

Report on Detailed Soil Survey and Land Use of Mc3a, Mc3b and Mg3d (D.V.C. Code -32/B) Sub-watersheds of Maithan Dam Catchment(R.V.P.) P. S. Giridih, Jamua, Koderma and Morkocha of Giridih and Koderma Districts, Bihar.

Abstract

1. Survey area : Mc3a, Mc3b and Mg3d subwatersheds of Maithan Dam Catchment, Giridih and Koderma (DVC code 32/B) district, Bihar.
2. Type of Survey : Detailed soil survey.
3. Total area mapped : 7171 ha.
4. Agro Climatic zone : Eastern plateau and Hills (zone no.7) as per National Planning commission.
5. Period of Survey : February to April '96
and
May to June '97

6. Soil Series Mapped and Their Extent in ha. (Sub-watershedwise)

Sl No.	Name of Soil Series	No. of mapping units	Total area in ha.	Sub. water sheds		
				Mc3a	Mc3b	Mg3d
1.	Chakai (C)	3	319 (4.4)	40 (0.8)	197 (3.8)	82 (4.1)
2.	Dumka (D)	5	1859 (25.9)	1032 (20.0)	637 (12.3)	190 (9.5)
3.	Hathiapathar (H)	4	714 (10.0)	73 (1.4)	175 (3.4)	466 (23.3)
4.	Karaya (K)	3	850 (11.9)	223 (4.3)	163 (3.2)	464 (23.2)
5.	Lachimpur (L)	3	692 (9.6)	307 (5.9)	100 (1.9)	285 (14.3)
6.	Munhari (M)	4	153 (2.1)	69 (1.4)	84 (1.6)	- -
7.	Pusaro (P)	5	2148 (30.0)	1320 (25.5)	391 (7.6)	437 (21.8)
8.	Sonbad (S)	2	85 (1.2)	65 (1.3)	20 (0.3)	- -
	Total	29	6820 (95.1)	3129 (94.7)	1767 (94.6)	1924 (96.2)
9.	Misc	-	351 (4.9)	174 (5.3)	101 (5.4)	76 (3.8)
	Grand Total		7171	3303 (46.1)	1868 (26.0)	2000 (27.9)

7. Sub-watershedwise, Distribution of Area under Various Land Capability Classes

Sl No.	Land Capability unit	Area in ha	%	Subwatershedwise distribution in ha.		
				Mc3a	Mc3b	Mg3d
1.	II	2863	39.9	874 (26.4%)	715 (38.2%)	1274 (63.7%)
2.	III	777	10.8	372 (11.3%)	120 (6.4%)	285 (14.3%)
3.	IV	1379	19.3	873 (26.4)	331 (17.8)	135 (6.7)
4.	VI	1801	25.1	1010 (30.6)	601 (32.2)	190 (9.5)
5.	Misc	351	4.9	174 (5.3%)	101 (5.4%)	76 (3.8%)
Total		7171	100	3303	1868	2000