

Report on

Prioritization of subwatersheds in Ns and Ns' subcatchments
Narmada Catchment, (Indira Sagar), Narsimhapur, Raisen
Sagar and Sehore Districts, Madhya Pradesh

A B S T R A C T

1. Survey area : Ns and Ns' subcatchments of Narmada catchment Narsimhapur, Raisen Sagar and Sehore, Districts, Madhya Pradesh.
2. Location : 22°42' to 23°48' NL and
77°40' to 79°02' EL
3. Total area : 5,67,915 ha
4. (a) Period of survey : November 88 to February 90
(b) Type of survey : Rapid Reconnaissance
5. Base material : Topographical maps (1:50,000)
6. Hydrologic Divisions :
(a) Catchment : Narmada (Madhya Pradesh)
(b) Subcatchments : Ns and Ns'
(c) Watersheds : 14
(d) Subwatersheds : 250
7. Mapping units and their extent :-

Sr. No.	Mapping unit	Area (ha)	Percent
(1)	(2)	(3)	(4)
1.	A	4,945	0.9
2.	B	10,772	1.9
3.	C	51,796	9.1
4.	D	68,369	12.0
5.	F	592	0.1
6.	G	12,608	2.2
7.	G1	15,878	2.8
8.	H	2,327	0.4
9	J	24,471	4.4

II

(1)	(2)	(3)	(4)
10.	M	5,630	1.0
11.	N	51,966	9.2
12.	N1	1,20,178	21.2
13.	N3	42,041	7.4
14.	N4	33,343	5.9
15.	N5	1,707	0.3
16.	P	6,253	1.1
17.	Q	3,616	0.6
18.	Q1	58,088	10.2
19.	R	2,271	0.4
20.	R1	33,941	6.0
21.	R2	792	0.1
22.	R4	1,203	0.2
23.	S	967	0.2
24.	S1	407	0.1
25.	T	10,957	1.9
26.	T1	2,397	0.4
Grand Total		5,67,915	100.0

8. Priority categorization :

Priority category	Sediment Yield Index Range	No. of subwatersheds	Area (ha)	Percent
Very high	1300 and above	68	1,27,121	22.4
High	1200 to 1299	24	53,531	9.4
Medium	1100 to 1199	27	63,514	11.2
Low	1000 to 1099	45	1,05,762	18.6
Very low	Below 1000	86	2,17,987	38.4
Total		250	5,67,915	100.0