



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

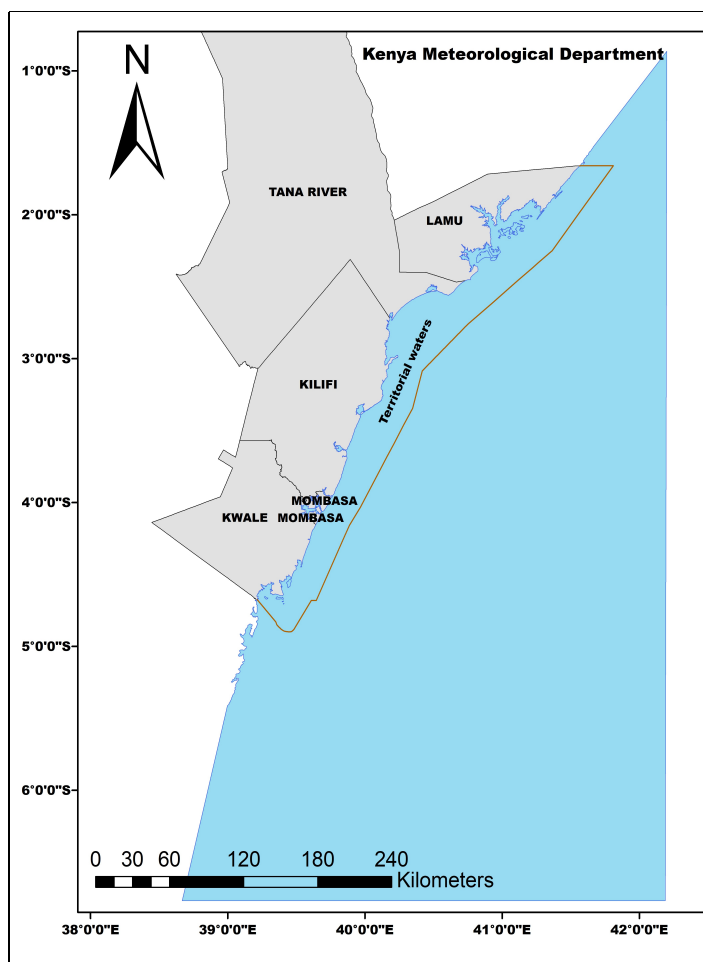
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

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

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



**GENERAL OUTLOOK**

**Morning sea state:**

- Breezy to strong S winds (11-31knots) with moderate to very choppy seas. SE to SSE waves of 8-9ft (2.4-2.7m) with moderate period waves of 9sec are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to strong S to SSE winds (13-29knots) with moderate to choppy seas. SE to SSE waves of 7-10feet (2.1-3.0m) with moderate period waves of 9sec 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: S 21 to 27 knots.
- Morning Waves: SE 8 feet at 9 seconds.
- Morning sea state: Strong S winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Afternoon Winds: SSE 17 to 23 knots.
- Afternoon Waves: SE 7 feet at 9 seconds.
- Afternoon sea state: Moderate to strong SSE winds with choppy seas. Moderate short period waves.
- Sunrise; **6:31AM** and sunset; **6:26PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **12:30PM; 2.65m**
- Low Tide: **5:05AM;1.51m, 7:40PM;1.4m**

### **ii. MOMBASA**

- Morning Winds: S 20 to 27 knots.
- Morning Waves: SE 8 feet at 9 seconds.
- Morning sea state: Strong S winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Afternoon Winds: SSE 20 to 25 knots.
- Afternoon Waves: SE 8 feet at 9 seconds.
- Afternoon sea state: Strong SSE winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Sunrise; **6:29AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **12:17PM; 2.5m**
- Low Tide: **5:07AM; 1.41m, 7:27PM;1.34m**

### **iii. KILIFI**

- Morning Winds: S 24 to 31 knots.
- Morning Waves: SE 9 feet at 9 seconds.
- Morning sea state: Strong S winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Afternoon Winds: S 25 to 29 knots.
- Afternoon Waves: SSE 10 feet at 9 seconds.
- Afternoon sea state: Strong S winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Sunrise; **6:27AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **12:13PM; 2.25m**
- Low Tide: **4:52AM; 1.29m, 7:32PM;1.15m**

### **iv. LAMU**

- Morning Winds: S 11 to 21 knots.
- Morning Waves: SE 8 feet at 9 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: S 13 to 24 knots.
- Afternoon Waves: SSE 8 feet at 9 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Sunrise; **6:21AM** and Sunset; **6:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **12:13PM; 2.18m, 11:17PM; 1.6m**
- Low Tide: **4:50AM; 1.22m, 7:37PM;1.09m**

### **Advisory**

- Moderate to rough sea conditions are expected with a significant wave height of 2.1-3.0m in Kwale, Mombasa, Kilifi and Lamu. Small boats and crafts are advised not to venture into deep sea in Kwale, Mombasa and Kilifi.
- Gentle to strong breeze of (11-31knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised not to venture into deep sea in Kwale, Mombasa and Kilifi.

### **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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