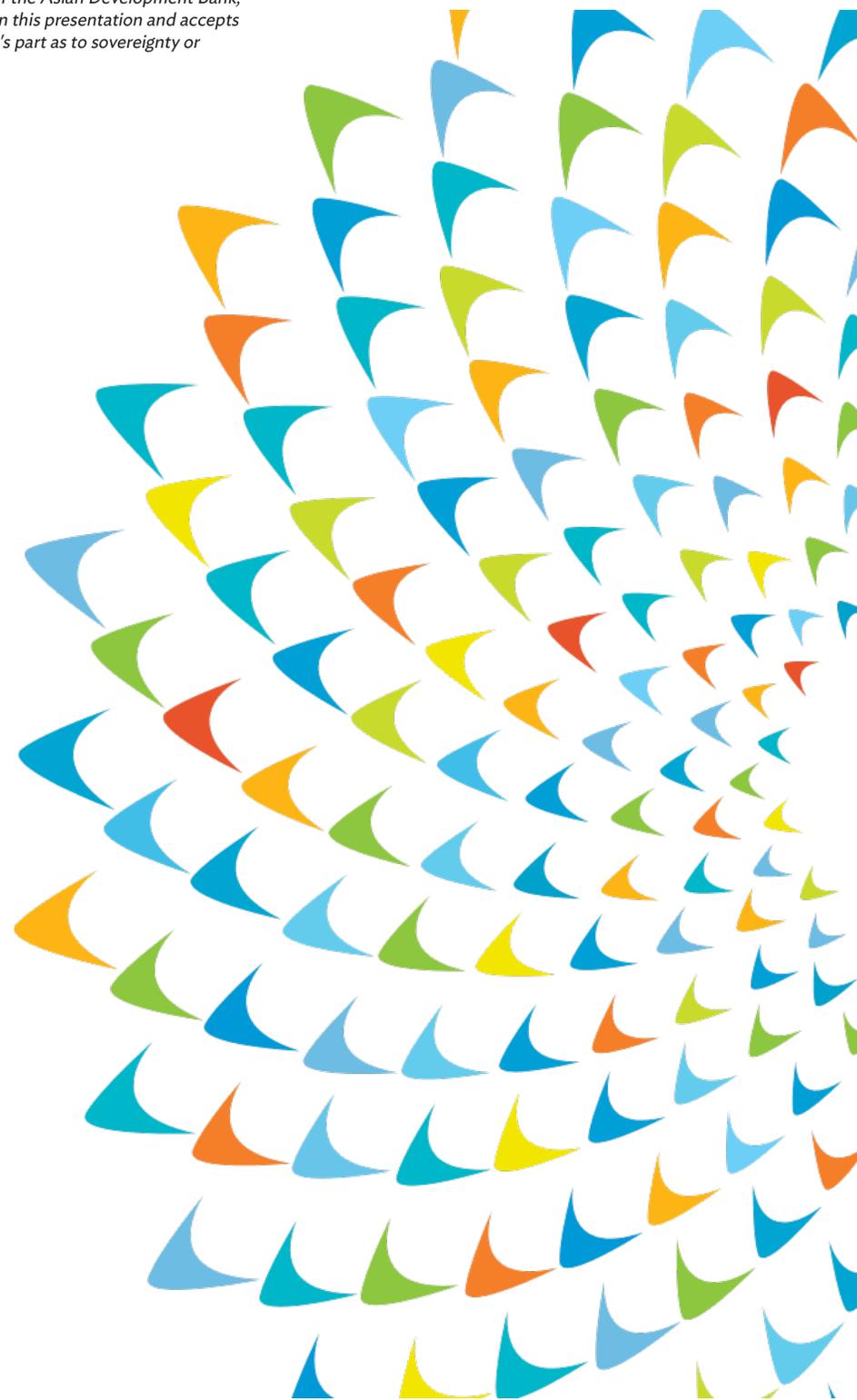


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# Scene-setting: advancing IFRM approaches in Pakistan

Nathan Rive  
*10 December 2023*





# Historical ADB support for flood risk management



Riverine flood management and drainage infrastructure since 1970s



\$1.8 billion flood-related projects since 2000...



