

A B S T R A C T

1. Survey area :- Mf1, Mf2, Mf3 and Mf4a (Betwa Nadi), Mg1c, Mg1d (Kethan nadi) sub-watersheds, Matatilla catchment Tehsil Mungaoli, Distt: Guna, Madhya Pradesh.
2. Total area : 21187 ha.
3. a. Kind of Survey : Detailed Soil Survey
- b. Period of Survey : November 1974 to March 1975
5. Soil series mapped and area covered by each series.

S.No.	Soil Series	Area in ha.	Percentage
1.	Antralia	306	1.4
2.	Baloda	496	2.3
3.	Bilharu	76	0.4
4.	Fatehpur	260	1.2
5.	Jagga Khodi	912	4.3
6.	Kanlia Kheri	554	2.6
7.	Malhar garh	6698	31.6
8.	Panchdaria	2073	9.8
9.	Sarol	8730	41.3
10.	Sonakhedi	344	1.6
11.	Tilla	313	1.5
12.	Soil complex	196	0.9
13.	Misc. Land	229	1.1
<b>Total</b>		<b>21187</b>	<b>1 00</b>

5. Soil and land classification for agricultural and non-agricultural purposes.

Land Capability classification	Land capability unit	Area in ha.	Series
5-1 Good arable land, minor limitation.	IIe-1	1 87	Antralia, Fatehpur, Sonakhedi.
	IIes-1	9166	Sarol, Baloda, Jagga-Khedi, Tilla
5-2 Moderately good land, Moderate limitation	II s-1	460	Sarol
	III e-1	246	Sonakhedi
	IIIes-1	599	Sarol, Baloda (Complex)
	IIIes-2	226	Sarol, Baloda
5-3 Marginal lands, major limitation	IIIes-3	534	Kanlia Kheri
	IV e-1	673	Antralia, Fatehpur, Antralia-Sarol, Sarol-Fatehpur (Complex)

