

Report on Demarcation of priority. Subwatershed  
in the NK (Part) and Nn Subcatchment of Narmada  
Catchment above proposed Narmada Sagar (Indira Sagar) Dam,  
Khandwa and Hoshangabad district, Madhya Pradesh.

A B S T R A C T

1. Survey area : Nk (part) and Nn subcatchments of Narmada catchment, Khandwa and Hoshangabad districts, Madhya Pradesh.
2. Location :  $21^{\circ} - 41'$  to  $22^{\circ} - 28'$  N Latitude,  $76^{\circ} - 23''$  to  $77^{\circ} - 20''$  Longitude.
3. Total area : 6,27,841 ha
4. (a) Period of survey: November, 1986 to June 1987  
(b) Type of survey : Rapid reconnaissance for priority delineation.
5. Base material : Aerial photographs (1:50,000) and toposheets (1:50,000)
6. Mapping units and area under each :

Mapping Unit	Area (ha)	Percent
A	25,713	4.6
B	45,541	8.1
C	25,514	4.5
D	55,583	9.8
E	37,518	6.6
F	1,514	0.2
G	86,960	15.4
G1	19,155	3.4
H	36,112	6.4
J	195,650	18.7
K	24,873	4.4
N	41,375	7.3
N1	35,367	6.3
N3	5,109	0.9
N4	10,722	1.9
P	1,251	0.2
Q	2,640	0.5
R	4,463	0.8
	5,64,060	100.0

(ii)

Submergence area 63,781 ha.

7. Hydrologic divisions

(a) Catchment : N-Narmada, Madhya Pradesh.

(b) Subcatchments : Nn, Nk.

(c) Watersheds : 13

(d) Subwatersheds : 205

8. Priority Categorisation

Priority Category	Sediment yield index range	No of subwatersheds	Area (ha)	Percent
Very high	Over 1300	19	47,706	8.4
High	1200 - 1299	61	158465	28.1
Medium	1100 - 1199	97	285243	50.6
Low	1000 - 1099	25	64080	11.4
Very Low	below 1000	3	8566	1.5
		205	564060	100.0
	Submergence area		63781 ha.	
			<u>Grand Total</u>	<u>6,27,841 ha.</u>