

ABSTRACT OF THE REPORT

1. Survey area : Priority sub-watershed No. 4/1, 4/2 and 4/3 of D.V.C. catchment. District-Hazaribagh.

2. (a) Total area reported and mapped (ha):-

1.	Sub-watershed No. 4/1	6,196
2.	-do- No. 4/2	5,507
3.	-do- No. 4/3	11,825
			<u>23,528</u>

(b) Period of survey-December 1976 to June 1977.

3. Soil series mapped and covered by each sub-watershed wise in ha.

S.No.	Name of the series.	Name of the sub-watersheds with area & %						Series-wise total area of all sub-watershed and %	
		4/1	%	4/2	%	4/3	%		%
1.	Arrah	591	9.6	110	2.0	1370	11.6	2071	8.8
2.	Amra	824	13.3	1273	23.1	4854	39.2	6751	28.7
3.	Balia	118	2.0	639	11.8	498	4.2	1255	5.3
4.	Hathia-pathar	622	10.0	392	7.0	355	3.0	1369	5.8
5.	Jankati	16	0.2	30	0.5	-	-	46	0.2
6.	Karaya	178	2.8	48	0.8	1169	9.9	1395	5.9
7.	Kanti	70	1.1	109	2.0	138	1.2	317	1.3
8.	Nawadih	1418	22.9	1932	35.0	1036	8.8	4386	18.6
9.	Pusaro	2288	37.0	832	15.1	2595	21.9	5715	24.3
10.	Settlement	71	1.1	142	2.7	10	0.2	223	1.1
	Total:-	6196	100%	5507	100%	11825	100%	23528	100%

4. The area of each land capability units in ha.

S.N.	Capability unit	Name of the Sub-watersheds						Total for each land capability unit	
		4/1	%	4/2	%	4/3	%		%
1	2	3	4	5	6	7	8	9	10
1	II-1	622	10.0	392	7.0	355	3.0	1369	5.8
2.	IIw-1	178	2.8	48	0.8	1169	9.9	1395	5.9
3.	II-2	591	9.6	110	2.0	1370	11.6	2071	8.8
4.	IIIc-1	546	8.8	391	7.1	522	4.4	1459	6.4
5.	IIIe-2	70	1.1	109	2.0	138	1.2	317	1.4

1	2	3	4	5	6	7	8	9	10
6.	IIIes-1	79	1.3	36	0.7	146	1.2	261	1.1
7.	IVe-1	59	1.0	104	1.9	113	1.0	276	1.2
8.	IVe-2	16	0.2	30	0.5	-	-	46	0.2
9.	VIe-1	1801	29.1	976	17.7	2468	20.7	5235	22.3
10.	VIes-1	640	10.4	1357	24.6	410	3.4	2407	10.2
11.	VIes-2	791	12.8	98	1.9	-	-	889	3.3
12.	VIes-3	699	11.3	539	9.8	480	4.1	1718	7.3
13.	VIIes-1	-	-	-	-	875	7.4	875	3.8
14.	VIIes-2	33	0.5	1175	21.3	3779	31.9	4987	21.2
	Settlement	71	1.1	142	2.7	10	0.2	223	1.1
	Total:-	6196	100%	5507	100%	11825	100%	23528	100%

5.	Specific problems	Soils	4/1	%	4/2	%	4/3	%
i.	Moderate erosion	Balia, Jamkati Pusaro Nawadih	695	(11.2)	536	(9.8)	738	(12.0)
ii.	Severe erosion	Balia, Jamkati Nawadih, Amra.	1539	(24.8)	2764	(50.2)	5177	(43.0)
iii.	Gullied land	Balia, Nawadih Pusaro	699	(11.2)	1515	(27.4)	2938	(24.9)
iv.	Seasonal Water logging	Karaya	178	(2.9)	48	(0.9)	1169	(9.9)