



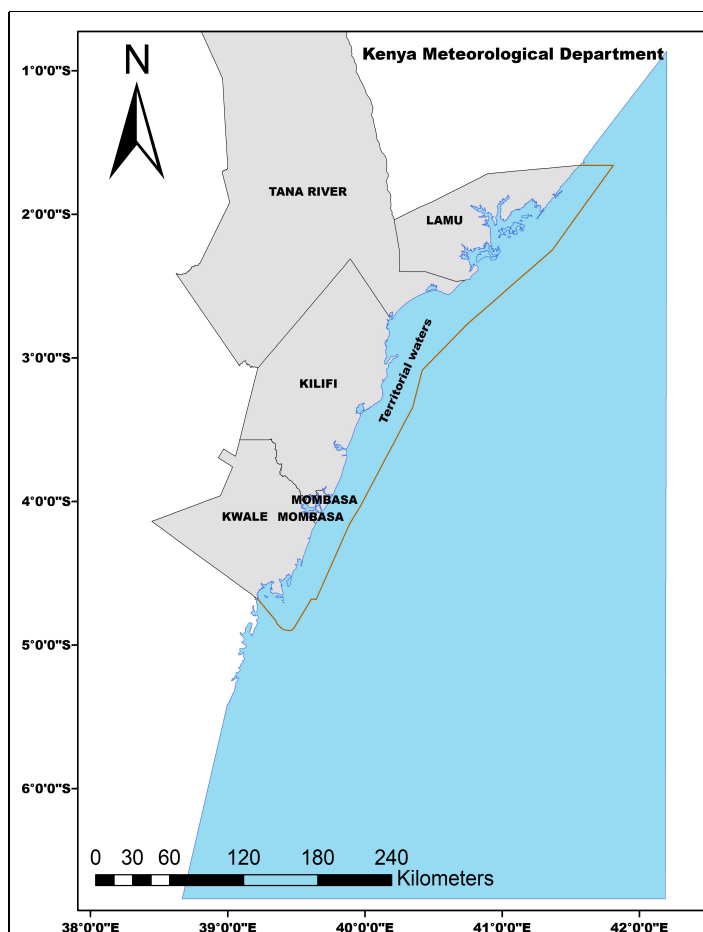
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

Issued at: 1500 EAT on 7<sup>th</sup> April, 2025

Valid: 0000 EAT on 8<sup>th</sup> April 2025 to 0000 EAT on 9<sup>th</sup> April 2025



**GENERAL OUTLOOK**

**Morning sea state:**

- Light S to SW winds (04-12 knots) with slight choppy seas. SE waves of 2-3ft (0.6-0.9m) with small period waves of (6-11sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light to breezy S to SSE winds (08-13 knots) with slight to moderate choppy seas. ESE waves of 2-3feet (0.6-0.9m) with small period waves of (11sec) 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: SW 9 to 12 knots.
- Morning Waves: SE 2 feet at 6 seconds.
- Morning sea state: Light SW winds with a slight chop. Very small very short period waves.
- Afternoon Winds: SSE 8 to 11 knots.
- Afternoon Waves: SE 2 feet at 11 seconds.
- Afternoon sea state: Light SSE winds with a slight chop. Very small mid period waves.
- Sunrise; **6:23AM** and sunset; **6:25PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **1:29AM; 2.74m, 2:14PM; 2.67m**
- Low Tide: **8:09AM; 1.04m, 8:19PM; 1.13m**

### **ii. MOMBASA**

- Morning Winds: SW 6 to 9 knots.
- Morning Waves: SE 3 feet at 6 seconds.
- Morning sea state: Light SW winds with a slight chop. Very small very short period waves.
- Afternoon Winds: S 11 to 13 knots.
- Afternoon Waves: SE 3 feet at 11 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Very small mid period waves.
- Sunrise; **6:22AM** and sunset; **6:24PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **1:38AM; 2.62m, 2:22PM; 2.6m**
- Low Tide: **8:08AM; 1.1m, 8:23PM; 1.15m**

### **iii. KILIFI**

- Morning Winds: SSW 9 to 10 knots.
- Morning Waves: SE 3 feet at 6 seconds.
- Morning sea state: Light SSW winds with a slight chop. Very small very short period waves.
- Afternoon Winds: SSE 13 knots.
- Afternoon Waves: SE 3 feet at 11 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Very small mid period waves.
- Sunrise; **6:20AM** and sunset; **6:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **1:33AM; 2.35m, 2:18PM; 2.36m**
- Low Tide: **8:02AM; 0.86m, 8:17PM; 0.95m**

### **iv. LAMU**

- Morning Winds: S 4 knots.
- Morning Waves: SE 3 feet at 11 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small mid period waves.
- Afternoon Winds: SSE 8 to 13 knots.
- Afternoon Waves: SE 3 feet at 11 seconds.
- Afternoon sea state: Light SSE winds with a slight chop. Very small mid period waves.
- Sunrise; **6:16AM** and Sunset; **6:20PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **1:32AM; 2.25m, 2:19PM; 2.25m**
- Low Tide: **8:03AM; 0.82m, 8:17PM; 0.92m**

### Advisory

- Slight to moderate sea conditions are expected with a significant wave height of 0.6-0.9m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (04-13 knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period.

### 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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