

REPORT ON PRIORITIZATION OF SUBWATERSHEDS IN MAHI (NON R.V.P.)
CATCHMENT BHARUCH, KHEDA, PANCHAMAHAL AND SABARKANTHA
DISTRICTS OF GUJARAT, JHABUA DISTRICT OF MADHYA PRADESH AND
DUNGARPUR DISTRICT OF RAJASTHAN STATE.

ABSTRACT

1. Surveyed Area : Mahi Non R.V.P. Catchment
2. Location : 21° 40' N to 23° 40' N, Latitude and
72° 30' E to 74° 20' E, Longitude
3. Total Area Surveyed and Mapped : 14,17839 ha.
4. Period of Survey : December-1994 to April-1996
5. Type of Survey : Rapid Reconnaissance Survey
6. Base Material : Survey of India Toposheets 1:50,000 Scale
7. Hydrologic Divisions : Catchment - 1 Mahi Non R.V.P.
Subcatchments - 3
Watersheds - 18
Subwatersheds - 362
8. Priority Categorization :

<u>SNo</u>	<u>Priority Category</u>	<u>Sediment Yield Index Range</u>	<u>Number of Subwatersheds</u>	<u>Area in ha.</u>	<u>Percentage</u>
1	Very High	1200 and above	14	48241	3.4
2	High	1100-1199	26	112731	7.9
3	Medium	1000-1099	65	252236	17.8
4	Low	900-999	95	358357	25.3
5	Very Low	Below 900	162	646274	45.6
Total			362	1417839	100.0

9. Extent of each mapping unit with percentage

Sl No	Erosion Intensity Mapping Units (E I MU)	Area in ha.	Percent
1	A1	25283	1.8
2	A2	51348	3.6
3	A3	13968	1.0
4	A5	146179	10.3
5	A6	44717	3.2
6	A7	42316	3.0
7	A8	11563	0.8
8	A9	37370	2.6
9	A10	11578	0.8
10	A11	119136	8.4
11	A12	52660	3.7
12	A13	158173	11.2
13	A14	7876	0.6
14	A15	2553	0.2
15	CA1	9040	0.6
16	CA2	19676	1.4
17	CA3	1437	0.1
18	CA4	5049	0.4
19	G2	3807	0.3
20	G3	6566	0.5
21	G4	6843	0.5
22	G5	5782	0.4
23	G6	14011	1.0
24	G7	10230	0.7
25	G8	31200	2.2
26	G9	37451	2.6
27	G10	14246	1.0
28	G11	14094	1.0
29	G12	1057	0.1
30	G13	25556	1.8

Sl No	Erosion Intensity Mapping Units (E I MU)	Area in ha.	Percent
31	P1	20736	1.5
32	P2	46424	3.3
33	P3	28671	2.0
34	P4	21476	1.5
35	P5	6102	0.4
36	P6	38954	2.7
37	P7	2715	0.2
38	P9	2599	0.2
39	P10	3715	0.3
40	P11	1911	0.1
41	P12	6347	0.4
42	P13	21755	1.5
43	P14	62094	4.4
44	P15	9581	0.7
45	P16	40984	2.9
46	P17	19024	1.3
47	P18	12507	0.9
48	P19	31007	2.2
49	P20	17630	1.2
50	P22	16301	1.1
51	MISC	76541	5.4
Total :		1417839	100.0