



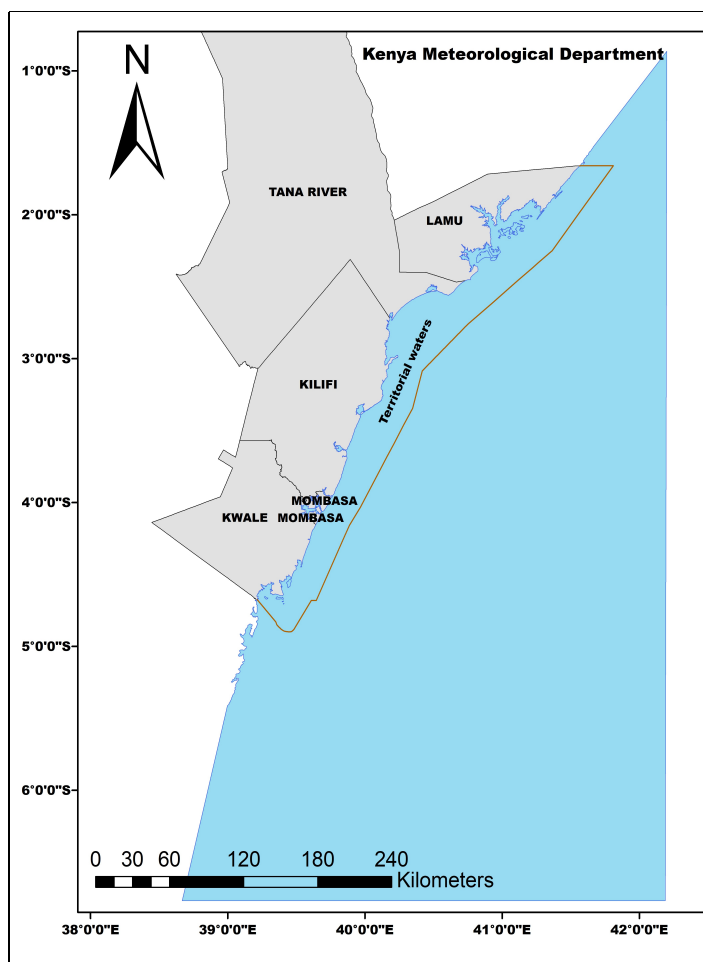
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 22<sup>nd</sup> April, 2025**

**Valid: 0000 EAT on 23<sup>rd</sup> April 2025 to 0000 EAT on 24<sup>th</sup> April 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Light SW winds (02-09 knots) with slight choppy seas. ESE waves of 3-4ft (0.9-1.2m) with small period waves of (11sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Light SE winds (06-11 knots) with slight choppy seas. ESE waves of 3feet (0.9m) with small period waves of (10sec) 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: SW 5 to 7 knots.
- Morning Waves: ESE 3 feet at 11 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: SE 6 to 8 knots.
- Afternoon Waves: ESE 3 feet at 10 seconds.
- Afternoon sea state: Light SE winds with a slight chop. Very small mid period waves.
- Sunrise; **6:21AM** and sunset; **6:20PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **00:21AM; 2.58m, 1:13PM; 2.63m**
- Low Tide: **6:50AM;1.19m, 7:17PM;1.21m**

### **ii. MOMBASA**

- Morning Winds: SW 7 to 9 knots.
- Morning Waves: ESE 4 feet at 11 seconds.
- Morning sea state: Light SW winds with a slight chop. Small mid period waves.
- Afternoon Winds: SE 6 to 9 knots.
- Afternoon Waves: ESE 3 feet at 10 seconds.
- Afternoon sea state: Light SE winds with a slight chop. Small mid period waves.
- Sunrise; **6:19AM** and sunset; **6:19PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **00:07AM; 2.51m, 1:11PM; 2.51m**
- Low Tide: **6:48AM; 1.17m, 7:14PM;1.23m**

### **iii. KILIFI**

- Morning Winds: SSW 8 knots.
- Morning Waves: ESE 4 feet at 11 seconds.
- Morning sea state: Light SSW winds with a slight chop. Small mid period waves.
- Afternoon Winds: SE 7 to 9 knots.
- Afternoon Waves: ESE 3 feet at 10 seconds.
- Afternoon sea state: Light SE winds with a slight chop. Small mid period waves.
- Sunrise; **6:18AM** and sunset; **6:19PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:02AM; 2.26m, 1:10PM; 2.26m**
- Low Tide: **6:44AM; 0.96m, 7:07PM;1.08m**

### **iv. LAMU**

- Morning Winds: SSW 2 knots.
- Morning Waves: ESE 3 feet at 11 seconds.
- Morning sea state: Light and variable winds with smooth seas. Small mid period waves.
- Afternoon Winds: ESE 6 to 11 knots.
- Afternoon Waves: ESE 3 feet at 10 seconds.
- Afternoon sea state: Light ESE winds with a slight chop. Small mid period waves.
- Sunrise; **6:13AM** and Sunset; **6:16PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **00:00AM; 2.17m, 1:12PM; 2.16m**
- Low Tide: **6:46AM; 0.91m, 7:08PM;1.05m**

### 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 (02-11 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 ( $\approx$ 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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