

ABSTRACT

1. Survey area: Md3b of Mandira Catchment Tehshil
Jaspur, District: Raigarh, Madhya Pradesh.
2. a) Total area reported and mapped: 6237 ha.
b) Period of Survey: 16th June, 1977 to 26th July, 1977.
c) Type of Survey: Detailed.

3. Soil series mapped and area covered by each in ha.

<u>S.N.</u>	<u>Soil series</u>	<u>Area in ha.</u>	<u>% of area under series only</u>
1.	Arrah	280	8.8
2.	Balia	1291	40.6
3.	Dumka	273	8.6
4.	Hathiapathar	119	3.7
5.	Jamkathi	27	0.8
6.	Kanti	25	0.8
7.	Karaya	763	24.0
8.	Nawadih	404	12.7

Total:- 3182 100.0

% of total area:- (50.98)

9. Other features like river, nala, ponds, miscellenous bands etc. 3055 (49.02)

Grand total:- 6237 ha. 100%

4. Land capability classification:

<u>S.N.</u>	<u>Land capability unit</u>	<u>Area in ha.</u>	<u>%</u>	<u>Soil series</u>
1.	II-1	119	1.9	Hathiapathar
2.	IIw-1	763	12.2	Karaya
3.	III-1	414	6.6	Arrah, Balia
4.	IIIe-1	1145	18.3	Arrah, Balia, Jamkathi, Kanti.
5.	IVe-1	214	3.5	Balia
6.	IVes-1	103	1.7	Nawadih
7.	IIIes-1	301	4.9	Nawadih
8.	VIes-1	3178	50.9	Dumka & Misc. land.

Total:- 6237 100

5.

5. Specific problems:

<u>Nature of problem.</u>	<u>Area in ha.</u>	<u>% of total area</u>	<u>Soil Series.</u>
a) Area affected by moderate erosion.	1446	23.2	Arrah, Balia, Karaya, Kanti, Jankathi and Nawadih.
b) Area affected by severe erosion.	1134	18.2	Balia, Dumka and Nawadih.
c) Area under hill or hilly land.	1894	30.4	Misc. land.
d) Area under gravels and stone.	234	3.8	Misc. land.
e) Area under river	296	4.7	River.
f) Area under rock out crops.	28	0.5	Misc. land
Total: 5034		83.8	