



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

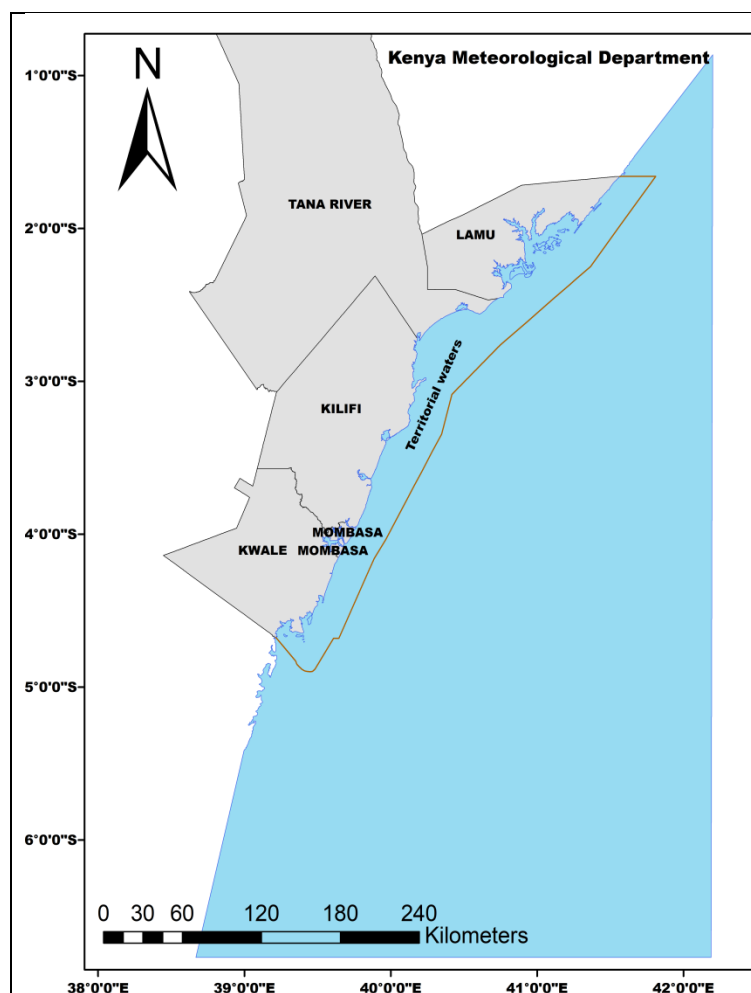
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 28<sup>th</sup> May 2025**

**Valid: 0000 EAT on 29<sup>th</sup> May 2025 to 0000 EAT on 30<sup>th</sup> May 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Gentle to strong S to SW winds (09-23 knots) with choppy seas. ESE waves of 6-8 feet (1.8m – 2.4m) with period waves of (10-sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to strong S winds (10-25 knots) with choppy seas. ESE waves of 5-8 feet (1.5m-2.4m) with period waves of (10-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: SSW 19 to 23 knots.
- Morning Waves: ESE 6 feet at 10 seconds.
- Morning sea state: Moderate to strong SSW winds with choppy seas. Moderate mid period waves.
- Afternoon Winds: S 17 to 21 knots.
- Afternoon Waves: ESE 5 feet at 10 seconds.
- Afternoon sea state: Moderate to strong S winds with choppy seas. Moderate mid period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **05.23AM; 3.2m, 05.35PM; 3.8m,**
- Low Tide: **11:15AM; 0.4m,**

### **ii. MOMBASA**

- Morning Winds: SSW 14 to 21 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: S 16 to 23 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Moderate to strong S winds with choppy seas. Moderate mid period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **05:31AM; 3.1m, 05:44PM; 3.8m,**
- Low Tide: **11:14AM; 0.4m,**

### **iii. KILIFI**

- Morning Winds: SSW 20 to 23 knots.
- Morning Waves: ESE 8 feet at 10 seconds.
- Morning sea state: Strong SSW winds with very choppy seas. Small Craft Advisory. Moderate mid period waves.
- Afternoon Winds: S 21 to 25 knots.
- Afternoon Waves: ESE 8 feet at 10 seconds.
- Afternoon sea state: Strong S winds with very choppy seas. Small Craft Advisory. Moderate mid period waves.
- Sunrise; **5:57AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **05:21AM; 2.7m, 05:33PM; 3.4m,**
- Low Tide; **11:08AM; 0.3m;**

### **iv. LAMU**

- Morning Winds: S 9 to 20 knots.
- Morning Waves: SE 8 feet at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 10 to 21 knots.
- Afternoon Waves: SE 7 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **05.21AM; 2.6m, 05.32PM; 3.3m,**
- Low Tide: **11:08AM; 0.3m,**

### Advisory

- Moderate – Rough sea conditions are expected with a significant wave height of 1.5m – 2.4m in Kwale, Mombasa, Kilifi and Lamu. Small boats and crafts are advised to be cautious due to moderate - rough waves expected.
- Gentle breeze to Strong breeze of (09-25 knots) expected in Kwale, Mombasa, Kilifi and Lamu. Small boats and crafts are advised to be cautious while venturing into deep sea due to strong winds expected.

### 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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