

(i)

Demarcation of priority subwatersheds in the catchment of Lower Gomati Below the confluence of Sarayan and Gomati Rivers, Barabanki, Faizabad Ghazipur, Hardoi, Jaunpur, Lucknow, Pratapgarh, Raibareli, Sitapur, Unnao and Varansi districts of Uttar Pradesh.

ABSTRACT

1. Survey area : Lower Gomati catchment below the confluence of Sarayan and Gomati Rivers (excluding Sai catchment)
2. Location : 25°28' to 27°30' North latitude and 80°5' to 83°10' east longitudes
3. Total area : 1138525 ha.
4. Period of Survey : April, 1981 to July, 1983
5. Type of Survey : Rapid Reconnaissance survey for priority delineation
6. Basic material : Survey of India topographical maps on 1:50,000 scale.
7. Runoff Potential mapping units and their extent.

S.No	Mapping unit	Area in ha.	Percentage
1.	A	26538	2.3
2.	B	1548	0.1
3.	C	600	N
4.	E	164702	14.5
5.	E1	96789	8.5
6.	E2	46149	4.1
7.	E3	18951	1.7
8.	E4	22461	2.0
9.	F	465785	40.9
10.	G	23701	2.1
11.	G1	8126	0.7
12.	G2	13512	1.2
13.	G3	74749	6.6
14.	G4	40100	3.5
15.	H	10875	1.0
16.	H1	225	N

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17.	H2	750	0.1
18.	K	2788	0.2
19.	K1	3988	0.3
20.	K2	75	N
21.	L	18237	1.6
22.	L1	11750	1.0
23.	L2	2150	0.2
24.	P	6451	0.6
25.	P1	14788	1.3
26.	R	51312	4.5
27.	R1	1025	0.1
28.	Habitation	10400	0.9

TOTAL	1138525	100.0
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8. HYDROLOGIC DIVISION

- (a) Catchment - Gonti (G)
- (b) Subcatchments - 9 (Ga, Gb, Gc, Gd, Ge, Gg, Gh, Gj and Gk)
- (c) Sub Watersheds - 49
- (d) Subwatersheds - 496

9. Distribution of area under different priorities.

Sl. No.	Priority category	Average potential runoff range	No. of subwater-shed.	Area in ha.	Percentage
1.	Very high	60 and above	59	98975	8.7
2.	High	50 to 59	129	279000	24.5
3.	Medium	40 to 49	144	363575	31.9
4.	Low	30 - 39	144 144	347000	30.5
5.	Very low	below 30	20	49975	4.4
TOTAL			496	1138525	100.0

10. Salient features :

- 1. Of the total area 98975 ha. (8.7%) area fall under very high and 279000 ha. (24.5%) under high priority category.
- 2. In land use, maximum 31.4% area is under cultivation followed by 10.6% under saline/alkali wasteland, 4.5% under Ravines, 1.9% under ponds, 1.1% under miscellaneous and 0.5 under forest.