...70% of which for flood response and reconstruction



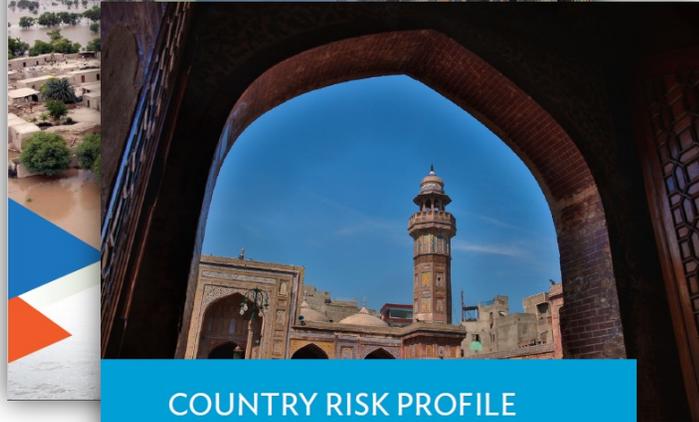
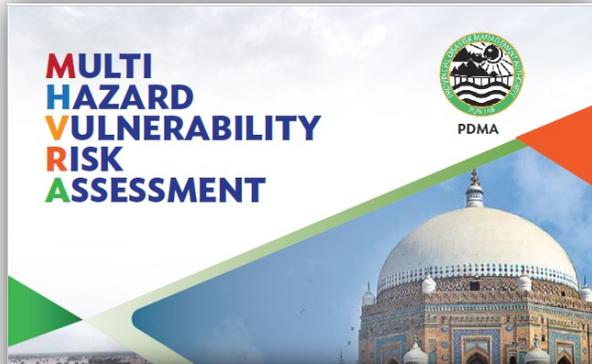
## 2022 floods forced a rethink



- Weaknesses of infrastructure-oriented approach
- Broader set of flood risks: coastal, pluvial, GLOF
- Climate change fingerprint on the flood impact
- Reconstruction costs cannibalizing development financing



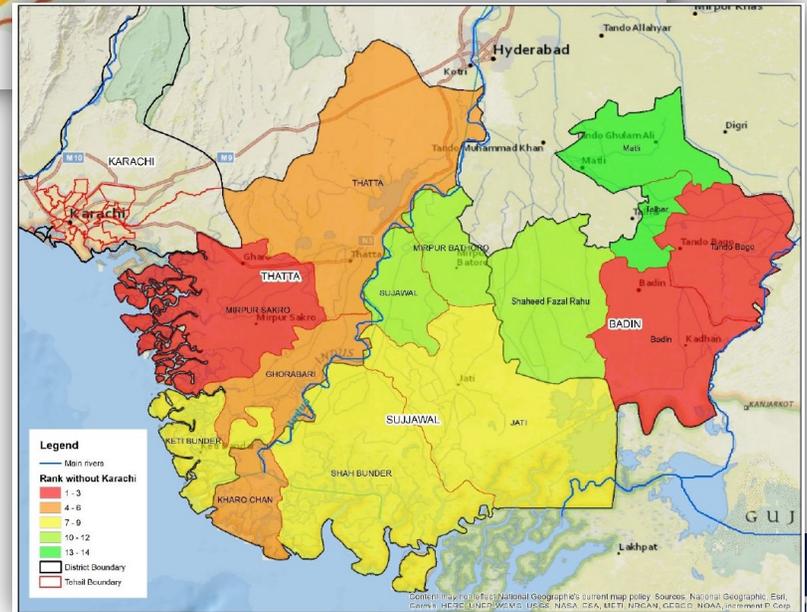
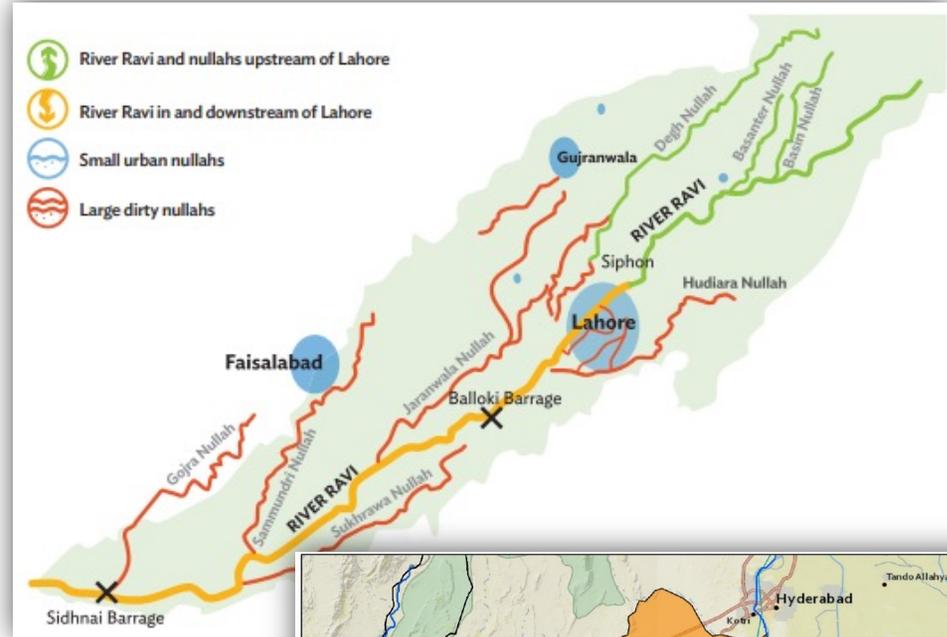
# Upstream planning, risk analytics for project prioritization



