

Report on the prioritization of subwatersheds in Tp and Tr subcatchments of Tungabhadra catchment in parts of Chickmagalur and Shimoga districts, Karnataka.

i Abstract

1. Survey area : Tp and Tr subcatchments of Tungabhadra catchment in parts of Chickmagalur and Shimoga districts, Karnataka.
2. Location : 13°07'30 to 13°54' N latitude and 75°03' to 75°46' E longitude
3. Total area : 4,36,463 hectares
4. a) Type of survey : Rapid Reconnaissance Soil Survey
b) Period of survey : November 1984 to December 1987
5. Base map : Survey of India Toposheets of 1:50,000
6. Districtwise distribution of area under different priority categories:

Priority category	Total area		Tp subcatchment		Tr subcatchment	
	Tp	Tr	Chickmagalur	Shimoga	Chickmagalur	Shimoga
Very high	-	-	-	-	-	-
High	-	-	-	-	-	-
Medium	-	-	-	-	-	-
Low	-	-	-	-	-	-
Very low	2,39,484	1,87,078	1,23,360	1,16,124	1,87,038	40
Area under reservoir	1,256	8,645	10	1,246	8,495	150
Total	2,40,740	1,95,723	1,23,370	1,17,370	1,95,533	190
Grand Total	2,40,740	1,95,723	2,40,740		1,95,723	

7. Aerial extent of different erosion intensity units (hectares)

Mapping units	Tp Subcatchment	Tr Subcatchment	Total area	Percentage of the area
A2	21832	-	21832	5.0
A3	-	158	158	0.1
A5	-	3540	3540	0.8
A6	66350	71019	137369	31.5
A8	14801	22342	37143	8.5
A9	83718	33988	117706	27.0

Contd.

Mapping units	Tp Subcatchment	Tr Subcatchment	Total area	Percentage of the area
A10	2814	397	3211	0.7
G1	-	4463	4463	1.0
G2	7382	34846	42228	9.7
I	281	-	281	0.1
P4	39469	-	39469	9.0
P5	-	11372	11372	2.6
P6	-	3518	3518	0.8
Misc.	2837	1435	4272	0.9
Total	239484	187078	426562	97.7
Area under reservoir	1256	8645	9901	2.3
Grand Total	2,40,740	1,95,723	4,36,463	100.0

8. Hydrological subdivisions

a) Catchment - I (Tungabhadra)

b) Subcatchment 11-12 Tp and Tr

c) Watersheds - 13

d) Subwatersheds - 133

9. Distribution of area under different land uses under different priorities.

Sl. No.	Priority categories	Land use				Total
		Cultivated	Plantation	Forest	Misce.	
1.	Very high	-	-	-	-	-
2.	High	-	-	-	-	-
3.	Medium	-	-	-	-	-
4.	Low	-	-	-	-	-
5.	Very low	54359	46691	321240	4272	426562
	Total	54359	46691	321240	4272	426562