

Report on Prioritization of Subwatersheds in part of Rengali Mandira, RVP Catchment, distt. Raigarh and Surguja, Madhya Pradesh.

A B S T R A C T

1. Survey area : Rengali-Mandira RVP Catchment, Madhya Pradesh.
2. Location : 22°-35' to 23°-25' N latitude
83°-57' to 84°-23' E longitude.
3. Total area : 1,44,242 ha
- 4(a) Type of Survey : Rapid Reconnaissance Survey
(b) Period of Survey : February-March; 1994
5. Base material : Survey of India Topographical maps (1:50,000 scale)
6. Mapping units and area covered under each(ha)

Sr. No.	Mapping Units	Area in ha	%	Sr. No.	Mapping Units	Area in ha	%
1.	C1	765	0.5	11.	L4	25720	17.8
2.	C2	4893	3.4	12.	L5	1472	1.0
3.	C3	1338	0.9	13.	L6	8781	6.1
4.	C4	1655	1.2	14.	L7	25284	17.5
5.	C5	1394	1.0	15.	L8	11249	7.8
6.	C6	1150	0.8	16.	L9	19407	13.7
7.	C7	1888	1.3	17.	L10	18971	13.2
8.	L1	4457	3.	18.	L11	5014	3.5
9.	L2	1987	1.4	19.	S1	3594	2.5
10.	L3	7395	5.1	20.	S2	1828	1.3
Grand Total :						144242	100.0

7. Hydrological division

- a) Catchment - M Mandira RVP catchment
- b) Subcatchments - 4 (Mb, Md, Mf and Mg)
- c) Watersheds - 8
- d) Subwatersheds - 45

8. Priority categorization of subwatersheds

Sr. No.	Priority Category	Sediment yield Index range	No. of sub-watersheds	Area in ha	% of total area
1.	Very high	-	-	-	-
2.	High	1400-1499	2	2151	1.5
3.	Medium	1300-1399	2	4323	3.0
4.	Low	1200-1299	17	51612	35.8
5.	Very Low	Below 1200	24	86156	59.7
Total			45	144242	100.0