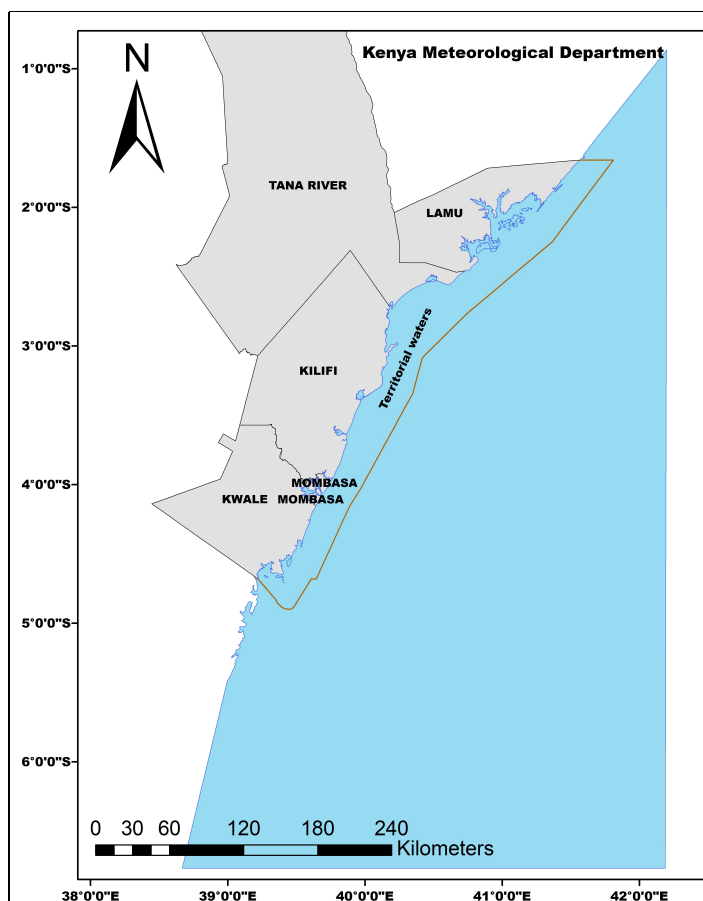




REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE
KENYA METEOROLOGICAL DEPARTMENT

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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST
Issued at: 1500 EAT on 22nd September August, 2025
Valid: 0000 EAT on 23rd September, 2025 to 0000 EAT on 24th September, 2025



GENERAL OUTLOOK

Morning sea state:

- Light to moderately strong S to SSE winds (08-18 knots) with slight to choppy seas. ESE waves of 6-7ft (1.8-2.1m) with moderate period waves of (10sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

Afternoon sea state:

- Breezy to moderately strong SE to SSE winds (10-18 knots) with moderate choppy to choppy seas. ESE waves of 6-7feet (1.8-2.1m) with small to moderate period waves of (10sec) 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: S 10 to 13 knots.
- Morning Waves: ESE 6 feet at 10 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SE 12 to 14 knots.
- Afternoon Waves: ESE 6 feet at 10 seconds.
- Afternoon sea state: Breezy SE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:11AM** and sunset; **6:18PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **4:49AM; 3.64m, 5:03PM; 3.51m**
- Low Tide: **10:57AM; 0.2m, 11:05PM; 0.29m**

ii. MOMBASA

- Morning Winds: SSE 14 to 17 knots.
- Morning Waves: ESE 7.5 feet at 10 seconds.
- Morning sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 12 to 16 knots.
- Afternoon Waves: ESE 6 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:10AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **4:57AM; 3.53m, 5:10PM; 3.32m**
- Low Tide: **11:03AM; 0.2m, 11:07PM; 0.23m**

iii. KILIFI

- Morning Winds: SSE 17 to 18 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Moderate to strong SSE winds with choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 15 to 18 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Moderate to strong SSE winds with choppy seas. Moderate mid period waves.
- Sunrise; **6:09AM** and sunset; **6:16PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **4:46AM; 3.32m, 4:59PM; 3.09m**
- Low Tide: **10:54AM; 0.09m, 10:58PM; 0.09m**

iv. LAMU

- Morning Winds: SSE 8 to 17 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Light SSE winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: SSE 10 to 15 knots.
- Afternoon Waves: ESE 6 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:05AM** and Sunset; **6:12PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **4:47AM; 3.19m, 5:00PM; 2.95m**
- Low Tide: **10:56AM; 0.09m, 10:59PM; 0.12m**

Advisory

- Slight to moderate sea conditions are expected with a significant wave height of 1.8-2.1m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (08-18 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 – 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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