



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

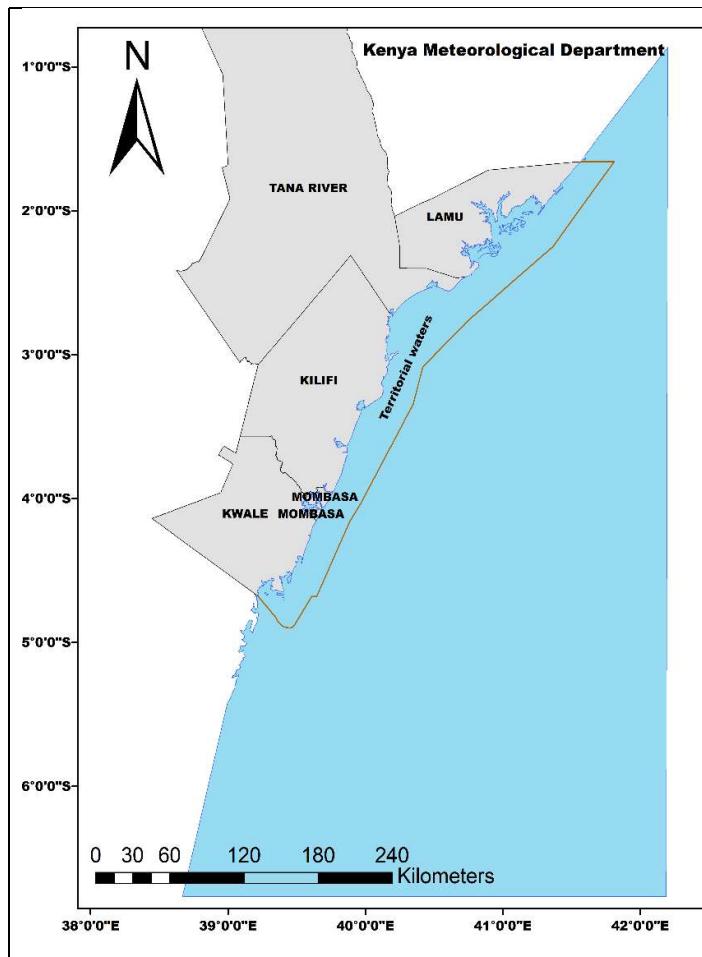
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

Issued at: 1500 EAT on 7<sup>th</sup> January, 2026

Valid: 0000 EAT on 8<sup>th</sup> January, 2026 to 0000 EAT on 9<sup>th</sup> January, 2026.



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to Fresh N to NNE winds (04-20knots) with smooth to choppy seas. ENE to E waves of 5-6ft (1.5-1.8m) with small to moderate short period waves of (8sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to strong breezy ENE winds (14-25knots) with moderate to choppy seas. ENE to E waves of 5-6ft (1.5-1.8m) with small to moderate short period waves of (7-8sec) 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: N 15 to 20 knots.
- Morning Waves: ENE 6 feet at 8 seconds.
- Morning sea state: Moderate to strong N winds with choppy seas. Moderate short period waves.
- Afternoon Winds: NE 19 to 20 knots.
- Afternoon Waves: ENE 6 feet at 8 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Moderate short period waves.
- Sunrise: **6:19AM** and sunset: **6:40PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **7:14AM;3.36m, 7:47PM;3.09m**
- Low Tide: **1:00AM;0.63m, 1:29PM;0.49m**

### **ii. MOMBASA**

- Morning Winds: N 10 to 18 knots.
- Morning Waves: ENE 5 feet at 8 seconds.
- Morning sea state: Breezy N winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: ENE 15 to 19 knots.
- Afternoon Waves: ENE 5 feet at 8 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Small short period waves.
- Sunrise: **6:17AM** and sunset: **6:38PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **7:19AM;3.25m, 7:52PM;3.08m**
- Low Tide: **1:06AM;0.63m, 1:32PM;0.47m**

### **iii. KILIFI**

- Morning Winds: NNE 17 to 20 knots.
- Morning Waves: ENE 6 feet at 8 seconds.
- Morning sea state: Moderate to strong NNE winds with choppy seas. Moderate short period waves.
- Afternoon Winds: ENE 16 to 20 knots.
- Afternoon Waves: ENE 6 feet at 8 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Moderate short period waves.
- Sunrise: **6.18AM** and sunset: **6:37PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:09AM;2.97m, 7:43PM;2.81m**
- Low Tide: **00:59AM;0.50m, 1:24PM;0.33m**

### **iv. LAMU**

- Morning Winds: N 4 to 7 knots.
- Morning Waves: E 5 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: ENE 14 to 25 knots.
- Afternoon Waves: E 6 feet at 7 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Moderate short period waves.
- Sunrise: **6:15AM** and Sunset: **6:30PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:08AM;2.86m, 7:44PM;2.69m**
- Low Tide: **1:00AM;0.49m, 1:26PM;0.3m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.5-1.8m in Kwale, Mombasa, Kilifi and Lamu.
- Light to strong breeze of 04-25knots 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 (≈ 1.8 – 3.0 ft)	Slight	Conditions suitable for Marine activities
1.0 – 1.9 m (≈ 3.0 – 5.7 ft)	Slight – Moderate	
2.0 – 2.9 m (≈ 6.0 – 8.7 ft)	Moderate-Rough	Caution on operating marine activities
3.0 – 4.0 m (≈ 9.0 – 12.0 ft)	Rough	Warning in place!!!!
4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough	Warning in place and marine activities on hold

### **KEY ON SEA STATE**

WIND	RANGE	DESCRIPTIONS	IMPACT
	< 1 – 6 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 – ≥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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**For**  
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