

Mb2f, Detailed Soil and Watershed Survey of Subwatersheds of Sahibi Catchment, Tehsils Mandawar and Kishangarh, District Alwar (Raj.)

A B S T R A C T

1. Surveyed Area : Mb2f, Mb2h, Mb2j & Mb2k sub-watersheds, Sahibi Catchment, Tehsils Mandawar and Kishangarh, Distt. Alwar, Rajasthan.
2. Total area surveyed : 8225 Hac.
3. Types of survey : Detailed Soil Survey
4. Period of survey : Nov. 84 to March, 1985
5. Soil Series mapped and area covered under each series

S. No.	Name of the Soil Series	Total area in Hac (%)	Mb2f	Mb2h	Mb2j	Mb2k
1.	Baliawas	3818 (46.4)	1769 (75.3)	1131 (65.6)	212 (12.4)	706 (28.8)
2.	Gujarwas	170 (2.1)	157 (6.7)	13 (0.8)	-	-
3.	Jawanpura	50 (0.6)	19 (0.8)	6 (0.3)	25 (1.5)	
4.	Kakrala	764 (9.3)	38 (1.6)	381 (22.1)	251 (14.8)	94 (3.8)
5.	Lukhi	550 (6.7)	-	-	175 (10.3)	375 (15.3)
6.	Roopwas	1154 (14.0)	155 (6.6)	118 (6.8)	581 (34.2)	300 (12.2)
7.	Ravineus land	1469 (17.9)	112 (4.8)	51 (3.0)	381 (22.4)	925 (37.9)
8.	Habitation (Misc.)	250 (3.0)	100 (4.2)	25 (1.4)	75 (4.4)	50 (2.0)
Total		8225	2350	1725	1700	2450

Land capability classes with area under each series

Sl.No.	Capability Class	Area in ha.	Soil Series
<u>I. Arable Land</u>			
1.	II	3075	Balyawas Gujarwas Lukhi
2.	III	1294	Balyawas Gujarwas Lukhi Jawanpura
3.	IV	983	Balyawas Jawanpura Kakrala
Sub Total		5352	
<u>II Non Arable Land</u>			
1.	VII	2630	Poopwas Ravinous land
Sub Total		2630	
Miscellaneous Land		250	
Grand Total		8225	

Area under different erosion phases

<u>Erosion Class</u>	<u>Area in ha.</u>	<u>Percentage</u>
1. Non to slight	419	5.1
2. Moderate	4520	54.9
3. Severe	1567	19.0
4. Very severe ravinous land	1469	17.9
5. Habitation	250	3.0
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Total	8225	100.0
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Salient features and specific problems

Nearly 5352 Hacters (65.1%) of the total area is culturable arable lands.

About 2623 hactur (31.9%) of the total area is suitable for grass land and Forestry.

Erosion is a major problem only 5.1% of the land is protected from erosion.

About 35.5 percent area suffers from severe erosion and needs immediate Soil Conservation measures.