REPORT ON DETAILED SOIL SURVEY AND LAND USE OF Rc4c, Rc5n, Rf1c, Rk4g, Rn4d, Rn5b AND Rn6b PRIORITY SUB-WATERSHEDS OF RUPNARAYAN F.P.R CATCHMENT, P.S. SALBONI, KESPUR, SIMLAPAL, RAIPUR, PATRASAYER, SONAMUKHI, KASHIPUR AND CHHATNA DISTRICT MIDNAPUR AND BANKURA, WEST BENGAL

A B S T R A C T

1. Survey area: Subwatersheds No. Rc4c, Rc5n, Rf1c, Rk4g, Rn4d, Rn5b and Rn6b of Rupnarayan F.P.R Catchment, P.S. Salboni, Kespur, Simlapal, Raipur, Patrasayer, Sonamukhi, Kashipur and Chhatna, District: Midnapur and Bankura, West Bengal.

2. Total area mapped: 16,744 ha.

   a) Type of survey: Detailed soil survey.

   b) Period of survey: December,1988 to June, 1989.

3. Subwatershed-wise area (in ha.) mapped under different soil series.

Sl No.	Soil series	Subwatersheds in ha.							Total area	%
		Rc4c	Rc5n	Rf1c	Rk4g	Rn4d	Rn5b	Rn6b		
1	2	3	4	5	6	7	8	9	10	11
1.	Argora	106	180	60	219	154	674	482	1875	11.2
2.	Bishnupur	262	395	560	446	236	315	206	2420	14.5
3.	Chunpara	-	8	22	-	46	50	44	170	1.0
4.	Ghoradanga	92	40	-	18	-	-	8	158	0.9
5.	Illambazar	86	309	755	408	-	-	-	1558	9.3
6.	Jamuasol	116	183	323	314	220	211	496	1836	11.0
7.	Madnahari	759	389	444	1071	108	22	60	2853	17.0
8.	Mehagram	362	205	394	1027	60	78	160	2286	13.6
9.	Radhadamodar-pur	88	81	88	360	270	488	476	1851	11.1
10.	Misc.	223	131	277	330	156	249	371	1737	10.4
Total:		2094	1921	2923	4193	1250	2087	2276	16,744	100

4. Land capability class area in ha. and percentage.

Sl No.	Land capability class	Subwatersheds							Total	%
		Rc4c	Rc5n	Rf1c	Rk4g	Rn4d	Rn5b	Rn6b		
1.	II	1523	1481	2380	3252	654	626	895	10811	64.6
		9.1	8.8	14.2	19.4	3.9	3.8	5.4		
2.	III	137	111	88	370	270	488	476	1940	11.6
		0.8	0.7	0.5	2.2	1.6	3.0	2.8		
3.	IV	105	172	178	162	122	544	402	1685	10.0
		0.6	1.1	1.0	1.0	0.7	3.2	2.4		
4.	VI	106	26	-	79	48	180	132	511	3.4
		0.6	0.1		0.5	0.3	1.1	0.8		
Total:		1871	1790	2646	3863	1094	1838	1905	15007	89.6
		11.1	10.7	15.7	23.1	6.5	11.1	11.4		
5.	Misc.	223	131	277	330	156	249	371	1737	10.4
		1.3	0.8	1.7	2.0	0.9	1.5	2.2		
Grand total:		2094	1921	2923	4193	1250	2087	2276	16,744	100