

ABSTRACT

1. Survey area:-

: Subwatershed no. Mc1b of
Mandira River Valley Project,
P.S. Simdega, Ranchi Dist.
Bihar State.

2. a. Total area reported and mapped: 3942 ha.
b. Period of survey (1) May, 1976 to June, 1976

3. Soil series mapped and area covered in ha.

S.N.	Name of soil series	Area in ha.	%
1.	Dipatoli (D)	104	2.6
2.	Kunrkel (K)	977	24.7
3.	Kurmia (K _M)	539	13.7
4.	Noratoli (N)	752	19.1
5.	Rampur (R)	307	7.8
6.	Silphery (S)	82	2.1
7.	Taraboga (T)	162	4.2
8.	Hilly and rocky lands	766	19.4
9.	Gullied land	253	6.4
Total:-		3,942	100.0

4. Land capability classification

S.N.	Land cap. unit	Area in ha	%	Soil series
1.	II-1	372	9.5	Rampur, Dipatoli
2.	IIw-1	752	19.0	Noratoli
3.	IIIe-1	582	14.8	Silphery, Kurmia, Taraboga, Dipatoli
4.	IVe-1	150	3.8	Kurmia, Taraboga
5.	IVes-1	50	1.3	Kunrkel
6.	VIe-1	90	2.3	Kurmia
7.	VIe-2	253	6.4	Gullied lands.
8.	VIIes-1	927	23.4	Kunrkel
9.	VIIes-1	766	19.5	Rocky and hilly land.
Total:-		3,942.0	100.0	

5. Specific problems:

S.N.	Nature of problem	Area in ha.	%	Soil series
a.	Area effected by moderate erosion	632	16.1	Silphery, Kurmia Taraboga, Dipatoli Kunrkel
b.	Area effected by severe erosion.	150	4.8	Kurmia and Taraboga
c.	Area effected by severe erosion with gullies.	1270	32.2	Kurmia gullied land type, Kunrkel
d.	Area effected by seasonal water logging and over flowing.	752	19.0	Noratoli