



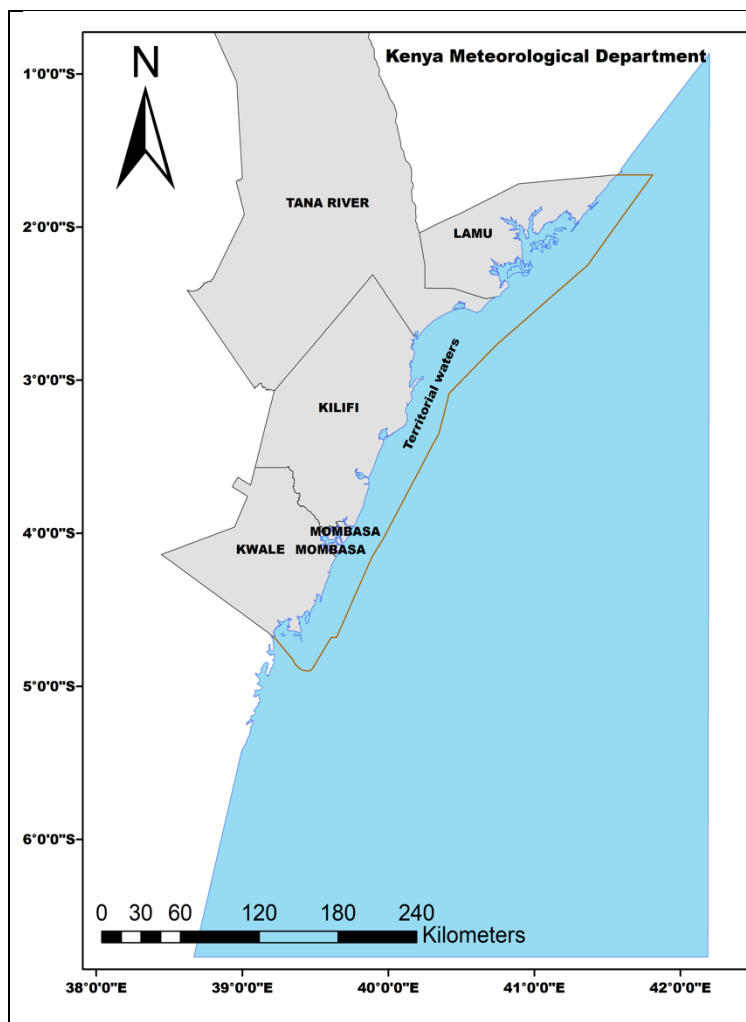
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 22<sup>nd</sup> May, 2025**

**Valid: 0000 EAT on 23<sup>rd</sup> May 2025 to 0000 EAT on 24<sup>th</sup> May 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to strong SSW winds (04-24knots) with slight to very choppy seas. ESE waves of 5-6ft (1.5-1.6m) with small to moderate period waves of (8-9sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to moderately strong S to SSW winds (11-25knots) with moderate to very choppy seas. SE to ESE waves of 5-7feet (1.5-2.1m) with moderate 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: SSW 15 to 21 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Moderate to strong SSW winds with choppy seas. Small short period waves.
- Afternoon Winds: S 15 to 22 knots.
- Afternoon Waves: ESE 5 feet at 8 seconds.
- Afternoon sea state: Moderate to strong S winds with choppy seas. Moderate short period waves.
- Sunrise; **6:22AM** and sunset; **6:15PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **00:36AM; 2.7m, 1:12PM; 3.14m**
- Low Tide: **6:41AM;0.91m, 7:32PM;0.87m**

### **ii. MOMBASA**

- Morning Winds: SSW 16 to 23 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Moderate to strong SSW winds with choppy seas. Moderate short period waves.
- Afternoon Winds: SSW 16 to 25 knots.
- Afternoon Waves: SE 6 feet at 8 seconds.
- Afternoon sea state: Moderate to strong SSW winds with choppy seas. Moderate short period waves.
- Sunrise; **6:20AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **00:35AM; 2.6m, 1:12PM; 3.05m**
- Low Tide: **6:40AM; 0.91m, 7:34PM;0.83m**

### **iii. KILIFI**

- Morning Winds: SSW 20 to 24 knots.
- Morning Waves: ESE 6 feet at 9 seconds.
- Morning sea state: Strong SSW winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Afternoon Winds: SSW 18 to 25 knots.
- Afternoon Waves: SE 7 feet at 7 seconds.
- Afternoon sea state: Moderate to strong SSW winds with choppy seas. Moderate short period waves.
- Sunrise; **6:19AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:25AM; 2.36m, 1:02PM; 2.78m**
- Low Tide: **6:32AM; 0.76m, 7:25PM;0.69m**

### **iv. LAMU**

- Morning Winds: SSW 4 to 11 knots.
- Morning Waves: ESE 5 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Moderate short period waves.
- Afternoon Winds: SSW 11 to 22 knots.
- Afternoon Waves: SSE 6 feet at 7 seconds.
- Afternoon sea state: Breezy SSW winds with moderate choppy seas. Moderate short period waves.
- Sunrise; **6:13AM** and Sunset; **6:13PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:24AM; 2.25m, 1:03PM; 2.68m**
- Low Tide: **6:33AM; 0.73m, 7:28PM;0.67m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.5-2.1m in Kwale, Mombasa, Kilifi and Lamu. Small boats and crafts are advised to be cautious in Kilifi due to moderate waves expected.
- Light to strong breeze of (04-25knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised not to venture into deep sea especially in Kilifi and Mombasa 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!!!! 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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