

Report on prioritization of Subwatersheds in 'Ny' and 'Nz' Subcatchments and Narmada catchment; Mandla and Shahdol districts, Madhya Pradesh.

ABSTRACT

1. Survey area : 'Ny' and 'Nz' Subcatchments of Narmada catchment.
2. Location : 22°-25' to 23°-16' N latitude, 80°-21' to 81°-47' E longitude.
3. Total area Surveyed :
and mapped 5,21,121 ha.
4. (a) Period of Survey : April 92 to June 92 and December, 92
- (b) Type of Survey : Rapid Reconnaissance
5. Base material : Survey of India toposheets on 1:50,000
6. Extent of different Erosion intensity mapping units :

Sr. No.	Mapping unit	Area (ha)	Percentage
1.	A	9699	1.8
2.	A1	12449	2.4
3.	A2	16275	3.1
4.	A3	56300	10.8
5.	A4	9250	1.8
6.	A5	1800	0.3
7.	A6	7799	1.5
8.	B	87712	16.8
9.	B1	1925	0.4
10.	B3	14413	2.8
11.	C	31400	6.0
12.	C1	10000	1.9
13.	D	21162	4.1
14.	D1	55725	10.7

IV

1.	2.	3.	4.
15.	E	46325	8.9
16.	E1	350	0.1
17.	F	12600	2.4
18.	G	62338	12.0
19.	G1	3150	0.6
20.	H	2500	0.5
21.	J	2324	0.4
22.	M	875	0.2
23.	N	14175	2.7
24.	N1	20225	3.9
25.	N3	2725	0.5
26.	N4	17275	3.3
27.	N5	250	0.1
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		521121	100.0
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7. Hydrological divisions :

Catchment	: Narmada
Subcatchment	: 'Ny' and 'Nz'
Watersheds	: 13
Subwatersheds	: 203

8. Priority categorisation :

Sr.No.	Priority category	Sedement index Range	No.of sub-watersheds	Area (ha)	Percentage
1.	Very high	1300 and above	51	113449	21.8
2.	High	1200 - 1299	70	181662	34.8
3.	Medium	1100 - 1199	73	202123	38.8
4.	Low	1000 - 1099	9	23887	4.6
5.	Very low	Below 1000	Nil	-	-
Total :			203	521121	100.0

9. Districtwise distribution of Area (ha)

Sr. No.	Priority category	No. of Subwatersheds	DISTRICTS (ha)		Total Area (ha)
			Mandla	Shahdol	
1.	Very high	51	100450 (46)	12999 (5)	113449
2.	High	70	157999 (61)	23663 (9)	181662
3.	Medium	73	183986 (67)	18137 (6)	202123
4.	Low	9	23887 (9)	-	23887
5.	Very low	-	-	-	-
Total :		203	466322 (183)	54799 (20)	521121

The Figures in parantheses show no. of subwatersheds.