

REPORT ON DETAILED SOIL SURVEY AND LAND
USE Ab3h AND Ab3k PRIORITY SUBWATERSHEDS
OF AJOY FLOOD PRONE CATCHMENT, P.S. DOLPUR
AND ILLAMBAZAR, DIST. BIRBHUM, WEST BENGAL

ABSTRACT

1. Surveyed area: Ab3h, Ab3k Subwatersheds of
Ajoy Flood Prone Catchment
under P.S. Dolpur and Illambazar,
Dist. Birbhum, West Bengal.
2. (a) Total area reported and mapped: 10,061 ha.
(b) Period of survey: April '06 to July '06.
(c) Type of survey: Detailed.
3. Soil series mapped and area covered.

Sl No.	Name of soil series.	No. of mapping units.	Area in ha.	%	Subwatersheds-wise distribution area in ha. %			
					Ab3h	(%)	Ab3k	(%)
1	2	3	4	5	6	7	8	9
1.	Ajoy	4	544	5.4	171	3.1	373	0.2
2.	Chakai	5	1712	17.0	1514	27.3	198	4.4
3.	Illambazar	2	1639	16.3	202	3.7	1437	31.7
4.	Kochdih	5	3203	31.9	2010	36.3	1193	26.3
5.	Kanduli	3	806	8.0	340	6.1	466	10.3
6.	Mehagram	4	767	7.6	309	5.6	458	10.1
7.	Others i.e H.S. Tank, River, Orchard, Brick field, Gravoyard.		1390	13.8	984	17.9	406	9.0
Total:-		23	10,061	100	5530	100	4531	100

4. SUBWATERSHED-WISE AREA OF LAND CAPABILITY UNITS WITH THEIR PERCENTAGE IN THE SUBWATERSHEDS.

Sl. No.	Land capability class.	Total area in ha.	%	Ab3h	%	Ab3k	%
1	2	3	4	5	6	7	8
1.	II	8351	83.0	4546	82.2	3805	84.0
2.	VI	320	3.2	-	-	320	7.1
3.	Others	1390	13.8	984	17.8	406	8.9
Total:-		10,061	100%	5530	100%	4531	100%

5. SPECIFIC PROBLEMS OF EACH SUBWATERSHED OF THE AREA IN HA. AND PERCENTAGE.

Sl. No.	Type of problem.	Soil of the area.	Ab3h %	Ab3k %	Total %
1	2	3	4	5	6
1.	Seasonal water logging	Kenduli Mehagram	340 (6.1)	466 (10.3)	806 (8.0)
2.	Moderate erosion	Ajoy Illambazar	202 (3.7)	1190 (26.3)	1392 (13.8)
3.	Very severe	Illambazar	Nil	320 (7.1)	320 (3.2)