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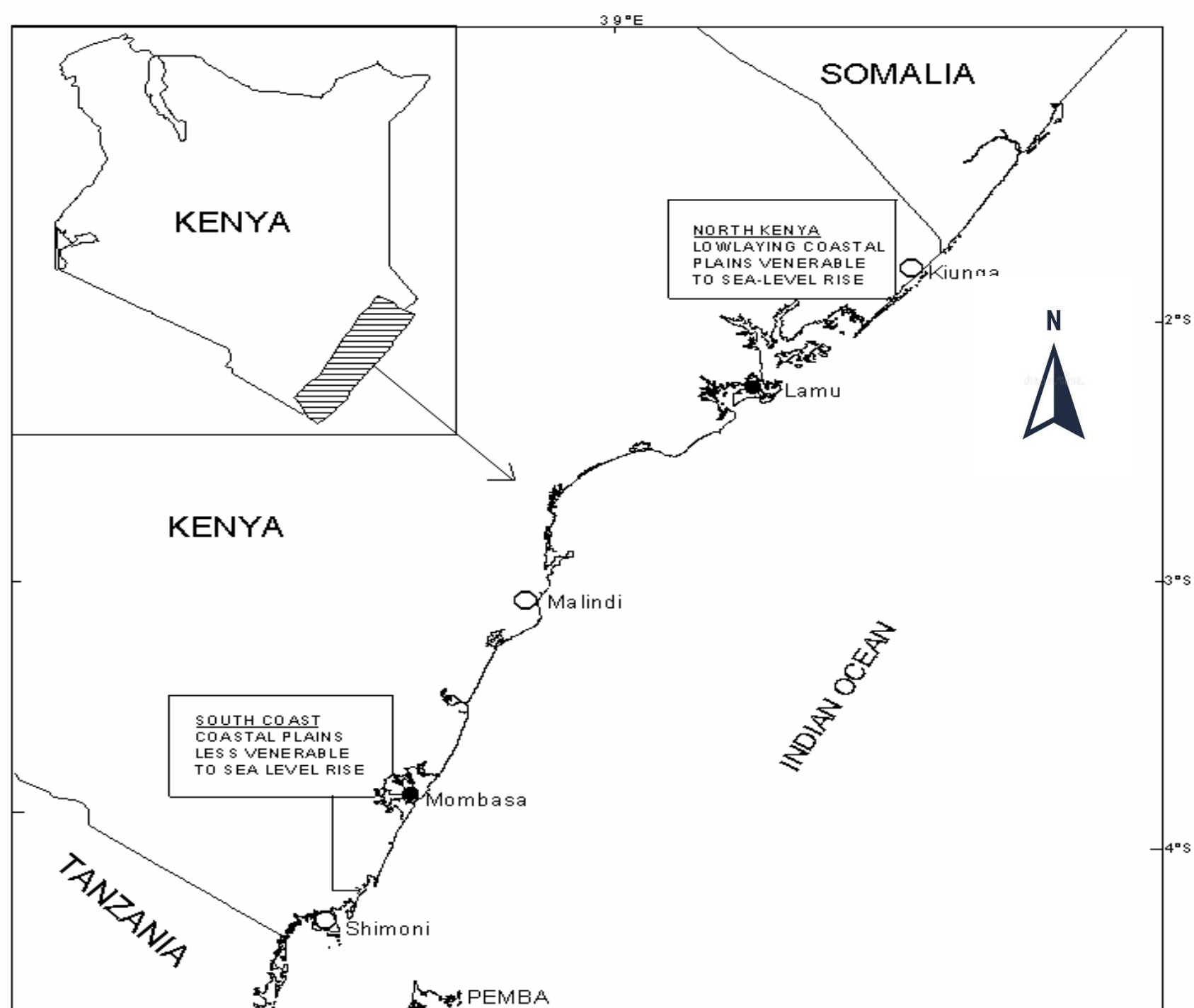
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Existing sea level stations in Kenya:

Charles Magori

**September 25, 2025
Mombasa, Kenya**



Map of Kenyan coastline
indicating location of tide gauge
stations

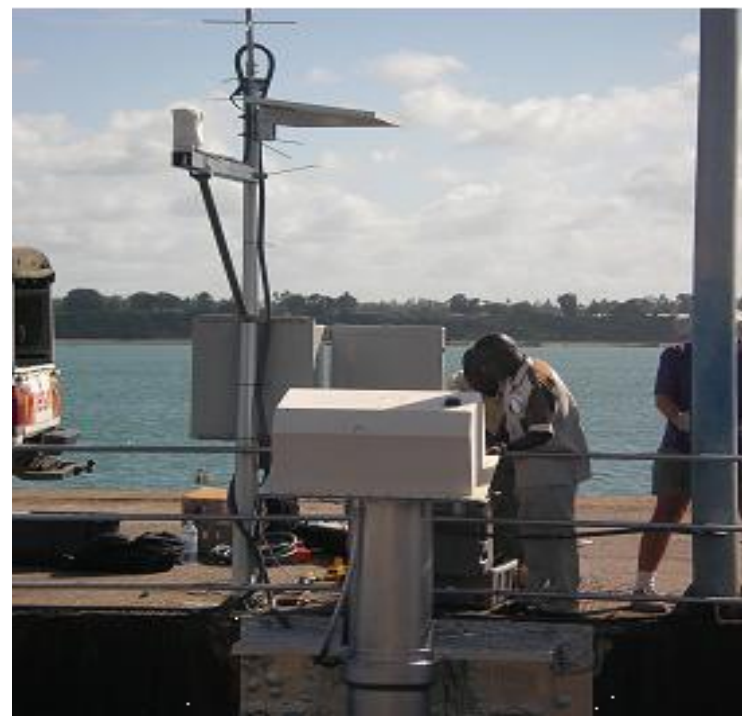
Fig. 1: Map of Kenya Coastline showing location of installed tide gauge



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Mombasa Tide Gauge



1986 – Todate
Liwatoni Jetty – Kilindini harbor
Part of GLOSS network

3 Sensors

- **Encoder**
- **Pressure**
- **Radar**
- **Managed by KMFRI**
- **Real-time data transmission**
- www.ioc-sealevelmonitoring.org



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Lamu Tide Gauge



1996 – Todate
Liwatoni Jetty – Kilindini harbor
Part of GLOSS network

3 Sensors

- **Encoder**
- **Pressure**
- **Radar**
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Kilifi Tide Gauge – Managed by KMD



2007 – 2010

- Stilling well of the tide gauge at the Old Jetty of Kilifi Mnarani club.
- Automatic weather station



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Wasini Island, Shimoni Tide Gauge – Managed by KMD



2007 – 2010

- Wasini Island Tidal and Automatic Weather station installed at the old navy jetty





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Lamu Tide Gauge – Managed by KMD



2007 – 2010

- Lamu tide gauge stilling well and automatic weather station at new fisheries jetty in Lamu Island.



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Summary of current status of SL Monitoring in Kenya

- 2 operational stations
- Mombasa and Lamu being managed by KMFRI
- 3 historical stations
- Shimoni, Kilifi and Lamu that were managed by Kenya Meteorological Department (KMD)
- The stations were operational from July 2007 - 2010

Thank You