

REPORT ON DETAILED SOIL SURVEY AND LAND USE OF
PART OF Pd2b, Pc1d, Pc1e & Pc1f SUBWATERSHEDS
OF PAGLADIYA R.V.P. CATCHMENT, P.S. TAMULPUR,
DIST. NALBARI, ASSAM

A B S T R A C T

1. **Surveyed area:** Part of Pd2b, Pc1d, Pc1e and Pc1f subwatersheds of pagladiya R.V.P. Catchment, P.S. Tamulpur, Dist. Nalbari, Assam State.
2. (a) **Total area surveyed:** 4030 ha.
(b) **Period of survey:** December '87 and January '88
(c) **Type of survey:** Detailed soil survey of medium intensity.
3. **Soil series mapped and area covered by each in ha.**

Sl. No.	Name of soil series	Area in ha	%	No. of mapping units
1.	Barbela (BB)	70	1.7	2
2.	Barkajuli (B)	697	17.3	5
3.	Goalbil (G)	204	5.1	3
4.	Harotola (HR)	241	6.0	4
5.	Kotaibari (K)	353	8.8	5
6.	Paharpur (PP)	380	9.4	4
7.	Salmara (S)	162	4.0	3
8.	Sashipur (SP)	497	12.3	3
9.	Misc.	1426	35.4	-
Total:-		4030	100%	29

4. SERIES-WISE DISTRIBUTION OF THE AREA UNDER VARIOUS LAND CAPABILITY CLASSES.

Sl No.	Land capability units	Area in ha.	%	Soil series covered
1.	II	1866	46.3	Barkajuli, Kotaibari, Paharpur, Salmara, Bar bela & Goalbil
2.	III	642	15.9	Harotola & Sashipur
3.	IV	96	2.4	Harotola
Total:-		2684	-	
Misc. area		1426	35.4	
Grand total:-		4030	100%	

5. Specific problem:

Sl No.	Problem	Area in ha.	%	Soil series covered
1.	Area under moderate erosion	557	(13.8%)	Barkajuli, Harotola, Kotaibari & Sashipur
2.	Area under severe erosion covered	96	(2.4%)	Harotola
3.	Surface flooding	274	(6.8%)	Barbela & Goalbil
4.	Area suitable for cultivation	2588		

i) The main problems in the survey area ^{are} severe erosion and flooding in the part of the area.

ii) Area of 1426 (35.4%) is covered by miscellaneous land.