



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**  
**STATE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE**  
**KENYA METEOROLOGICAL DEPARTMENT**

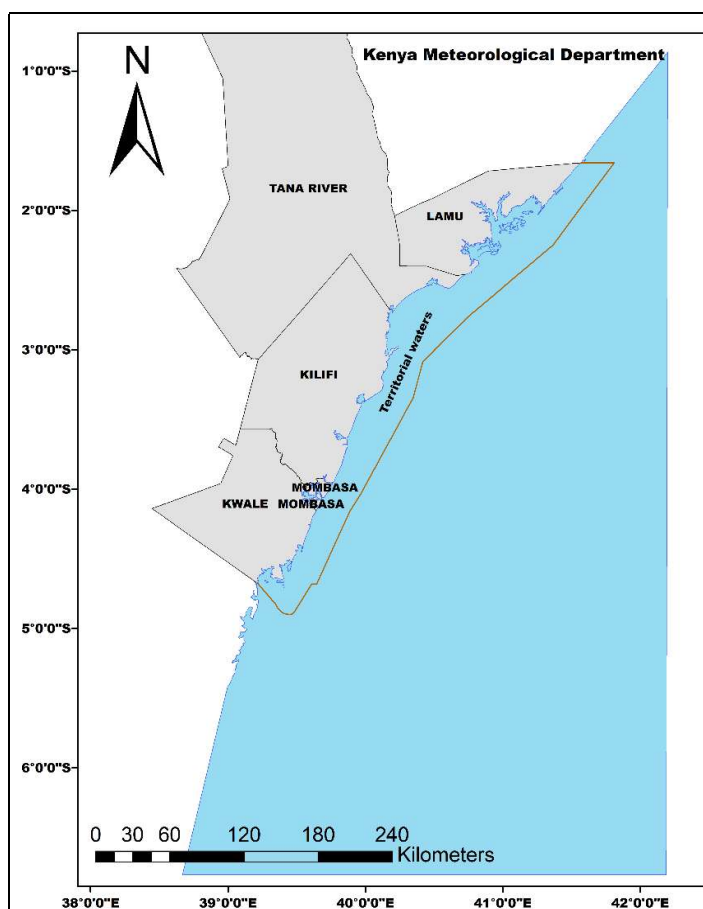
Dagoretti Corner, Ngong Road, P. O. Box 30259, 00100 GPO, Nairobi, Kenya  
**Telephone:** 254 (0) 20 3867880-7, **Fax:** 254 (0) 20 3876955/3877373/3867888,  
**e-mail:** [director@meteo.go.ke](mailto:director@meteo.go.ke), [info@meteo.go.ke](mailto:info@meteo.go.ke) **Website:** <http://www.meteo.go.ke>

---

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

**Issued at: 1500 EAT on 28<sup>th</sup> July, 2026**

**Valid: 0000 EAT on 29<sup>th</sup> July, 2026 to 0000 EAT on 30<sup>th</sup> July, 2026.**



**GENERAL OUTLOOK**

**Morning sea state:**

- Breezy S winds (11-18 knots) with Moderate choppy seas. SE to SSE waves of 3-6 ft (0.9 - 1.8 m) with moderate short to Moderate very short to Moderate short period waves of (6-7 sec) are expected in Kwale, Mombasa, Kilifi and Lamu.

**Afternoon sea state:**

- Breezy S to SSW winds (11-18 knots) with moderate choppy seas. ESE to SE waves of 4-5 ft (1.2 - 1.5 m) with Moderate short period waves of (8 sec) 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 11 to 14knots.
- Morning Waves: SE 3 feet at 6 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate very short period waves.
- Afternoon Winds: S 13 to 17 knots.
- Afternoon Waves: ESE 4 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Sunrise: **6:31AM** and sunset: **6:27PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **4:20AM;2.87m,4:27PM;3.48m**
- Low Tide: **10:10AM;0.74m,10:49PM;0.49m**

### ii. MOMBASA

- Morning Winds: S 12 to 15 knots.
- Morning Waves: SE 5 feet at 6 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate very short period waves.
- Afternoon Winds: S 11 to 16 knots.
- Afternoon Waves: ESE 5 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Sunrise: **6:29AM** and sunset: **6:25PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **4:27AM;2.74m,4:29PM;3.31m**
- Low Tide: **10:12AM;0.78m, 10:51PM;0.44m**

### iii.KILIFI

- Morning Winds: S 12 to 17 knots.
- Morning Waves: SE 5 feet at 7 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: S 13 to 18 knots.
- Afternoon Waves: ESE 5 feet at 8 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Sunrise: **6:29AM** and Sunset: **6:26PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **4:21AM;2.51m,4:22PM;3.07m**
- Low Tide: **10:05AM;0.61m, 10:44PM;0.27m**

### iv. LAMU

- Morning Winds: S 12 to 18 knots.
- Morning Waves: SSE 6 feet at 7 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate short period waves.
- Afternoon Winds: SSW 12 to 18 knots.
- Afternoon Waves: SE 5 feet at 8 seconds.
- Afternoon sea state: Breezy SSW winds with moderate choppy seas. Moderate short period waves.
- Sunrise: **6:22AM** and Sunset: **6:23PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **4:22AM;2.38m, 4:22PM;2.96m**
- Low Tide: **10:06AM;0.59m, 10:47PM;0.25m**

**Advisory**

- Slight to moderate sea conditions are expected with a significant wave height of 0.9 -1.8 m in Kwale, Mombasa, Kilifi and Lamu.
- Gentle to Fresh breeze of 11-18 knots expected in Kwale, Mombasa Kilifi and Lamu throughout the forecast period. **Caution on operating marine activities**

**KEY ON SEA STATE**

| WAVE HEIGHT RANGE<br>(Meters)           | DESCRIPTION       | IMPACT                                                                         |
|-----------------------------------------|-------------------|--------------------------------------------------------------------------------|
| 0.6 – 1.0 m ( $\approx$ 1.8 – 3.0 ft)   | Slight            | <b>Conditions suitable for Marine activities</b>                               |
| 1 – 1.9 m ( $\approx$ 3.0 – 5.7 ft)     | Slight – Moderate |                                                                                |
| 2.0 – 2.9 m ( $\approx$ 6.0 – 8.7 ft)   | Moderate-Rough    | <b>Caution on operating marine activities</b>                                  |
| 3.0 – 4.0 m ( $\approx$ 9.0 – 12.0 ft)  | Rough             | <b>Warning in place!!!!<br/>Warning in place and marine activities on hold</b> |
| 4.1 – 5.5 m ( $\approx$ 12.3 – 16.5 ft) | Very Rough        |                                                                                |

**KEY ON SEA STATE**

| WIND | RANGE                | DESCRIPTIONS                             | IMPACT                                                                                                                                                    |
|------|----------------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | < 1 – 6 Knots        | Calm to Light breeze                     | <b>1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations</b>                                             |
|      | 7 – 21 Knots         | Gentle breeze to Fresh breeze            | <b>7 – 17 knots, small boats are likely to be filled with water sprays and become unstable. Caution in carrying out marine activities</b>                 |
|      | 22 – $\geq$ 34 Knots | Strong breeze to Extremely Strong breeze | <b>More than 21 knots, the ocean state is very much disturbed and the prevailing conditions are dangerous for marine operations. Warning in place!!!!</b> |

*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.*

Dr. Okello and Mr. K.Langat.  
Duty Analysts  
Marine Forecasting Services

For  
DIRECTOR,  
KENYA METEOROLOGICAL DEPARTMENT