

# DRAINAGE NETWORK SYSTEM OF KERALA

Drain network visualisation of Kozhikode, Palakkad, Thrissur, Kollam and Alappuzha

## DESCRIPTION

### Introduction:

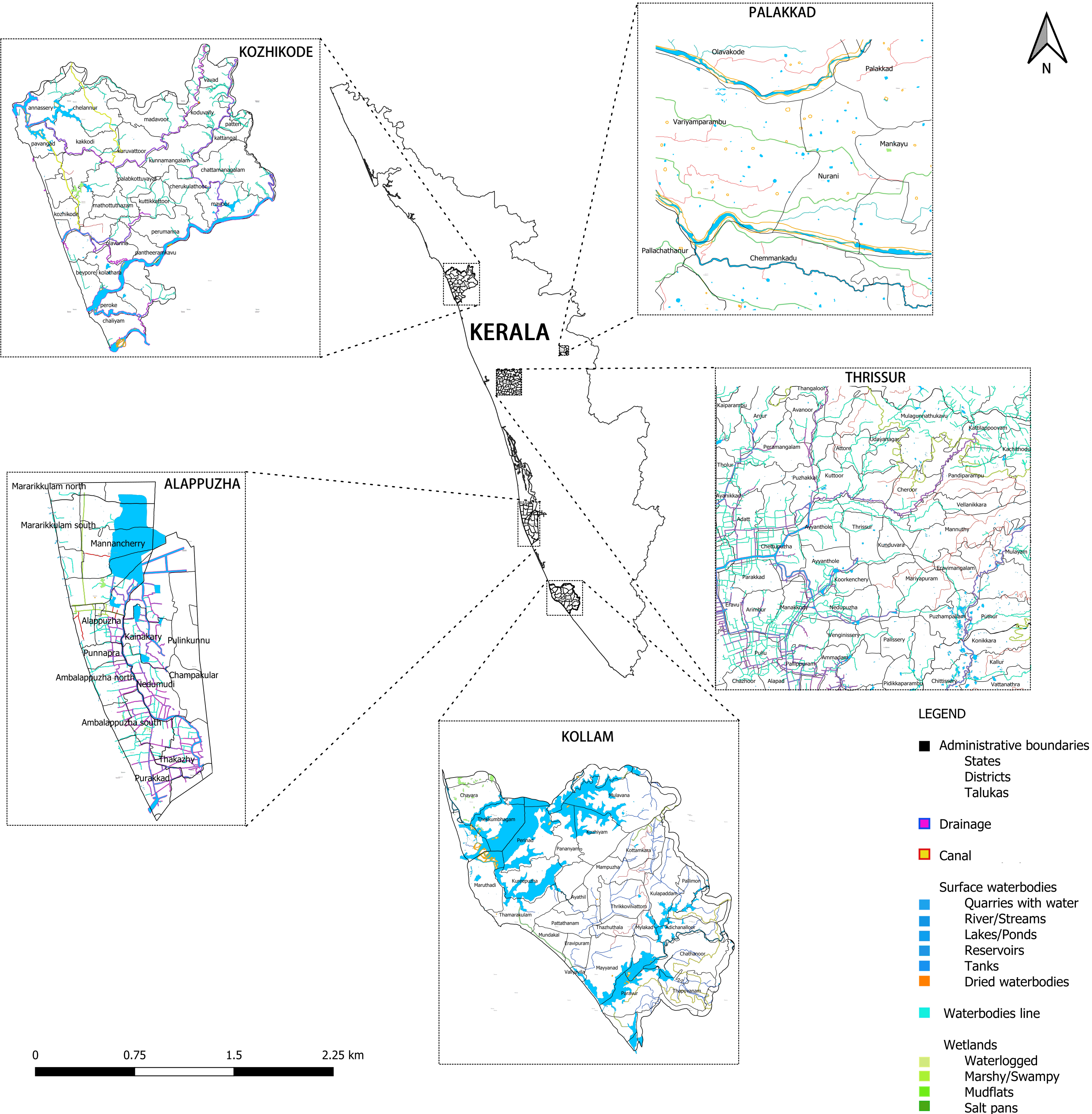
Drainage networks management is one the utmost needs of our nation. The map represents the drainage networks system along with wetland region, available surface waterbodies and canal paths of the five districts - Kozhikode, Palakkad, Thrissur, Kollam and Alappuzha in Kerala.

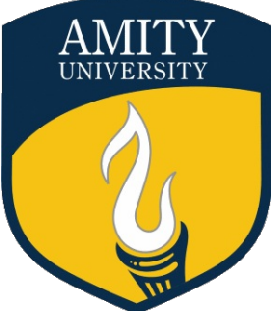
Drainage constitutes of network drainage channels which flow from higher reaches to lower levels often following the topography and slope of the terrain. The drainage could be natural or man-made. They flow towards the sea or lake waters. The network of drainage constitutes a watershed or catchment.

Rivers / streams are natural course of a drainage network of a catchment or river basins. The river systems are bigger in length and width than the streams. They flow from higher reachesmand may join in lakes or sea

Drainage Classification (All types are represented under the "Drainage" Legend):

- 1) Perennial:  
These are the rivers/streams that flow continuously with water throughout the year.
- 2) Dry (Non-perennial)  
These are the rivers/ streams that flow with water only during monsoon or rainy season and remain dry during rest of the year. The dry channels are also known as ephemeral channels. Sometimes water channels occur in dry river beds also.
- 3) Tidal Water  
This constitutes the sea water or tidal waters seen close to sea. The movement of water is controlled by tides in the sea. They are also known as backwaters
- 4) Tidal Creek  
This is a small stream which flow perpendicular or parallel to the sea coast into the land for a short distance. They carry tidal waters.



