

REPORT ON DETAILED SOIL SURVEY AND LAND USE
OF Ma1a, Ma1b, Ma1c, Mb1a, Mb1b, Mb1c AND
Mb1d (D.V.C. 39/1, 39/2, 38/1 AND 38/2),
SUBWATERSHEDS OF MAITHAN CATCHMENT, DUMKA
AND DHANBAD DISTRICT, BIHAR STATE.

A B S T R A C T

1. Survey area: Report on detailed soil survey and land use of sub-watersheds Nos. Ma1a, Ma1b, Ma1c, Mb1a, Mb1b, Mb1c and Mb1d (39/1, 39/2, 38/1 and 38/2) Damodar River Valley Project, Maitthan Dam. Catchment of Dumka and Dhanbad district, Bihar State.

2. a) Total area reported and mapped: 27,894 ha.
b) Period of survey: December, 1987 to June, 1988.
c) Type of survey: Detailed soil survey of medium intensity.
d) Agro-climatic region: Eastern Plateau and Hills (Zone No.7).

3. Soil series mapped and area covered by each in ha. (sub-watershedwise) and % in brackets.

Sl No.	Name of soil series	No. of mapping units	Area in ha.	Sub-watersheds						
				Ma1a	Ma1b	Ma1c	Mb1a	Mb1b	Mb1c	Mb1d
1.	AMRA (AR)	2	1299	290 (4.3)	199 (4.9)	-	303 (9.0)	54 (1.0)	331 (9.6)	122 (3.8)
2.	BUMKA (D)	5	11431	2188 (32.4)	1623 (40.2)	897 (45.5)	819 (24.4)	2467 (48.5)	9522 (44.0)	1915 (59.4)
3.	KARAYA (K)	3	4003	761 (11.2)	508 (12.6)	206 (10.4)	256 (7.7)	983 (19.4)	751 (21.8)	538 (16.7)
4.	LACHIMPUR (L)	4	2020	747 (11.0)	582 (14.4)	151 (7.7)	103 (3.0)	94 (1.9)	184 (5.3)	159 (4.9)
5.	MUNHARI (M)	2	507	140 (2.1)	155 (3.8)	15 (0.8)	27 (0.8)	96 (1.9)	74 (2.2)	-
6.	PUSARO (P)	3	553	18 (0.3)	-	27 (1.4)	-	-	295 (8.5)	213 (6.6)
7.	TARABAHAL (TB)	2	72	-	-	-	47 (1.4)	25 (0.5)	-	-
8.	Misc.		8009	2616 (38.7)	977 (24.1)	675 (34.2)	1803 (53.7)	1361 (26.8)	298 (8.0)	279 (8.6)
Total:		21	27894	6760	4044	1971	3358	5080	3455	3226
			100%							

4. Distribution of the area under various land capability classes.

Sl.No.	Land capability units	Area in ha.	Percentage	Soil series
1.	II	4915	17.6	Karaya Munhari Pusaro
2.	III	2168	7.8	Lachimpur Pusaro Tarabahal
3.	IV	72	0.2	Tarabahal
4.	VI	11431	41.0	Dumka
5.	VII	1299	4.7	Amra
Total:		19885	71.3	
Others:		8009	28.7	
Grand total:		27894	100%	