## COUNTRY RISK PROFILE PAKISTAN

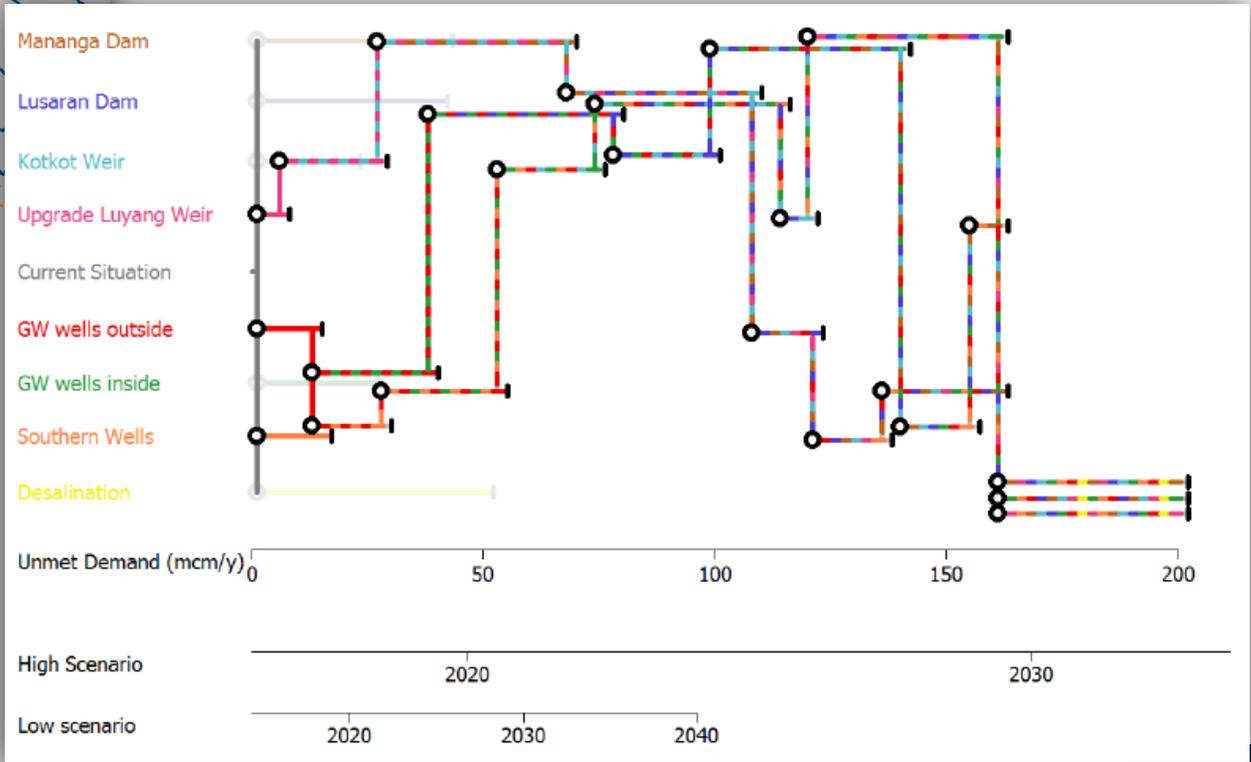
TA-9878 REG: Developing a Disaster Risk Transfer Facility in the Central Asia Regional Economic Cooperation Region

