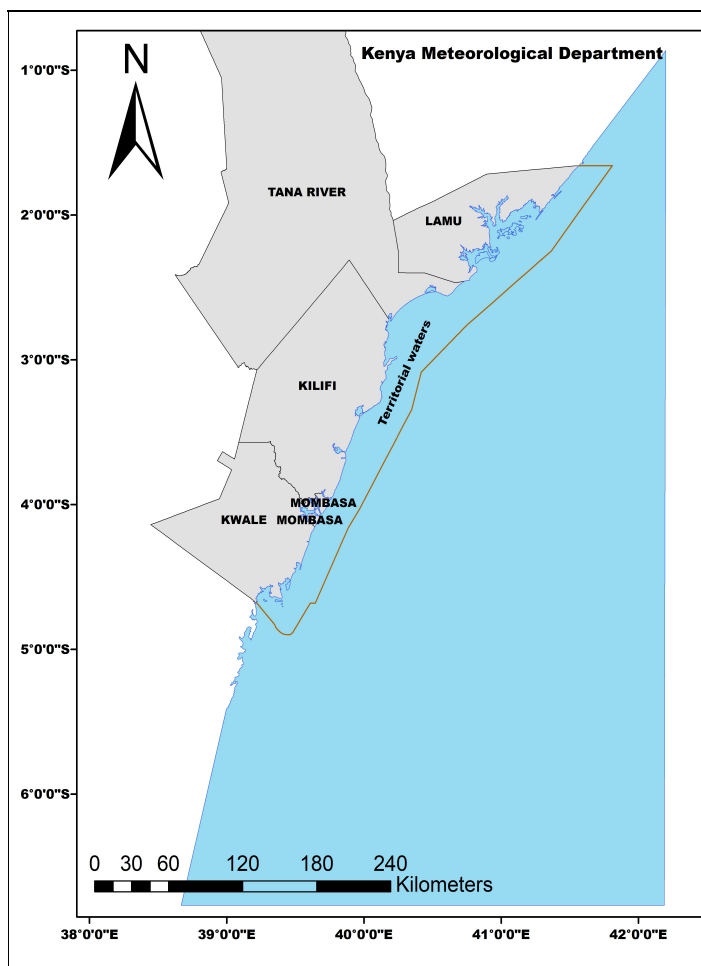




**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT AND FORESTRY**  
**KENYA METEOROLOGICAL DEPARTMENT**

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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**  
**Issued at: 1500 EAT on 18<sup>th</sup> August, 2022**  
**Valid: 0000 EAT on 19<sup>th</sup> August, 2022 to 0000 EAT on 20<sup>th</sup> August, 2022**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light to Brezzy SSW to S winds (05-18 Knots) with slight to moderate choppy seas. ESE waves of 6.3-6.7feets (1.9-2m) with moderate mid period waves of (10-11sec) expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light to Brezzy SSE winds (09-19 Knots) with slight to moderate choppy seas. ESE waves of 5.7-6.3 feets (1.7-1.9m) with moderate mid period waves of (10-11sec) 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 5 to 8 knots.
- Morning Waves: ESE 1.9 meters (6.3feet) at 11 seconds.
- Morning sea state: Light SSW winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: SSE 9 to 14 knots.
- Afternoon Waves: ESE 1.7 meters (5.7feet) at 10 seconds.
- Afternoon sea state: Light SSE winds with a slight chop. Moderate mid period waves.
- Sunrise; **6:27AM** and sunset; **6:25PM**
- Visibility: Moderate (**9-10 km**)
- High Tide:: **7:30AM; 3.31m, 7:44PM; 3.04m**
- Low Tide: **1:13AM; 0.43m, 1:36PM; 0.66m**

### ii. MOMBASA

- Morning Winds: S 11 to 15 knots.
- Morning Waves: ESE 1.9 meters (6.3feet) at 11 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 12 to 16 knots.
- Afternoon Waves: ESE 1.8 meters (6feet) at 10 seconds.
- Afternoon Sea State: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:26AM** and sunset; **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **7:37AM; 3.26m, 7:48PM; 2.9m**
- Low Tide: **1:15AM; 0.36m, 1:43PM; 0.62m**

### iii. KILIFI

- Morning Winds: S 15 to 18 knots.
- Morning Waves: ESE 2 meters (6.7feet) at 11 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 15 to 19 knots.
- Afternoon Waves: ESE 1.9 meters (6.3feet) at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:24AM** and sunset; **6:24PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:25AM; 3.04m, 7:34PM; 2.64m**
- Low Tide: **1:07AM; 0.25m, 1:37PM; 0.52m**

### iv. LAMU

- Morning Winds: S 8 to 18 knots.
- Morning Waves: ESE 1.9 meters (6.3feet) at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: S 10 to 18 knots.
- Afternoon Waves: ESE 1.8 meters (6feet) at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:19AM** and sunset; **6:22PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:26AM; 2.92m, 7:35PM; 2.53m**
- Low Tide: **1:08AM; 0.22m, 1:38PM; 0.5m**

## 1. Advisory

- Moderate to rough sea condition expected with significant wave height (1.7-2m) with gentle to fresh breeze of (05-19knots) expected in Kwale, Mombasa, Kilifi and Lamu.

### KEY ON SEA STATE

WAVE HEIGHT RANGE (Metres)	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!!!! Warning in place and marine activities on hold
4.1 – 5.5 m (≈ 12.3 – 16.5 ft)	Very Rough	

### 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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