



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

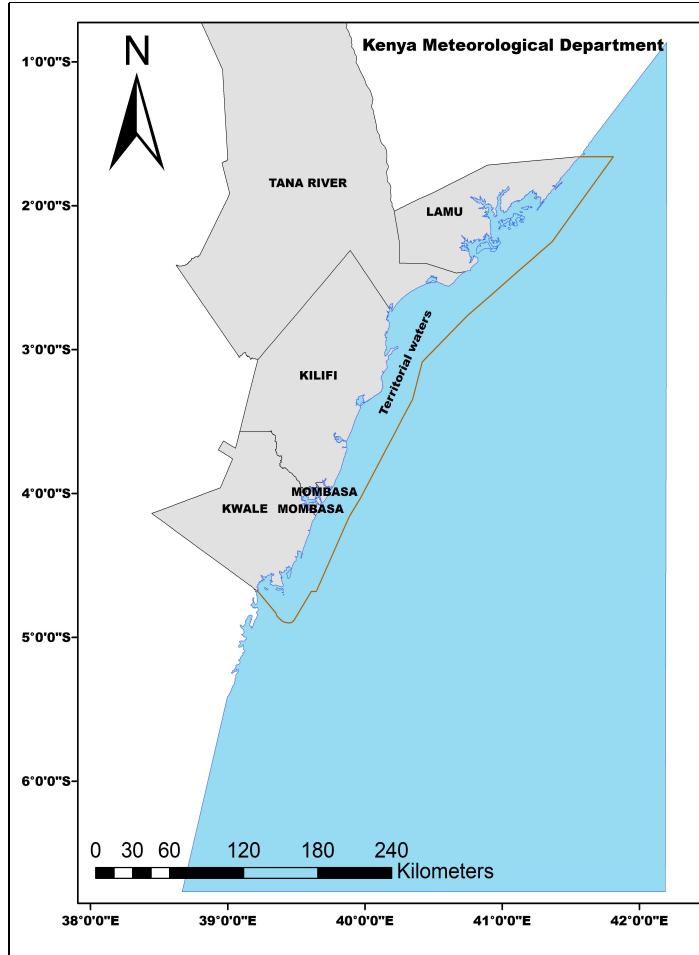
Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya  
Telephone: 254 (0) 20 3867880-7, Fax: 254 (0) 20 3876955/3877373/3867888,  
e-mail: [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) Website: <http://www.meteo.go.ke>

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

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

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



**GENERAL OUTLOOK**

**Morning sea state:**

- Gentle breeze NNW to NNE winds (07-14 knots) with smooth to moderate choppy seas. ENE to ESE waves of 4-5 ft (0.6-1.5 m) with small short period waves of (7-9 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to fresh breeze E to NE winds (8-22 knots) with small to moderate choppy seas. ENE to E waves of 4-5 ft (0.6-1.5 m) with very small to small period waves of (7-8 sec) 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: N 11 to 14 knots.
- Morning Waves: ESE 4 feet at 7 seconds.
- Morning sea state: Breezy N winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: NE 19 to 22 knots.
- Afternoon Waves: ENE 5 feet at 7 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Small short period waves.
- Sunrise: **6:09AM** and sunset: **6:33PM**
- Visibility: Moderate (9-10 km)
- High Tide: **5:51AM;3.44m, 6:19PM;2.9m**
- Low Tide: **12:15PM;0.54m**

### **ii. MOMBASA**

- Morning Winds: NNW 5 to 7 knots.
- Morning Waves: ESE 4 feet at 9 seconds.
- Morning sea state: Light NNW winds with a slight chop. Small short period waves.
- Afternoon Winds: NE 15 to 20 knots.
- Afternoon Waves: ENE 5 feet at 8 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Small short period waves.
- Sunrise: **6:09AM** and sunset: **6:31PM**
- Visibility: Moderate (9-10 km)
- High Tide: **5:54AM;3.38m, 6:26PM;2.82m**
- Low Tide: **12:17AM;0.47m**

### **iii. KILIFI**

- Morning Winds: NNE 10 to 12 knots.
- Morning Waves: ENE 5 feet at 7 seconds.
- Morning sea state: Breezy NNE winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: NE 17 to 19 knots.
- Afternoon Waves: ENE 5 feet at 7 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Moderate short period waves.
- Sunrise: **6.09AM** and sunset: **6:30PM**
- Visibility: Moderate (9-10km)
- High Tide: **5:45AM;3.1m, 6:17PM;2.58m**
- Low Tide: **12:11AM;0.30m**

### **iv. LAMU**

- Morning Winds: NNE 3 to 9 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: E 8 to 14 knots.
- Afternoon Waves: E 4 feet at 7 seconds.
- Afternoon sea state: Light E winds with a slight chop. Small short period waves.
- Sunrise: **6:07AM** and Sunset: **6:23PM**
- Visibility: Moderate (9-10km)
- High Tide: **5:45AM;3m, 6:19PM;2.45m**
- Low Tide: **12:14AM;0.27m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 0.6-1.5 m in Kwale, Mombasa, Kilifi and Lamu.
- Gentle to fresh breeze of 07-20 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 (≈ 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 – 6 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 & Mr. Peter M. Muriithi**  
**Duty Analysts**  
**Marine Forecasting Services**

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