



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

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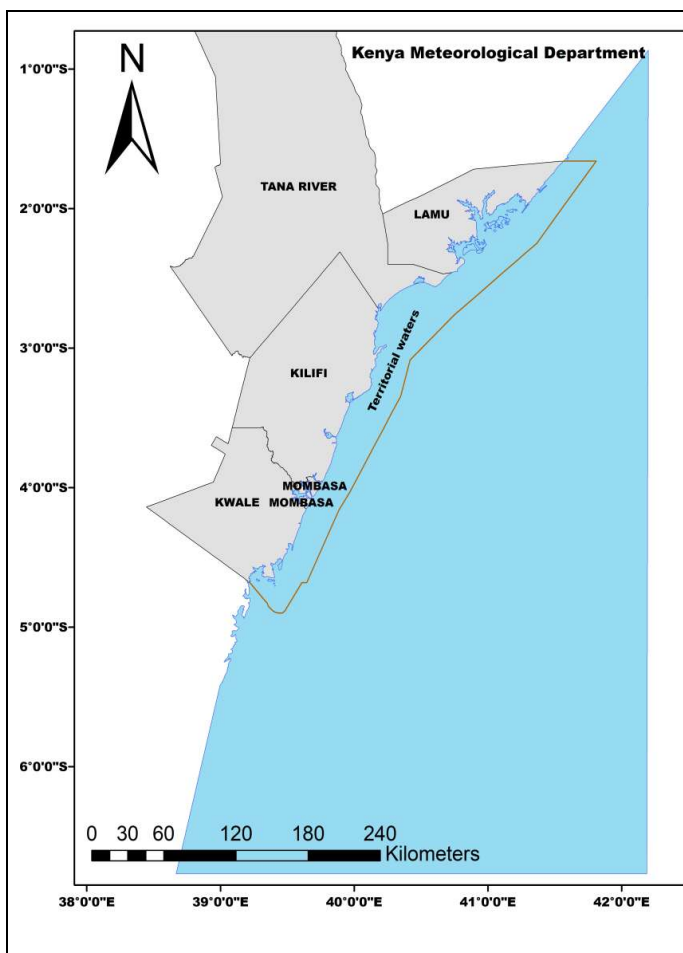
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

Issued at: 1500 EAT on 19<sup>th</sup> August 2025

Valid: 0000 EAT on 20<sup>th</sup> August 2025 to 0000 EAT on 21<sup>st</sup> August 2025



**GENERAL OUTLOOK**

**Morning sea state:**

- Gentle to Fresh breeze S to SSE winds (08 - 18 knots) with choppy seas. ESE waves of 4 - 6 feet (1.2m – 1.8m) with period waves of (9-sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Fresh breeze S to SSE winds (14 -19 knots) with choppy seas. ESE waves of 4-6 feet (1.5m – 1.8m) with period waves of (9 -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: S 12 to 14 knots.
- Morning Waves: ESE 4 feet at 9 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: SE 16 to 19 knots.
- Afternoon Waves: ESE 4 feet at 9 seconds.
- Afternoon sea state: Moderate to strong SE winds with choppy seas. Small short period waves..
- Sunrise; **06:32AM** and sunset; **06:27PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **02:06AM; 2.5m, 02:20PM; 3.1m,**
- Low Tide: **07:55AM; 1.2m, 09:00PM; 0.8m**

### **ii. MOMBASA**

- Morning Winds: SSW 8 to 11 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Light SSW winds with a slight chop. Moderate short period waves.
- Afternoon Winds: SSE 15 to 19 knots.
- Afternoon Waves: ESE 5 feet at 9 seconds.
- Afternoon sea state: Moderate to strong SSE winds with choppy seas. Moderate short period waves.
- Sunrise; **06:30AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **02:12AM; 2.3m, 02:26PM; 3.0m,**
- Low Tide: **07:50AM; 1.1m, 09:05PM; 0.8m**

### **iii. KILIFI**

- Morning Winds: S 11 to 12 knots.
- Morning Waves: ESE 6 feet at 9 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: SSE 16 to 19 knots.
- Afternoon Waves: ESE 6 feet at 9 seconds.
- Afternoon sea state: Moderate to strong SSE winds with choppy seas. Moderate short period waves.
- Sunrise; **06:29AM** and sunset; **06:26PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **02:12AM; 2.1m, 02:20PM; 2.8m,**
- Low Tide; **07:48AM; 1.0m; 08:59; 0.6m;**

### **iv. LAMU**

- Morning Winds: SSE 15 to 18 knots.
- Morning Waves: ESE 6 feet at 9 seconds.
- Morning sea state: Breezy SSE winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: S 14 to 19 knots.
- Afternoon Waves: ESE 6 feet at 9 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Sunrise; **06:22AM** and sunset; **06:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **02.12AM; 1.9m, 02.19PM; 2.7m**
- Low Tide: **07:46AM; 1.0m, 09:00PM; 0.5m**

### Advisory

- Slight to Moderate Sea conditions are expected with a wave height of 1.2m – 1.8m in Kwale, Mombasa, Kilifi and Lamu. Conditions suitable for Marine activities.
- Gentle to Fresh breeze of (08 - 19 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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