

REPORT ON DEMARCATION OF PRIORITY SUB-WATERSHEDS IN  
THE Nb & Nc SUB-CATCHMENTS, SARDAR SAROVAR CATCHMENT  
(NARMADA VELLY), IN A PART OF BHARUCH AND VADODARA  
DISTRICTS OF GUJARAT AND JHABUA AND DHAR DISTRICTS  
OF MADHYA PRADESH.

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I. ABSTRACT

1. **Survey Area** Nb & Nc subcatchments, Sardar Sarovar Narmada RVP, Bharuch and Vadodara Districts, Gujarat and Jhabua and Dhar districts, Madhya Pradesh.
  
2. **Location**  

73°-44' to 75°-26' E Longitudes  
21°-50' to 22°-43' N Latitudes

Nb 73°-44' to 74°-42' E Longitudes  
21°-50' to 22°-43' N Latitudes

Bharuch and Vadodara districts  
Gujarat and Jhabua and Dhar districts,  
Madhya Pradesh.

Nc 74°-29' to 75°-26' E Longitudes  
22°-02' to 22°-38' N Latitudes

Jhabua and Dhar districts, Madhya Pradesh
  
3. **Total Area** 6,46,454 (+18557 ha under rivers, tanks etc.)  

Nb 2,47,371  
Nc 3,99,083
  
4. **Period of Survey** 1989-90  
(April 89 to May 90)
  
5. **Type of Survey** Rapid Reconnaissance survey for priority delineation.

6. Base Material Survey of India Topographical Maps/  
Aerial Photograph(1:50,000)

7. Erosion Intensity Mapping Units (EIMU) and area  
under each:

<u>Sl.No.</u>	<u>EIMU</u>	<u>Area in ha.</u>	<u>Percentage</u>
1.	A	20,457	3.08
2.	B	16,772	2.52
3.	C	3,567	0.54
4.	D	33,918	5.10
5.	E	21,421	3.20
6.	F	7,753	1.16
7.	G	5,449	0.82
8.	H	2,152	0.32
9.	I	2,235	0.34
10.	J	15,612	2.35
11.	K-1	8,039	1.21
12.	K-2	14,275	2.15
13.	K-3	3,717	0.56
14.	L-1	493	0.07
15.	L-2	1,119	0.18
16.	M-1	79,669	11.98
17.	M-2	19,887	3.00
18.	M-3	1,01,075	15.20
19.	N	10,700	1.60
20.	P	46,901	7.05
21.	Q	88,766	13.35
22.	R	1,04,528	15.72
23.	S-1	17,905	2.70
24.	S-2	10,749	1.62
25.	T	2,542	0.38
26.	U	5,365	0.81
27.	V	1,258	0.19
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	TOTAL	6,46,454	
	Misc.	18,557	2.80
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	GRAND TOTAL	6,65,011	100

8. Hydrological Divisions:

(a) Catchment : N,Narmada Catchment(Sardar Sarovar RVP)

(b) Subcatchments: 2 - Nb & Nc.

(c) Watersheds : 14

(Nb1 to Nb6)

(Nc1 to Nc8)

(d) Subwatersheds: 205

Nb - 81

Nc - 124

9. Priority Classification:

Sl. No.	Priority Category	Silt yield Index range	No.of sub-water sheds.	Area in ha.	%age of total area
1.	Very high	1300 and above	40	1,18,979	17.90
2.	High	1200-1299	57	1,98,370	29.83
3.	Medium	1100-1199	74	2,35,666	35.43
4.	Low	1000-1099	30	94,438	14.20
5.	Very low	Below 1000	4	17,558	2.64
<b>TOTAL</b>			<b>205</b>	<b>6,65,011</b>	<b>100%</b>