

Report on Detailed Soil Survey and Land Use of Ta3a, Ta6a, Ta7b, Ta7c and Tb3b Subwatersheds of Tista Catchment (RVP), Districts East, West and North Sikkim, State Sikkim

Abstract

- 1. Survey Area** : Ta3a, Ta6a, Ta7b, Ta7c and Tb3b subwatersheds of Tista Catchment, East, West and North Sikkim.
- 2. Type of Survey** : Detailed Soil Survey.
- 3. Total Area Mapped** : 11,393 ha.
- 4. Agro Climatic Zone** : Eastern Himalayan region (Zone no-II) as per planning Commission.
- 5. Period of Survey** : Nov. 1997- March 1998

6. Soil Series Mapped and their Extent (ha)

Sl. No.	Name of the Soil Series	No. of Mapping Units	Subwatersheds					Total Area (ha)
			Ta3a	Ta6a	Ta7b	Ta7c	Tb3b	
1.	Assam (A)	4	101 (4.8)	50 (2.1)	162 (5.4)	128 (5.7)	171 (10.3)	612 (5.4)
2.	Bhusuk (B)	2	80 (3.8)	-	89 (3.0)	98 (4.4)	-	267 (2.3)
3.	Pachekhani (PK)	5	150 (7.1)	176 (7.4)	758 (25.3)	390 (17.4)	-	1474 (12.7)
4.	Naitam (NT)	3	454 (21.4)	461 (19.5)	925 (30.8)	605 (26.9)	564 (34.0)	3009 (26.4)
5.	Namgechanga (N)	5	663 (31.8)	204 (8.6)	467 (15.6)	412 (18.4)	278 (16.8)	2024 (17.8)
6.	Lamthang (LT)	6	457 (21.5)	1414 (59.7)	501 (16.7)	555 (24.7)	527 (31.7)	3454 (30.3)
7.	Ramite (RT)	1	-	31 (1.3)	-	-	-	31 (0.3)
8.	Sarmosa (SM)	3	77 (3.6)	-	18 (0.6)	26 (1.1)	24 (1.4)	145 (1.3)
9.	Misc.	-	138 (6.5)	34 (1.4)	78 (2.6)	31 (1.4)	9.6 (5.8)	377 (3.3)
Total		29	2120	2370	2998	2245	1660	11,393

7. Area under Different Land Capability Class

Sl. No.	Land Capability Class	Area (ha)	Percentage	Soil Series
1.	II	145	1.3	Sarmosa
2.	IV	5113	44.9	Assam, Bhusuk, Pachekhani, Lamthang, Namgechanga
3.	VI	26	0.2	Pachekhani
4.	VII	5732	50.3	Assam, Lamthang, Bhusuk, Naitam, Namgechanga, Ramite
5.	Misc.	377	3.3	-
Total		11393	100.00	