

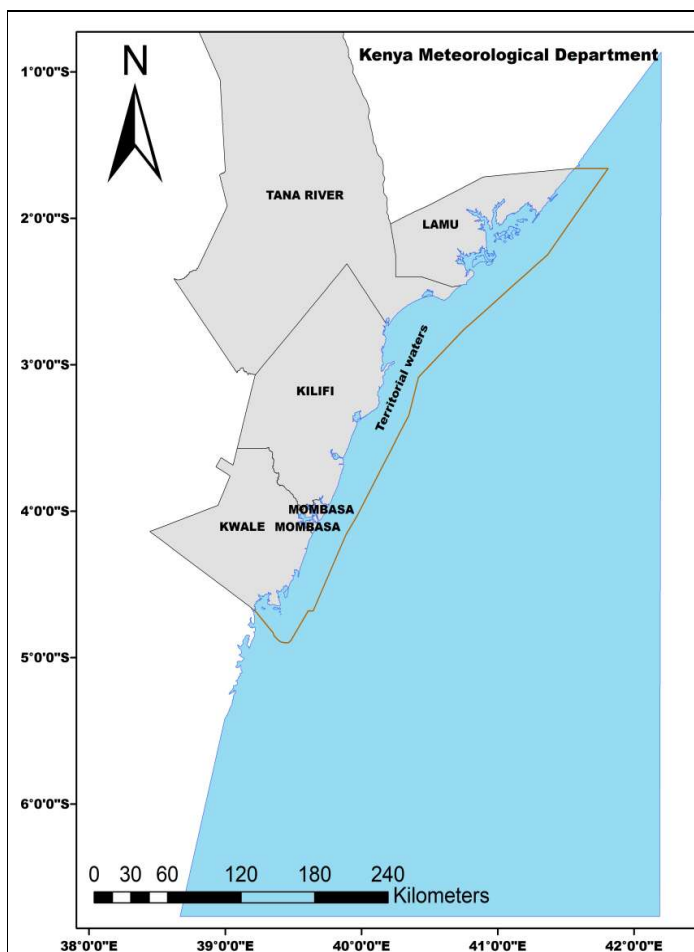


**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE**  
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**  
**Issued at: 1500 EAT on 17<sup>th</sup> April, 2025**  
**Valid: 0000 EAT on 18<sup>th</sup> April 2025 to 0000 EAT on 19<sup>th</sup> April 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light and variable winds (09-14 knots) with slight choppy seas. ESE waves of 2-3 feet (0.6m - 0.9m) with small period waves of 8 sec are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light E to SE winds (10-15 knots) with slight choppy seas. ESE waves of 2-3 feet (0.6m - 0.9m) with small period waves of 8-11 sec 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 13 knots
- Morning Waves: ESE 2 feet at 8 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Very small short period waves.
- Afternoon Winds: S 13 to 15 knots.
- Afternoon Waves: ESE 2 feet at 11 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Very small mid period waves.
- Visibility: Moderate (**9-10 km**)
- High Tide: **06:37AM; 2.7m, 06:52PM; 3.1m,**
- Low Tide: **00:46AM; 0.7m, 12:34PM; 0.9m,**

### **ii. MOMBASA**

- Morning Winds: SSW 9 to 13 knots.
- Morning Waves: ESE 2 feet at 8 seconds.
- Morning sea state: Light SSW winds with a slight chop. Very small short period waves.
- Afternoon Winds: S 10 to 13 knots.
- Afternoon Waves: ESE 3 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Very small short period waves.
- Sunrise; **5:57AM** and sunset; **6:17PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **06:48 AM; 2.7m, 06:58 PM; 3.1m,**
- Low Tide: **00:45AM; 0.7m, 12:32PM; 0.9m,**

### **iii. KILIFI**

- Morning Winds: S 13 to 14 knots.
- Morning Waves: ESE 3 feet at 8 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Very small short period waves.
- Afternoon Winds: S 12 to 13 knots.
- Afternoon Waves: ESE 3 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Very small short period waves.
- Sunrise; **5:57AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **06:35AM; 2.4m, 06:45PM; 2.8m,**
- Low Tide; **00:40AM; 0.5m; 12:24AM; 0.7m;**

### **iv. LAMU**

- Morning Winds: S 9 to 10 knots.
- Morning Waves: ESE 2 feet at 8 seconds.
- Morning sea state: Light S winds with a slight chop. Very small short period waves.
- Afternoon Winds: S 11 to 12 knots.
- Afternoon Waves: ESE 3 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Very small short period waves.
- Sunrise; **00:38AM** and sunset; **6:10PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **06:36AM; 2.2m, 06:46PM; 2.7m,**
- Low Tide: **00:43AM; 0.5m, 12:24AM; 0.7m,**

### Advisory

- Relatively calm conditions are expected with a significant wave height of 0.6m - 0.9m in Kwale, Mombasa, Kilifi and Lamu.
- Gentle breeze to Fresh breeze of (09-15 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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