



MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY  
STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE

**KENYA METEOROLOGICAL DEPARTMENT**

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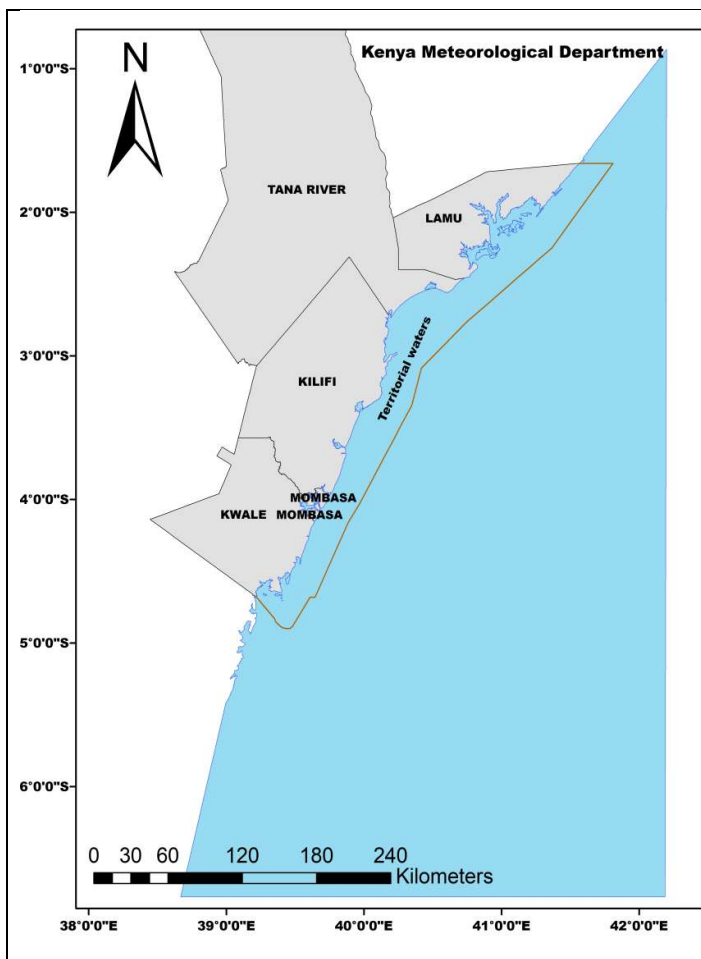
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

Issued at: 1500 EAT on 3<sup>rd</sup> December 2025

Valid: 0000 EAT on 4<sup>th</sup> December 2025 to 0000 EAT on 5<sup>th</sup> December 2025



**GENERAL OUTLOOK**

**Morning sea state:**

- Light and variable predominantly NW to NE winds (02-07knots) with smooth to slight choppy seas. E to ENE waves of 2-3 feet (0.6-0.9m) with small period waves of (8sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light to breezy E to ENE winds (08-18knots) with slight to moderate choppy seas. E to ENE waves of 2-3 feet (0.6-0.9m) with small period waves of (7-8sec) 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 5 to 6 knots.
- Morning Waves: ENE 3 feet at 8 seconds.
- Morning sea state: Light NW winds with a slight chop. Very small short period waves.
- Afternoon Winds: ENE 14 to 18 knots.
- Afternoon Waves: ENE 3 feet at 7 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Very small short period waves.
- Sunrise; **06:01AM** and sunset; **06:23PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **3:04AM; 3.83m, 3:32PM; 3.16m**
- Low Tide: **9:32AM; 0.23m, 9:26PM; 0.37m**

### **ii. MOMBASA**

- Morning Winds: NNW 4 knots.
- Morning Waves: ENE 3 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: E 12 to 15 knots.
- Afternoon Waves: ENE 3 feet at 8 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Very small short period waves.
- Sunrise; **06:01AM** and sunset; **6:22PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **3:09AM; 3.75m, 3:41PM; 3m**
- Low Tide: **9:35AM; 0.19m, 9:25PM; 0.37m**

### **iii. KILIFI**

- Morning Winds: NE 7 knots.
- Morning Waves: ENE 3 feet at 8 seconds.
- Morning sea state: Light NE winds with a slight chop. Very small short period waves.
- Afternoon Winds: E 13 to 15 knots.
- Afternoon Waves: ENE 3 feet at 7 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Very small short period waves.
- Sunrise; **06:00AM** and sunset; **06:20PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:57AM; 3.44m, 3:32PM; 2.7m**
- Low Tide: **9:28AM; 0.05m, 9:18PM; 0.28m**

### **iv. LAMU**

- Morning Winds: ENE 2 to 3 knots.
- Morning Waves: E 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: E 8 to 15 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Light E winds with a slight chop. Very small short period waves.
- Sunrise; **05:59AM** and sunset; **06:14PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:57AM; 3.32m, 3:32PM; 2.55m**
- Low Tide: **9:31AM; 0.04m, 9:17PM; 0.27m**

### Advisory

- Slight sea conditions are expected with a wave height of 0.6-0.9m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (02- 18 knots) expected in Kwale, Mombasa, Kilifi and 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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