



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

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REF.NO: KMD/FCST/08-2026/MARINE/33

Date: Issued on 16th August, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 17/08/2026 - 23/08/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

Southerly to South-Westerly winds are expected over Somalia waters with wind speeds of 14 to 28 knots (7-14m/s) throughout the forecast period.

South-Easterly to Southerly winds are expected over Kenya and Tanzania waters with wind speeds of 08 to 20 knots (4-10m/s) throughout the forecast period

1.2 Sig. Wave Height and Direction:

East-south Easterly to Southerly waves are expected over Kenya, Tanzania and Somalia waters with wave heights of 0.5-2.5m ($\approx$ 1.5–7.5 ft) throughout the forecast period.

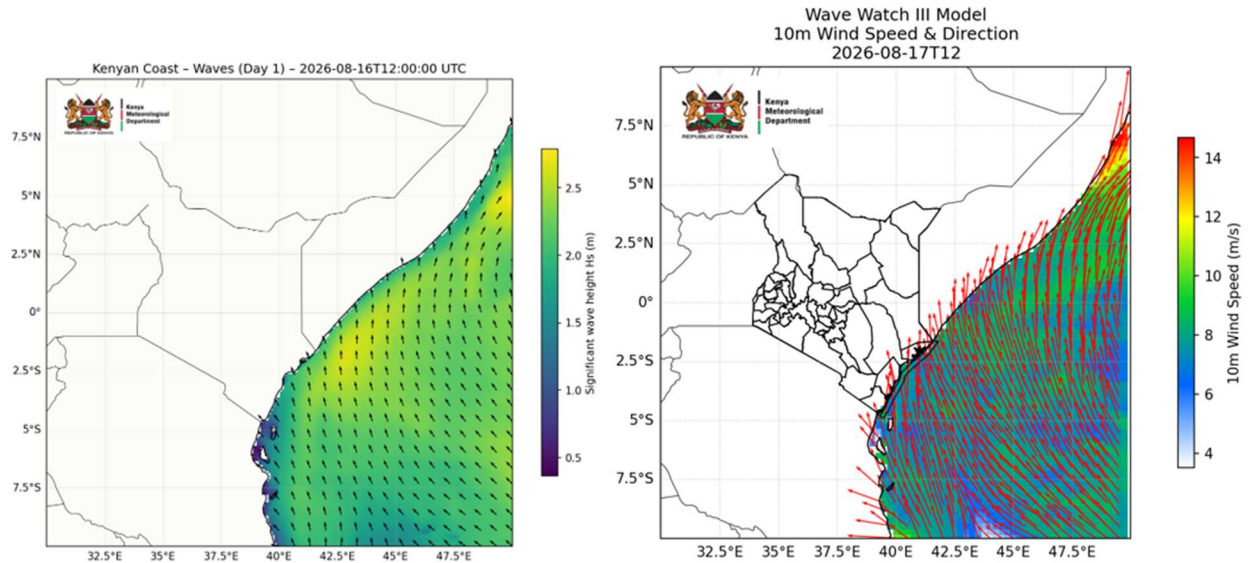
1.3 Sea condition

- Gentle breeze to fresh breeze with wind speeds of 04–10m/s (08 to 20 Knots) expected over Kenya, Tanzania waters throughout the forecast period.
- Gentle breeze to strong breeze with wind speeds of 07–14m/s (14 to 28 Knots) expected over Somalia waters throughout the forecast period
- Slight to Moderate Sea condition with wave heights of 0.5–2.5m ($\approx$ 1.5–7.5 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.

2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 17TH AUGUST, 2026 TO 23RD AUGUST, 2026.

