

A B S T R A C T

REPORT ON THE DEMARCATION OF PRIORITY SUB-WATERSHEDS SAHIBI FLOOD PRONE RIVER CATCHMENT (BELOW DHANSA BANDH UP TO CONFLUENCE OF NAJAFGARH DRAIN WITH YAMUNA RIVER), SONIPAT; ROHTAK AND GURGAON DISTRICTS, HARYANA STATE AND DELHI UNION TERRITORY.

1. Survey Area : Sahibi FPR Catchment (below Dhansa Bandh upto confluence of Najafgarh drain with Yamuna River), Rohtak , Sonipat & Gurgaon district; Haryana state and Delhi Union Territory.
2. Location : 76°30' 77°15' E Longitudes & 28°15' - 29°N Latitudes.
3. Total Area : 2,82,900 hectares.
4. Period of Survey : May, 1979 to April, 1980.
5. Type of Survey: Rapid Reconnaissance survey for priority delineation.
6. Base Material: Survey of India topographical maps in the scale of 1:50,000
7. ^{potential} Runoff : Mapping Units and their extent.

Sl.No.	Mapping Units	Area(ha)	Percentage
1.	A	5301	1.9
2.	B	350	0.1
3.	C	2062	0.7
4.	D	50	Negligible
5.	E	111775	39.5
6.	F	3224	1.1
7.	G	5112	1.8
8.	H	2875	1.0
9.	J	475	0.2
10.	K	4425	1.6

1	2	3	4
11.	L	1600	0.6
12.	N	5634	2.0
13.	P	287	0.1
14.	R	86379	30.5
15.	S	21177	7.5
16.	T	3974	1.4
17.	T	3975	1.4
18.	T2	6000	2.1
	Habitation	17975	6.4
	Tank	250	0.1
Total		282900	100.0

8. Hydrologic division :

- (a) Catchment - Sahibi River below Dhansa Bandh.
- (b) Sub-catchments - 4 (Sa, Sb, Sc & Sg)
- (c) Watersheds - 16
- (d) Sub-watersheds - 145

9. State wise priority classification.

S.No	Priority Category	Runoff Potential Index Range	Haryana		Delhi		Total	
			No. of Sub-Water Sheds	Area ha. (%)	No. of Sub-water sheds	Area ha. (%)	No. of Sub-water-sheds	Area ha. (%)
1.	Very high	about 50	6	9500 (5.3)	8	8725 (8.3)	14	18225 (6.4)
2.	High	45-49	5	7150 (4.0)	4	7875 (7.5)	9	15025 (5.3)
3.	Medium	40-44	4	6625 (3.8)	2	4075 (3.9)	6	10700 (3.9)
4.	Low	30-39	77	154400 (86.9)	34	66575 (63.3)	111	220975 (78.1)
5.	Very Low	below 30	-	-	-	-	-	-
Total			92	177675 (100)	48	87250	264925 (93.7)	
Habitation			-	-	5	17975 (17.0)	5 17975 (6.3)	
G. Total			92	177675 (100)	53	105225 (100)	145 282900 (100)	