

ABSTRACT

1. Survey area :- Priority Subwatersheds No. Pf4c, Pf4f, Pf4g, Pf4j, Pf4k, Pf4m, Pf4P, Pf4q and Pf3d of Punpun Catchment (F.P.R.), P.S. Chhatarpur, Hariharganj of Palamau district and Dumariya of Gaya district, Bihar .
2. (a) Total area Surveyed :- 26961 hectares in 214 villages .
 (b) Period of Survey : December '88 to June 89 .
 (c) Type of Survey : Detailed .
3. Soil series and their distributional extent (ha) in whole of the surveyed area .

S.No.	Soil Series	Symbol	No. of mapping unit	Area in (ha)	Percentage %
1	2	3	4	5	6
1	Amra	AR	2	8426	31.3
2	Baralota	BL	3	576	2.1
3	Bathantoli	BT	3	680	2.5
4	Bhikri	BH	4	372	1.4
5	Dumka	D	4	3475	12.9
6	Hathiapathar	H	4	2406	8.9
7	Jaigir	JR	5	823	3.0
8	Kauriya	KY	5	801	3.0
9	Lachmipur	L	5	2304	8.6
10	Maran	MR	4	4510	16.7
11	Nidani	NN	3	961	3.6
12	Sarua	S	2	527	2.0
	Total		44	25861	96.0
3	River, Nala, Pond, Habi., Road, Rock out crop etc.		44	1100	4.0
	Grand Total		44	26961	100.0

5. LAND CAPABILITY CLASSIFICATION, SUBWATERSHED WISE AREA IN HECTARE UNDER, Pf4c, Pf4f, Pf4g, Pf4j, Pf4k, Pf4m, Pf4p, Pf4q and Pf3d of PUNPUN (F.P.R.) Catchment .

SNo.	Land cap. class	No. of Subwatersheds										Total	%
		Pf4c	Pf4f	Pf4g	Pf4j	Pf4k	Pf4m	Pf4p	Pf4q	Pf3d			
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	II	871	404	629	963	1201	995	241	677	1597	7578	28.1	
2	III	342	509	268	999	339	296	414	850	1091	5108	19.0	
3	IV	273	74	8	110	299	117	76	137	180	1274	4.7	
4	VI	114	158	352	602	522	29	39	733	574	3475	12.9	
5	VII	296	1277	657	1217	306	31	1478	1379	1785	8426	31.3	
	Total	1896	2422	1914	3891	2667	1468	2600	3776	5227	25861	96.0	
	Misc.	182	24	177	89	183	55	25	76	289	1100	4.0	
	G.Total	2078	2446	2091	3980	2850	1523	2625	3852	5516	26961	100.0	

6. Specific Problems

SNo.	Name of Problems	Total area ha	%
1	Moderately eroded area	6878	25.5
2	Severely eroded area	13175	48.9
3	Slightly stoney & slightly rocky area	4031	15.0
4	Severely stoney and Severely rocky area	8831	32.8
5	Shallow Soils	11961	44.2
6	Moderately deep soils	2304	8.6