

## **WATERSHED PRIORITIZATION OF RAIMBIARA CATCHMENTS OF JHELUM BASIN USING GEOINFORMATICS**

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### **ABSTRACT**

Watershed characteristics of a basin represent its physical and morphological attributes that are employed in synthesizing its hydrological response. The calculation of important watershed parameters (size, shape, slope, drainage density, stream frequency, infiltration number, length of overland flow etc) through conventional means is tedious, time consuming and often impractical in remote inaccessible regions. Methodology based on GIS is eminently suited for prioritizing watershed and their optimum location for taking up soil conservation programmes and locating water harvesting structures. Accordingly prioritization of nine water sheds of Rambiara catchment of Jhelum basin has been done and categorized into three zones i.e high priority zone, medium priority zone and low priority zone. Amongst the watershed categorized in high priority zone the management of one of the watershed has been proposed for technical treatment.