August 2021





# Dynamic adaptive planning for flood risk management in KP and Punjab





# Upstream and downstream: proposed Integrated Hill Torrents Management Project (2025)

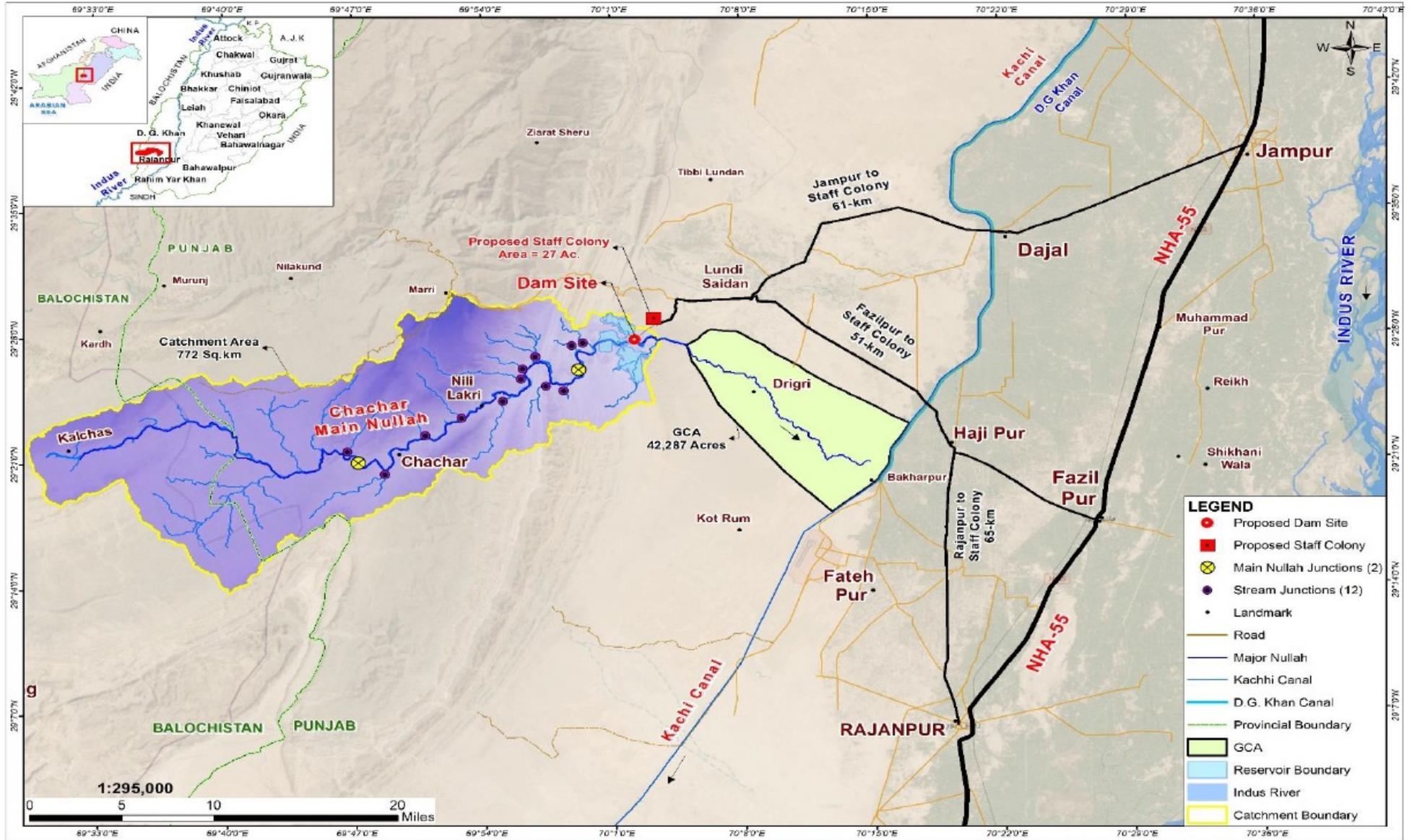
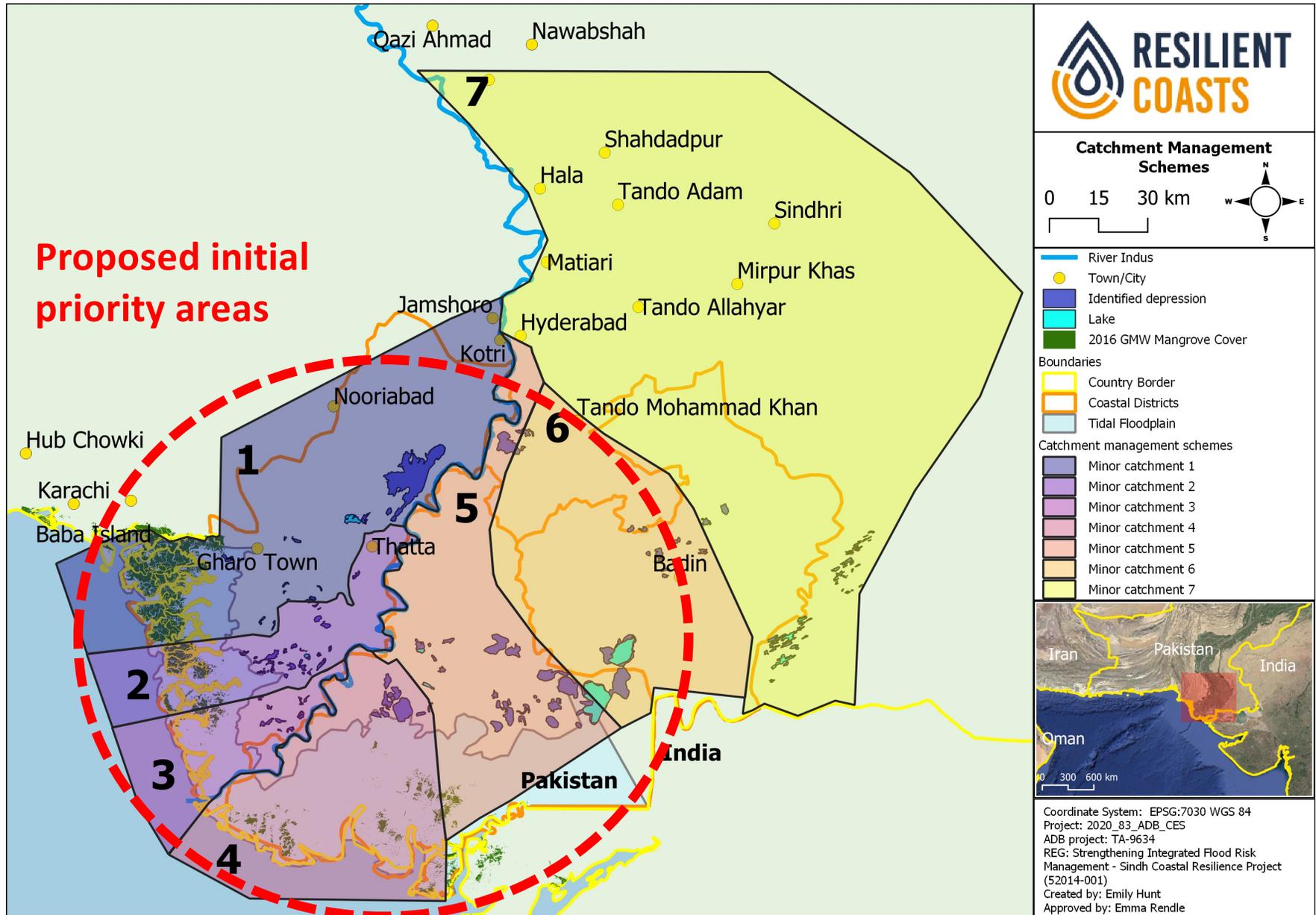


Figure 1-2: Chachar Hill Torrent Location Map



# Mainstreaming nature: proposed Sindh Coastal Resilience Sector Project (2025)





## Newer modalities/financing

### **National Disaster Risk Management Fund Project (2015, financial intermediation)**

- \$200 million ADB financing + bilateral and WB
- Not-for-profit company
- Investments in disaster risk reduction

### **Proposed Climate and Disaster Resilience Enhancement Program (2024, policy-based loan)**

- Reform areas in institutional capacity, DRR frameworks, disaster risk financing
- Contingent disaster financing option