

## Report on

Detailed Soil Survey and Land Use of Part of Reth Nadi Gh2b,2c,3b,3j,3q,3r,3t,3u,3v and Gh4w subwatersheds) Kukrail Nadi(Gk1j,Gk1p,1q,1r subwatersheds) Asaina Nala (Gk1c,1f subwatersheds) Lohsani Nala (Gh4a) Loni Nala(Gj3b) Jhilingi Nala(Gk7b) and Gomti (Gk1a,1b,1c,1g,2a,2b,2q subwatersheds) Tehsils Mahan Lal Ganj Lucknow and Maliha Bad of Distt. Lucknow, Tehsils Nawab Ganj, Fatehpur of Distt. Bara Banki and Tehsil Sidhavli of Distt. Sitapur (U.P)

### A B S T R A C T

1. Survey Area : Part of Reth Nadi, Kukrail Nadi, Asaina Nala, Lohsani Nala, Loni Nala, Jhilingi Nala and Gomti direct drainage, Tehsils Mahan Lal Ganj, Lucknow, Maliha Bad, Distt. Lucknow, Tehsils Nawab Ganj, Fatehpur, Distt. Bara Banki, Tehsil Sidhavli Distt. Sitapur (U.P)
2. Total area : 56,115 ha.
3. Kind of survey : Detailed Soil Survey
4. Period of Survey: January 1988 to March 1988 and December 1988 to April 1989
5. Location : 26°-43' to 27°-11' N Latitudes  
80°-43' to 81°-14' E Longitudes
6. Climatic Zone : Upper Gangetic Plain Region

7. Soil Series mapped and their extent:

S.No.	Name of the series	Total Area in ha.	Percentage
1.	Asodar	1790	3.2
2.	Bari	662	1.2
3.	Bharwan Khurd	327	0.6
4.	Bhitouli	300	0.5
5.	Hamirpur	16954	30.2
6.	Jairampur	6550	11.7
7.	<b>Jeha</b>	740	1.3
8.	Kankra Bad	878	1.6
9.	Mishripur	6638	11.8
10.	Mohsand	3196	5.7
11.	<b>Nagwa</b> mau	8298	14.8
12.	Nemi Sharayan	990	1.8
13.	Rahimabad	477	0.8
14.	Salimpur	994	1.8
15.	Teergaon	578	1.0
SUBTOTAL		49372	88.0
16.	Gullied land	114	0.2
17.	Waterlogged	309	0.6
18.	Waterbodies	2043	3.6
19.	Misc.Land	4277	7.6
SUBTOTAL		6743	12.0
GRANDTOTAL		56,115	100%

8. Salient feature and specific problems:
- a. Out of the total area of 56115 ha. only 42734 ha. (76.2%) is found to be suitable for agriculture.
  - b. Nearly 9.0% of the total area falls under undulating landscape and suffers from moderate to severe erosion.
  - c. About 2772 ha. (5.0%) area is under severely eroded land.
  - d. About 6638 ha. (11.8%) area found to be affected by solinity and alkalinity which needs reclamation measures for sustained use for agricultural purposes.
  - e. About 3196 ha. (5.7%) area has been reclaimed and area under paddy crop cultivation