



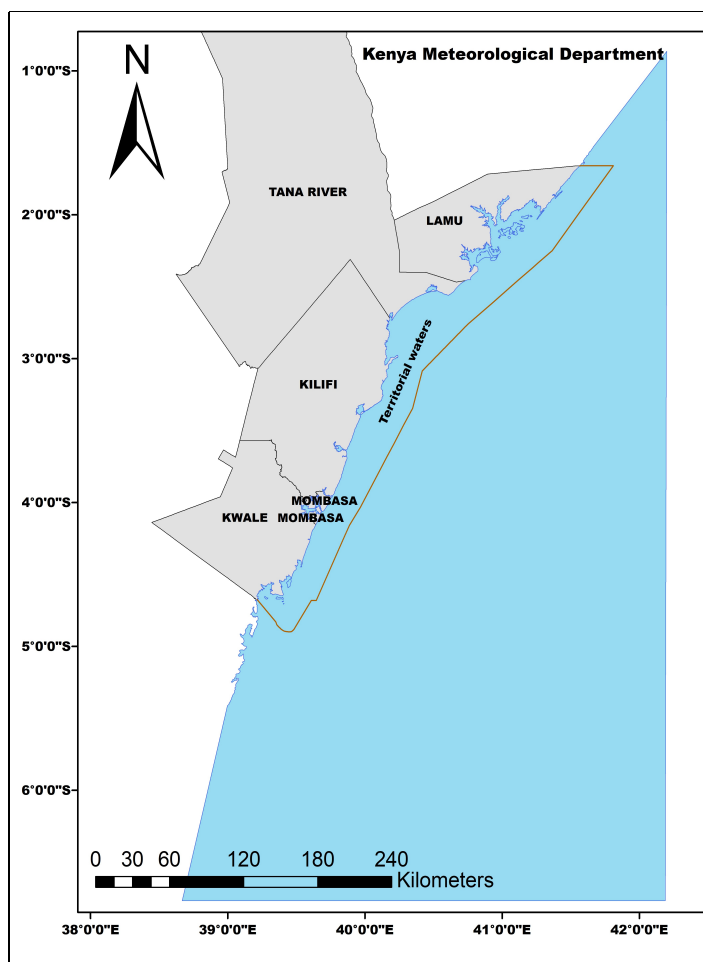
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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 8th April, 2025

Valid: 0000 EAT on 9th April 2025 to 0000 EAT on 10th April 2025



GENERAL OUTLOOK

Morning sea state:

- Light to breezy S to SW winds (05-15 knots) with slight choppy seas. SE waves of 2-3ft (0.6-0.9m) with small period waves of (6-10sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Light to breezy S to SSE winds (08-14 knots) with slight to moderate choppy seas. ESE waves of 3feet (0.9m) with small period waves of (11sec) 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 8 to 11 knots.
- Morning Waves: ESE 2 feet at 6 seconds.
- Morning sea state: Light SSW winds with a slight chop. Very small short period waves.
- Afternoon Winds: S 8 to 11 knots.
- Afternoon Waves: ESE 3 feet at 9 seconds.
- Afternoon sea state: Light S winds with a slight chop. Very small short period waves.
- Sunrise; **6:23AM** and sunset; **6:24PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **2:22AM; 2.96m, 2:50PM; 2.96m**
- Low Tide: **8:46AM;0.82m, 8:57PM;0.84m**

ii. MOMBASA

- Morning Winds: SSW 9 to 12 knots.
- Morning Waves: SE 3 feet at 9 seconds.
- Morning sea state: Light SSW winds with a slight chop. Very small short period waves.
- Afternoon Winds: S 9 to 11 knots.
- Afternoon Waves: SE 3 feet at 8 seconds.
- Afternoon sea state: Light S winds with a slight chop. Small short period waves.
- Sunrise; **6:21AM** and sunset; **6:23PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **2:32AM; 2.82m, 2:59PM; 2.9m**
- Low Tide: **8:46AM; 0.89m, 9:03PM;0.88m**

iii. KILIFI

- Morning Winds: S 12 to 13 knots.
- Morning Waves: SE 3 feet at 10 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Small mid period waves.
- Afternoon Winds: S 12 to 13 knots.
- Afternoon Waves: SE 3 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Small short period waves.
- Sunrise; **6:20AM** and sunset; **6:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:24AM; 2.55m, 2:51PM;2.64m**
- Low Tide: **8:38AM; 0.67m, 8:55PM;0.69m**

iv. LAMU

- Morning Winds: S 6 to 15 knots.
- Morning Waves: SE 3 feet at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Small mid period waves.
- Afternoon Winds: SSE 9 to 14 knots.
- Afternoon Waves: SE 3 feet at 11 seconds.
- Afternoon sea state: Light SSE winds with a slight chop. Small mid period waves.
- Sunrise; **6:15AM** and Sunset; **6:20PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:24AM; 2.44m, 2:53PM;2.53m**
- Low Tide: **8:39AM; 0.63m, 8:56PM;0.67m**

Advisory

- Slight to moderate sea conditions are expected with a significant wave height of 0.6-0.9m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (05-15 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 (\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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