



## REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE

### KENYA METEOROLOGICAL DEPARTMENT

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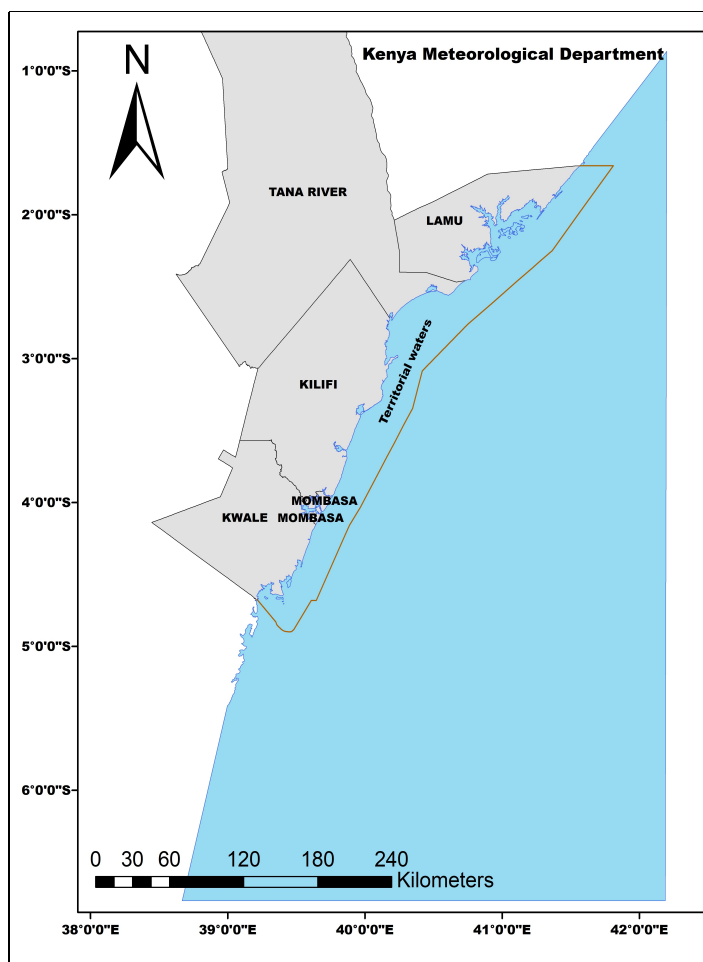
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## DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 17<sup>th</sup> July, 2025

Valid: 0000 EAT on 18<sup>th</sup> July, 2025 to 0000 EAT on 19<sup>th</sup> July, 2025



### GENERAL OUTLOOK

#### **Morning sea state:**

- Light to breezy S to SSE winds (08-18 knots) with slight to moderate choppy seas. ESE waves of 6-7ft (1.8-2.1m) with moderate period waves of 11sec are expected in Kwale, Mombasa, Kilifi and Lamu.

#### **Afternoon sea state:**

- Light to breezy S winds (10-18 knots) with slight to moderate choppy seas. ESE waves of 6-7feet (1.8-2.1m) with moderate period waves of 9-11sec 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: S 11 to 16 knots.
- Morning Waves: E SE 5 feet at 11 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: S 11 to 16 knots.
- Afternoon Waves: ESE 6 feet at 11 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves..
- Sunrise; **6:32AM** and sunset; **6:25PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **9:26AM; 3.05, 9:41PM; 2.59m**
- Low Tide: **2:49AM;0.75m, 3:38PM;1.08m**

### **ii. MOMBASA**

- Morning Winds: SSE 12 to 17 knots.
- Morning Waves: ESE 6 feet at 11 seconds.
- Morning sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: S 12 to 18 knots.
- Afternoon Waves: ESE6 feet at 11 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:30AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **9:26AM; 3.03m, 9:43PM; 2.49m**
- Low Tide: **2:49AM; 0.7m, 3:44PM;0.99m**

### **iii. KILIFI**

- Morning Winds: S 8 to 16 knots.
- Morning Waves: ESE7 feet at 11 seconds.
- Morning sea state: Light S winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 11 to 18 knots.
- Afternoon Waves: ESE 7 feet at 11 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:28AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **9:13AM; 2.78m, 9:28PM; 2.25m**
- Low Tide: **2:39AM; 0.6m, 3:34PM;0.88m**

### **iv. LAMU**

- Morning Winds: SSE 8 to 18 knots.
- Morning Waves: ESE6 feet at 11 seconds.
- Morning sea state: Light SSE winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 10 to 17 knots.
- Afternoon Waves: ESE 6 feet at 9 seconds.
- Afternoon sea state: Light S winds with a slight chop. Moderate short period waves.
- Sunrise; **6:22AM** and Sunset; **6:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **9:14AM; 2.68m, 9:27PM; 2.14m**
- Low Tide: **2:39AM; 0.56m, 3:36PM;0.85m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.8-2.1m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (08-18 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!!!! 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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