

"Report on demarcation of priority subwatersheds in the catchment of Nagarjunsagar River Valley Project (below Srisaïlam Project), Andhra Pradesh".

A B S T R A C T

- 1) Survey area : Part of Nagarjunsagar R.V.P. Catchment (below Srisaïlam Project), Andhra Pradesh.
- 2) Total area surveyed & mapped : 2,07,877 hectares.
- 3) Period of survey : 16th January 1974 to 22nd June 1974.
- 4) Erosion Intensity units mapped, their area and percentage covered.

<u>Erosion intensity unit</u>	<u>Area (Ha)</u>	<u>Percentage</u>
A	67706	32.57
B	79095	38.04
C	25800	12.39
D	1070	0.52
E	1255	0.61
F	1824	0.89
G	683	0.32
H	7688	3.70
J	12126	5.84
M	5215	2.51
P	1128	0.55
S	4287	2.06
Total	2,07,877	100.00

- 5) Gradation of priority subwatersheds, area and erosion intensity unit covered.

<u>Priority grading with silt load</u>	<u>No. of watersheds</u>	<u>Area (hectares)</u>	<u>Percentage</u>	<u>Erosion intensity units</u>
Very high Above 1300	7	22885	11.0	A, B, C, D, E, F, J
High 1299-1200	43	114709	55.2	A, B, C, E, G, H, J, M, P, S.
Medium 1199 to 1200	21	70283	33.8	A, B, C, D, F, H, J, M, P, S.
Low 1000 to 1099	-	-	-	-
Very low below 999	-	-	-	-

- 6) Priority area recommended for soil survey and soil conservation programme.

<u>No. of subwatersheds</u>	<u>Area (ha.)</u>	<u>Percentage.</u>
13	35,446	17%