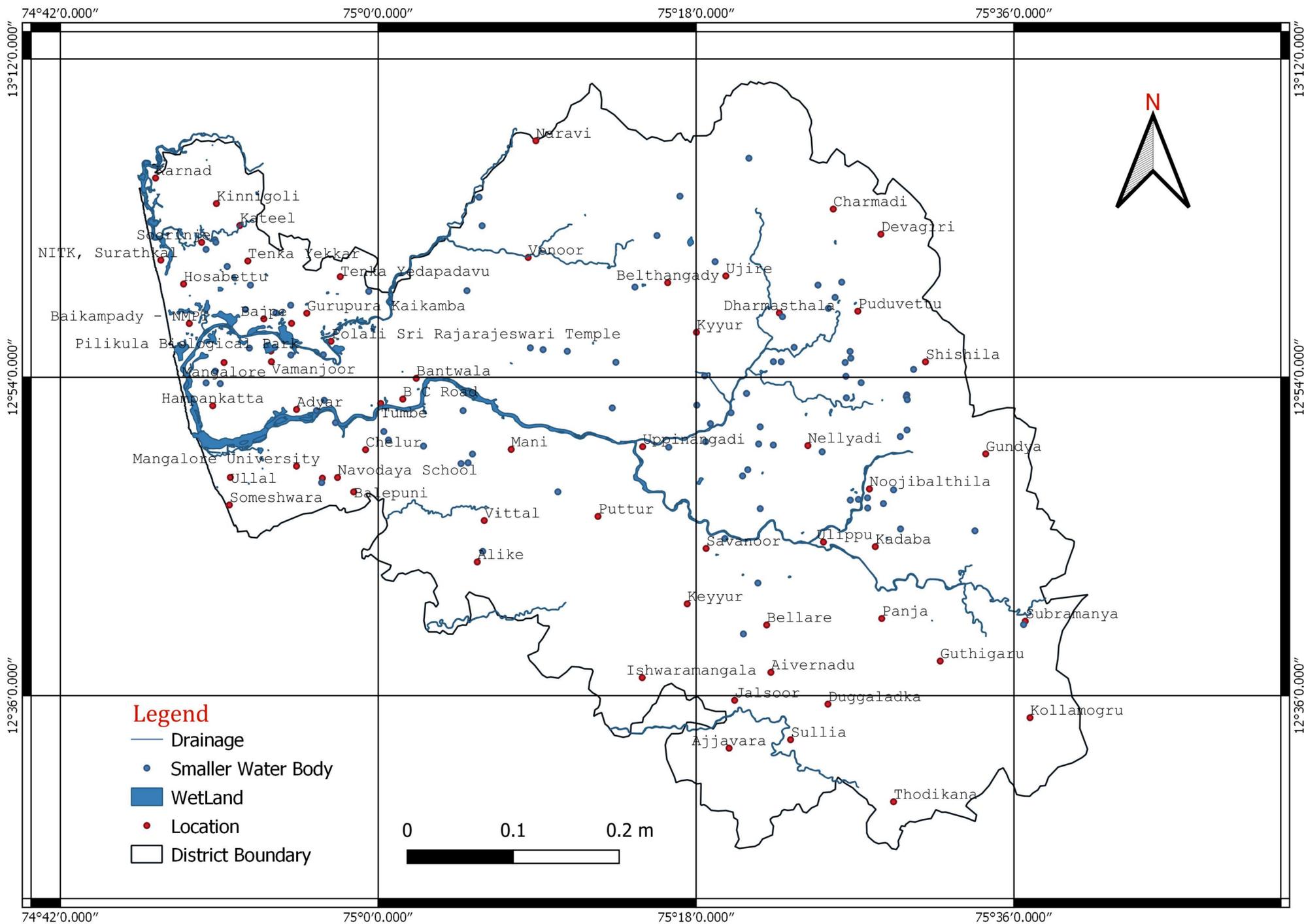


Title: Water Resource Map of Dakshina Kannada District, Karnataka State

Map description and analysis



Introduction:

Dakshina Kannada is a district of Karnataka state in India, with its headquarters in the port city of Mangalore. The district covers an area nestled in between the lush green Western Ghats to its east and the Arabian Sea to its west. Dakshina Kannada receives abundant rainfall during the Indian monsoon on an average annual rainfall in Dakshina Kannada is 4,030 mm. The Dakshina Kannada and it has become an education hub with a number of reputed institutions offering variety of courses attracting students from all over the country and abroad. It is also famous for its beaches, temples and religious places of worship.

Waterbody hierarchy:

- Total 13 types of wetlands were delineated using a hierarchical system that excludes rice fields. In the Dakshina Kannada 322 wetlands have been delineated. In addition, 87 wetlands smaller (demarcated in the point vector layer) have also been discerned. Total wetland area estimated is 10846 ha. The major wetland types are River/Stream (8910 ha), Waterlogged (629 ha) and Tanks (68 ha).

Data Used:

- Wetlands are mapped and a detailed inventory prepared using recent BHUVAN Resourcesat-1/Resourcesat-2 LISS-III Satellite Data of Dakshina Kannada District.

Applications:

- In the present scenario conservation of and preserve the water resources of the world is one of the serious objectives for scientists, planners, sociologists, politicians and economists.
- Apart from their ecological significance, the high altitude wetlands play crucial role in biodiversity, wild life habitat and socio-economic aspects as well as climate change perspective.



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