



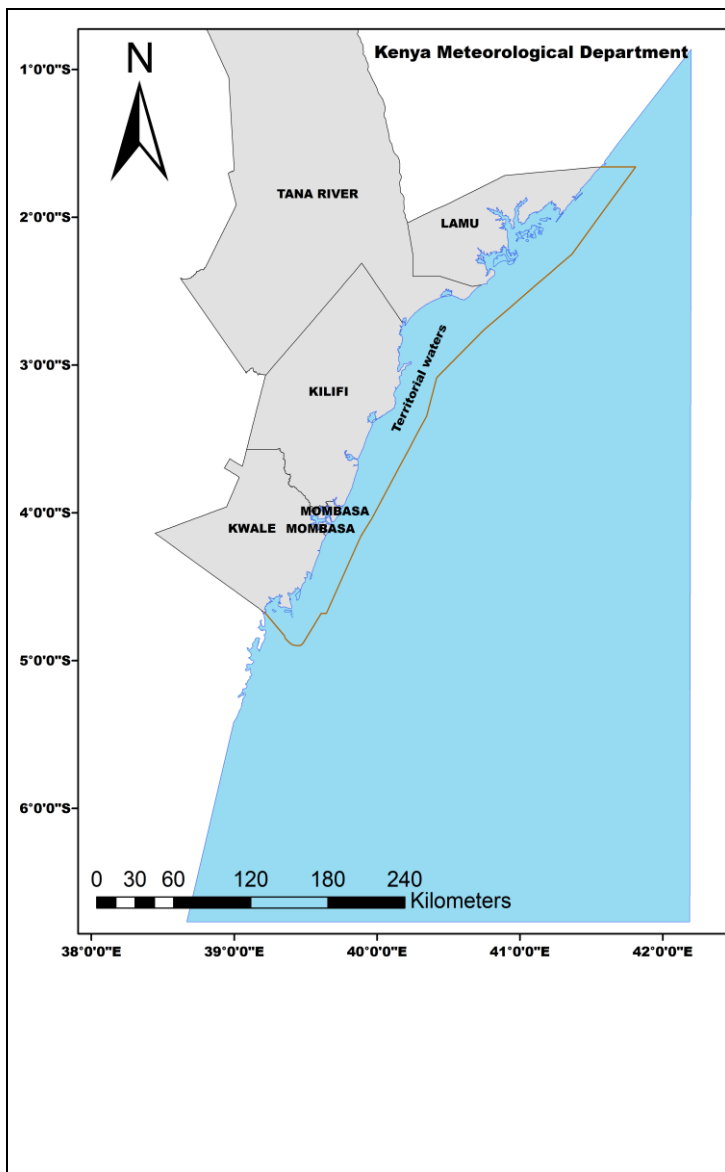
REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT

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DAILY MARINE NEAR SHORE FORECAST FOR KENYAN COAST

Issued at: 1500 EAT on 01th March, 2021

Valid: 0000 EAT on 2nd March, 2021 to 000 EAT on 3rd March, 2021



GENERAL OUTLOOK

Morning sea state:

- Light NNE winds (07-10Knots) with a slight chop. Very small very short period waves (6-7 sec) of 2-3 feet (0.6-0.9M) expected in Lamu, Kwale, Mombasa and Kilifi.

Afternoon sea state:

- Moderate to strong ENE winds (15-22 Knots) with choppy seas. Very small very short period waves (6-7sec) of 2-3feet (0.6-0.9M) expected in Kwale, Mombasa and Kilifi.
- Breezy E winds (14-20 Knots) with Moderate choppy seas. Very small very short period waves (6sec) of 3feet (0.9M) expected in Lamu.

Visibility:

- Moderate visibility (10Km) expected in Lamu, Mombasa, Kwale & Kilifi.

KWALE

- Morning Winds: N 7 to 9 knots.
- Morning Waves: ENE 2 feet at 6 seconds.
- Morning sea state: Light N winds with a slight chop. Very small very short period waves.
- Afternoon Winds: ENE 16 to 22 knots.
- Afternoon Waves: ENE 2 feet at 4 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Very small very short period waves.
- Sunrise; **6:28AM** and sunset; **6:39PM**
- Visibility: **Moderate (10 km)**
- High Tide: **6:04AM; 3.71M, 6:26PM; 3.75M**
- Low Tide: **12:13PM;-0.03M, 12:35AM; 0.19M**

MOMBASA

- Morning Winds: NNE 7 to 10 knots..
- Morning Waves: ENE 3 feet at 7 seconds.
- Morning sea state: Light NNE winds with a slight chop. Very small short period waves.
- Afternoon Winds: ENE 15 to 20 knots.
- Afternoon Waves: ENE 3 feet at 7 seconds.
- Afternoon sea state: Moderate to strong ENE winds with choppy seas. Small short period waves.
- Sunrise; **6:28AM** and sunset; **6:37PM**
- Visibility: **Moderate (10 km)**
- High Tide: **6:12AM; 3.67M, 6:33PM; 3.73M**
- Low Tide: **12:15PM;0.07M, 12:38AM; 0.19M**

KILIFI

- Morning Winds: NNE 7 to 10 knots.
- Morning Waves: ENE 2 feet at 6 seconds.
- Morning sea state: Light NNE winds with a slight chop. Very small very short period waves.
- Afternoon Winds: ENE 15 to 21 knots.
- Afternoon Waves: ENE 2 feet at 6 seconds.
- Afternoon Sea State: Moderate to strong ENE winds with choppy seas. Very small very short period waves.
- Sunrise; **6:26AM** and sunset; **6:37PM**
- Visibility: **Moderate (10 km)**
- High Tide: **5:59AM; 3.34M, 6:21PM; 3.41M**
- Low Tide: **12:08PM; -0.10M, 12:31AM; 0.03M**

LAMU

- Morning Winds: ENE 7 to 10 knots.
- Morning Waves: E 3 feet at 7 seconds.
- Morning sea state: Light ENE winds with a slight chop. Small short period waves.
- Afternoon Winds: E 14 to 20 knots.
- Afternoon Waves: ENE 3 feet at 6 seconds.
- Afternoon sea state: Breezy E winds with moderate choppy seas. Small very short period waves.
- Sunrise; **6:24AM** and sunset; **6:32 PM**
- Visibility: **Moderate (10km)**
- High Tide: **6:00AM; 3.20M, 6:22PM; 3.27M**
- Low Tide: **12:09PM; -0.10M, 12:33AM; 0.04M**

Advisory

Slight to Moderate sea conditions, due to gentle to breezy winds of (07-22Knots), waves of (0.6-0.9M) & very short period waves (6-7sec) are expected in Kwale, Mombasa, Kilifi and Lamu throughout the forecast period.

KEY ON SEA STATE

WAVEHEIGHT RANGE (Metres)	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	
Wave Height of 2.0 – 2.9 m (≈ 6.0 – 8.7 ft)	Moderate-Rough	Caution on operating marine activities
3.0 – >6.0	Rough - Extremely Rough	Warning in place!!!! Warning in place and marine activities on hold

KEY ON SEA STATE

WIND SPEEDS	RANGE	DESCRIPTIONS	IMPACT
SPEEDS	< 1 – 7 Knots	Calm to Light breeze	1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations
SPEEDS	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
SPEEDS	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.

Stella Aura, MBS

DIRECTOR, KENYA METEOROLOGICAL DEPARTMENT

Please address all replies to the Director Kenya Meteorological Department