

**Report on Detailed Soil Survey and Land-use of Gq1c, Gq1f, Gq1j, Gq1k, Gq1m, Gq1n, Gq1p, Gq1q, Gq1r, Gq1u, Gq4a, Gq4b and Gq5a Sub-watersheds of Sai Sub-catchment, (Part of Gomti FPR catchment) of Tehsil Patti of Pratapgarh and Machhali Shahar, Sadar and Madiyahu Tehsils of Jaunpur District, Uttar Pradesh.**

**ABSTRACT**

1. **Surveyed Area** : Gq1c, Gq1f, Gq1j, Gq1k, Gq1m, Gq1n, Gq1p, Gq1q, Gq1r, Gq1u, Gq4a, Gq4b and Gq5a Sub-watersheds of Sai Sub-catchment, (Part of Gomti FPR catchment) of Tehsil Patti of Pratapgarh and Machhali Shahar, Sadar and Madiyahu Tehsils of Jaunpur District, Uttar Pradesh.
2. **Total Area** : 24,529 ha
3. **Kind of Survey** : Detailed Soil Survey
4. **Period of Survey** : December, 1998 to July, 1999
5. a) **Location Geographical Location** : 82°- 0'to 82°-45' E Longitude  
25°- 37' to 25°-53' N Latitude
- b) **Agro-ecological Zone** : Northern Plain, Hot Semi-arid eco-region alluvial derived soils and G.P. 90 -150 days

**6. Soil Series Mapped Under Different Sub-watersheds:**

Sl. No.	Name of the Soil Series	Area in ha	Percentage
1.	Asodar (A)	1647	6.7
2.	Banwan (BN)	1953	8.0
3.	Hamirpur (H)	7999	32.6
4.	Jairampur (J)	1718	7.0
5.	Kanayatpur (K)	549	2.2
6.	Malhera (MR)	825	3.4
7.	Matiyahi (MT)	182	0.7
8.	Prem-Ka-Pura (PP)	2632	10.7
9.	Rahimabad (R)	507	2.1
10.	Salimpur (S)	2209	9.0
11.	Usipur (U)	2644	10.8
	<b>Sub-total</b>	<b>22865</b>	<b>93.2</b>
i.	Waterlogged	136	0.6
ii.	Water body	572	2.3
iii.	Habitation & Roads	849	3.5
iv.	Miscellaneous	107	0.4
	<b>Sub- total</b>	<b>1664</b>	<b>6.8</b>
	<b>Grand total</b>	<b>24529</b>	<b>100</b>

## 7. Area Under Different Land Capability Classes

Sl. No.	Land Capability class	Area in ha	Percentage
<b>A. Arable Lands</b>			
1.	II	14942	60.8
2.	III	3609	14.8
3.	IV	3307	13.5
	<b>Sub - total</b>	21858	89.1
<b>B. Non - Arable Land</b>			
4	VI	1007	4.1
	<b>Sub - total</b>	22865	93.2
<b>C. Miscellaneous Land</b>			
5.	Miscellaneous area	1664	6.8
	<b>Total</b>	24529	100

## 8. Area under Different Land Capability Units

S. o.	Land Capability Class	Total Area (ha)	Percentage	Soil Series Name
1.	II-1	2170	8.8	Asodar, Hamirpur
2.	II-2	6727	27.4	Asodar, Banwan, Hamirpur, Usipur
3.	II-e1	4787	19.5	Asodar, Banwan, Hamirpur, Kanayatpur, Salimpur, Usipur
4.	II-e2	1258	5.1	Jairampur
	<b>Sub Total</b>	<b>14942</b>	<b>60.8</b>	-
5.	III-e1	2448	10.0	Jairampur, Kanayatpur, Salimpur, Usipur
6.	III-es-1	654	2.7	Prem-Ka-Pura
7.	III-w1	507	2.1	Rahimbad
	<b>Sub-Total</b>	<b>3609</b>	<b>14.8</b>	
8.	IV-e1	990	4.0	Salimpur, Usipur
9.	IV-e2	269	1.1	Salimpur
10.	IV-es1	1192	4.9	Prem-Ka-Pura
11.	IV-es-2	856	3.5	Prem-Ka-Pura
	<b>Sub -Total</b>	<b>3307</b>	<b>13.5</b>	
12.	VI-sw1	413	1.7	Malhera, Matiyahi
13.	VI-sew1	558	2.3	Malhera, Matiyahi
14.	VI-sew2	36	0.1	Matiyahi
	<b>Sub-total</b>	<b>1007</b>	<b>4.1</b>	-
	<b>Grand - Total</b>	<b>22865</b>	<b>93.2</b>	-

