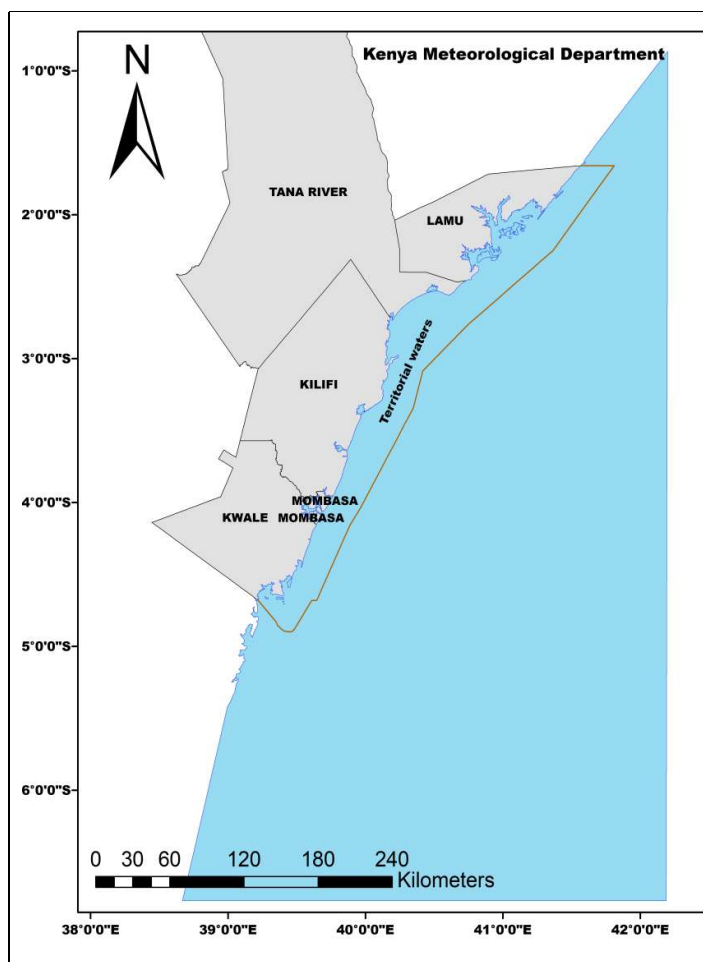




REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE
KENYA METEOROLOGICAL DEPARTMENT

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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST
Issued at: 1500 EAT on 17th December, 2025
Valid: 0000 EAT on 18th December, 2025 to 0000 EAT on 19th December, 2025



GENERAL OUTLOOK

Morning sea state:

- Light and variable NNW to predominantly E winds (03-08knots) with smooth to slight choppy seas. ESE waves of 3-4ft (0.9-1.2) with very small short period waves of (7sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Light to breezy ENE to E winds (8-14knots) with slight to moderate choppy seas. ESE waves of 3feet (0.9m) with very small to small period waves of (7sec) 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: NNW 3 to 5 knots.
- Morning Waves: ESE 3 feet at 7 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ENE 11 to 13 knots.
- Afternoon Waves: ESE 3 feet at 7 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Very small short period waves.
- Sunrise: **6:08AM** and sunset: **6:30PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **3:00AM;3.32m, 3:30M;2.75m**
- Low Tide: **9:32AM;0.68m, 9:17PM;0.87m**

ii. MOMBASA

- Morning Winds: ENE 6 to 7 knots.
- Morning Waves: ESE 3 feet at 7 seconds.
- Morning sea state: Light ENE winds with a slight chop. Very small short period waves.
- Afternoon Winds: ENE 10 to 11 knots.
- Afternoon Waves: ESE 3 feet at 7 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Very small short period waves.
- Sunrise: **6:07AM** and sunset: **6:28PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **3:07AM;3.18m, 3:37PM;2.62m**
- Low Tide: **9:34AM;0.7m, 9:17PM;0.85m**

iii. KILIFI

- Morning Winds: E 7 to 8 knots.
- Morning Waves: ESE 4 feet at 7 seconds.
- Morning sea state: Light E winds with a slight chop. Small short period waves.
- Afternoon Winds: E 10 to 11 knots.
- Afternoon Waves: ESE 3 feet at 7 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Small short period waves.
- Sunrise: **6:08AM** and sunset: **6:28PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:57AM;2.89m, 3:31PM;2.35m**
- Low Tide: **9:28AM;0.49m, 9:11PM;0.71m**

iv. LAMU

- Morning Winds: ENE 3 to 7 knots.
- Morning Waves: ESE 4 feet at 7 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: E 8 to 14 knots.
- Afternoon Waves: ESE 3 feet at 7 seconds.
- Afternoon sea state: Light E winds with a slight chop. Small short period waves.
- Sunrise: **6:05AM** and Sunset: **6:20PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:57AM;2.79m, 3:32PM;2.22m**
- Low Tide: **9:31AM;0.46m, 9:11PM;0.68m**

Advisory

- Slight sea conditions are expected with a significant wave height of 0.9-1.2m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of 03-14knots 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.

OKELLO & KIPROTICH
FOR DIRECTOR OF KENYA METEOROLOGICAL DEPARTMENT