

## **Assessment of Water Inundated Areas in Sultanpur and Barabanki District due to Floods in Gomti River**

**Year of Starting:** 1985

**Year of Completion:** 1985

**Funding Agency & Funds Received:** In-house plan project.

### **Objectives:**

- To assess and delineate aerial extent of water inundated areas in Barabanki and Sultanpur district due to flood in Gomti river during September - October 1985.
- To identify villages actually inundated by flood water.

**Study Area:** Sultanpur and Barabanki districts

**Data Used:** Landsat MSS images of October 2, 1985.

**Salient Results:** It has been possible to successfully map flood affected areas. Following results were obtained -

- 119.15 sq. km. and 270.33 sq. km. areas were found to be inundated in Barabanki and Sultanpur districts respectively, as on October 2, 1985.
- 81 villages in Barabanki and 258 villages in Sultanpur district were affected by flood water.

**Report No. :**RSAC:WRD:88:02

**Recommendation/Special Achievements:** For the first time, village actually inundated by flood water were identified using real time satellite images. The results of the study matched quit well with the report provided by Irrigation Dept. of U.P. The study helped in providing relief to the effected people.

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