

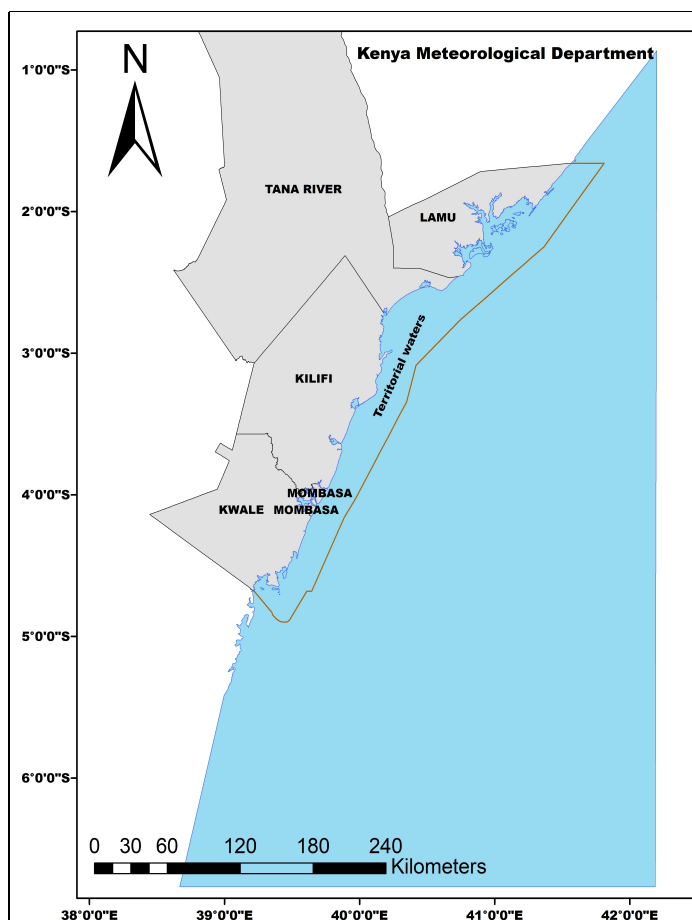


**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE**  
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**  
**Issued at: 1500 EAT on 10<sup>th</sup> September August, 2025**  
**Valid: 0000 EAT on 11<sup>th</sup> September, 2025 to 0000 EAT on 12<sup>th</sup> September, 2025**



### GENERAL OUTLOOK

#### **Morning sea state:**

- Light to moderately strong S to SSE winds (09-20 knots) with slight to choppy seas. ESE waves of 6-7ft (1.8-2.1m) with small to moderate period waves of (7-10sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

#### **Afternoon sea state:**

- Light to moderately strong S to SSE winds (11-21 knots) with slight to choppy seas. ESE waves of 6-7feet (1.8-2.1m) with small to moderate 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: S 9 to 12 knots.
- Morning Waves: ESE 6 feet at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Moderate mid period waves.
- Afternoon Winds: SE 14 to 18 knots.
- Afternoon Waves: ESE 6 feet at 10 seconds.
- Afternoon sea state: Breezy SE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:17AM** and sunset; **6:20PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **6:05AM; 3.66m, 6:20PM; 3.41m**
- Low Tide: **12:19PM; 0.17m**

### **ii. MOMBASA**

- Morning Winds: SSE 12 to 17 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 14 to 20 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:15AM** and sunset; **6:19PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **6:12AM; 3.78m, 6:30PM; 3.99m**
- Low Tide: **12:22PM; 0.08m**

### **iii. KILIFI**

- Morning Winds: SSE 16 to 20 knots.
- Morning Waves: ESE 7 feet at 10 seconds.
- Morning sea state: Moderate to strong SSE winds with choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 16 to 21 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Moderate to strong SSE winds with choppy seas. Moderate mid period waves.
- Sunrise; **6:14AM** and sunset; **6:19PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **6:00AM; 3.54m, 6:16PM; 3.02m**
- Low Tide: **12:14PM; 0.01m**

### **iv. LAMU**

- Morning Winds: SSE 9 to 19 knots.
- Morning Waves: ESE 7 feet at 7 seconds.
- Morning sea state: Light SSE winds with a slight chop. Moderate short period waves.
- Afternoon Winds: S 11 to 19 knots.
- Afternoon Waves: ESE 7 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate mid period waves.
- Sunrise; **6:10AM** and Sunset; **6:16PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **6:00AM; 3.41m, 6:17PM; 2.88m**
- Low Tide: **12:16PM; 0.02m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.8-2.1m in Kwale, Mombasa, Kilifi and Lamu. Small boats and crafts are advised to be cautious in Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (09-21knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. Small boats and crafts are advised to be cautious in Kilifi.

### **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 – 6 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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