailed soil survey and land use of Ta2a, Ta2c, Ta3k, Ta3n, Ta4a and Ta5b subwatersheds of 'Ta' Subcatchment, Tungabhadra catchment in Hospet, Hagaribommanahalli and Huvinhadagali taluks, Bellary district, Karnataka State.

A B S T R A C T

1. Surveyed area : Ta2a, Ta2c, Ta3k, Ta3n, Ta4a and Ta5b subwatersheds of 'Ta' subcatchment TRVP in Hospet, Hagaribommanahalli and Huvinhadagali taluks, Bellary district, Karnataka.
2. Total area mapped and reported: 15,361 hectares.
3. Period of work : April 1988 to March 1989
4. Soil series mapped and area in hectares under each.

Sl. No.	Name of the soil series	Ta2a	Ta2c	Ta3k	Ta3n	Ta4a	Ta5b	Total area in hect	Percentage
1.	Devlapur	611	152	129	55	115	52	1074	7.0
2.	Dyampur	-	-	33	16	-	680	729	4.7
3.	Ittigi	-	-	26	15	-	867	908	5.9
4.	Kannehalli	-	-	-	-	-	269	269	1.7
5.	Manglapur	84	463	454	318	308	205	1832	11.9
6.	Sompur	-	-	5	-	-	549	554	3.6
7.	Teligi	-	-	-	-	-	762	762	5.0
8.	Uppanayakana-halli	157	247	-	-	156	-	560	3.6
9.	Varadapura	63	230	630	613	79	15	1630	10.6
10.	Wadagena-halli	1050	1912	975	1347	406	129	5819	38.0
	Misc. lands	160	242	179	170	75	398	1224	8.0
	Total	2125	3246	2431	2534	1139	3886	15361	100%

ABSTRACT (Contd).

5. Area under different land capability classes

Sl. No.	Land capability class	Area in hectares	Percentage	Soil series
1.	II	3463	22.5	Devlapur, Dyampur Kannehalli, Manglapur, Teligi
2.	III	7930	51.7	Dyampur, Ittigi, Kannehalli, Teligi Wadagenahalli
3.	IV	1453	9.4	Sompur, Varadapur
4.	VI	1291	8.4	Sompur, Varadapur
5.	Miscellaneous lands	1224	8.0	Uppanayakanahalli
Total		15361	100%	

6. Specific problematic areas

1. Shallow soils	- 2184 hectares
2. Moderate erosion on moderately deep to very deep soils on slopes above 3%	- 7330 hectares
3. Severe erosion	- 669 hectares
4. Rockiness and gravelliness	- 916 hectares
Total	- 11099 hectares

Actual extent of problematic area 9657 hectares

* An area of 1442 hectares is having two or more problems, which has been taken only once for the actual extent of problematic area.