

Report on prioritization of subwatersheds of kabini catchment in Cauvery basin, in Coorg & Mysore dists. Karnataka State and Wynad district, Kerala State.

### ABSTRACT

1. Survey area : Kabini catchment in Coorg & Mysore dists. of Karnataka state and Wynad district of Kerala State.
2. Location : 75°48' to 76°21' 30" E longitude  
11°30' to 12°3' N Latitude
3. Total area : 2,18,130 hectares
4. Period of survey : May 1988 - May 1989
5. Type of Survey : Rapid reconnaissance survey
6. Base material : Survey of India toposheet  
1:50,000
7. Aerial extent under different erosion intensity mapping units.

*Area of Kabini  
Wynad in Karnataka*

Sl.No.	Erosion intensity mapping units	Area in hectares	Percentage
1.	A1	36315	17.1
2.	A2	15479	7.3
3.	A3	12243	5.7
4.	A4	4434	2.1
5.	A5	5941	2.8
6.	A6	16089	7.6
7.	B1	4428	2.1
8.	F	477	0.2
9.	G1	16293	7.7
10.	G2	20808	9.8
11.	G3	34306	16.1
12.	G4	6450	3.0
13.	P	32484	15.3
14.	R	476	0.2
15.	R1	1575	0.7
16.	R2	3027	1.4
17.	R3	132	0.1
18.	T1	604	0.3
19.	Misc. (Tanks & River)	1066	0.5
	<b>Total</b>	<b>212627</b>	<b>100.0</b>

### 9. Soil Erosion Hazard.

Sl.No. Erosion class	Area in hect.	Percentage
a. Slight	108491	51.0
b. Slight to moderate	42228	19.9
c. Moderate	21504	10.1
d. Severe	39338	18.5
e. Miscellaneous	1066	0.5
Total	212627	100.0

### 10. Statewise priority classification.

Sl. No.	Priority category	Silt yield index range	Total No. of sub-watersheds	Total area in hectares	Karnataka	Kerala	Statewise extent
1.	Very high	1250 & more	1	4644 (2.2%)	-	4644 (2.2%)	
2.	High	1150-1249	24	102375 (48.2%)	1425 (0.7%)	1,00950 (47.5%)	
3.	Medium	1050-1149	22	70059 (32.9%)	16863 (7.9%)	53196 (25.0%)	
4.	Low	950-1049	13	35549 (16.7%)	30769 (14.5%)	4780 (2.2%)	
5.	Very low	Less than 950	-	-	-	-	
	Total		60	212627	49057	1,63,570	
	Percentage			100%	23.1%	76.9%	

### 11. Salient features

- Out of 2,12,627 hectares surveyed for prioritization of sub watersheds 4644 (2.2%) hectares has been prioritized as very high while 102375 hectares (48.2%) as high.
- 4644 hectares priotized as very high falls in Kerala state. Out of 102375 hectares prioritized as high, only 1425 hectares falls in Karnataka State, while the remaining 100950 hectares falls in Kerala State.