

REPORT ON PRIORITIZATION OF SUB-WATERSHEDS
IN THE CATCHMENT OF KANGSABATI RIVER VALLEY PROJECT
DIST-BANKURA, MIDNAPUR AND PURULIA, WEST BENGAL
AND DIST. SINGHBHUM, OF BIHAR.

A B S T R A C T

1. Survey area:- Kangsabati Catchment.
Dist. Bankura, Midnapur & Purulia (W.B) and Singhbhum (Bihar)
2. Total area:- 421,033 hectore (West Bengal-385250 ha,
Bihar-35782 ha,)
- 3a. Type of Survey:- Rapid Reconnaissance Survey
- 3b. Period of survey:- 1988 to 1989 (Field season)
4. Base material used:- i. Aerial photographs of Scale 1:15,000
ii. Survey of India toposhets in the
scale of 1:50,000
5. Agroclimatic zone:- III Lower Gangetic plain and VII Eastern
Plateau and Hills.
6. Location : - 23 12' to 23 20' N. Latitudes
85 57' to 86 28' E Longitudes.

7. EXTENT OF AREAS UNDER DIFFERENT EROSION
INTENSITY UNITS
WEST BENGAL & BIHAR (STATE WISE)

Sl No	Name of mapping unit	WEST BENGAL		BIHAR SINGHBHUM	
		Area in ha	(%)	Area in ha	(%)
1.	C1	35,730	9.27	3,675	10.27
2.	C2	11,265	2.93	1,366	3.82
3.	B1	13,465	3.50	2,629	24.11
4.	B2	7,912	2.05	1,423	3.98
5.	B3	46,010	11.94	6,117	17.10
6.	B4	1,43,853	37.34	11,279	31.52
7.	B5	42,610	11.06	2,326	6.50
8.	A1	1,228	0.32	30	0.08
9.	A2	76,350	19.82	644	1.80
10.	Misc	6,827	1.77	293	0.82
		3,95,250	100	35,782	100

EXTENT OF AREAS UNDER DIFERENT EROSSION
INTENSITY UNITS
DIST. WISE

PURULIA

7.1

Sl No	Name of the mapping unit	Area in ha
1.	C1	29289
2.	C2	10814
3.	B1	12897
4.	B2	7312
5.	B3	38217
6.	B4	137014
7.	B5	40506
8.	A1	1228
9.	A2	73265
10	Misc	6548
		357092

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MIDNAPUR

Sl No:	Name of the mapping unit:	Area in ha.:
1.	C1	2470
2.	C2	122
3.	G2	475
4.	G3	2273
5.	G4	1179
6.	G5	112
7.	A2	26
8.	Misc	10
		6667

BANKURA

1.	C1	3971
2.	C2	327
3.	G1	568
4.	G2	125
5.	G3	5520
6.	G4	5660
7.	G5	1992
8.	A2	3059
9.	Misc	269
		21,491

OVERALL

Sl No:	Name of the mapping unit:	Area in ha.:	(%) :
1.	C1	39405	9.35
2.	C2	12631	3.00
3.	G1	22094	5.25
4.	G2	9335	2.22
5.	G3	52127	12.38
6.	G4	155132	36.85
7.	G5	44936	10.67
8.	A1	1258	0.30
9.	A2	76994	18.29
10.	Misc	7120	1.69
		421032	100

9. Priority categorisation of Sub-Watersheds.WEST BENGAL.

Sl. No.	Priority Category	Sediment Yield: index range	No of Sub Watersheds	Area in ha,	(%)
1.	Very high	1200 and above	30	95924	24.90
2.	High	1199-1100	36	106124	27.55
3.	Medium	1099-1000	31	79842	20.72
4.	Low	999-900	31	81302	21.10
5.	Very low	below 900	9	22058	5.73
			137	3,85,250	100
<u>BIHAR</u>					
1.	Very low	1200 and above	3	5222	14.60
2.	High	1199-1100	2	2072	5.79
3.	Medium	1099-1000	5	14034	39.22
4.	Low	999-900	4	5680	15.87
5.	Very low.	below 900	5	8774	24.52
			19	35,782	100
<u>OVERALL</u>					
1.	Very high	1200 and above	33	101146	24.02
2.	High	1199-1100	38	108196	25.70
3.	Medium	1099-1000	36	93876	22.30
4.	Low	999-900	35	86982	20.66
5.	Very low.	below 900	14	30832	7.32
			156	4,21,032	100