



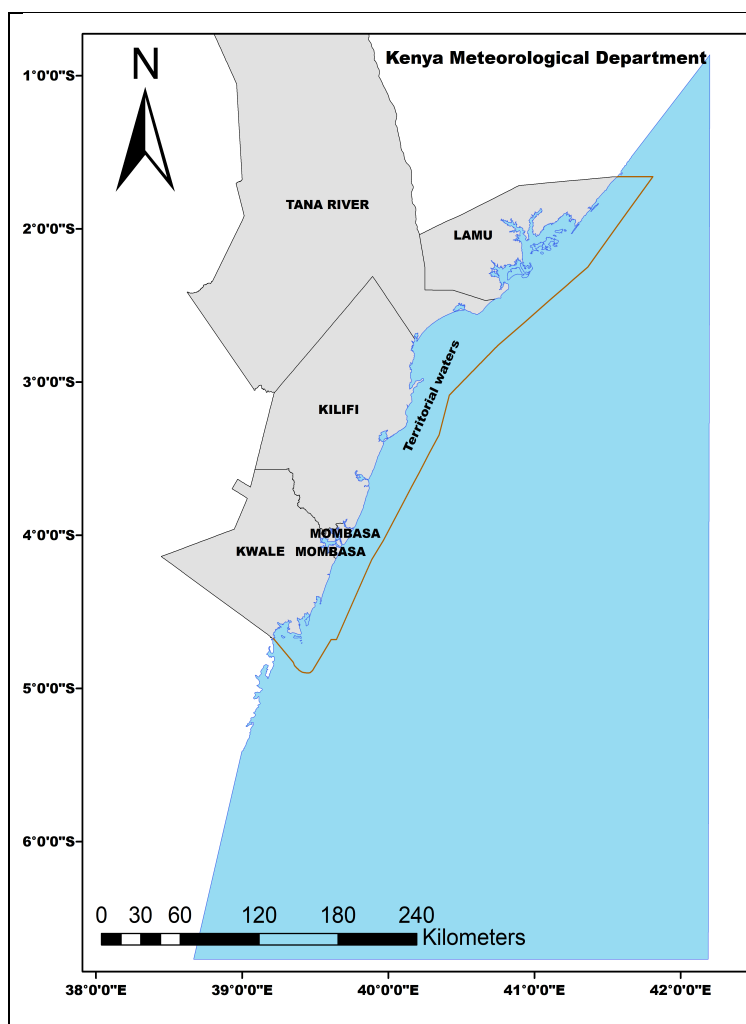
**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE**  
**KENYA METEOROLOGICAL DEPARTMENT**

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>

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

**Issued at: 1500 EAT on 8<sup>th</sup> May, 2025**

**Valid: 0000 EAT on 9<sup>th</sup> May 2025 to 0000 EAT on 10<sup>th</sup> May 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to strong SW to SSW winds (05-24knots) with slight to choppy seas. SE to SSE waves of 5-7ft (1.5-2.1m) with small to moderate period waves of (7-8sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy to strong S to SSW winds (08-22knots) with slight to choppy seas. SE to SSE waves of 5-6feet (1.5-1.8m) with small period waves of (6-8sec) 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: SW 14 to 19 knots.
- Morning Waves: SE 5 feet at 8 seconds.
- Morning sea state: Breezy SW winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: S 17 to 21 knots.
- Afternoon Waves: SSE 5 feet at 6 seconds.
- Afternoon sea state: Moderate to strong S winds with choppy seas. Small very short period waves.
- Sunrise; **6:21AM** and sunset; **6:16PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **2:23AM; 2.89m, 2:39PM; 3.19m**
- Low Tide: **8:29AM;0.86m, 8:58PM;0.7m**

### ii. MOMBASA

- Morning Winds: SW 14 to 21 knots.
- Morning Waves: SE 6 feet at 8 seconds.
- Morning sea state: Breezy SW winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: SSW 17 to 22 knots.
- Afternoon Waves: SE 5 feet at 8 seconds.
- Afternoon sea state: Moderate to strong SSW winds with choppy seas. Moderate short period waves.
- Sunrise; **6:19AM** and sunset; **6:16PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **2:32AM; 2.71m, 2:48PM; 3.12m**
- Low Tide: **8:26AM; 0.86m, 9:03PM;0.75m**

### iii. KILIFI

- Morning Winds: SSW 20 to 24 knots.
- Morning Waves: SE 7 feet at 7 seconds.
- Morning sea state: Strong SSW winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Afternoon Winds: S 20 to 22 knots.
- Afternoon Waves: SE 6 feet at 7 seconds.
- Afternoon sea state: Strong S winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Sunrise; **6:17AM** and sunset; **6:16PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:23AM; 2.47m, 2:38PM; 2.85m**
- Low Tide: **8:18AM; 0.7m, 8:54PM;0.57m**

### iv. LAMU

- Morning Winds: SSW 5 to 16 knots.
- Morning Waves: SSE 6 feet at 8 seconds.
- Morning sea state: Light SSW winds with a slight chop. Moderate short period waves.
- Afternoon Winds: S 8 to 19 knots.
- Afternoon Waves: SE 6 feet at 7 seconds.
- Afternoon sea state: Light S winds with a slight chop. Moderate short period waves.
- Sunrise; **6:12AM** and Sunset; **6:13PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:23AM; 2.35m, 2:39PM; 2.74m**
- Low Tide: **8:19AM; 0.67m, 8:57PM;-0.55m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.5-2.1m in Kwale, Mombasa, Kilifi and Lamu.
- Light to strong breeze of (05-24knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised not to venture into deep sea areas Mombasa and Kilifi due to strong winds expected.

### **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.*

OCHIEN'G PHILLIP OKELLO  
FOR DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT