



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

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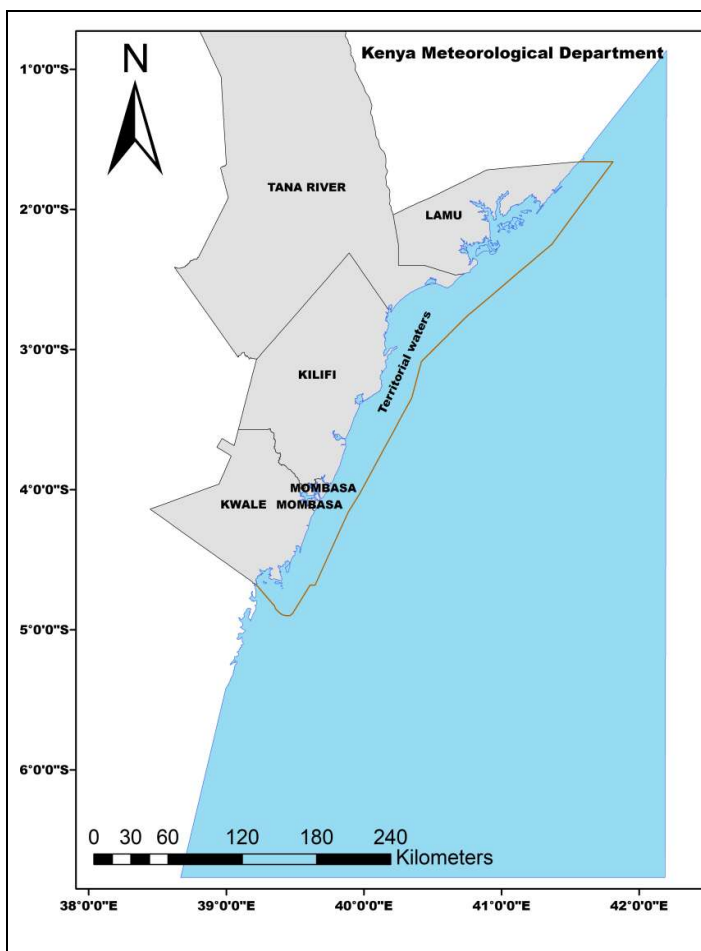
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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 11th December 2025

Valid: 0000 EAT on 12th December 2025 to 0000 EAT on 13th December 2025



GENERAL OUTLOOK

Morning sea state:

- Calm to Gentle breeze NE to ESE winds (01 - 08 knots) with light variable winds and smooth to slight choppy seas. ENE to ESE waves of 3 feet (0.9m) with period waves of (08 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Gentle to Fresh breeze ENE to ESE winds (07 -16 knots) with slight to moderate choppy seas. ENE to ESE waves of 2 - 3 feet (0.6m - 0.9m) with period waves of (08 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: NE 7 to 8 knots.
- Morning Waves: E 3 feet at 8 seconds.
- Morning sea state: Light NE winds with a slight chop. Very small short period waves.
- Afternoon Winds: ENE 14 to 16 knots.
- Afternoon Waves: ENE 3 feet at 8 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Very small short period waves.
- Sunrise; **06:06AM** and sunset; **06:27PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **09:43AM; 2.7m, 10:44PM; 2.6m,**
- Low Tide: **03:16AM; 1.3m, 03:59PM; 1.1m**

ii. MOMBASA

- Morning Winds: ENE 4 to 5 knots.
- Morning Waves: E 3 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ENE 10 to 12 knots.
- Afternoon Waves: E 2 feet at 8 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Very small short period waves.
- Sunrise; **06:04AM** and sunset; **06:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **09:37AM; 2.5m, 10:41PM; 2.6m,**
- Low Tide: **03:27AM; 1.3m, 04:00PM; 1.1m**

iii. KILIFI

- Morning Winds: E 1 knots.
- Morning Waves: E 3 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: E 9 to 11 knots.
- Afternoon Waves: E 3 feet at 8 seconds.
- Afternoon sea state: Light E winds with a slight chop. Very small short period waves.
- Sunrise; **06:05AM** and sunset; **06:25PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **09:27AM; 2.3m, 10:33PM; 2.4m,**
- Low Tide; **03:20AM; 1.1m, 03:47PM; 0.9m,**

iv. LAMU

- Morning Winds: ESE 3 knots.
- Morning Waves: ESE 3 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Very small short period waves.
- Afternoon Winds: ESE 7 to 12 knots.
- Afternoon Waves: ESE 2 feet at 8 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Very small short period waves.
- Sunrise; **06:02AM** and sunset; **06:17PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **09:25AM; 2.2m, 10:34PM; 2.3m,**
- Low Tide; **03:22AM; 1.1m, 03:48PM; 0.9m,**

Advisory

- Slight Sea conditions are expected with a wave height of 0.6m - 0.9m in Kwale, Mombasa, Kilifi and Lamu. Conditions suitable for Marine activities.
- Calm to Fresh breeze of (01 - 16 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.

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For
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