



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND**  
**FORESTRY**

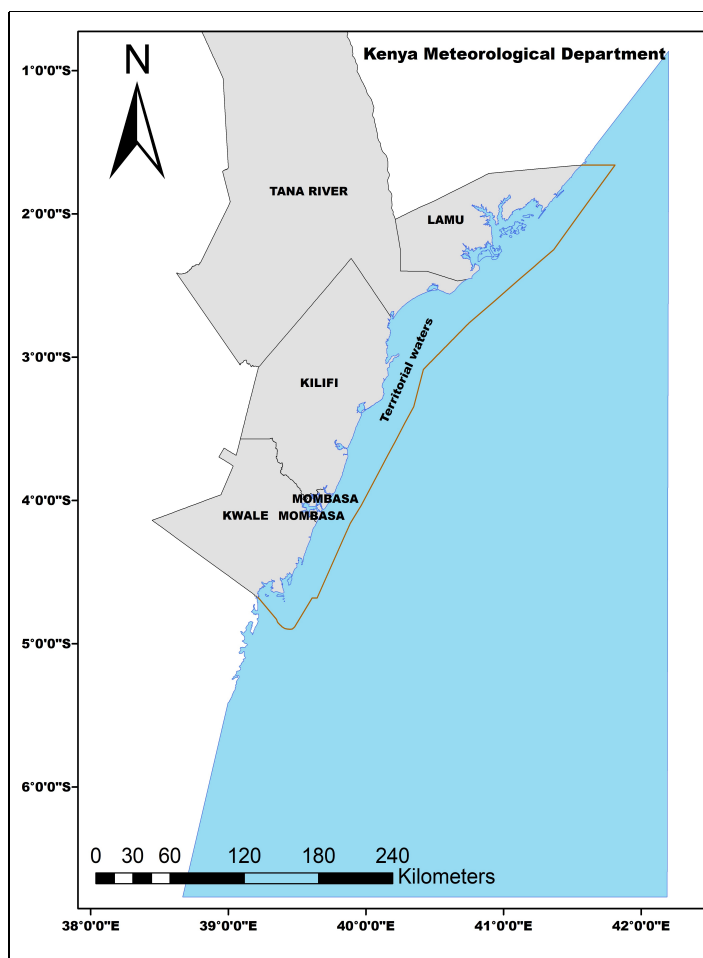
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 3<sup>rd</sup> March, 2025**

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



**GENERAL OUTLOOK**

**Morning sea state:**

- Light and variable winds (03-07 knots) with slight choppy seas. ESE waves of 3 feet (1.5m) with small period waves of (6 -12 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light E to SE winds (09-15 knots) with slight choppy seas. ESE waves of 2-3 feet (0.6m – 0.9m) with small period waves of (6-11 sec) 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: ESE 4 knots.
- Morning Waves: NE 3 feet at 6 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small very short period waves.
- Afternoon Winds: E 13 to 15 knots.
- Afternoon Waves: NE 2 feet at 6 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Very small very short period waves.
- Visibility: Moderate (9-10 km)
- High Tide: **06:46 AM; 3.4m, 07:09 PM; 3.7m,**
- Low Tide: **00:43AM; 0.19m, 12:50 PM;0.23m**

### **ii. MOMBASA**

- Morning Winds: SE 6 to 7 knots.
- Morning Waves: SSE 3 feet at 12 seconds.
- Morning sea state: Light SE winds with a slight chop. Very small mid period waves.
- Afternoon Winds: E 9 to 11 knots.
- Afternoon Waves: SSE 2 feet at 11 seconds.
- Afternoon sea state: Light E winds with a slight chop. Very small mid period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **06:55 AM; 3.4m, 07:16PM; 3.7m,**
- Low Tide: **00:48AM; 0.18m, 12:51PM; 0.24m**

### **iii. KILIFI**

- Morning Winds: SE 5 to 7 knots.
- Morning Waves: S 3 feet at 12 seconds.
- Morning sea state: Light SE winds with a slight chop. Small mid period waves.
- Afternoon Winds: E 10 to 11 knots.
- Afternoon Waves: SSE 3 feet at 11 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Very small mid period waves.
- Sunrise; **5:57AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **06:43AM; 3.0m, 07:04PM; 3.4m,**
- Low Tide; **00:41AM; 0.04m, 12:43PM;0.09m**

### **iv. LAMU**

- Morning Winds: ESE 3 to 4 knots.
- Morning Waves: SSE 3 feet at 11 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: ESE 9 to 12 knots.
- Afternoon Waves: SSE 3 feet at 11 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small mid period waves.
- Sunrise; **00:38AM** and sunset; **6:10PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **06:43 AM; 2.9m, 7:05 PM; 3.3m,**
- Low Tide: **00:43 AM; 0.04m, 12:44 PM; 0.08m**

### Advisory

- Relatively calm conditions are expected with a significant wave height of 0.6m – 0.9m in Kwale, Mombasa, Kilifi and Lamu.
- Calm breeze to Gentle breeze of (03-15 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!!!! Warning in place and marine activities on hold
4.1 – 5.5 m ( $\approx$ 12.3 – 16.5 ft)	Very Rough	

### 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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**For**  
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