

Report on Demarcation of Priority Subwatersheds in
Af (part) Subcatchment, Nagarjunasagar R/W, Andhra Pradesh

ABSTRACT

1. Survey Area : Af (part) Subcatchment, Nagarjunasagar Catchment, Mahaboobnagar District, Andhra Pradesh.
2. Location : 16°12' to 16°55' N Lat
77°16' to 77°55' E Long.
3. Total Area : 1,38,752 ha (including 2300 ha under streams, tanks, etc.) Actual area categorised into priorities 1,36,452 ha
4. a) Period of Survey : September, 1981 to January, 1982
b) Type of Survey : Rapid reconnaissance for priority delineation
5. Base material : Aerial photographs (1:20,000)
Toposheets (1:50,000)
6. Mapping units and their extent :

Mapping Units	Area (ha)	Percent
A	1498	1.1
B	14260	10.5
C	39374	28.9
D	10869	8.0
E	5624	4.1
F	19688	14.4
Fe	721	0.5
G1	3262	2.4
H	20967	15.3
J	14456	10.6
Q	5733	4.2
11	136452	100.0

Tanks and streams : 2300 ha

7. Hydrologic codification

- a) Catchment : A Nagarjunasagar
- b) Subcatchment : Af (part)
- c) Watersheds : 4, Af9 to Af12
(Af1 to Af8 already reported in Report Agri. 495)
- d) Subwatersheds : 49

8. Priority classification

Priority category	Sediment yield index range	No. of subwatersheds	Area (ha)	% of total
Very High	1300 and above	1	3000	2.2
High	1200 - 1299	5	15686	11.5
Medium	1100 - 1199	19	47793	35.0
Low	1000 - 1099	5	12812	9.4
Very low	Below 1000	19	57161	41.9
Tanks & Streams - 2300 ha		Total	49 136452	100.0