ABSTRACT

1. Survey area :- Subwatershed no. KK2-3, KKc-1 and K-8 of Kangasabati catchment, P.S. Bara bazar, Man bazar, Puncha, Purulia and Arsa, Dist: Purulia (W.B.)

2. (A) Total area reported and mapped : 23987 ha.

   (B) Period of survey : i. 3rd May, 1976 to 26th June 1976
   ii. 17th December 1976 to 15th March 1977
   iii. 13th April 1977 to 30th June 1977

3. Soil series mapped and area covered by each in ha. (Sub-watershed-wise)

SL. NO.	Name of soil series	Subwatershed No. KK2-3 Area in ha.	%	Subwatershed No. KKc-1 Area in ha.	%	Subwatershed No. K-8 Area in ha.	%
1.	Bhelaidih	220	2.6	75	0.8	-	-
2.	Chakra	1537	18.0	1830	18.4	1544	28.0
3.	Hensla	865	10.2	803	8.2	723	13.1
4.	Kadanpur	69	0.8	64	0.6	67	1.2
5.	Kanchanpur	2036	23.9	1984	19.9	1212	21.9
6.	Kultanr	80	0.9	-	-	54	1.0
7.	Palpal	1102	13.0	946	9.5	377	6.8
8.	Pargola	44	0.5	-	-	-	-
9.	Rajdih	1632	19.1	3543	35.7	848	15.3
10.	Salaidahar	88	1.0	-	-	196	3.5
11.	Sirkabad	22	0.3	-	-	-	-
12.	Teyasi	43	0.5	-	-	61	1.1
13.	Other like orad, settlement, Nala, tank & rockout crops etc.	786	9.2	688	6.9	448	8.1
	Total	18524	100	9933	100	5530	100

4. Land capability classification

S.N.	Subwatershed no. KK2-3				Subwatershed no. KKc-1			Subwatershed no. K-8		
	Land capability unit	Area (ha)	(%)	Soil series	Area (ha)	(%)	Soil series	Area (ha.)	(%)	Soil series
1.	II-1	2160	25.3	1.Kanchanpur 2.Kultanr 3.Pargela	1984	20	Kanchanpur	1266	22.9	Kanchanpur Kultanr
2.	IIw-1	1537	18.0	1.Chakra	1830	18.4	Chakra	1544	28.0	Chakra
3.	IIIe-1	218	2.6	1.Bhelaidih 2.Kadampur 3.Sirkabad	101	1.0	Bhelaidih Kadampur	67	1.2	Kadampur
4.	IIIs-1	1102	13.0	1.Palpal	946	9.5	Palpal	377	6.8	Palpal
5.	IIIes-1	563	6.6	1.Hensla	224	2.3	Hensla	504	9.0	Hensla
6.	IVe-1	152	1.8	1.Bhelaidih 2.Salaidahar 3.Teysai 4.Sirkabad	38	0.4	Bhelaidih	193	3.5	Salaidahar Teysai
7.	IVes-1	302	3.5	1.Hensla	579	5.8	Hensla	219	4.0	Hensla
8.	VIe-1	72	0.8	1.Salaidahar 2.Sirkabad 3.Teyasi	-	-	-	64	1.2	Salaidahar Teyasi
9.	VIs-1	174	2.0	1.Rajdih	-	-	-	-	-	-
10.	VIes-1	1365	16.1	1.Rajdih	2832	28.5	Rajdih	831	15.0	Rajdih
11.	VIes-2	93	1.1	1.Rajdih	711	7.2	Rajdih	17	0.3	Rajdih
12.	Others	786	9.2	Road, settlement, tank and rockout crops etc.	688	6.9	Road, settlement, tank, nala and rock out crops	448	8.1	Road, settlement tank, nala & rockout crops.
	Total:-	8524	100		9933	100		5530	100	

5. Specific problems

S.N.	Nature of problems	Subwatershed no. KK2-3 Area in ha.	%	Soil series	Subwatershed no. KKc-1 Area in ha.	%	Soil series	Subwatershed no. K-6 Area in ha.	%	Soil series
a.	Area affected by moderate erosion	955	11.2	Bhela-325 idih 2.Hensla 3.Kadampur 4.Rajdih 5.Sirkabad	3.3	Bhelaidih Hensla Kadampur		571	10.3	Hensla Kadampur
b.	Area affected by severe erosion	1919	21.3	Bhe-4076 laidih 2.Hensla 3.Rajdih 4.Salaidahar 5.Sirkabad 6.Teyasi	41.0	Bhelaidih Hensla Rajdih		1169	21.2	Hensla Rajdih Salaidahar Teyasi
c.	Area affected by very severe erosion with gullies	165	2.0	Rajdih 84 2.Salaidahar 3.Sirkabad 4.Teyasi	0.8	Rajdih		155	2.8	Rajdih Teysasi
d.	Area affected by seasonal water logging and over flowing	1537	18.0	Chakra	1830	18.4	Chakra	1544	28.0	Chakra