

Report on Prioritization of subwatersheds in 'Nv' subcatchment (Bargi), Narmada Catchment in Jabalpur, Mandla & Seoni districts of Madhya Pradesh.

Abstract

1. Survey area.: Nv subcatchment of Narmada Catchment
2. Location : $22^{\circ}30'$ - $22^{\circ}58'$ N. latitude, $79^{\circ}58'$ - $80^{\circ}29'$ E. longitude
3. Total area surveyed and mapped : 1,76,745 hectares.
4. (a) Period of Survey : December 91 - January 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.

	<u>Mapping Unit</u>	<u>Area(ha)</u>	<u>Percentage</u>
	(1)	(2)	(3)
1.	A	12003	6.8
2.	A2	3375	2.0
3.	A3	13101	7.4
4.	A4	4549	2.6
5.	B	30951	17.5
6.	C	14063	8.1
7.	D	23839	13.5
8.	D1	23403	13.2
9.	E	3601	2.0
10.	F	1588	0.9
11.	G	17049	9.5
12.	G1	1638	0.9
13.	H	7123	4.0
14.	J	2625	1.5
15.	N	4062	2.3
16.	N1	10901	6.2

	(1)	(2)	(3)
17. N3		400	0.2
18. N4		2199	1.2
19. N5		275	0.2
		<u>1,76,745</u>	<u>100.0</u>

7. Hydrological divisions

Catchment : Narmada

Subcatchment: Nv

Watersheds : 6 (Nv1 - Nv6)

Subwatersheds: 105

7. Priority Categorisation :

<u>Priority Category</u>	<u>Sediment yield index Range</u>	<u>No. of subwatersheds</u>	<u>Area (ha)</u>	<u>Percent</u>
1. Very High	1300 or more	25	38817	22.0
2. High	1200-1299	46	85508	48.4
3. Medium	1100-1199	31	44357	25.1
4. Low	1000-1099	2	5425	3.0
5. Very low	Below 1000	1	2638	1.5
	<u>Total :</u>	<u>105</u>	<u>176745</u>	<u>100.0</u>

8. Districtwise distribution of Area (ha)

Sr. No.	Priority category	No. of Subwatersheds	DISTRICTS (ha)			Total Area (ha)
			Jabalpur	Mandla	Seoni	
1.	Very high	25	-	33242 (21)	5575 (4)	38817
2.	High	46	-	69720 (37)	15788 (9)	85508
3.	Medium	31	1675 (1)	26555 (20)	16127 (10)	44357
4.	Low	2	-	3450 (1)	1975 (1)	5425
5.	Very low	1	-	2638	-	2638
Total :		105	1675 (1)	135605 (80)	39465 (24)	176745

The figures in paranthesis show no. of subwatersheds.