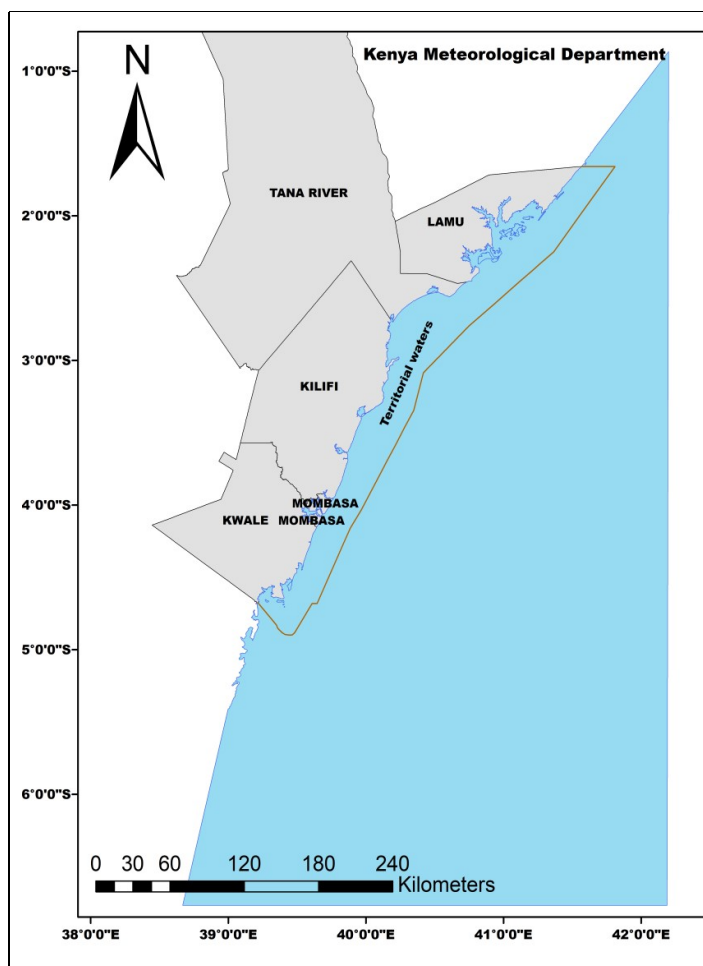




REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE
KENYA METEOROLOGICAL DEPARTMENT

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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST
Issued at: 1500 EAT on 11th January, 2026
Valid: 0000 EAT on 12th January, 2026 to 0000 EAT on 13th January, 2026



GENERAL OUTLOOK

Morning sea state:

- Calm to gentle breeze NW to NNE winds (02-7knots) with smooth to slight choppy seas. ENE to E waves of (3-4ft) (0.9-1.2m) with very small to small short period waves of (8-9 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Gentle to strong breeze ENE to E winds (11-24knots) with very choppy to moderate choppy seas. ENE to E waves of (4feet (1.2m) with very small to small short period waves of (5-8sec) 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 7 knots.
- Morning Waves: ENE 4 feet at 9 seconds.
- Morning sea state: Light NNW winds with a slight chop. Very small short period waves.
- Afternoon Winds: ENE 20 to 24 knots.
- Afternoon Waves: ENE 5 feet at 8 seconds.
- Afternoon sea state: Strong ENE winds with very choppy seas. Small craft Advisory. Small short period waves.
- Sunrise; **6:19AM** and sunset; **6:41PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **10:49AM; 3.07m, 11:37PM; 2.67m**
- Low Tide: **4:38AM; 1.4m, 4:28PM; 1.37m**

ii. MOMBASA

- Morning Winds: NW 4 knots.
- Morning Waves: ENE 4 feet at 9 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: ENE 14 to 18 knots.
- Afternoon Waves: ENE 4 feet at 8 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small short period waves.
- Sunrise; **6:19AM** and sunset; **6:39PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **10:30AM; 2.15m, 11:32PM; 2.6m**
- Low Tide: **4:48AM; 1.38m, 4:31PM; 1.27m**

iii. KILIFI

- Morning Winds: NNW 3 knots.
- Morning Waves: ENE 4 feet at 9 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: ENE 12 to 16 knots.
- Afternoon Waves: ENE 4 feet at 8 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small short period waves.
- Sunrise; **6:19AM** and sunset; **6:38 PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **10:24AM; 1.87m, 11:26PM; 2.32m**
- Low Tide: **4:41AM; 1.22m, 4:19 PM; 1.14m**

iv. LAMU

- Morning Winds: NNE 2 to 3 knots.
- Morning Waves: E 3 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 4 feet at 8 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Small very short period waves.
- Sunrise; **6:17AM** and Sunset; **6:32PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **10:22AM; 1.78m, 11:26PM; 2.24m**
- Low Tide: **4:45AM; 1.18m, 4:19PM; 1.08m**

Advisory

- Slight sea conditions are expected with a significant wave height of (0.9-1.2m) in Kwale, Mombasa, Kilifi and Lamu.
- Calm to strong breeze of (02-24knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised to be cautious while venturing into deep sea areas in 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!!!! 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 – 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 – \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 DIRECTOR,
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