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**Topic of Research:** Management of Wetlands in Tons-Ghaghara Interfluve of Uttar Pradesh.

### **Findings**

**Summary of Abstract:** The Tons-Ghaghara interfluve region of Uttar Pradesh's wetland mapping from 1980 to 2020 served as the study's foundation. The study's primary goals are to catalogue the region's wetlands (natural or artificial), analyze sediment yield in subbasin areas, estimate the potential zone for groundwater, analyze the physio-chemical makeup of a few selected wetlands (surface and subterranean), and determine management methods for the area's wetlands. Wetlands have been an important part of India's geography since ancient times, providing a key source of food, revenue, and leisure. Between 1980 and 2020, they saw a significant reduction, decreasing between 12.57 and 30.74 percent. The 2.25-hectare category saw the highest loss of wetland area and number, and the reduction was most noticeable between 1980 and 1990. Urbanization and its associated issues, such as waterlogging, were the primary cause of this reduction in wetlands, with 80% of the Darwan Wetland gone since. Due to inadequate groundwater potential, low water quality, and rapid degradation brought on by agricultural activity and untreated wastewater, the remaining wetlands aren't doing much better either.

By collaborating with NGOs, local communities, and public-private partnerships to develop solutions, such as restoring wetlands and expanding water and land use, the government needs to become more actively involved in addressing these issues. Government programmes to protect large areas of land can be beneficial, but they must be supported by measures to protect smaller wetlands. In addition, precautions against encroachments and non-point source pollution should be implemented, and any revival should include community engagement.