REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY

STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE

KENYA METEOROLOGICAL DEPARTMENT

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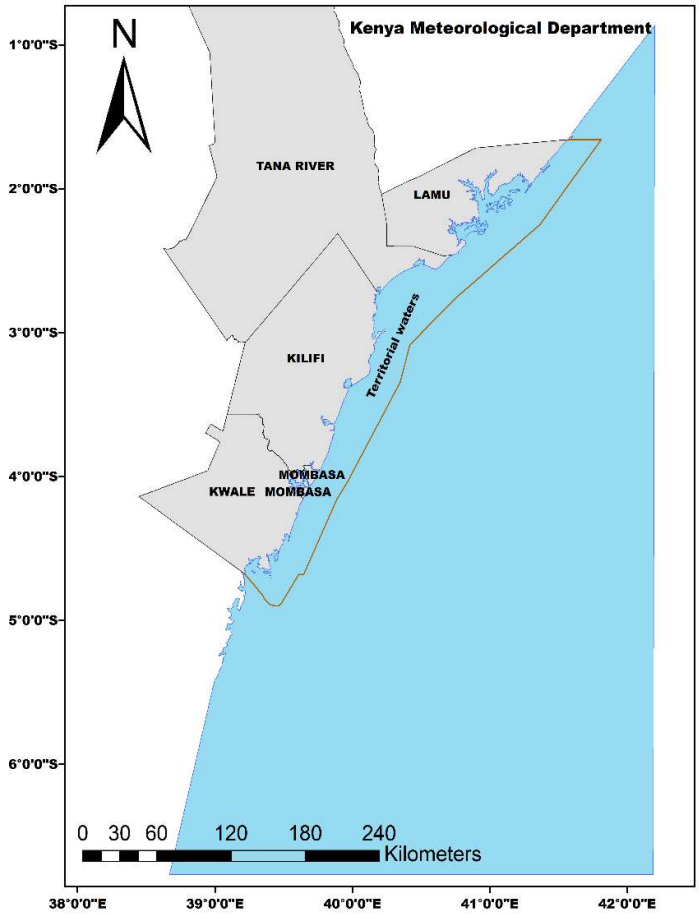
DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 21st APRIL, 2026

Valid: 0000 EAT on 22nd APRIL, 2026 to 0000 EAT on 23rd APRIL, 2026.



GENERAL OUTLOOK

Morning sea state:

- Light to Breezy S to SSW (08-15 knots) with slight to moderate choppy seas. ESE waves of 3-4ft 0.9-1.2m) with very small to small short period waves of (8-9sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Breezy S winds (10-15 knots) with moderate choppy seas. ESE waves of 3-4ft (0.9-1.2m) with small short period waves of (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: SSW 11 to 13 knots.
- Morning Waves: ESE 3 feet at 8 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Very small short period waves
- Afternoon Winds: S 11 to 15 knots.
- Afternoon Waves: ESE 3 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Small short period waves.
- Sunrise: **6:21AM** and sunset: **6:21PM**
- Visibility: Moderate **(9-10 km**)
- High Tide: **7:08AM;2.85m, 7:28PM;3.28m**
- Low Tide: **1:06AM;0.25m, 1:03PM;0.77m**

ii. MOMBASA

- Morning Winds: SSW 10 to 15 knots.
- Morning Waves: ESE 4 feet at 9 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Small short period waves.
- Afternoon Winds: S 10 to 14 knots.
- Afternoon Waves: ESE 4 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Small short period waves.
- Sunrise: **6:19AM** and sunset: **6:19PM**
- Visibility: **Moderate (9-10 km**)
- High Tide: **7:17AM;2.8m, 7:36PM;3.3m**
- Low Tide: **1:10AM;0.5m, 1:01PM;0.74m**

iii.KILIFI

- Morning Winds: SSW 9 to 15 knots.
- Morning Waves: ESE 4 feet at 9 seconds.
- Morning sea state: Light SSW winds with a slight chop. Small short period waves.
- Afternoon Winds: S 11 to 15 knots.
- Afternoon Waves: ESE 4 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Small short period waves..
- Sunrise: **6:19AM** and Sunset: **6:20PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:05AM;2.45m, 7:24PM;2.96m**
- Low Tide: **1:04AM;0.33m, 12:54PM;0.58m**

iv. LAMU

- Morning Winds: S 8 to 11 knots.
- Morning Waves: ESE 3 feet at 9 seconds.
- Morning sea state: Light S winds with a slight chop. Small short period waves.
- Afternoon Winds: S 11 to 14 knots.
- Afternoon Waves: ESE 4 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Small short period waves.
- Sunrise: **6:13AM** and Sunset: **6:16PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:05AM;2.33m, 7:23PM;2.86m**
- Low Tide: **1:06AM;0.31m,12:54PM;0.55m**

Advisory

- Slight to Moderate Sea conditions are expected with a significant wave height of 0.9-1.2m in Kwale, Mombasa, Kilifi and Lamu.
- Gentle breeze to Fresh breeze of 08-15 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 – 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.

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For
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