

Uttar Pradesh Water Sector Restructuring Project

Year of Starting:2001

Year of Completion: 2002

Funding Agency & Funds Received: The World Bank through U.P. Irrigation Department.

Objectives: Base line data generation for land, water, soil and related aspects.

Study Area:

- Bahraich Distributary Basin (Part of Bahraich district)
- Nagapur Distributary Basin (Part of Pratapgarh & Sultanpur district)

Data Used:

- IRS-1A, 1B, 1C visual and digital data
- Survey of India toposheet
- Field survey data on soil, surface and groundwater.
- Various spatial and non-spatial data available with various line departments

Salient Results: The project envisages generation of base line data with respect to natural resources viz; water (surface and groundwater),. landuse/land cover, soil through remote sensing studies as also other base line data in spatial and non-spatial form such as Irrigation, Agriculture, Socio-cultural and ecological resources from other sources in Bahraich Distributary basin of Imamganj Branch (Saryu canal system) and Nagapur Distributary basin of Jaunpur Branch (Sharda Sahayak system). The data on above natural resources available with various other department is converted in GIS compatible spatial /non-spatial format. Month-wise time series data on wetlands and water logged areas is generated for alternate years from 1990-2000. The water quality data for surface and groundwater and soil sampling and analysis data through extensive field work and subsequent analysis is also being created. The above data base generated will be utilized for GIS analysis which ultimately will lead to environmental assessment of available natural resources in order to develop environmental protection concept into design, construction, operation and maintenance of irrigation, and drainage system. The major part of database creation is completed and draft report has since been prepared.

Project Personnel: Dr. Anil Kumar (from FRED)