

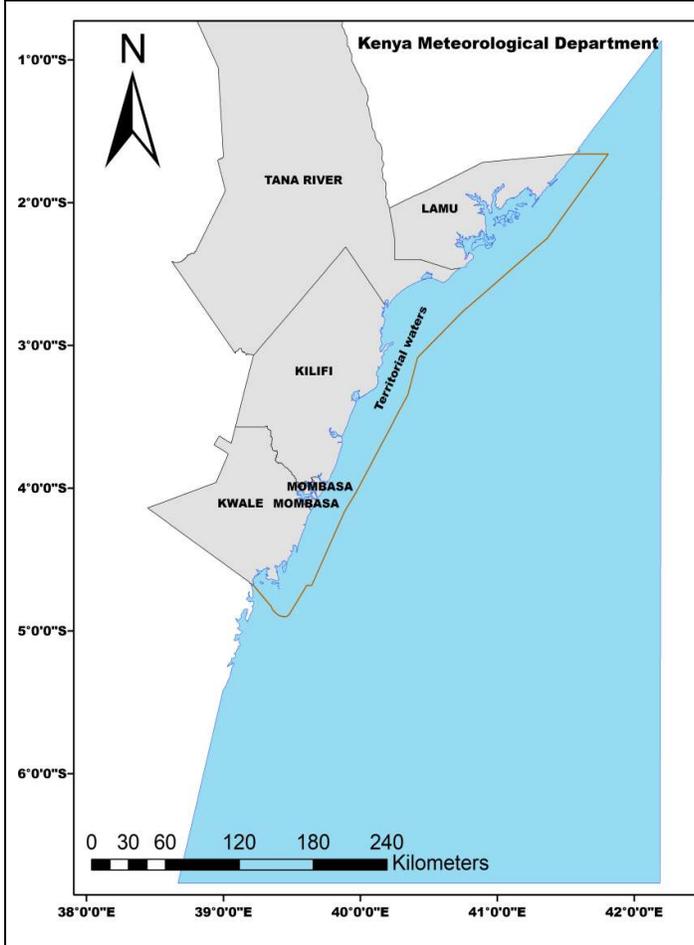


MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY  
STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE  
**KENYA METEOROLOGICAL DEPARTMENT**

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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**  
**Issued at: 1500 EAT on 11<sup>th</sup> June 2025**  
**Valid: 0000 EAT on 12<sup>th</sup> June 2025 to 0000 EAT on 13<sup>th</sup> June 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Gentle to Fresh breeze S and SSW winds (09-21 knots) with choppy seas. ESE waves of 6-8 feet (1.8m – 2.4m) with period waves of (10 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to Moderate strong S and SSW winds (12-25 knots) with choppy seas. ESE waves of 6-8 feet (1.8m- 2.4m) with period waves of (10 sec) 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 19 to 21 knots.
- Morning Waves: ESE 6 feet at 10 seconds
- Morning sea state: Moderate to strong S winds with choppy seas. Moderate mid period waves.
- Afternoon Winds: S 18 to 23 knots.
- Afternoon Waves: ESE 6 feet at 10 seconds.
- Afternoon sea state: Moderate to strong S winds with choppy seas. Moderate mid period waves.
- Sunrise; **6:26AM** and sunset; **6:19PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **04:46AM; 2.9m, 04:53PM; 3.5m,**
- Low Tide: **10:34AM; 0.7m, 11:20PM; 0.5**

### ii. MOMBASA

- Morning Winds: SSW 14 to 20 knots.
- Morning Waves: ESE 7 feet at 10 seconds
- Morning sea state: Breezy SSW winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSW 17 to 25 knots.
- Afternoon Waves: ESE 8 feet at 10 seconds.
- Afternoon sea state: Moderate to strong SSW winds with choppy seas. Moderate mid period waves.
- Sunrise; **6:24AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **04:52AM; 2.8m, 04:56PM; 3.4m,**
- Low Tide: **10:33AM; 0.8m, 11:22PM; 0.5m,**

### iii. KILIFI

- Morning Winds: SSW 8 to 21 knots.
- Morning Waves: ESE 8 feet at 10 seconds.
- Morning sea state: Light SSW winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: SSW 14 to 24 knots.
- Afternoon Waves: ESE 8 feet at 10 seconds.
- Afternoon sea state: Breezy SSW winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:23AM** and sunset; **6:18PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **04:45AM; 2.5m, 04:48PM; 3.1m,**
- Low Tide; **10:28AM; 0.6m; 11:17PM; 0.3m;**

### iv. LAMU

- Morning Winds: S 9 to 21 knots.
- Morning Waves: ESE 8 feet at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 12 to 23 knots.
- Afternoon Waves: ESE 8 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; Sunrise; **6:16AM** and sunset; **6:16PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **04:46AM; 2.3m, 04:48PM; 3.0m,**
- Low Tide: **10:28AM; 0.6m, 11:20PM; 0.3m,**

**Advisory**

- Moderate to Rough Sea conditions are expected with a significant wave height of 1.8m – 2.4m in Kwale, Mombasa, Kilifi and Lamu.
- Gentle Breeze to Strong breeze of (09-25 knots) expected in Kwale, Mombasa, Kilifi and Lamu.

**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
1.0 – 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 – 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 – ≥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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