



**REPUBLIC OF KENYA**  
**MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY**

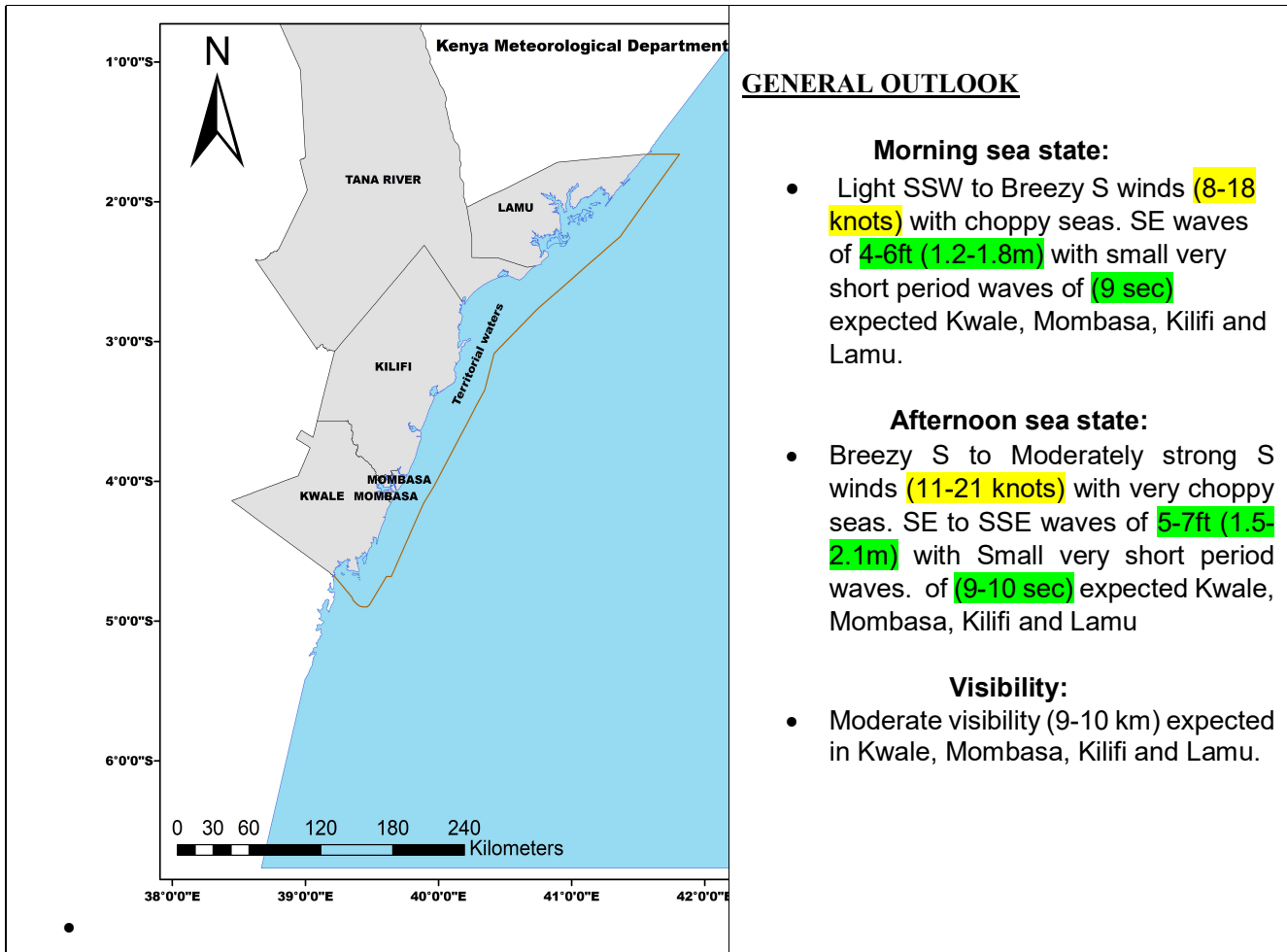
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**DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST**

**Issued at: 1500 EAT on 19<sup>th</sup> June 2024**

**Valid: 0000 EAT on 20<sup>th</sup> June, 2024 to 0000 EAT on 21<sup>st</sup> June, 2024**



## COASTAL COUNTIES MARINE NEAR SHORE FORECAST

### i. KWALE

- Morning Winds: SSW 9-12 knots.
- Morning Waves: ESE 4 feet at 9 seconds.
- Morning sea state: Light SSW winds with a slight chop. Small short-period waves.
- Afternoon Winds: S 17-21 knots.
- Afternoon Waves: ESE 5 feet at 9 seconds.
- Afternoon sea state: Moderate to strong S winds with choppy seas. Small short-period waves
- Sunrise; **6:28AM** and sunset; **6:19PM**
- Visibility: Moderate (**9-10 km**)
- High Tide: **3:00AM; 2.68m, 3:11PM; 2.41m**
- Low Tide: **8:47AM; 0.89m, 9:42PM; 0.63m**

### ii. MOMBASA

- Morning Winds: S 11-18 knots.
- Morning Waves: ESE 6 feet at 9 seconds.
- Morning sea state: Breezy S winds with moderate choppy seas. Moderate short-period waves.
- Afternoon Winds: S 11-16 knots.
- Afternoon Waves: ESE 6 feet at 10seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short-period waves.
- Sunrise; **6:26AM** and sunset; **6:19PM**
- Visibility: **Moderate (9-10 km)**
- High Tide: **3:05AM; 2.56m, 3:13PM; 3.28m**
- Low Tide: **8:46AM; 0.89m, 9:43PM; 0.16m**

### iii. KILIFI

- Morning Winds: SSW 13-17 knots.
- Morning Waves: SE 6 feet at 9 seconds.
- Morning sea state: Breezy SSW winds with moderate choppy seas. Moderate short-period waves.
- Afternoon Winds: S 15-19 knots.
- Afternoon Waves: SE 7 feet at 10 seconds.
- Afternoon sea state: Breezy S winds with moderate choppy seas. Moderate short-period waves.
- Sunrise; **6:24AM** and sunset; **6:19PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:58AM; 2.28m, 3:03PM; 2.98m**
- Low Tide: **8:39AM; 0.75m, 9:37PM; 0.42m**

### i v LAMU

- Morning Winds: S 8-11knots.
- Morning Waves: ESE 5 feet at 9 seconds.
- Morning sea state: Light S winds with a slight chop. Small short-period waves.
- Afternoon Winds: SSE 15-21 knots.
- Afternoon Waves: ESE 5 feet at 10 seconds.
- Afternoon sea state: Moderate to strong SSE winds with choppy seas. Moderate mid-period waves.
- Sunrise; **6:18AM and sunset; 6:18PM**
- Visibility: **Moderate (9-10km)**
- High Tide: **2:59AM; 2.15m, 3:03PM; 2.88m**
- Low Tide: **8:39AM; 0.72m, 9:40PM; 0.39m**

### **Advisory**

- Slight to Moderate sea condition expected with significant wave height 1.2m-2.1m Kwale, Mombasa, Kilifi and Lamu.
- Gentle to Fresh breeze of (08-21 Knots) expected in Kwale, Mombasa, Kilifi and Lamu.

### **KEY ON SEA STATE**

WAVE HEIGHT RANGE (Meters)	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!!!!
4.1 – 5.5 m (≈ 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 – ≥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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