

(i)

Detailed soil survey and Land use of Gh2c, Gh2d, Gh2f and Gh2g subwatersheds of Chhoti Kali Sindh River, Chambal R.V.P. Catchment Tehsil. Mehidpur and Tarana. District Ujjain. Madhya Pradesh.

A B S T R A C T

1. Surreved area : Gh2c, Gh2d, Gh2f and Gh2g sub-watersheds Chhoti Kali Sindh River, Chambal R.V.P. Catchment, Tehsil. Mehidpur and Tarana District Ujjain Madhya Pradesh.
2. Total area surveyed : 12417 ha.
3. Period of Survey may be indicated : Dec. 1989 to April, 90

Soil series mapped and area covered by each series.

S.No.	Soil series	Area ha.	Percentage
1.	Antralia	642	5.2
2.	Baloda	3161	25.5
3.	Harsaur	631	5.0
4.	JaggaKheri	3606	29.0
5.	Kamalia Kheri	1658	13.4
6.	Runeja	844	6.8
7.	Sarol	877	7.0
	Miscellaneous	998	8.1

Grand total 12417 100.0

Land Capability classes:

A ARABLE Lands

Land capability classes	Soil Series	Area(ha.)	Percentage
II	Antralia, Baloda, JaggaKheri Sarol	6234	50-2
III	Antralia, Baloda Harsaur, JaggaKheri, KamaliaKheri.	3030	24.4
IV	Antralia, Har- saur, Jagga- kheri, Kamalia- Kheri.	1311	10.5

Sub-total 10575 ha.

(ii)

(B) Non-arable lands.

VI	Runeja	844.6.8
Miscellaneous lands and river ets.		998.8.1
Total		12417=100.0

Area under different erosion phases.

<u>Erosion classes</u>	<u>Area in ha.</u>	<u>Percentage</u>
1. Slight	1308	10.6
2. Moderate	7909	63.6
3. Severe	2202	17.7
Miscellaneous land	998	8.1
Total	12417	100.0

(iii)

Salient features.

- Out of total area of 12417 ha.
(85.1%) is suitable for agriculture.
- (b) 844 ha. (6.8%) is under very shallow to shallow soils and require good forest ranges. and grass management.
- (c) 2202 ha. (17.7%) suffers from severe erosion.
- (d) 998 ha. (8.1%) of the total area is under Misc. lands which includes habitations tank river etc. The gullied area needs special attention for reclamation.