

Flood Plain Mapping of River Ganga Between Raoli and Narora Using Mutli Temporal Satellite Data

Anil Kumar and Tanveer Ahmad

ABSTRACT

Floodplains of the rivers are extensively cultivated and densely populated. Because of the ever increasing human interference in the floodplains, many changes have been taking place in the flood-plains. Monitoring of such changes has become an easy task with the availability of temporal satellite data. In this study flood plain mapping of river Ganga between Raoli and Narora was taken up using temporal satellite data at 1:25,000 scale in false colour mode. The Landsat MSS and TM imagery were visually interpreted to map various flood plain characteristics. The analysis of the data with an interval of three years i.e. 1981, 1984 and 1987 was done to detect the changes that have taken place in the flood plain of the river during the period 1981-84 and 1981-87.