

REPORT ON DETAILED SOIL SURVEY AND LANDUSE OF Tc2f
Tf2d SUBWATERSHEDS OF TISTA R.V.P. CATCHMENT, DISTRICT-
DARJEELING - WEST BENGAL STATE

ABSTRACT

1. Survey area: Priority subwatersheds:
Tc2f and Tf2d of Tista R.V.P. Catchment
Distt: Darjeeling, West Bengal.
2. Location: Tc2f: Situated in between $26^{\circ}55'$ to $27^{\circ}11'$ N. lati
and $88^{\circ}17.5'$ to $88^{\circ}26'$ E. longitudes.
Tf2d: Situated in between $26^{\circ}54'$ and $26^{\circ}58'$ N latitudes
and $88^{\circ}34'$ to $88^{\circ}30'$ E longitudes.
3. Total area reported: 6396 ha.
4. Period of survey: February to March, 1986
5. Type of survey: Detailed
6. Soil series mapped and their distribution

Sl. No.	Soil series name	No. of mapping units	Subwatershedwise area (ha)		Total
			Tc2f	Tf2d	
1.	Badamtan(B)	4	321 (7.8)	789 (34.3)	1110 (17.4)
2.	Birik (BR)	2	64 (1.6)	25 (1.1)	89 (1.4)
3.	Durbin(DB)	3	1595 (39.0)	535 (23.2)	2130 (33.3)
4.	Jit (J)	6	581 (14.2)	460 (20.0)	1041 (16.3)
5.	Paparkheti (P)	5	1181 (28.8)	277 (12.0)	458 (22.8)
6.	Reang (RE)	2	74 (1.8)	18 (0.8)	92 (1.4)
Total of mapping unit		22	3816(73.2)	2104(91.4)	5920(92.6)
Miscellaneous areas			278(6.8)	198(8.6)	476(7.4)
Grand total:			4094 (100)	2302 (100)	6396 (100)

(ii)

7. Land capability class (Subwatershedwise area distribution)

Sl. No.	Land capability class	Area in Subwatershed area ha.		Soil series covered	
		Tc2f %	Tf2d %		
1.	IV	1769 (27.7)	1383 (33.8)	386 (16.8)	Badamtam (B), Birik (BR) and Paparkheti (P)
2.	VI	1218 (19.1)	381 (9.3)	837 (36.4)	Badamtam (B), Jit (J) and Reang (RR)
3.	VII	2933 (45.8)	2052 (50.1)	881 (38.2)	Durbin (DB), Jit (J) and Reang (RR)
Total:		5920 (92.6)	3816 (93.2)	2104 (91.4)	-
	Misc. area	476 (7.4)	278 (6.8)	198 (8.6)	Land slides, rockout crops water bodies, roads, sandbars and habitation etc.
Grand total		6,396 (100)	4094 (100)	2302 (100)	

(iii)

8. Specific features: (Subwatershedwise area distribution)

Sl. No.	Name of features	Total area ha. (%)	Subwatersheds	
			Tof (%)	Tfd (%)
1	Slight erosion	1092 (17.1)	885 (13.8)	207 (3.3)
2.	Moderate erosion	1292 (20.2)	671 (10.5)	621 (9.7)
3.	Severe erosion	3536 (55.3)	2260 (35.3)	1276 (20.0)
4.	Land slides and slips	26 (0.4)	18 (0.3)	8 (0.1)
5.	Rock out erop	6 (0.1)	4 (0.06)	2 (0.04)
Total:		5952 (93.1)	3838 (60.0)	2114 (33.1)
Miscellaneous		444 (6.9)	256 (4)	188 (2.9)