



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

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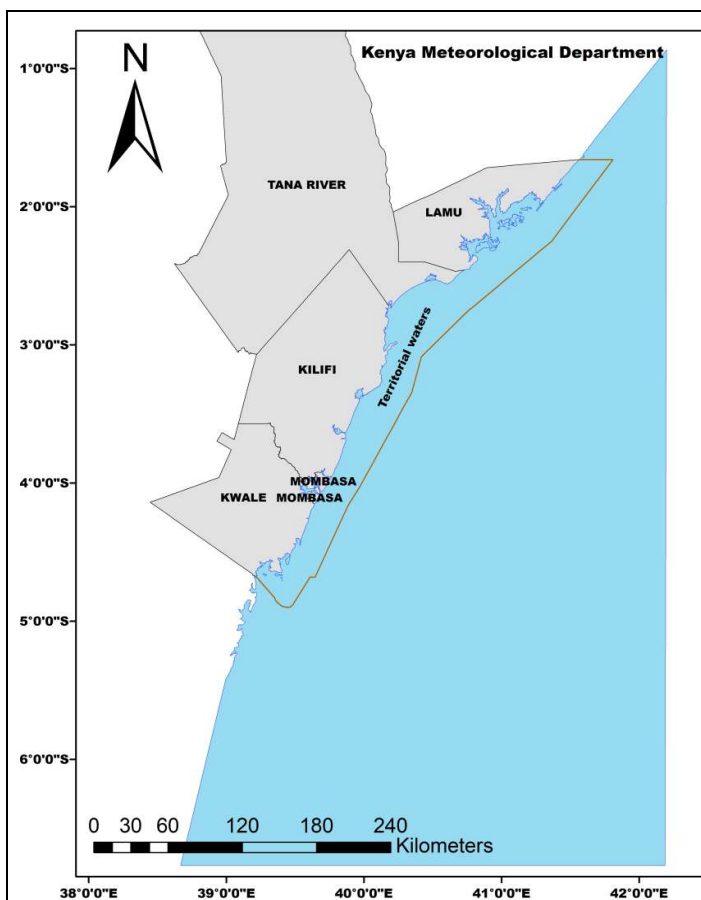
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 16<sup>th</sup> September 2025**

**Valid: 0000 EAT on 17<sup>th</sup> September 2025 to 0000 EAT on 18<sup>th</sup> September 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to Fresh breeze S to SW winds (05 -14 knots) with choppy seas. ESE waves of 3 - 5 feet (0.9m – 1.5m) with period waves of (9 sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to Fresh breeze SE to ESE winds (08 -14 knots) with choppy seas. ESE waves of 3 - 4 feet (0.9m – 1.2m) with period waves of (9 - 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: SSW 6 to 7 knots.
- Morning Waves: ESE 3 feet at 9 seconds.
- Morning sea state: Light SSW winds with a slight chop. Very small short period waves.
- Afternoon Winds: ESE 9 to 10 knots.
- Afternoon Waves: ESE 3 feet at 10 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Small mid period waves.
- Sunrise; **06:32AM** and sunset; **06:27PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **00:56AM; 2.3m, 01:14PM; 2.8m,**
- Low Tide: **06:44AM; 1.5m, 08:05PM; 1.0m**

### **ii. MOMBASA**

- Morning Winds: SW 7 to 10 knots.
- Morning Waves: ESE 4 feet at 9 seconds.
- Morning sea state: Light SW winds with a slight chop. Small short period waves.
- Afternoon Winds: SE 10 to 13 knots.
- Afternoon Waves: ESE 4 feet at 9 seconds.
- Afternoon sea state: Breezy SE winds with moderate choppy seas. Small short period waves.
- Sunrise; **06:30AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **00:56AM; 2.1m, 01:19PM; 2.7m,**
- Low Tide: **06:35AM; 1.4m, 08:07PM; 1.0m**

### **iii. KILIFI**

- Morning Winds: SW 5 to 9 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Light SW winds with a slight chop. Small short period waves.
- Afternoon Winds: SE 10 to 13 knots.
- Afternoon Waves: ESE 4 feet at 9 seconds.
- Afternoon sea state: Breezy SE winds with moderate choppy seas. Small short period waves.
- Sunrise; **06:29AM** and sunset; **06:26PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **01:03AM; 1.9m, 01:16PM; 2.4m,**
- Low Tide: **06:38AM; 1.2m; 08:02PM; 0.8m;**

### **iv. LAMU**

- Morning Winds: S 5 to 14 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small short period waves.
- Afternoon Winds: SSE 8 to 14 knots.
- Afternoon Waves: ESE 4 feet at 9 seconds.
- Afternoon sea state: Light SSE winds with a slight chop. Small short period waves.
- Sunrise; **06:22AM** and sunset; **06:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **01.04AM; 1.8m, 01.14PM; 2.4m,**
- Low Tide: **06:35AM; 1.2m, 08:03PM; 0.8m**

### Advisory

- Slight to Moderate Sea conditions are expected with a wave height of 0.9m – 1.5m in Kwale, Mombasa, Kilifi and Lamu. Conditions suitable for Marine activities
- Light to Fresh breeze of (05 - 14 knots) expected in Kwale, Mombasa, Kilifi and Lamu.

#### 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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