

**Report on Demarcation of Priority Watersheds (Re-prioritization)
in Matatilla RVP Catchment, Bhopal, Vidisha, Sehore, Raisen,
Sagar, Guna, Datia, Shivpuri Districts Madhya Pradesh and
Lalitpur District Uttar Pradesh**

ABSTRACT

Appendix

<p>1. Study Area and its Location</p>	<p>Matatilla RVP Catchment of Betwa River of Yamuna Basin) of Bhopal, Vidisha, Sehore, Raisen, Sagar, Guna, Datia, Shivpuri Districts Madhya Pradesh and Lalitpur District Uttar Pradesh</p> <p align="right"><i>Loj</i></p>
<p>2. Survey Type</p>	<p>Priority Delineation Survey using Remote Sensing and GIS Techniques.</p>
<p>3. Period of Field Survey Generation of Data Base & GIS Analysis work</p>	<p>November, 1994 to January, 1995 March, 1995 to January, 1996</p>
<p>4. Mapping Scale</p>	<p>1:50,000 Based on SOI topographical sheets</p>
<p>5. Geographical area & extent</p>	<p>20,47,921 Ha</p> <p>77° 07' E to 78° 45' E 22° 50' N to 25° 09' N</p>
<p>6. Agro Climatic Zone N8D2</p>	<p>Semi Arid to Sub Humid</p> <p>Area is part of Plain/Central High lands Alluvium derived soils growing period 90-150 days</p>
<p>7. Satellite data</p>	<p>IRS-1B (LISS-II), FCC Geocoded sub-scenes Corresponding with SOI topographical Sheet No. 54H08, 54H10-16, 54K04, 54K08, 54L01-08, 54L11-12, 55E03-16, 55F05, 55F09, 55F13, 55I01-03, 55I05-07, 55I09 and 55I11 as base material</p>
<p>8. Hydrological identification As per Watershed Atlas of India</p>	<p>Matatilla R.V.P. Catchment</p> <p>Region No. 2 Basin No. 2C Catchment 2C2 Sub-catchments 2C2F,G and H Watersheds 2C2F2-7 2C2G1-8 2C2H1-9</p>

Micro-watershed Priority			
Priority Category	No. of Micro-Watersheds	Area (Ha)	Area (%)
Very High	2765	540418	26.39
High	2329	402569	19.66
Medium	1906	290364	14.18
Low	1856	297451	14.52
Very Low	3047	517119	25.25
TOTAL	11903	2047921	100.00

Major Mapping unit and their extent in percentage (%)

S.No.	Mapping Unit	Total Area (%)
1	A01	0.07
2	A02	1.53
3	A03	4.24
4	A04	2.74
5	A05	12.57
6	A06	0.08
7	B01	0.56
8	B02	1.19
9	B03	1.72
10	B04	1.17
11	B05	2.24
12	B06	1.90
13	B07	2.57
14	B08	9.50
15	B09	24.11
16	B10	10.62
17	G01	0.17
18	G02	0.24
19	G03	0.38
20	G04	0.66

S.No.	Mapping Unit	Total Area (%)
21	G05	2.00
22	G06	0.58
23	G07	3.65
24	S01	1.31
25	S10	0.31
26	S11	0.52
27	S12	0.16
28	S02	1.54
29	S03	0.77
30	S04	0.57
31	S05	3.32
32	S06	1.89
33	S07	1.05
34	S08	0.79
35	S09	0.79
36	RI	0.69
37	RE	0.93
38	TK	0.33
39	HA	0.54
	TOTAL	100.00

Salient Features

- Out of the total surveyed area 2,765 micro-watersheds have been categorized as very high priority covering an area of 5,40,418 ha (26.39%) and 2,329 micro-watersheds have been categorized as high priority covering an area of 4,02,569 ha (19.66%).
- ~~Distribution of priority area under different districts i.e.~~ Vidisha 4,07,107 ha, Guna 1,60,039 ha, Raisen 1,39,803 ha, Sagar 1,19,117 ha, Bhopal 1,13,246 ha, Lalitpur 2,052 ha and Shivpuri 1,623 ha. *district covers most of rural area follow by*
- Out of the total catchment area, 21.23% under Alluvial landscape, 55.58% under Basalt landscape, 13.02% under Sandstone/schist landscape and 7.68% under Granite landscape. *13*
- Nearly 1.95% of the total area is under waterbodies in various ways i.e. river, tanks reservoirs and 0.54% of the total area is under habitats. *29*