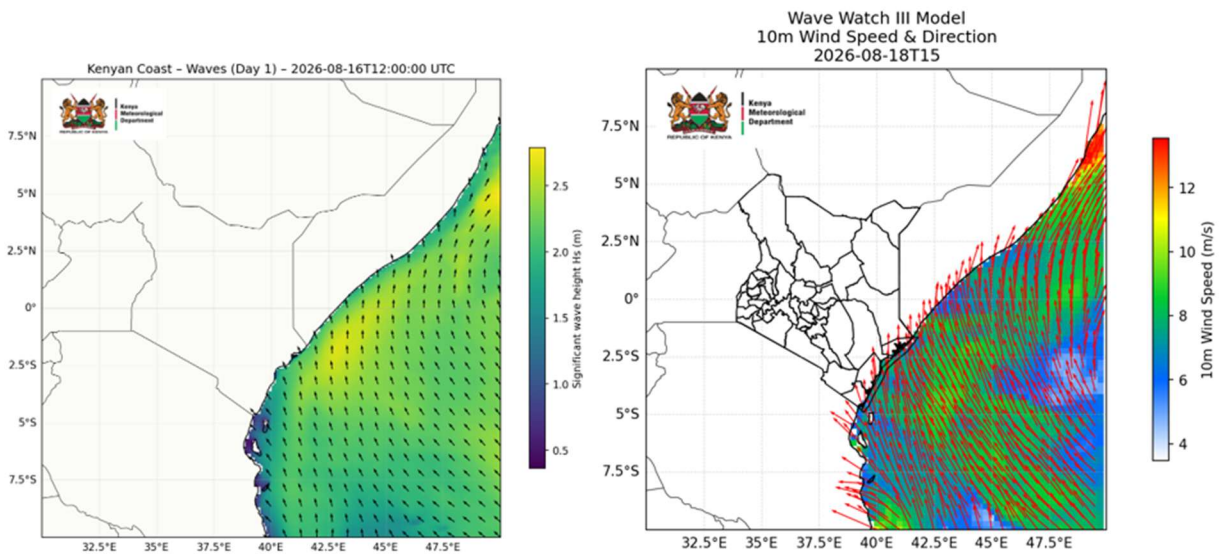
2.1 Monday 17th August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5m to 2.5m ($\approx 1.5 - 7.5$ ft) 10m Winds: 12-28 knots ($\approx 4 - 14$ m/s)



2.2 Tuesday 18th August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

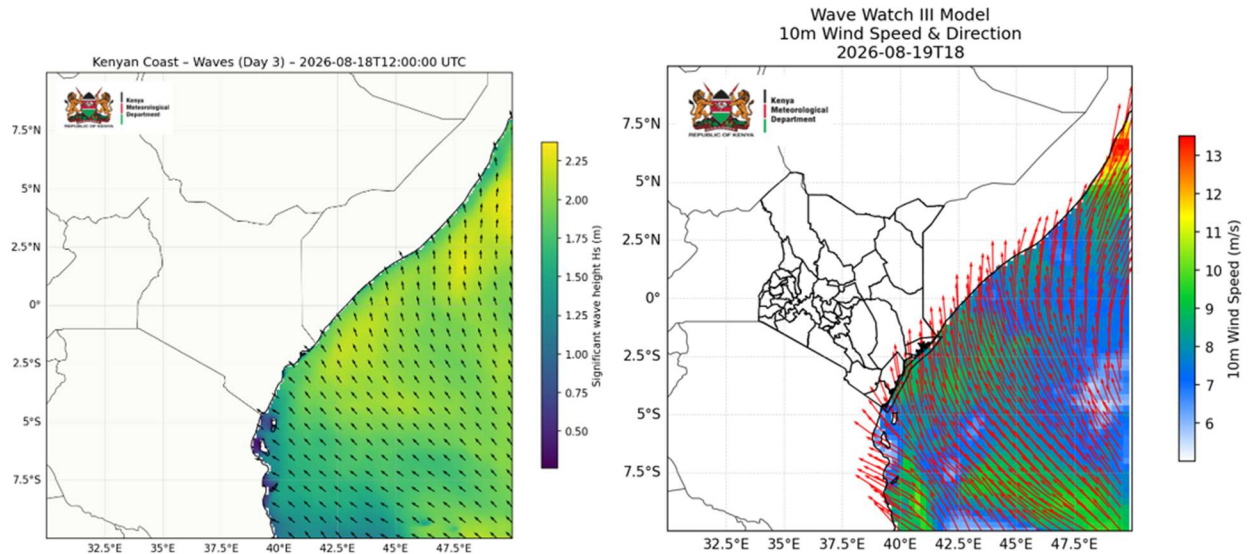
Wave height: 0.5 m to 2.5m ($\approx 1.5 - 7.5$ ft) 10m Winds: 08-26 knots ($\approx 4 - 13$ m/s)



