

Report on

Detailed soil survey and Land Use of Gj2m, Gj2n, Gk4k, Gk4j, Gk4n, Gk4l, Gk5a, Gk5c, Gk5g, Gplc, Gplf, Gp2b, Gq1a, Gq1b, Gq2a and Gq2f. subwatersheds Chambal R.V.P. Catchment (above Gandhi Sagardam) Tehsil Tarana, Ghatia and Ujjain Sadar of Ujjain district and Dewas tehsil of District Dewas Madhya Pradesh.

A B S T R A C T

Survey area- Gj2m, Gj2n, Gk4a, Gk4j, Gk4n, Gk4l, Gk5a, Gk5c, Gk5g, Gplc, Gplf, Gp2b, Gq1a, Gq1b, Gq2a and Gq2f subwatershed, Chambal R.V.P. Catchment (above Gandhi Sagar dam) Tehsil Tarana, Ghatia and Ujjain Sadar of district Ujjain and Dewas tehsil of district Dewas, Madhya Pradesh.

2. Total area:- 30351 ha.
3(a) Kind of survey:- Detailed soil survey.
(b) Period of survey:- Dec. 1990 to May 1991
Dec. 1991 to June 1992

4. Soil series mapped with their extent

<u>1. Soil Series</u>	<u>Area in ha.</u>	<u>Percentage</u>
1. Antralia	3101	10.3
2. Baloda	12697	41.9
3. Jagga Kheri	685	2.2
4. Kamlia Kheri	3110	10.3
5. Panchdaria	78	0.2
6. Runeja	842	2.7
7. Sarol	5500	18.1
8. Misc. Land	2202	7.3
9. Gullied land	2136	7.0
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G.Total	30351	100%
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5. Land Capability classification

	<u>Land Capability</u>	<u>Area in ha.</u>	<u>Soil Series</u>
1.	II	15101	Antralia, Baloda, Sarol Jaggakheri.
2.	III	7648	Antralia, Baloda, Sarol, Jaggakheri, Kamliakheri.
3.	IV	2344	Antralia, Jaggakheri, Kamliakheri.
4.	VI	920	Panchdaria, Runeja.
5.	Misc. Land.	2202	-
6.	Gullied Land	2136	-
	G.Total	30351 ha.	

Salient features:-

1. An area of 4864 ha. (16%) suffers from severe erosion and 19552 ha. (64.5%) from moderate erosion hazard.
2. Four soil series Baloda (41.9%) Sarol (18.1%) Kamliakheri (10.3%) and Antralia (10.3%) are extensive in the survey area.
3. Antralia soil series covers 3101 ha. (10.3%) of the total surveyed area; suffers from moderate to severe erosion and needs immediate attention.
4. The gullied area covers 2136 ha. (7.0%) of the total surveyed area needs special attention for reclamation and wild life etc.