

Report on Prioritization of subwatersheds in Pn, Pn', Pp, Pq and Pr subcatchments, pochampad R.V.P. catchment, Ahamadnagar, Aurangabad, Bir and Parbhani districts, Maharashtra.

A B S T R A C T

1. Survey Area :- 'Pn', 'Pn', Pp, Pq and Pr subcatchments Pochampad R.V.P.
2. Location :- $18^{\circ} 46'$ to $20^{\circ} 4'$ N latitudes, $75^{\circ} 17'$ to $76^{\circ} 17'$ E longitudes.
3. Total Area surveyed and mapped :- 10,99,827 Ha.
4. Type of Survey :- Rapid Reconnaissance of Survey.
5. Period of Survey :- Nov. 1980 to June 1981
6. Base Material :- Survey of India Toposheets on 1:50,000 scale
7. Extent of different erosion intensity mapping units.

Sr.No.	Mapping Unit	Area (ha)	Per cent
1	A	21,541	2.0
2	B	31,945	2.9
3	C	1,01,195	9.2
4	D	1,655	0.11
5	E	77,239	7.0
6	F	1,68,304	15.3
7	G	2,91,098	26.5
8	H	73,696	6.7
9	J	2,82,358	25.7
10	K	50,796	4.6
Grand Total		10,99,827	100.0

8. Hydrologic divisions:

- (a) Catchment : P - Pochampad,
- (b) Subcatchments : Pn, Pn', Pp, Pq and Pr
- (c) Watersheds : 28
- (d) Subwatersheds : 449.

9. Priority categorisation :-

Priority category	Sediment yield Index range	No. of Sub-watershed	Area (ha)	Per cent
Very High	1200 and above	6	14369	1.3
High	1100 - 1199	32	87482	8.0
Medium	1000 - 1099	113	304207	27.7
Low	900 - 999	189	451500	41.0
Very Low	Below 900	109	242269	22.0
Total		449	1099827	100.0

10. Districtwise distribution of area with no. of subwatersheds under different priority category.

Priority category	Ahamadnagar Area (ha)	Aurangabad Area (ha)	Bir Area (ha)	Parbhani Area (ha)	Total Area (ha)
Very High	-	9,769 (3)	4,600 (3)	-	14,369 (6)
High	8,925 (2)	32,268 (13)	46,289 (17)	-	87,482 (32)
Medium	110,800 (4)	90,828 (40)	1,91,204 (64)	11,375 (5)	3,04,207 (113)
Low	19,626 (7)	214,245 (100)	1,85,282 (69)	32,347 (13)	4,51,500 (189)
Very low	10,126 (4)	1,48,930 (71)	79,104 (32)	4,109 (2)	2,42,269 (109)
Total	49,477	4,96,040	5,06,479	47,831	10,99,827 (449)