

Report on Detailed Soil and Land Use Survey of Gk3h, Gk7a, Gk7d, Gk9b and Gk9d Sub-Watersheds, Upper Gomti falling under Tehsils Mishrikh and Sitapur of Distt. SITAPUR (UP) and Gx2k, Gx2n, Gy1f and Gy1q Sub-Watersheds of Sai Nadi Catchment, Gomti Catchment falling under Tehsil Hasan Ganj, Distt. Unao (UP).

ABSTRACT

1. Survey Area
Gk3h, Gk7a, Gk7d, Gk9b and Gk9d Sub-Watersheds of Tehsils Mishrikh, Tehsil Sitapur of Distt: SITAPUR (UP) and Gx2k, Gx2n, Gy1f and Gy1q Sub-Watersheds of Tehsil Hasan Ganj, Distt. Unao (UP).
2. Total Area 13791 + 7673 = 21464 ha.
3. Kind of survey Detailed Soil Survey
4. Period of Survey January, 1993 to July, 1993
5. Location :
1st area 27⁰-28' to 27⁰-50' N latitude
80⁰-29' to 88⁰-44' E longitude
2nd area 26⁰-45' to 26⁰-55' N latitude
80⁰-28' to 80⁰-41' E longitude

8. Soil Series mapped and their extent under different Sub-watersheds.

Name of the soil series	Sub-watersheds									Total Area	Percentage
	Gk3h	Gk7a	Gk7d	Gk9b	Gk9d	Gx2k	Gx2n	Gy1f	Gy1q		
1. Asodar	--	592	--	--	--	--	--	--	--	592	2.8
2. Bari	--	44	4	228	112	--	--	--	190	576	2.7
3. Gangapur	--	248	336	--	--	--	--	--	--	582	2.7
4. Hamirpur	--	2040	812	1436	622	--	--	791	1192	6893	32.1
5. Jairampur	--	--	--	--	94	--	--	66	33	193	0.9
6. Jehta	--	--	--	--	--	--	--	--	153	153	0.7
7. Mishripur	143	--	--	15	20	495	1370	13	--	2056	9.6
8. Nagwa Mau	1633	--	--	1541	965	933	1101	--	183	6356	29.8
9. Rahimabad	596	72	60	221	206	15	146	225	67	1608	7.5
10. Salampur	--	313	80	217	90	--	--	--	--	700	3.3
Sub-total	2372	3307	1292	3658	2109	1443	2617	1095	1818	19709	91.9
11. Misc. land	85	262	48	159	56	62	174	107	99	1032	4.8
12. Tanks	132	70	22	42	14	23	41	28	44	416	1.9
13. Canals	32	9	6	18	9	17	24	11	5	131	0.6
14. River/Hala	2	27	11	48	25	8	13	20	24	176	0.8
Sub-total	231	368	87	265	104	110	252	166	172	1755	8.1
Grand-total	2603	3675	1379	3921	2213	1553	2869	1261	1990	21464	100.0

1. Soil series mapped and their extents in Gk3h, Gk7a, Gk7d, Gk9b, Gk9d, Gx2k, Gx2n, Gy1f and Gy1q Sub-Watersheds in Gomti and Sai Nadi Catchment under District Sitapur and Unao (UP).

S.No.	Name of the series	Total area in ha.	Percentage (%)
1.	Asodar	592	2.8
2.	Bari	576	2.7
3.	Gangapur	582	2.7
4.	Hamirpur	6893	32.1
5.	Jairampur	193	0.9
6.	Jehta	153	0.7
7.	Mishripur	2056	9.6
8.	Nagwa Mau	6356	29.6
9.	Rahima Bad	1608	7.5
10.	Salimpur	700	3.3
	Sub-total	19709	91.9
11.	Misc. land	1032	4.8
12.	Tank	416	1.9
13.	Canal	131	0.6
14.	River & Nala	176	0.8
	Sub-total	1755	8.1
	Grand Total	21464	100.0

7.A. Soil series mapped and their extents in Gk3h, Gk7a, Gk7d, Gk9b and Gk9d Sub-Watersheds falling under District Sitapur (UP).

S.No.	Name of the series	Total area in ha.	Percentage (%)
1.	Asodar	592	4.3
2.	Bari	386	2.8
3.	Gangapur	582	4.2
4.	Hamirpur	4910	35.6
5.	Jairampur	94	0.7
6.	Mishripur	178	1.3
7.	Nagwa Mau	4139	30.0
8.	Rahima Bad	1155	8.4
9.	Salimpur	700	5.1
Sub-total		12736	92.4
10.	Misc. land	590	4.3
11.	Tank	280	2.0
12.	Canal	74	0.5
13.	River & Nala	111	0.8
Sub-total		1055	7.6
Grand Total		13791	100.0

8. Salient features and specific problems of Gk3h, Gk7a, Gk7d, Gk9b, Gk9d, Gx2k, Gx2n, Gy1f and Gy1g Sub-Watersheds falling under Gomti and Sai Nadi Catchment in Districts Sitapur and Unao (UP).

- a) Out of the total area of 21464 ha., only 19709 (91.9%) is found to be suitable for agriculture.
- b) About 2638 ha. (12.3%) area is found to be affected by salinity and alkalinity which needs proper reclamation measures for sustained use for agriculture purposes.
- c) Nearly 700 ha. (3.3%) of the total area falls under undulating landscape and suffers from moderate to severe erosion.