



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND**  
**FORESTRY**

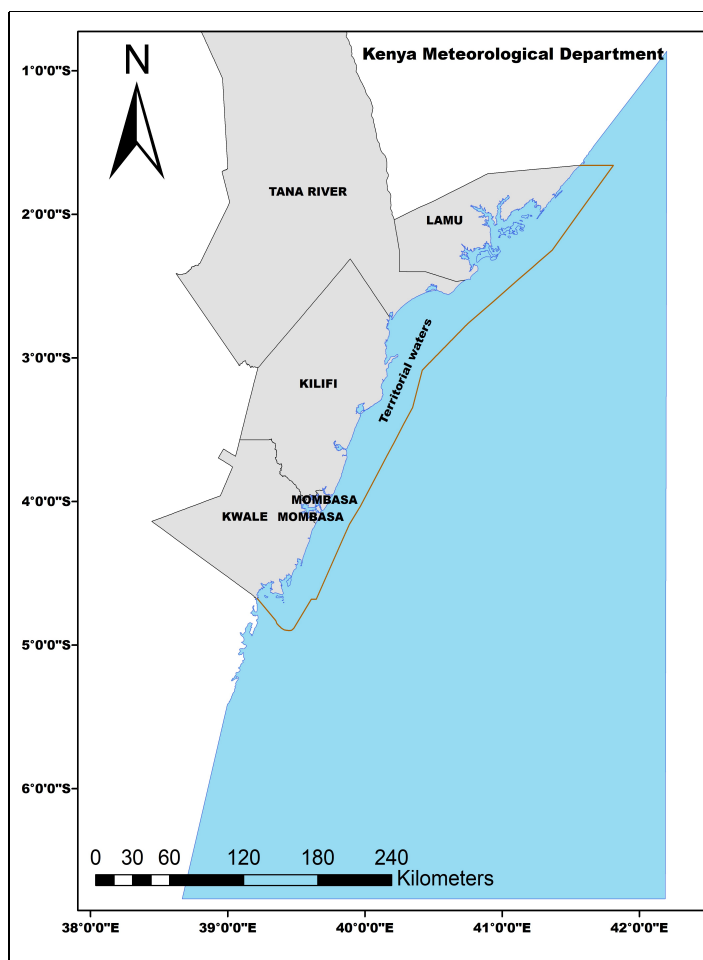
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 25<sup>th</sup> February, 2025**

**Valid: 0000 EAT on 26<sup>th</sup> February 2025 to 0000 EAT on 27<sup>th</sup> February 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to breezy predominantly N winds (04-13 knots) with slight to moderate choppy seas. E to ENE waves of 4-5ft (1.2-1.5m) with small period waves of (6-7sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to moderately strong E to ENE winds (14-27knots) with moderate choppy seas. E to ENE waves of 4-6feet (1.2-1.8m) with small period waves of (6-7sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Visibility:**

- Moderate visibility (9-10 km) expected in Kwale, Mombasa, Kilifi and Lamu.

## **COASTAL COUNTIES MARINE NEAR SHORE FORECAST**

### **i. KWALE**

- Morning Winds: NW 8 to 11 knots.
- Morning Waves: ENE 4 feet at 7 seconds.
- Morning sea state: Light NW winds with a slight chop. Small short period waves.
- Afternoon Winds: ENE 17 to 22 knots.
- Afternoon Waves: ENE 5 feet at 7 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Small short period waves.
- Sunrise; **6:29AM** and sunset; **6:41PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **3:18AM; 3.32m, 3:45PM; 3.06m**
- Low Tide: **9:42AM;0.57m, 9:41PM;0.59m**

### **ii. MOMBASA**

- Morning Winds: N 6 to 10 knots.
- Morning Waves: ENE 4 feet at 7 seconds.
- Morning sea state: Light N winds with a slight chop. Small short period waves.
- Afternoon Winds: ENE 15 to 20 knots.
- **Afternoon Waves: ENE 4 feet at 7 seconds.**
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Small short period waves.
- Sunrise; **6:28AM** and sunset; **6:39PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **3:19AM; 3.22m, 3:50PM; 2.94m**
- Low Tide: **9:45AM; 0.59m, 9:42PM;0.68m**

### **iii. KILIFI**

- Morning Winds: NE 11 to 13 knots.
- Morning Waves: ENE 5 feet at 7 seconds.
- Morning sea state: Breezy NE winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: ENE 18 to 21 knots.
- Afternoon Waves: ENE 5 feet at 7 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Small short period waves.
- Sunrise; **6:27AM** and sunset; **6:39PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **3:12AM; 2.95m, 3:45PM;2.65m**
- Low Tide: **9:39AM; 0.36m, 9:34PM;0.5m**

### **iv. LAMU**

- Morning Winds: NE 4 to 7 knots.
- Morning Waves: E 4 feet at 6 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small very short period waves.
- Afternoon Winds: E 14 to 27 knots.
- Afternoon Waves: E 6 feet at 6 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Moderate very short period waves.
- Sunrise; **6:24AM** and Sunset; **6:34PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **3:12AM; 2.84m, 3:47PM;2.51m**
- Low Tide: **9:41AM; 0.34m, 9:35PM;0.5m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.2-1.8m in Kwale, Mombasa, Kilifi and Lamu.
- Light to strong breeze of (04-27knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised to be cautious while venturing into deep sea areas in Lamu

#### **KEY ON SEA STATE**

WAVE HEIGHT RANGE (Meters)	DESCRIPTION	IMPACT
0.6 – 1.0 m ( $\approx$ 1.8 – 3.0 ft)	Slight	Conditions suitable for Marine activities
1.0 – 1.9 m ( $\approx$ 3.0 – 5.7 ft)	Slight - Moderate	
2.0 – 2.9 m ( $\approx$ 6.0 – 8.7 ft)	Moderate-Rough	Caution on operating marine activities
3.0 – 4.0 m ( $\approx$ 9.0 – 12.0 ft)	Rough	Warning in place!!!!
4.1 – 5.5 m ( $\approx$ 12.3 – 16.5 ft)	Very Rough	Warning in place and marine activities on hold

#### **KEY ON SEA STATE**

WIND	RANGE	DESCRIPTIONS	IMPACT
	< 1 – 7 Knots	Calm to Light breeze	1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations
	7 – 21 Knots	Gentle breeze to Fresh breeze	7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying out marine activities
	22 – $\geq$ 34 Knots	Strong breeze to Extremely Strong breeze	More than 21 knots, the ocean state is very much disturbed and the prevailing conditions are dangerous for marine operations. Warning in place!!!!

*In concurrence with outputs from relevant marine data platforms, acknowledgement is fully accorded to: ESSO- Indian National Centre for Ocean Information Services (INCOIS), mercator-ocean.fr, COPERNICUS Marine Environment Monitoring Service (CMEMS) and other related sources.*

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