



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

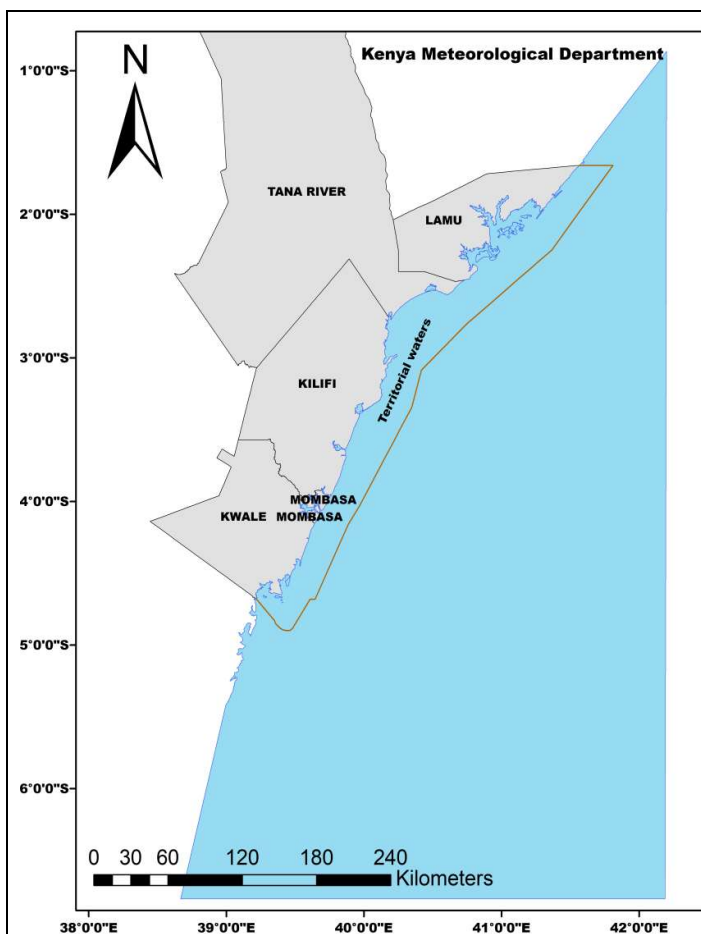
Telephone: 254 (0) 20 3867880-7, **Fax:** 254 (0) 20 3876955/3877373/3867888,

e-mail: director@meteo.go.ke, info@meteo.go.ke **Website:** <http://www.meteo.go.ke>

DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 14th December 2025

Valid: 0000 EAT on 15th December 2025 to 0000 EAT on 16th December 2025



GENERAL OUTLOOK

Morning sea state:

- Light breeze SE to WSW winds (03 - 07 knots) with light variable winds and smooth seas to slight choppy. ENE to SSE waves of 2 feet (0.6m) with period waves of (08 - 16 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Gentle breeze ESE to SE winds (09 - 11 knots) with slight to moderate choppy seas. ENE to SSE waves of 2 feet (0.6m) with period waves of (08 - 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 5 knots.
- Morning Waves: ENE 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves
- Afternoon Winds: ESE 9 to 10 knots.
- Afternoon Waves: ENE 2 feet at 8 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small short period waves.
- Sunrise; **06:07AM** and sunset; **06:28PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **00:53AM; 2.8m, 01:22PM; 2.5m**
- Low Tide: **07:27AM; 1.2m, 07:16PM; 1.2m**

ii. MOMBASA

- Morning Winds: WSW 3 knots.
- Morning Waves: E 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ESE 9 to 11 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small short period waves.
- Sunrise; **06:05AM** and sunset; **06:26PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **00:59AM; 2.8m, 01:27PM; 2.3m,**
- Low Tide: **07:29AM; 1.1m, 07:11PM; 1.1m**

iii. KILIFI

- Morning Winds: S 4 to 5 knots.
- Morning Waves: ENE 2 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ESE 10 to 11 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Breezy ESE winds with moderate choppy seas. Very small short period waves.
- Sunrise; **06:06AM** and sunset; **06:26PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:48AM; 2.5m, 01:21PM; 2.1m,**
- Low Tide; **07:24AM; 1.0m, 07:03PM; 1.0m,**

iv. LAMU

- Morning Winds: SE 7 knots.
- Morning Waves: SSE 2 feet at 16 seconds.
- Morning sea state: Light SE winds with a slight chop. Very small long period waves.
- Afternoon Winds: SE 9 to 10 knots.
- Afternoon Waves: SSE 2 feet at 10 seconds.
- Afternoon sea state: Light SE winds with a slight chop. Very small mid period waves.
- Sunrise; Sunrise; **06:03AM** and sunset; **06:18PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:49AM; 2.4m, 01:21PM; 2.0m,**
- Low Tide; **07:27AM; 0.9m, 07:03PM; 1.0m,**

Advisory

- Slight Sea conditions are expected with a wave height of 0.6m in Kwale, Mombasa, Kilifi and Lamu. Conditions suitable for Marine activities.
- Light to Gentle breeze of (03 - 11 knots) expected in Kwale, Mombasa, Kilifi and Lamu.

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.

Mr. Kainga M. Misheck
Duty Analyst
Marine Forecasting Services

For DIRECTOR,
KENYA METEOROLOGICAL DEPARTMENT