2.3 Wednesday 19th August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m (≈ 1.5 – 7.5ft)

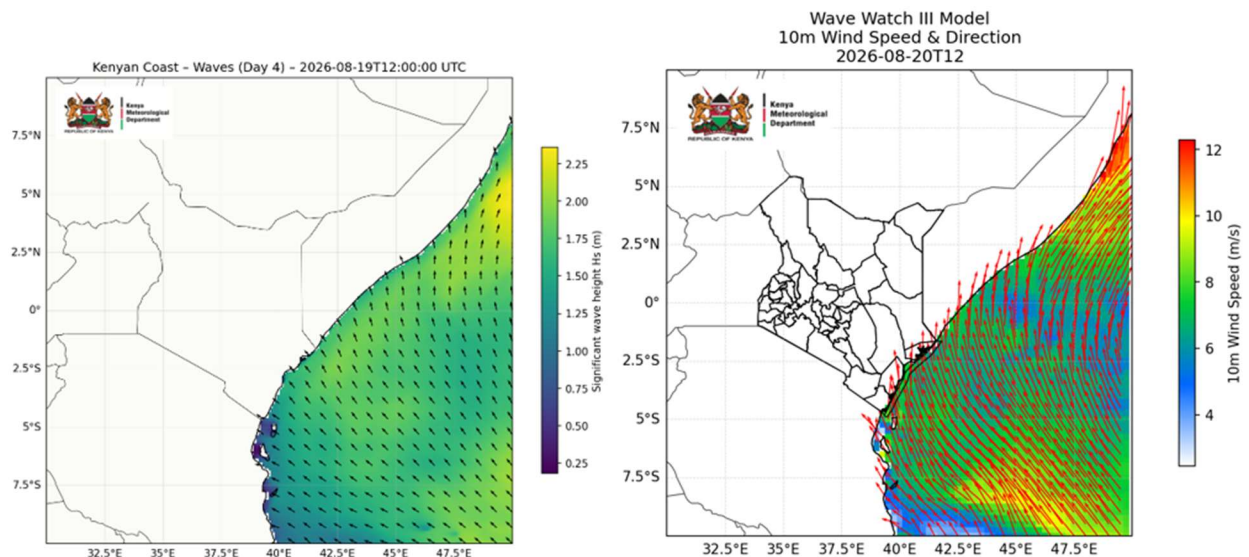
10m Winds: 12-26 knots (≈ 6 – 13m/s)



2.4 Thursday 20th August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5 m (≈ 1.5 –7.5ft)

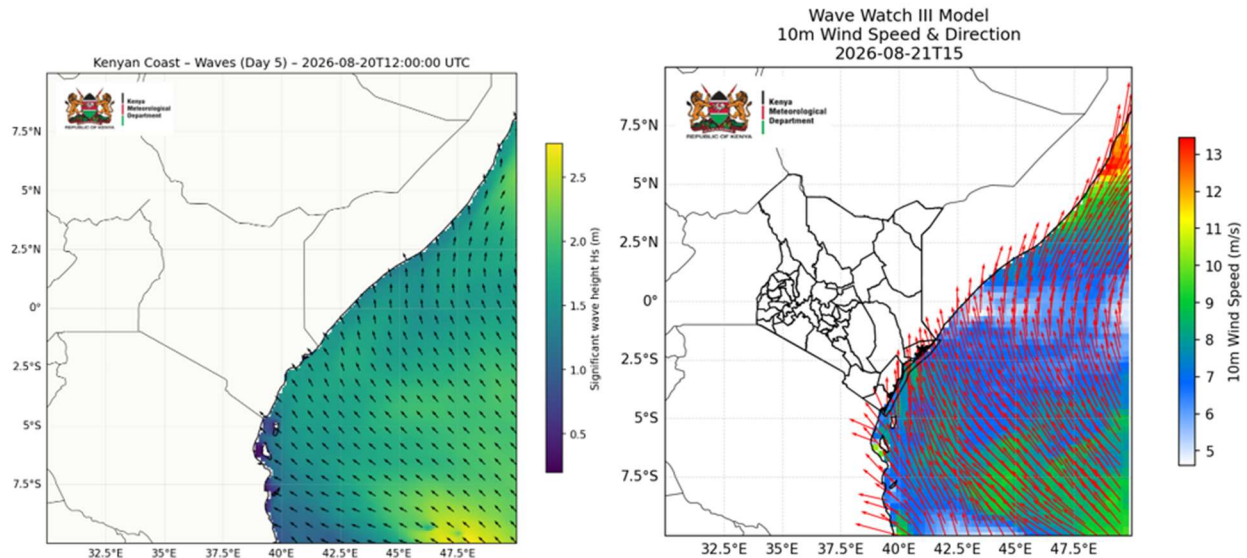
10m Winds: 08-26 knots (≈ 4 – 13m/s)



