



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

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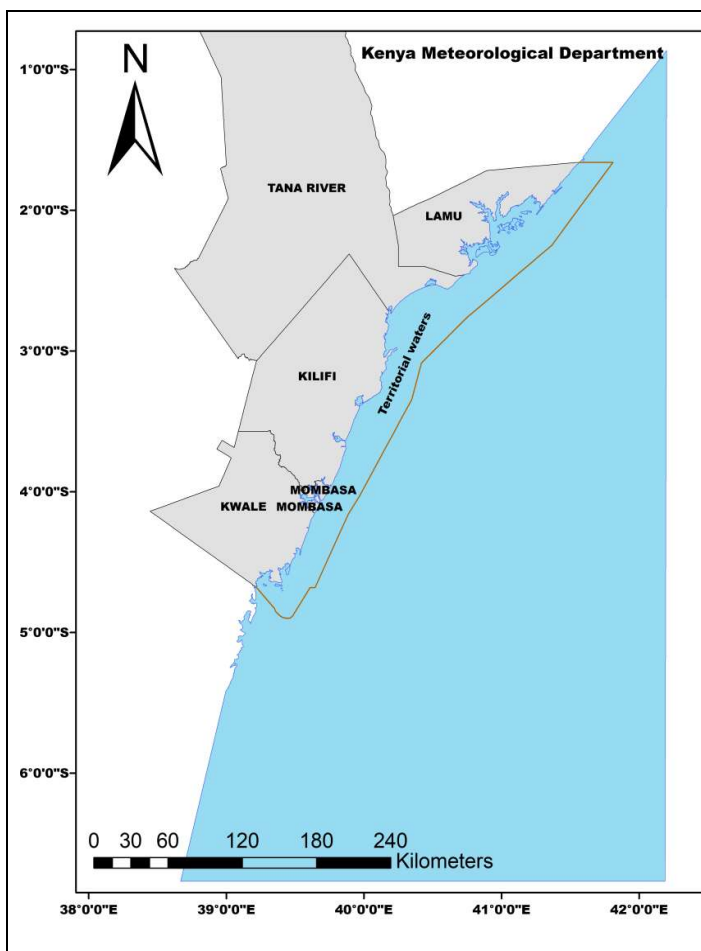
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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 5th January 2026

Valid: 0000 EAT on 6th January 2026 to 0000 EAT on 7th January 2026



GENERAL OUTLOOK

Morning sea state:

- Light to Fresh breeze NNW to NNE winds (03 - 17 knots) with smooth to choppy seas. ENE to E waves of 5 - 6 feet (1.5m – 1.8m) with small to moderate period waves of (8 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Gentle to Strong breeze SE to SSE winds (11 - 22 knots) with moderate to very choppy seas. ENE to E waves of 5 – 6 feet (1.5m– 1.8m) with period waves of (6-8sec) 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 11 to 13 knots.
- Morning Waves: ENE 6 feet at 8 seconds.
- Morning sea state: Breezy NNW winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: NE 19 to 22 knots.
- Afternoon Waves: ENE 6 feet at 8 seconds.
- Afternoon sea state: Strong NE winds with very choppy seas. Small Craft Advisory. Moderate short period waves.
- Sunrise; **06:17AM** and sunset; **06:40PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **05:53AM; 3.78m, 06:25PM; 3.26m**
- Low Tide: **12:15PM; 0.17m**

ii. MOMBASA

- Morning Winds: N 8 to 13 knots.
- Morning Waves: ENE 5 feet at 8 seconds.
- Morning sea state: Light N winds with a slight chop. Small short period waves.
- Afternoon Winds: NE 16 to 19 knots.
- Afternoon Waves: ENE 5 feet at 8 seconds.
- Afternoon sea state: Moderate to strong NE winds with choppy seas. Moderate short period waves.
- Sunrise; **05:56AM** and sunset; **6:12PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **06:01AM; 3.68m, 06:31PM; 3.21m**
- Low Tide: **12:19PM; 0.19m**

iii. KILIFI

- Morning Winds: NNE 15 to 17 knots.
- Morning Waves: ENE 6 feet at 8 seconds.
- Morning sea state: Moderate to strong NNE winds with choppy seas. Moderate short period waves
- Afternoon Winds: ENE 17 to 19 knots.
- Afternoon Waves: ENE 6 feet at 8 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Moderate short period waves.
- Sunrise; **06:16AM** and sunset; **06:36PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **05:51AM; 3.39m, 06:23PM; 2.92m**
- Low Tide; **12:12PM; 0.03m**

iv. LAMU

- Morning Winds: N 3 to 5 knots.
- Morning Waves: E 5 feet at 8 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: E 11 to 21 knots.
- Afternoon Waves: E 5 feet at 6 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Moderate very short period waves.
- Sunrise; **06:15AM** and sunset; **06:30PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **05:50AM; 3.27m, 06:23PM; 2.78m**
- Low Tide: **12:14PM; 0.02m**

Advisory

- Slight to Moderate Sea conditions are expected with a wave height of 1.5m – 1.8m in Kwale, Mombasa, Kilifi and Lamu.
- Light to strong breeze of 03-22 knots expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised to be cautious while venturing into areas around Kwale.

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!!!!
4.1 – 5.5 m (\approx 12.3 – 16.5 ft)	Very Rough	Warning in place and marine activities on hold.

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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