

Report on Detailed Soil Survey and Land Use of 2D2A4f, 2D2A4f ' 2D2A4k, 2D2A4k ', 2D2A6b, 2D2A6f ', and 2D2A6n ' Sub-watersheds of Morel (2D2A) Sub-catchment of Banas (2D2) FPR Catchment in Tehsils Bonli, Chauth-Ka-Barwara and Malarna Dungar of District Sawai Madhopur, Tehsil Chautha-Ka of District Jaipur and Tehsil Niwai of District Tonk, Rajasthan State

ABSTRACT

- **Survey Area** : Report on Detailed Soil Survey and Land Use of 2D2A4f, 2D2A4f' 2D2A4k, 2D2A4k', 2D2A6b, 2D2A6f', and 2D2A6n' sub-watersheds of Morel (2D2A) Sub-catchment of Banas (2D2) FPR Catchment in Tehsils Bonli, Chauthka Barwara and Malarna Dungar of District Sawai Madhopur, Tehsil Chaksu of District Jaipur and Tehsil Niwai of District Tonk, Rajasthan State
- **Period of Survey** : December, 2001 to April, 2002
- **Kind of Survey** : Detailed Soil Survey
- **Total Area Surveyed** : 25,540 ha
- **Agro-Climatic Zone** : Semi Arid
- **Soil Series Mapped and Their Extent :**

Sl. No.	Soil Series	Area (ha)	Percentage
1.	Amawara (AR)	2287	9.0
2.	Baliawas (B)	6232	24.4
3.	Haripura (HR)	2323	9.1
4.	Isroda (I)	489	1.9
5.	Jiwad (JD)	1382	5.4
6.	Motipura (MP)	341	1.3
7.	Piplait (PT)	4004	15.7
8.	Roopwas (R)	74	0.3
9.	Safipura (SP)	3962	15.5
10.	Tapar (TR)	1459	5.7
11.	Tizara (T)	1385	5.4
	Total	23938	93.7
	Miscellaneous area	1602	6.3
	Grand Total	25540	100.0

6. Land Capability Classes:

Sl. No.	Land Capability Class	Soil Series	Area (ha)	Percentage
A.	Arable Lands			
	II	Amawara, Baliawas, Haripura, Jiwad, Motipura, Safipura, Tapar and Tizara	13507	52.9
	III	Amawara, Baliawas, Haripura, Motipura, Piplait and Tizara	4524	17.7
	IV	Amawara, Isroda, Piplait, Tapar and Tizara	4824	18.9
	Sub-Total		22855	89.5
B.	Non-arable lands			
	VI	Piplait, Roopwas	1034	4.0
	VII	Roopwas	49	0.2
	Sub-Total		1083	4.2
C.	Miscellaneous lands		1602	6.3
	Grand -Total		25540	100.00

➤ Salient Features

- ⇒ 5.4 % of the total area has nil to slight erosion.
- ⇒ Most of the area (65.5%) is subjected to moderate erosion.
- ⇒ 18.9% area is affected by severe erosion while 3.9% suffers from very severe erosion.
- ⇒ 6.3% of the total area is put under miscellaneous use like, orchards, habitation, river/nala, canal and tank etc.
- ⇒ 1.9% area of the total area is sandy
- ⇒ 3.9% of the total area is ravinous.