

Report on Detailed Soil and Land Use Survey of Manai Nallah Watershed (Code No. 66/3) Mahanadi Catchment, Tahsil-Sarangagarh Dist. Raigarh (Madhya Pradesh).

ABSTRACT

1. Survey Area : Manai Subwatershed of Mahanadi Catchment  
Tahsil Sarangagarh Dist. Raigarh (M.P)
2. a) Total area reported and mapped : 7158 ha  
b) Period of Survey - November 1978 to January 1979.
3. Soil series mapped and area(ha) covered by each.

S.No.	Name of series and symbol.	Area in (ha)	Percentage of the total area.
1.	Adapthara (A)	515	7.2
2.	Baijalpur (BJ)	112	1.6
3.	Baisi (BS)	90	1.2
4.	Dhoram (D)	122	1.7
5.	Dumarpalli (DP)	15	0.2
6.	Fulwari (F)	151	2.1
7.	Jatri (J)	173	2.4
8.	Kutela(K)	66	0.9
9.	Karmandi (KD)	78	1.1
10.	Laripani (L)	3450	48.2
11.	Nawagaon (NG)	56	0.8
12.	Parsoda (P)	43	0.6
13.	Suabahar (SB)	42	0.6
14.	Tamnar (T)	2163	30.2
Total:		7076	98.9
Other features, habitation Nala, roads, tanks, rockout crops etc.		82	1.1
Grand Total		7158	100. %

4. Distribution of area under different land capability class.

Class	Area in ha	%	Capability units	Area in ha	%	Soil series
II	835	81.4	II-1	118	11.5	Dhoram
			II-2	436	42.5	Baijalpur, Fulwari, Jatri
			IIe-1	34	3.3	Kutela
			IIe-2	114	11.1	Karmandi, Suabaha, Tamnar
			IIw-1	133	13.0	Baisi, Parsoda
III	58	5.7	IIIe-1	58	5.7	Karmandi, Suabaha, Tamnar
IV	132	12.9	IVe-1	44	4.3	Kutela, Karmandi.
			IVes-1	88	8.6	Nawagaon, Dumarpalli, Laripani

5. Specific Problems :

Nature of the Problem	Problem area in ha	Associated soil series
1. Slight erosion	691	Baijalpur, Baisi, Dhoram Fulwari, Jatri, Parasoda.
2. Moderate erosion	4509	Adapthra, Kutela, Karmandi, Laripani, Suabaha and Tamnar
3. Severe erosion	1876	Adapthara, Dumarpalli, Kutela, Karmandi, Laripani Nawagaon and Tamnar
4. Seasonal over floding	133	Baisi and Parsoda