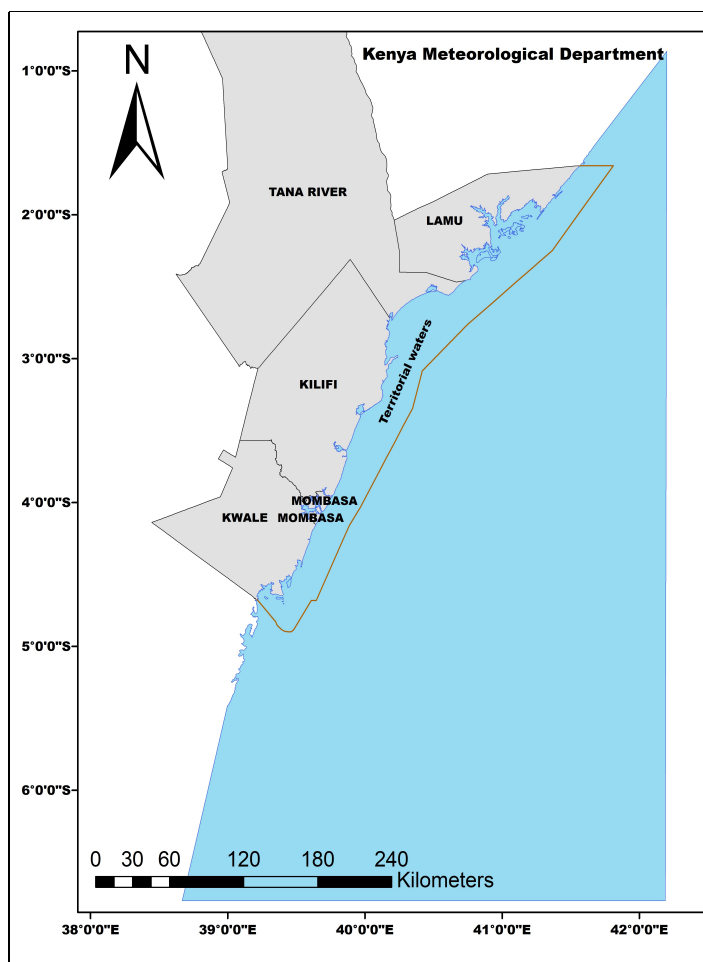




REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE
KENYA METEOROLOGICAL DEPARTMENT

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, info@meteo.go.ke **Website:** <http://www.meteo.go.ke>

DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST
Issued at: 1500 EAT on 22nd December, 2025
Valid: 0000 EAT on 23rd December, 2025 to 0000 EAT on 24th 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