2.5 Friday 21st August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m (≈ 1.5 –7.5ft)

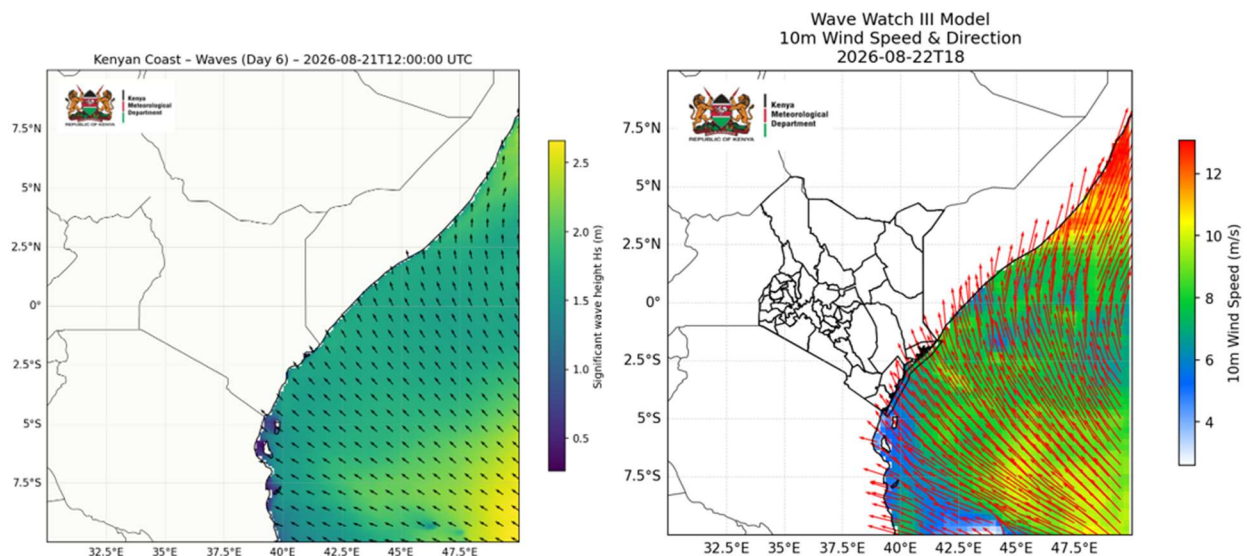
10m Winds: 10-26 knots (≈ 5 – 13m/s)



2.6 Saturday 22nd August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m (≈ 1.5 – 7.5ft)

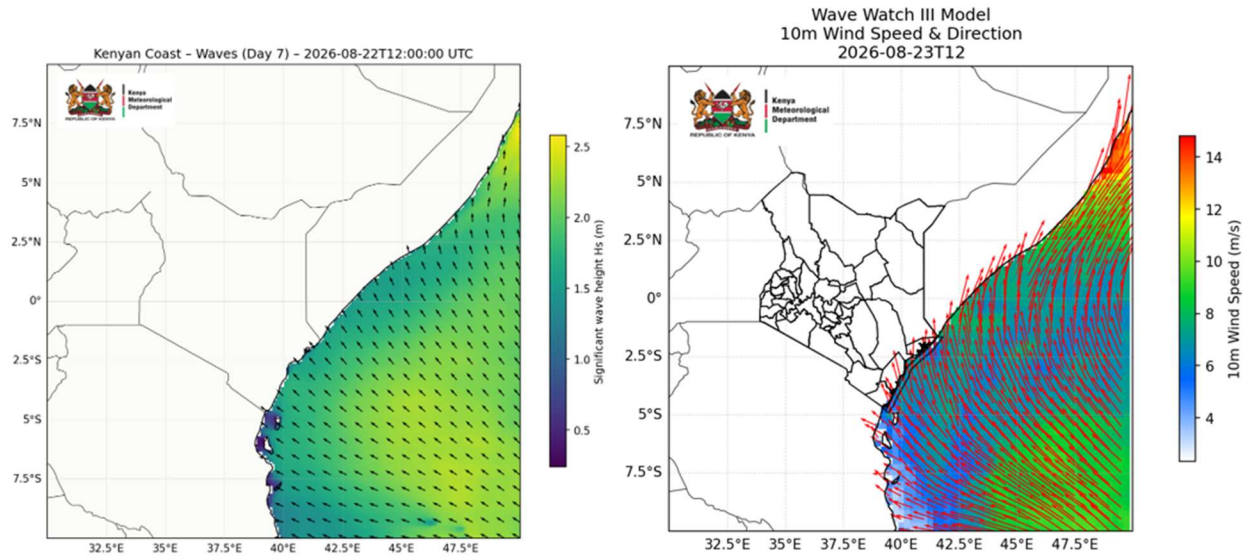
10m Winds: 08-24knots (≈ 4 –12m/s)



2.7 Sunday 23rd August, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft)

10m Winds: 08-28 knots ($\approx$ 4– 14m/s)

