



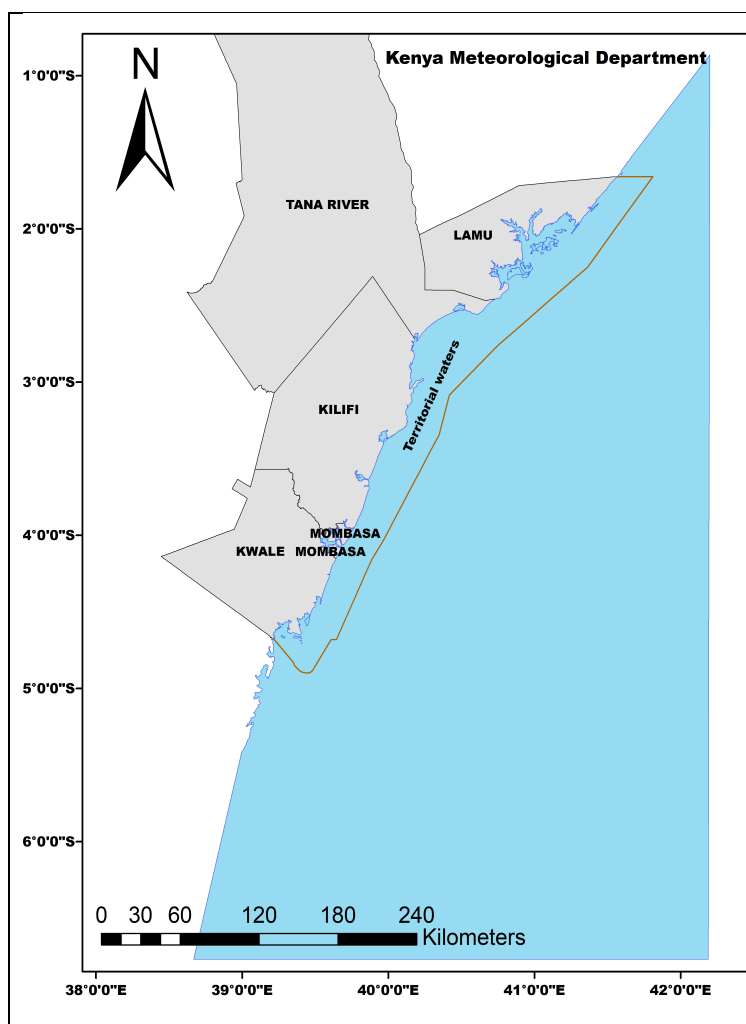
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 28<sup>th</sup> September, 2025**

**Valid: 0000 EAT on 29<sup>th</sup> September, 2025 to 0000 EAT on 30<sup>th</sup> September, 2025**



**GENERAL OUTLOOK**

**Morning sea state:**

- Gentle to fresh S to SSE winds (04-12knots) with slight to moderate choppy seas. SE to ESE waves of 4-5ft (1.2-1.5m) with small period waves of (9-10sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Gentle to fresh SE to SSE winds (08-14knots) with slight to moderate choppy seas. SE to ESE waves of 4-5feet (1.2-1.5m) with small period waves of (9sec) 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 5 to 7 knots.
- Morning Waves: ESE 4 feet at 10 seconds.
- Morning sea state: Light S winds with a slight chop. Small mid period waves.
- Afternoon Winds: SE 10 to 12 knots.
- Afternoon Waves: ESE 4 feet at 9 seconds.
- Afternoon sea state: Light SE winds with a slight chop. Small short period waves.
- Sunrise; **6:08AM** and sunset; **6:17PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **7:32AM; 2.81m, 7:40PM; 2.19m**
- Low Tide: **1:09AM; 1.12m, 2:07PM; 1.34m**

### **ii. MOMBASA**

- Morning Winds: SSE 8 to 10 knots.
- Morning Waves: ESE 5 feet at 10 seconds.
- Morning sea state: Light SSE winds with a slight chop. Small mid period waves.
- Afternoon Winds: SE 10 to 13 knots.
- Afternoon Waves: ESE 5 feet at 9 seconds.
- Afternoon sea state: Breezy SE winds with moderate choppy seas. Small short period waves.
- Sunrise; **6:07AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **7:39AM; 2.75m, 7:56PM; 2.15m**
- Low Tide: **1:07AM; 1.02m, 2:03PM; 1.19m**

### **iii. KILIFI**

- Morning Winds: SSE 11 to 12 knots.
- Morning Waves: SE 5 feet at 10 seconds.
- Morning sea state: Breezy SSE winds with moderate choppy seas. Moderate mid period waves.
- Afternoon Winds: SSE 12 to 14 knots.
- Afternoon Waves: SE 5 feet at 9 seconds.
- Afternoon sea state: Breezy SSE winds with moderate choppy seas. Small short period waves.
- Sunrise; **6:06AM** and sunset; **6:15PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:24AM; 2.49m, 7:37PM; 1.88m**
- Low Tide: **00:57AM; 0.9m, 1:58PM; 1.07m**

### **iv. LAMU**

- Morning Winds: SSE 4 to 8 knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Light and variable winds with smooth seas. Moderate short period waves.
- Afternoon Winds: SSE 8 to 14 knots.
- Afternoon Waves: SE 5 feet at 9 seconds.
- Afternoon sea state: Light SSE winds with a slight chop. Small short period waves.
- Sunrise; **6:03AM** and Sunset; **6:10PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **7:26AM; 2.4m, 7:39PM; 1.78m**
- Low Tide: **00:56AM; 0.86m, 00:56AM; 1.02m**

### **Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 1.2-1.5m in Kwale, Mombasa, Kilifi and Lamu.
- Light to gentle breeze of (04-14knots) expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period.

### **KEY ON SEA STATE**

| WAVE HEIGHT RANGE<br>(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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