



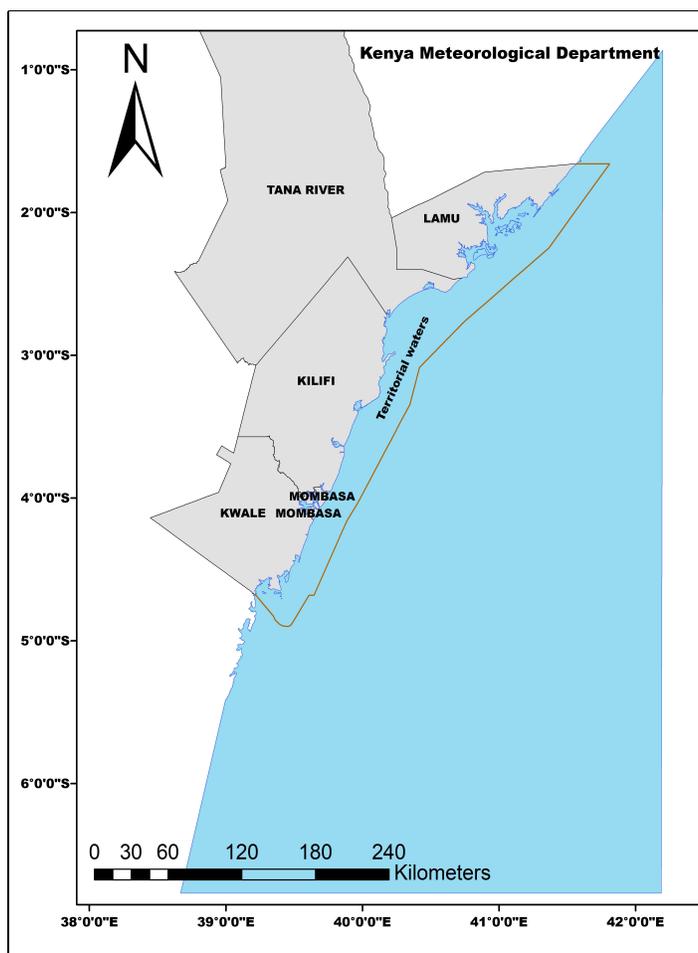
**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**

**KENYA METEOROLOGICAL DEPARTMENT**

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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**  
**Issued at: 1500 EAT on 12<sup>th</sup> March, 2025**  
**Valid: 0000 EAT on 13<sup>th</sup> March 2025 to 0000 EAT on 14<sup>th</sup> March 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light N to NE winds (03-05 knots) with slight choppy seas. ESE waves of 3-4ft (0.9-1.2m) with small period waves of (10sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light to breezy E to ENE winds (08-13 knots) with slight to moderate choppy seas. ESE waves of 3-4feet (0.9-1.2m) with small period waves of (10-13sec) 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: N 4 to 5 knots.
- Morning Waves: ESE 3 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: ENE 12 to 13 knots.
- Afternoon Waves: ESE 3 feet at 13 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small mid period waves.
- Sunrise; **6:27AM** and sunset; **6:36PM**
- Visibility: Moderate (9-10 km)
- High Tide: **3:59AM; 3.48m, 4:19PM; 3.34m**
- Low Tide: **10:14AM;0.38m, 10:20PM;0.41m**

### ii. MOMBASA

- Morning Winds: N 4 knots.
- Morning Waves: ESE 3 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: ENE 12 to 13 knots.
- Afternoon Waves: ESE 4 feet at 13 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small mid period waves.
- Sunrise; **6:26AM** and sunset; **6:34PM**
- Visibility: Moderate (9-10 km)
- High Tide: **4:07AM; 3.33m, 4:27PM; 3.28m**
- Low Tide: **10:17AM; 0.45m, 10:26PM;0.48m**

### iii. KILIFI

- Morning Winds: N 3 knots.
- Morning Waves: ESE 4 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: ENE 10 to 12 knots.
- Afternoon Waves: ESE 4 feet at 13 seconds.
- Afternoon sea state: Breezy ENE winds with moderate choppy seas. Small mid period waves.
- Sunrise; **6:25AM** and sunset; **6:34PM**
- Visibility: Moderate (9-10km)
- High Tide: **3:58AM; 3.06m, 4:17PM;3m**
- Low Tide: **10:08AM; 0.25m, 10:17PM;0.29m**

### iv. LAMU

- Morning Winds: NE 3 knots.
- Morning Waves: ESE 3 feet at 10 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: E 8 to 12 knots.
- Afternoon Waves: ESE 4 feet at 10 seconds.
- Afternoon sea state: Light E winds with a slight chop. Small mid period waves.
- Sunrise; **6:22AM** and Sunset; **6:29PM**
- Visibility: Moderate (9-10km)
- High Tide: **3:58AM; 2.93m, 4:18PM;2.87m**
- Low Tide: **10:09AM; 0.23m, 10:18PM;0.28m**

### Advisory

- Slight to moderate sea conditions are expected with a significant wave height of 0.9-1.2m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (03-13 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 (≈ 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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