

REPORT ON DETAILED SOIL SURVEY AND LAND USE
OF PRIORITY SUBWATERSHEDS NO. Tj2c AND Tj2d
OF TISTA R.V.P. CATCHMENT, P.S. KALIMPONG
DIST. DARJEELING, WEST BENGAL

A B S T R A C T

1. Survey area: Tj2c and Tj2d, Tista R.V.P. Catchment,
P.S. Kalimpong, Dist. Darjeeling,
West Bengal.
2. (a) Total area surveyed and reported: 7,915 ha.
- (b) Period of survey: January '85 to June '85.
- (c) Type of survey: Detailed soil survey of medium intensity.
3. Soil series mapped and area covered under each (Subwatershed wise).

Sl No.	Series	Sub-watersheds				Total area in ha.	%
		Tj2c		Tj2d			
		Area in ha.	%	Area in ha.	%		
1.	Assam (A)	237	(5.8)	-	-	237	(3.0)
2.	Gompa (G)	40	(1.0)	233	(6.0)	273	(3.4)
3.	Lagyap (L)	-	-	377	(9.7)	377	(4.8)
4.	Lingze (LN)	1215	(29.8)	861	(22.5)	2076	(26.2)
5.	Namge Changa (N)	401	(9.8)	302	(7.8)	703	(8.9)
6.	Naitam (NT)	1332	(32.6)	702	(18.7)	2034	(25.7)
7.	Pokyong (P)	216	(5.2)	591	(15.4)	807	(10.3)
Total:		3441	(84.2)	3066	(80.1)	6507	(82.3)
8.	Others						
	i) River	326	(8.0)	210	(5.4)	536	(6.7)
	ii) Rocky land	235	(5.8)	490	(12.8)	725	(9.1)
	iii) Road	33	(0.8)	-	-	33	(0.4)
	iv) Land slide	49	(1.2)	65	(1.7)	114	(1.5)
Total:		643	(15.8)	765	(19.9)	1408	(17.7)
Grand total:		4084	(100%)	3831	(100%)	7915	(100%)

4. Land Capability Classes with area under each.

Land capability	Area in ha.	%
III	138	1.7
IV	3255	41.2
VI	1080	13.6
VII	2034	25.8
Total:	6507	82.3

5. Specific Problems:Nature of Problems

Sl No.	Subwatersheds	Total area in ha.	Moderate erosion in ha. and %	Severe erosion in ha. and %	Land slide and R.L in ha. and %	Name of the soil series
1.	Tj2c	4084	1123 (27.6)	1087 (26.6)	284 (6.9)	Assam, Lagyap, Pokyong, Naitam, Gompa, Nangechanga
2.	Tj2d	3831	1238 (32.3)	882 (23.1)	555 (14.5)	Assam, Gompa, Lagyap, Nangechanga Naitam, Pokyong