



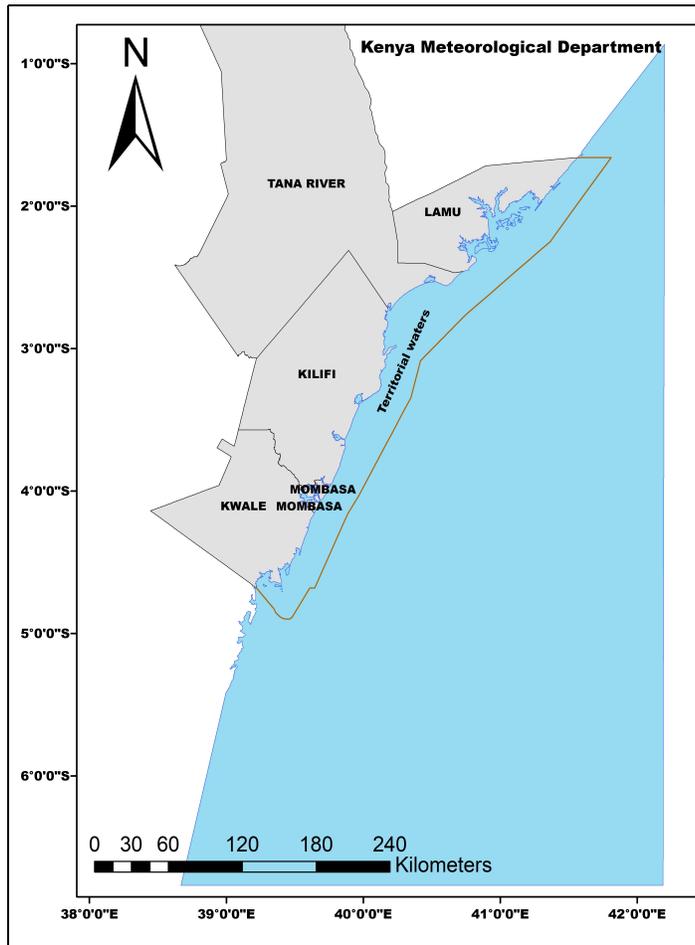
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

Issued at: 1500 EAT on 5<sup>th</sup> March, 2025

Valid: 0000 EAT on 6<sup>th</sup> March 2025 to 0000 EAT on 7<sup>th</sup> March 2025



**GENERAL OUTLOOK**

**Morning sea state:**

- Light and variable winds (02-04 knots) with slight choppy seas. ESE waves of 2 feet (0.6m) with small period waves of (10 - sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light E to SE winds (09-13 knots) with slight choppy seas. ESE waves of 2 feet (0.6m) with small period waves of (10 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: SE 4 knots.
- Morning Waves: SE 2 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small mid period waves.
- Afternoon Winds: E 12 to 13 knots.
- Afternoon Waves: SE 2 feet at 10 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Very small mid period waves.
- Visibility: Moderate (9-10 km)
- High Tide: **08:07 AM; 2.7m, 08:40 PM; 3.0m,**
- Low Tide: **02:08AM; 0.8m, 02:05 PM;0.9m**

### ii. MOMBASA

- Morning Winds: S 2 to 4 knots.
- Morning Waves: SSE 2 feet at 11 seconds
- Morning sea state: Light and variable winds with smooth seas. Very small mid period waves.
- Afternoon Winds: ESE 10 to 12 knots.
- Afternoon Waves: SE 2 feet at 10 seconds.
- Afternoon sea state: Breezy ESE winds with moderate choppy seas. Very small mid period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **08:14 AM; 2.7m, 08:46PM; 3.1m,**
- Low Tide: **02:15AM; 0.8m, 02:05PM; 0.8m**

### iii. KILIFI

- Morning Winds: SW 2 to 3 knots.
- Morning Waves: SSE 2 feet at 11 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small mid period waves.
- Afternoon Winds: SE 10 to 11 knots.
- Afternoon Waves: SSE 2 feet at 10 seconds.
- Afternoon sea state: Breezy SE winds with moderate choppy seas. Very small mid period waves.
- Sunrise; **5:57AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **08:01AM; 2.3m, 08:33PM; 2.7m,**
- Low Tide; **02:07AM; 0.6m, 01:56PM;0.7m**

### iv. LAMU

- Morning Winds: SE 3 knots.
- Morning Waves: SSE 2 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small mid period waves.
- Afternoon Winds: ESE 9 to 12 knots.
- Afternoon Waves: SSE 2 feet at 10 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: **08:00 AM; 2.2m, 08:34 PM; 2.7m,**
- Low Tide: **02:10 AM; 0.6m, 01:56 PM; 0.6m**

**Advisory**

- Relatively calm conditions are expected with a significant wave height of 0.6m in Kwale, Mombasa, Kilifi and Lamu.
- Calm breeze to Gentle breeze of (02-13 knots) expected in Kwale, Mombasa, Kilifi and 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!!!! Warning in place and marine activities on hold
4.1 – 5.5 m (≈ 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 – ≥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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