

Demarcation of Priority subwatersheds  
in the catchment of Bhagirathi river,  
(Upper Ganga FPR catchment) Uttar  
Pradesh.

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A B S T R A C T

1. Survey area : Bhagirathi catchment(Uppar Ganga FPR) Uttar Pradesh.
2. Location : 30°10' to 30°30' N latitude and 78°10' to 79°15' longitudes
3. Total area : 717404 ha.
4. Period of survey : Oct.,1985 to Nov.,1985 and Nov.,1986 to Dec.,1986
5. Type of Survey : Rapid Reconnaissance Survey for Priority delineation.
6. Base Material : Survey of India Topographical maps on 1: 50,000 scale.

7. Run off potential mapping units and their extent:

<u>S.No.</u>	<u>Mapping Units</u>	<u>Area in ha.</u>	<u>Percentage</u>
1.	J	36653	5.1
2.	J1	4978	0.7
3.	J2	13891	1.9
4.	J3	41402	5.8
5.	J4	4403	0.6
6.	L	2680	0.4
7.	M	184114	25.7
8.	N	54856	7.6
9.	P	31000	4.3
10.	Q	3965	0.6
11.	R	227090	31.7
12.	S	41188	5.7
13.	S1	53947	7.5
14.	T	10885	1.5
15.	U	3756	0.5
16.	V	2394	0.3
17.	W	112	0.1
Total		717404	100.00

8. HYDROLOGIC DIVISION:

- (a) Catchment - Bhagirathi(Upper Ganga)(G)
- (b) Sub-catchment - 8(Gn,Gp,Gq,Gr,Gs,Gt,Gu,Gv)
- (c) Watersheds - 30
- (d) Subwatersheds -287

9. Distribution of area under different priorities.

S.No.	Priority category	Average potential runoff.	No. of subwater-sheds.	Area in ha.	Percentage
1.	Very high	75 and above	15	33332	4.7
2.	High	74-65	129	269107	37.5
3.	Medium	64-55	52	158337	22.1
4.	Low	54-50	72	189511	26.4
5.	Very low	49 and below	19	67117	9.3
Total			287	717404	100.0

10. Salient features:

1. Of the total area 33332 ha.(4.7%) fall under very high and 269107 ha.(37.5%) area under high priority category.
2. Of the total area 86046 ha(12%) area is under cultivation, 236630 ha(33.0%) area under forests and 72503 ha.(10.1%) under open scrub.
3. Of the total area wastelands cover 44.9 ha. area It includes 31.6% rocky mountain peaks and 13.3% snow covered land.