

ABSTRACT

1. Surveyed area : Aa3h, Aa4a, Ac2a(Part) and Ad1d Subwatersheds of Ajoy R.V.P. Catchments Distt. Burdwan and Birbhum - West Bengal.
2. Total area mapped : 12,477 ha.
3. Period of Survey : November 1981 to January 1982.
4. Kind of Survey : Detailed Survey.
5. Soil Series mapped and area covered by each series :-

Sl. No.	Name of the Soil Series.	Subwatershed wise distribution Area in ha. %				
		Area (%)	Aa3h(%)	Aa4a(%)	Ac2a(%)	Ad1d(%)
1.	Amra (AR)	11(0.1)	-	-	11(0.2)	-
2.	Birudiha (BD)	1316(10.5)	783(21.0)	533(16.0)	-	-
3.	Bistupur (BS)	1375(11.0)	860(24.2)	507(15.2)	-	-
4.	Dumka (D)	432(3.5)	-	-	432(9.0)	-
5.	Gopalpur (G)	453(3.6)	-	330(9.9)	-	123(16.4)
6.	Karaya (K)	120(1.0)	-	-	120(2.4)	-
7.	Kenduli (KN)	130(1.0)	-	120(3.6)	10(0.2)	-
8.	Kuldiha (KL)	1438(11.5)	912(25.4)	242(7.3)	-	204(37.0)
9.	Lachimpur (L)	1412(11.3)	615(17.1)	369(11.1)	428(9.0)	-
10.	Pratappur (PP)	418(3.4)	167(4.0)	-	-	251(33.4)
11.	Pusaro (P)	83(0.7)	-	-	-	83(11.0)
12.	Misc. including (Tow ship) Settlement, Tunk, River etc.	5209(42.4)	240(6.7)	1227(36.9)	3811(79.2)	11(1.5)
Grand Total :-		12,477 (100)	3505 (100)	3328(100)	4812(100)	752(100)

6. Area Under different Erosion Classes :-

Sl. No.	Combined area Erosion class	Area in ha.(%)	Aa3h area %	Aa4a area %	Ac2a area %	Ad1d area %
1.	Slight erosion	3142(25.2)	1315(36.7)	758(23.7)	441(9.2)	628(83.5)
2.	Moderate erosion	2245(18.0)	1415(39.5)	688(20.7)	29(0.6)	113(15.0)
3.	Severe erosion	500(4.0)	-	-	500(10.4)	-
4.	Very severe erosion	1301(10.4)	615(17.1)	655(19.7)	31(0.6)	-
5.	Misc. including Tow ship, Settlement, Tunk, River Etc.	5209(42.4)	240(6.7)	1227(36.9)	3811(79.2)	11(1.5)
Total		12,477	3505	3328	4812	752
%		(100.0)	(100.0)	(100.0)	(100.0)	(100.0)

Area under different Capability Classes :-

Capability Units	Total area %	Aa3h area %	Aa4a area %	Ac2a area %	Ad1d area %
II-1	1143(9.2)	403(11.2)	396(11.9)	-	344(45.4)
IIa-1	2184(17.4)	1415(39.5)	656(14.7)	-	113(15.0)
IIw-1	1600(13.5)	915(25.4)	362(10.9)	130(2.2)	284(37.8)
IIIa-1	90(0.7)	-	-	90(1.4)	-
IIIes-1	61(0.5)	-	32(1.0)	29(0.6)	-
IVa-1	318(2.5)	-	318(9.5)	-	-
IVs-1	221(1.8)	-	-	221(4.6)	-
VIes-1	1261(10.2)	615(17.2)	337(10.1)	309(6.4)	-
VIes-2	211(1.7)	-	-	211(4.4)	-
VIIes-1	11(0.1)	-	-	11(0.2)	-
Misc. %	5289 (42.4)	240 (6.7)	1227 (36.9)	3811 (79.2)	11 (1.5)
Total :- %	12,477 (100)	3585 (100)	3328 (100)	4812 (100)	752 (100)

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