

Report on the Demarcation of Priority Subwatersheds in  
Aa Subcatchment, Nagarjunasagar RVP Catchment,  
Andhra Pradesh

ABSTRACT

1. Survey area : Aa subcatchment, Nagarjunasagar Catchment, Kurnool Distt., Andhra Pradesh
2. Location : 15°45' - 16°10' N Lat and 78°12' - 78°58' E Long
3. Total area : 181855 ha (including 9493 ha under streams, tanks, reservoir spread etc.) Survey area under priority categories is 1,72,362 ha.
4. a) Period of: November, 1981 - December, 1981  
Survey March, 1982 - May, 1982
- b) Type of : Rapid reconnaissance for priority Survey delineation
5. Base material : Toposheets (1:50,000) and (1:63,360)
6. Mapping units and area under each :

Mapping Units	Area (ha)	Percent
B	16814	9.8
E	4987	2.9
F	12480	7.2
R	20307	11.8
U	23892	13.9
U1	750	0.4
U2	19372	11.2
W	57021	33.1
W1	16424	9.5
W2	315	0.2
	<u>172362</u>	<u>100.0</u>

Miscellaneous  
(Rivers, tanks, expected of water spread of Srisaillam) 9483

7. Hydrological subdivision
  - a) Catchment : A Nagarjunasagar
  - b) Subcatchment Aa
  - c) Watersheds : 3 Aa5 to Aa7
  - d) Subwatersheds 47

3. Distribution of subwatersheds under priority categories

Sr. No.	Priority category and range of sediment yield index	No. of subwatersheds	Area in ha	% of the total
1.	Very high (1500 and above)	7	29893	✓ 17.3
2.	High (1200-1299)	7	26534	✓ 15.4
3.	Medium (1100-1199)	20	66246	✓ 38.4
4.	Low (1000-1099)	7	25110	✓ 14.6
5.	Very Low (Below 1000)	6	24579	✓ 14.3
Total		47	172362	100.0