



**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE**  
**KENYA METEOROLOGICAL DEPARTMENT**

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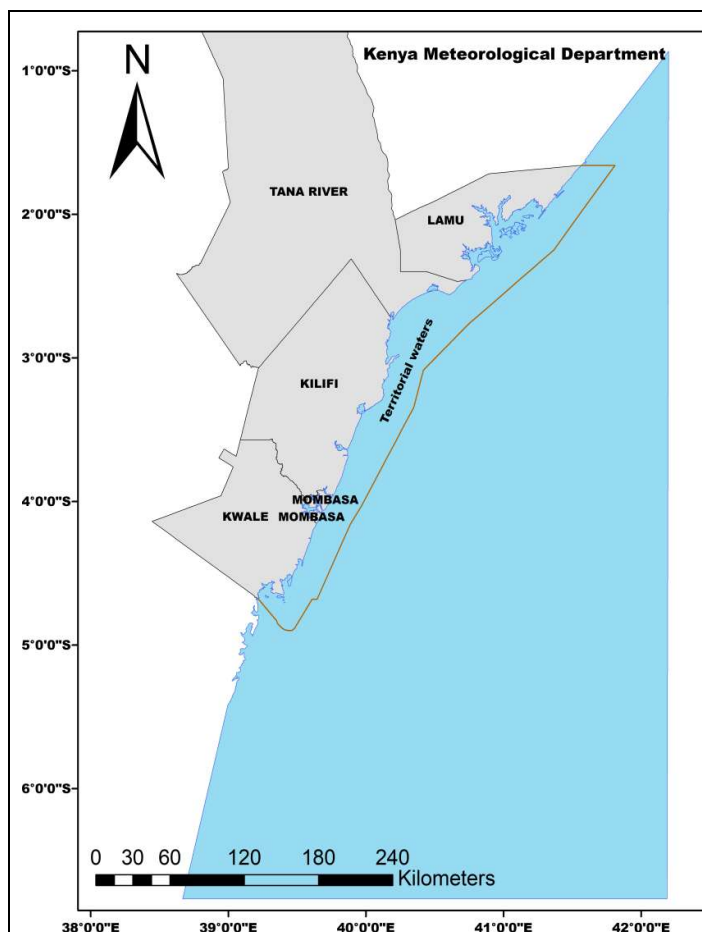
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 12<sup>th</sup> December 2025**

**Valid: 0000 EAT on 13<sup>th</sup> December 2025 to 0000 EAT on 14<sup>th</sup> December 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Calm to light breeze N to E winds (01 - 05 knots) with light variable winds and smooth seas. ENE to ESE waves of 2 - 3 feet (0.6m - 0.9m) with period waves of (08 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle breeze E to ESE winds (07 -14 knots) with slight to moderate choppy seas. ENE to E waves of 2 - 3 feet (0.6m - 0.9m) with period waves of (08 sec) 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: N 5 knots.
- Morning Waves: ENE 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: E 14 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; **06:06AM** and sunset; **06:28PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **11:03AM; 2.5m, 11:54PM; 2.7m,**
- Low Tide: **04:45AM; 1.4m, 05:11PM; 1.2m**

### **ii. MOMBASA**

- Morning Winds: NNW 2 to 3 knots.
- Morning Waves: ESE 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ESE 9 to 11 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small short period waves.
- Sunrise; **06:04AM** and sunset; **06:26PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **10:56AM; 2.3m, 11:56PM; 2.6m,**
- Low Tide: **04:56AM; 1.3m, 05:09PM; 1.2m**

### **iii. KILIFI**

- Morning Winds: NNE 1 to 2 knots.
- Morning Waves: E 3 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ESE 9 to 10 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small short period waves.
- Sunrise; **06:05AM** and sunset; **06:25PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **10:47AM; 2.1m, 11:46PM; 2.4m,**
- Low Tide; **04:48AM; 1.2m, 04:55PM; 1.0m,**

### **iv. LAMU**

- Morning Winds: E 2 knots.
- Morning Waves: ESE 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ESE 7 to 11 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small short period waves.
- Sunrise; Sunrise; **06:02AM** and sunset; **06:18PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **10:45AM; 2.0m, 11:47PM; 2.3m,**
- Low Tide; **04:51AM; 1.2m, 04:55PM; 1.0m,**

### Advisory

- Slight Sea conditions are expected with a wave height of 0.6m - 0.9m in Kwale, Mombasa, Kilifi and Lamu. Conditions suitable for Marine activities.
- Calm to Gentle breeze of (01 - 14 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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