	<b>Team Name:</b> <i>Hydro-Mode</i>
	<b>Topic Name:</b> <i>Drainage Maps</i>
	<b>Team Members:</b> <i>Sarath Raj (Lead), Anusha Santhosh, Sathiyagayathiri, Roshan Bhatkar.</i>
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# ROADS FOR DEVELOPMENT OF DRAIN WAYS IN KERALA

Transport network visualisation for development of Kozhikode, Palakkad, Thrissur, Kollam and Alappuzha drainage network.

## DESCRIPTION

### Introduction:

Drainage networks management is one the utmost needs of our nation. The map represents the available road and rail network coverage across five districts of Kerala to facilitate the development of drainage networks system in Kozhikode, Palakkad, Thrissur, Kollam and Alappuzha.

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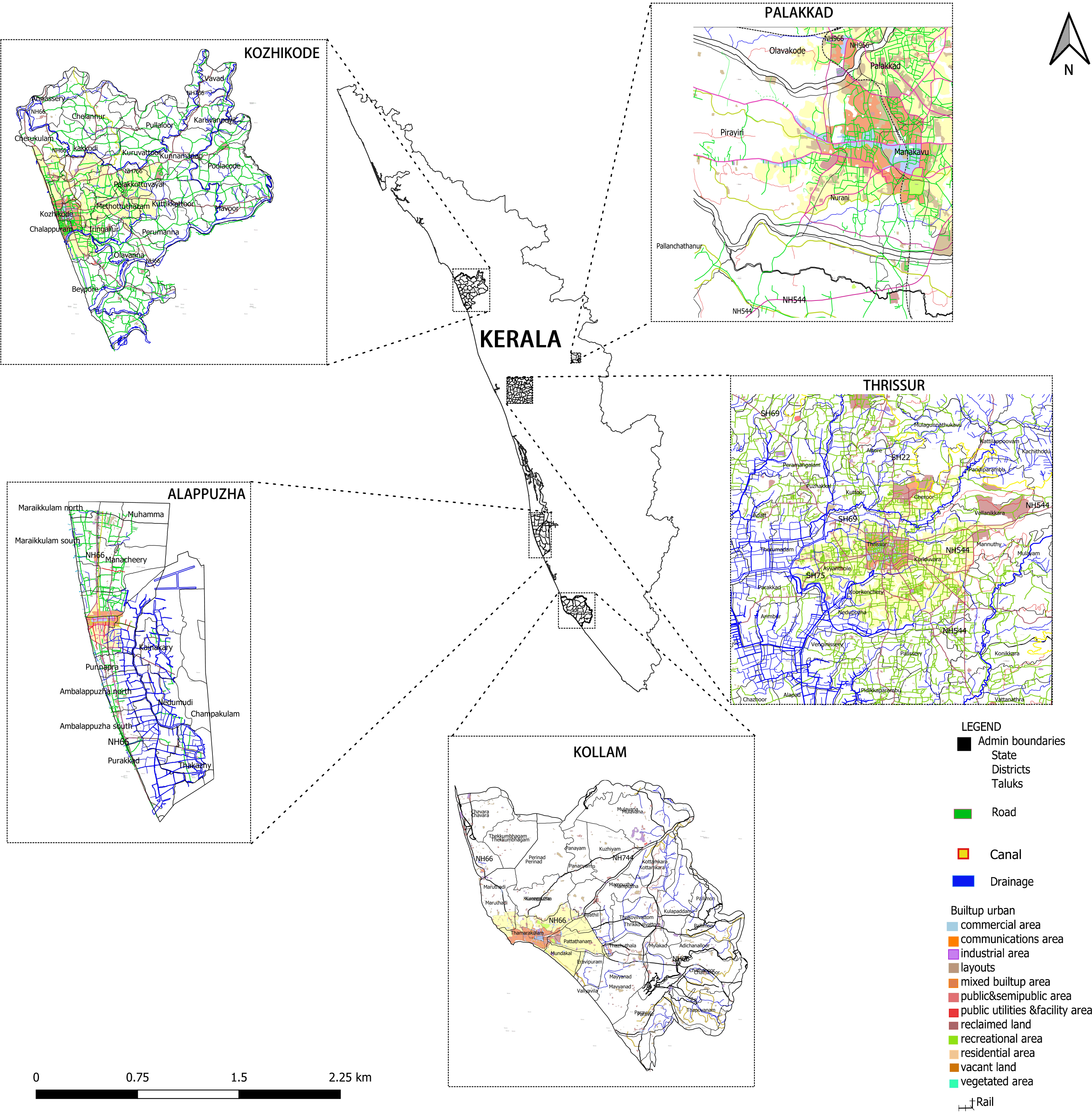
4) Tidal Creek  
This is a small stream which flow perpendicular or parallel to the sea coast into the land for a short distance.


Road Classification ( All types are represent with the "Road" legend):

Metalled Road: These roads are Black Topped (BT) or with Bitumen Paved or concrete surfaced roads.

Unmetalled Road: These roads are not Metalled or Black Topped but are paved roads with hard surface. They are Water Bound Macadam (WBM) concrete / cement type. The Others under this category which are unpaved or unsurfaced consist of Earthen/Gravel roads

TYPE	DESCRIPTION
Metalled – Black Topped (BT) or Bitumen Paved	
	National Highway
	State Highway
	District Road
	Village Road
	City Road – Major
	City Road – Minor
	Ring Road
	Bye pass
	Expressway
Unmetalled - Water Bound Macadem (WBM)	
Others	
	Earthen/Gravel
	Concrete / Cement



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