

Report on prioritization of subwatersheds in part of 'Am' subcatchment of Nagarjunsagar catchment in parts of Sangli, Satara and Sholapur districts of Maharashtra State.

i. ABSTRACT

1. Surveyed area : Part of 'Am' subcatchment of Nagarjunsagar catchment in parts of Sangli, Satara, and Sholapur districts of Maharashtra State.
2. Location : 74°22' to 75°15' E Longitude and 17°7' to 17°52' N latitude
3. Total area surveyed and mapped : 2,90,032 hectares
4. Period of survey : February 1988 to June 1988
5. Type of Survey : Rapid Reconnaissance survey
6. Base material : Survey of India toposheet of 1:50,000
7. Aerial extent under different erosion intensity mapping units.

Erosion intensity mapping units	Area (in hectares)	Percentage
A1	3038	1.1
A2	2471	0.8
B1	56925	19.6
B2	49627	17.1
E	17996	6.2
F	7163	2.5
J	73379	25.3
M	28891	10.0
N	14237	4.9
P	30485	10.5
Miscellaneous	5820	2.0
Total	290032	100.0

8. Hydrological divisions

- a) Catchment - 'A' Nagarjunsagar
b) Subcatchment 'Am' (part only)
c) Watersheds - 4
d) Subwatersheds - 75

9. Soil erosion hazard

Erosion class	Area in hectares	Percentage
Severe erosion	32956	11.4
Moderate erosion	194466	67.0
Moderate to severe erosion	56790	19.6
Total	284212	98.0
Miscellaneous land	5820	2.0
Grand total	290032	100.0

10. Distribution of area under different priority categories

Priority category	No. of subwatersheds	Area in hectares	Area under			
			Cultivation	Forest	Uncultivated lands	Misce.
Very high	4	19515	16544	Nil	2689	282
High	5	27165	20388	56	6260	461
Medium	4	16889	10050	531	5998	310
Low	20	74153	43673	1527	27706	1247
Very low	42	152310	85778	3395	59617	3520
Total	75	290032	176433	5509	102270	5820
Percentage		100.0	60.8	1.9	35.3	2.0

11. Salient features: Out of 2,90,032 hectares surveyed for prioritization of subwatersheds, 19515 hectares (6.7%) and 27165 hectares (9.4%) have been prioritized as very high and high subwatersheds respectively.