



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

Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya

Telephone: 254 (0) 20 3867880-7, Fax: 254 (0) 20 3876955/3877373/3867888,

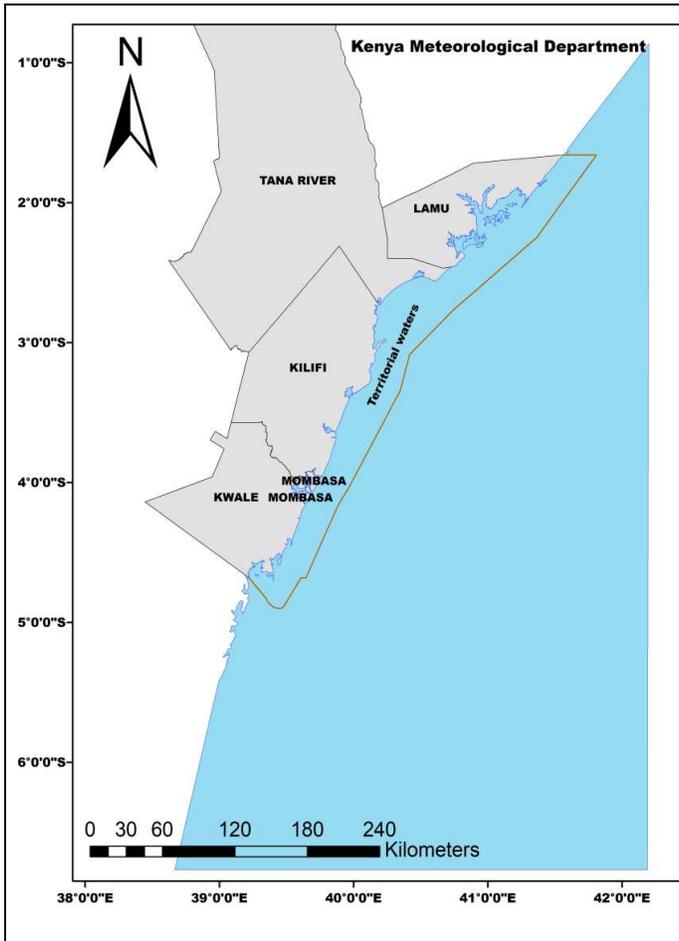
e-mail: [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) Website: <http://www.meteo.go.ke>

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

Issued at: 1500 EAT on 2<sup>nd</sup> September 2025

Valid: 0000 EAT on 3<sup>rd</sup> September 2025 to 0000 EAT on 4<sup>th</sup> September 2025



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to Fresh breeze SSW to SSE winds (06 -16 knots) with choppy seas. ESE waves of 5 - 7 feet (1.5m – 2.1m) with period waves of (9 – 10 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to Fresh breeze S to SSE winds (10 - 18 knots) with choppy seas. SE to ESE waves of 5 - 7 feet (1.5m – 2.1m) with period waves of (10 - sec) 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 14 to 15 knots.
- Morning Waves: ESE 5 feet at 10 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Small mid period waves.
- Afternoon Winds: SSE 14 to 18 knots.
- Afternoon Waves: ESE 5 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Small mid period waves.
- Sunrise; **06:32AM** and sunset; **06:27PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **01:19AM; 2.1m, 01:31PM; 2.7m,**
- Low Tide: **06:44AM; 1.6m, 08:26PM; 1.2m**

### **ii. MOMBASA**

- Morning Winds: SSW 11 to 16 knots.
- Morning Waves: ESE 6 feet at 10 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 14 to 18 knots.
- Afternoon Waves: ESE 6 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **06:30AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **01:14AM; 1.9m, 01:22 PM; 2.5m,**
- Low Tide: **06:32AM; 1.6m, 08:19PM; 1.2m**

### **iii. KILIFI**

- Morning Winds: SSW 7 to 15 knots.
- Morning Waves: ESE 6 feet at 10 seconds.
- Morning sea state: Light SSW winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 12 to 18 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **06:29AM** and sunset; **06:26PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **01:41AM; 1.7m, 01:22PM; 2.3m,**
- Low Tide; **06:31AM; 1.4m; 08:20PM; 1.0m;**

### **iv. LAMU**

- Morning Winds: SSE 6 to 15 knots.
- Morning Waves: ESE 7 feet at 9 seconds.
- Morning sea state: Light SSE winds with a slight chop. Moderate short period waves.
- Afternoon Winds: SSE 10 to 17 knots.
- Afternoon Waves: SE 7 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **06:22AM** and sunset; **06:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **01.45AM; 1.6m, 01.20PM; 2.2m,**
- Low Tide: **06:28AM; 1.4m, 08:23PM; 0.9m**

**Advisory**

- Moderate Sea conditions are expected with a wave height of 1.5m – 2.1m in Kwale, Mombasa, Kilifi and Lamu. Caution on operating marine activities
- Light to Fresh breeze of (06 - 18 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!!!!
4.1 – 5.5 m (≈ 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 – ≥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.*

**Mr. Kainga M. Misheck**  
**Duty Analyst**  
**Marine Forecasting Services**

**For DIRECTOR,**  
**KENYA METEOROLOGICAL DEPARTMENT**