

Report on detailed soil survey and land use of Bb1c, Bb1d, Bb1e, Bb2c, Bb2d, Bg1f and Bg1g subwatersheds of Lower Bhavani catchment in Kotagiri and Mettupalayam taluks of Udhagamandalam and Coimbatore districts, Tamilnadu.

i. ABSTRACT

1. Surveved area : Bb1c, Bb1d, Bb1e, Bb2c, Bb2d, Bg1f and Bg1g subwatersheds of Lower Bhavani catchment in Kotagiri and Mettupalayam taluks of Udhagamandalam and Coimbatore districts, Tamilnadu.
2. Total area mapped and reported : 10,191 hectares
3. Period of survey work : November 1988 to March 1989
4. Agro climatic zone no. 10
5. Soil series mapped and area in hectares under each

S1. No.	Soil series name	Bb1c	Bb1d	Bb1e	Bb2c	Bb2d	Bg1f	Bg1g	Total area in hect.	%
1.	Bettawali 'Bt'	492	30	309	477	626	794	1051	3779	37.1
2.	Guheda 'G'	-	-	242	91	350	294	219	1196	11.7
3.	Kodanad 'Kn'	-	-	-	-	162	100	188	450	4.4
4.	Kollikarra 'K'	-	40	-	69	-	-	-	109	1.1
5.	Kotagiri 'Kg'	1826	710	-	-	-	-	-	2536	24.9
6.	Odenu 'O'	-	-	186	181	142	37	-	546	5.4
7.	Sholurmattam 'Sm'	114	30	390	-	-	-	-	534	5.2
8.	Misc.	52	23	39	55	142	329	401	1041	10.2
Total		2484	833	1166	873	1422	1554	1859	10191	100.0

6. Area under different land capability classes:

S1. No.	Land capability unit	Area in hectares	%	Soil series
1.	II	1175	11.6	Odenu, Kodanad, Kollikarra, Bettawali, Sholurmattam
2.	III	2735	26.8	Odenu, Kodanad, Bettawali, Guheda, Kotagiri
3.	IV	2529	24.8	Kollikarra, Guheda, Kotagiri
4.	Forest	2714	26.6	Bettawali, Guheda, Kodanad, Kollikarra, Kotagiri, Odenu, Sholurmattam.
5.	Misc.	1041	10.2	
Total		10191	100.0	

7. Specific problematic areas:-

Moderate erosion on slopes above 33% on moderately deep to very deep soils

2550 hect.