

(1)

REPORT ON DEMARCATION OF PRIORITY SUBWATERSHEDS IN THE  
JAYAKWADI CATCHMENT AHMADNAGAR AND NASIK DISTRICTS,  
MAHARASHTRA

ABSTRACT

1. Surveyed Area : Jd(Part), Jf, Jg(Part), Jh(Part), Jj, Jk, Jm, Jn sub-catchments of Jayakwadi catchment, Ahmadnagar and Nasik districts, Maharashtra.
2. Location :  $19^{\circ} 3'$  to  $20^{\circ} 27'$  N latitude,  $73^{\circ} 29'$  to  $74^{\circ} 48'$  E longitudes.
3. Total area : 9,79,776 ha
4. (a) Period of survey : February 1984 to February 1986  
(b) Type of survey: Rapid reconnaissance for priority delineation.
5. Base material : Toposheets of 1:63,360
6. Mapping units and area under each (ha)

Mapping unit	Area (ha)	Percent
A	1,29,035	13.4
B	45,350	4.7
C	2,08,102	21.6
D	5,582	0.6
E	81,425	8.5
F	1,15,685	12.0
G	2,09,882	21.8
G1	3,355	0.4
H	65,605	6.8
J	64,645	6.7
K	34,140	3.5
	9,62,806	100.00

17/90

(ii)

Submerged area - 16,970 ha

7. Hydrologic divisions

(a) Catchment - J - Jayakwadi, Maharashtra State

(b) Subcatchments - Jd, Jf, Jg, Jh, Jj, Jk, Jm, Jn .

(c) Watersheds - 37

(d) Subwatersheds - 330

8. Priority categorisation.

Priority Category	Sediment yield index range	No. of Sub-watersheds	Area (ha)	Percent
Very high	Over 1300	12	31,985	3.3
High	1200 - 1299	38	1,34,180	15.9
Medium	1100 - 1199	42	1,27,210	13.2
Low	1000 - 1099	73	2,04,832	21.3
Very low	below 1000	165	4,65,599	48.3
		330	9,62,806	100.00

Submergence area - 16,970

Grand Total 9,79,776