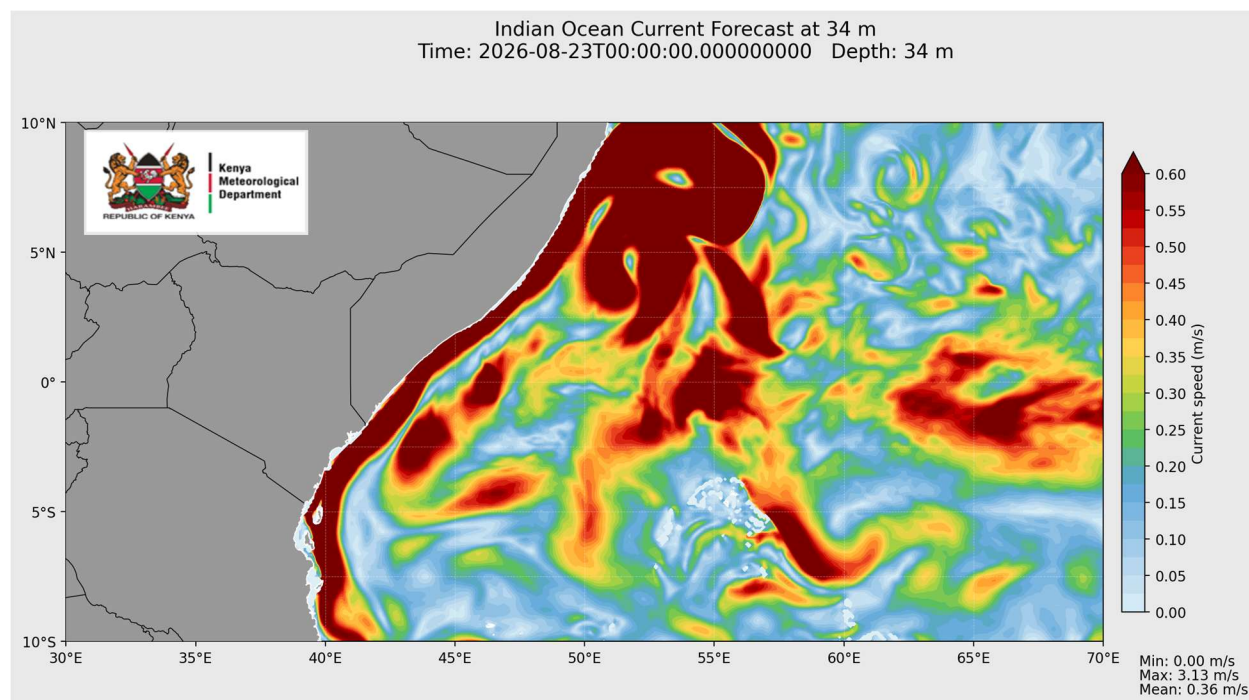


3.0 TIDE FORECAST VALID FROM 16TH AUGUST, 2026 TO 22ND AUGUST, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Mon 17 th August, 2026	1 st Tide	6:58 AM	3.41 m	00:38 AM	0.23 m
	2 nd Tide	7:08 PM	3.08 m	1:03PM	0.45 m
Tue 18 th August, 2026	1 st Tide	7:31 AM	3.24 m	1:08 AM	0.43 m
	2 nd Tide	7:40 PM	2.79 m	1:39PM	0.69 m
Wed 19 th August, 2026	1 st Tide	8:05 AM	3.02 m	1:38 AM	0.67 m
	2 nd Tide	8:12 PM	2:48 m	2:18PM	0.96 m
Thur 20 th August, 2026	1 st Tide	8:44 AM	2.77 m	2:10 AM	0.93 m
	2 nd Tide	8:50 PM	2:19 m	3:07PM	1.23 m

Fri 21st August, 2026	1st Tide	9:39 AM	2.52 m	2:48 AM	1.19 m
	2nd Tide	10:00 PM	1.93 m	4:28PM	1.46 m
Sat 22nd August, 2026	1st Tide	11:22 AM	2.37 m	3:55 AM	1.44 m
	2nd Tide			6:55PM	1.46 m
Sat 22nd August, 2026	1st Tide	1:00 AM	1:89 m	6:18 AM	1.52 m
	2nd Tide	1:24 PM	2:46 m	8:21 PM	1.25 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 16/08/2026 TO 22/08/2026



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
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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 – $\geq$ 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!!!!

N.B: This forecast should be used in conjunction with the daily marine forecast issued by this Department.

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.W.Esibwe

Duty Analysts
Marine Forecasting Services

For DIRECTOR,
KENYA METEOROLOGICAL DEPARTMENT