

Detailed soil survey of Bg3b and Bg3d subwatersheds under Lower Bhavani catchment, Kotagiri & Ooty taluks, Nilgiri dist. Tamilnadu. Combined Abstract for Bg3b and Bg3d subwatersheds

1. Survey area : Bg3b and Bg3d subwatersheds under Lower Bhavani catchment, Kotagiri and Ooty taluks, Nilgiri district, Tamilnadu.
2. Total area mapped and reported: 3130 hectares
3. Period of work : May to August 1982
4. Type of survey : Detailed
5. Soil series mapped and area under each : (in hectares)

Sl. No.	Soil series name	Area in hectares				Total area	Total area percentage
		Bg3b	%	Bg3d	%		
1.	Eleda	899	54.1	643	43.8	1542	49.3
2.	Guheda	401	24.1	513	34.9	914	29.2
3.	Milithenu	138	8.3	86	5.9	224	7.1
4.	Odenu	154	9.3	188	12.8	342	10.9
5.	Sulikodu	24	1.4	-	-	24	0.8
6.	Miscellaneous	46	2.8	38	2.6	84	2.7
Total		1662	100	1468	100	3130	100

6. Area under different land capability classes

Sl. No.	Land capability unit	Area in hectares				Total	%	Soil series
		Bg3b	%	Bg3d	%			
1.	II	1651	5	344		509		Eleda
		122		161		283		Odenu
		287	(17.3)	505	(34.4)	792	25.3	
2.	III	734		278		1012		Eleda
		150		202		352		Guheda
		138		86		224		Milithenu
		24		-		24		Sulikodu
		52		27		59		Odenu
		1078	(64.9)	593	(40.4)	1671	53.4	
3.	IV	-		21		21		Eleda
		-		64		64		Guheda
				85	(5.8)	85	2.7	
4.	VI	251	(15.0)	247	(16.8)	498	15.9	Guheda
	Miscellaneous	46	(2.8)	38	(2.6)	84	2.7	
Total		1662		1468		3130	100	

7. Depthwise distribution of the soils of the area

Sl. No.	Description	Bg3b		Bg3d		Total
		Area	%	Area	%	
1.	Very deep soils more than 100 cm.	154	(9.3)	188	(12.8)	342 (10.9)
2.	Deep soils between 50.1 - 100 cm.	899	(54.0)	643	(43.8)	1542 (49.3)
3.	Moderately deep soils between 25.1-50 cm.	565	(33.9)	599	(40.8)	1162 (37.0)
	Miscellaneous	46	(2.8)	38	(2.6)	84 (2.7)
Total		1662		1468		3130

8. Specific problematic areas

Sl. No.	Description	Bg3b	Bg3d	Total
1.	Moderate erosion on above 3% Slope from moderately deep and deeper soils	1040	869	1909