



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

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REF.NO: KMD/FCST/08-2026/MARINE/36

Date: Issued on 31st August, 2026

7-Day Marine Forecast for the Kenya Coast and Off Shore Areas
Along the Western Indian Ocean Region
Validity: 01/09/2026 - 07/09/2026

1.0 GENERAL OUTLOOK

1.1 Wind Speed & Direction:

South-Easterly to South-Westerly winds are expected over Somalia waters with wind speeds of **10 to 26 knots (5-13m/s)** throughout the forecast period.

North-Easterly to South-Westerly winds are expected over Kenya and Tanzania waters with wind speeds of **04 to 20 knots (02-10m/s)** throughout the forecast period.

1.2 Sig. Wave Height and Direction:

Easterly to South-South-Easterly waves are expected over Kenya, and Tanzania waters with wave heights of **0.4-2.9m ($\approx$ 1.2–8.7ft)** throughout the forecast period.

South-Easterly to South-South-Westerly waves are expected over Somalia waters, with wave high of **1.3-3.0m ($\approx$ 3.9 - 9.0ft),** throughout the forecast period.

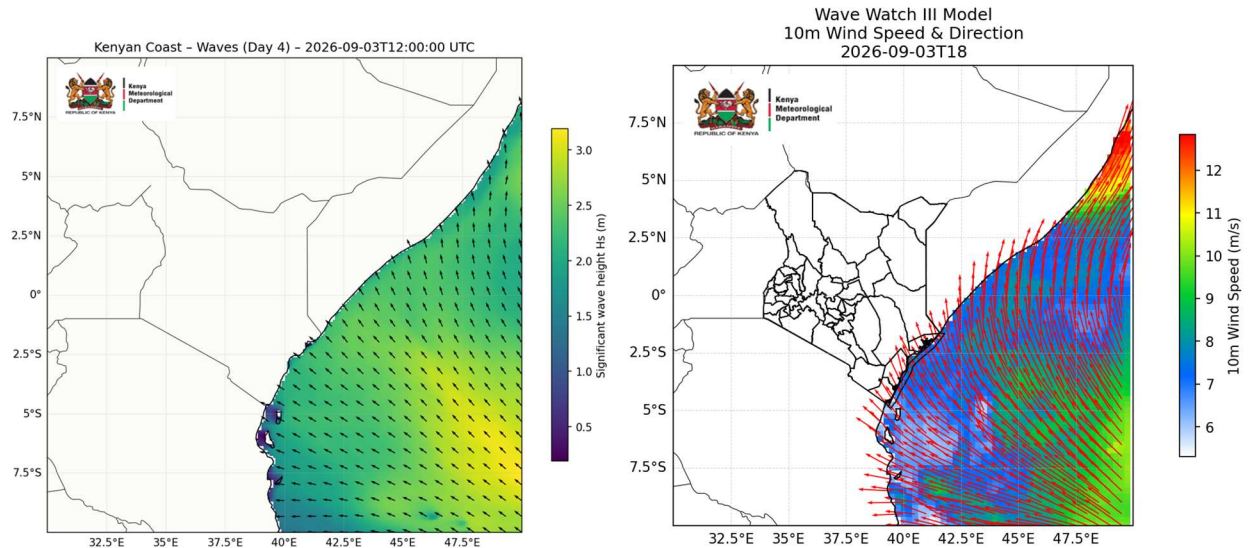
1.3 Sea condition

- **Light to fresh breeze with wind speeds of 02–10m/s (04 to 20 Knots) expected over Kenya, Tanzania waters throughout the forecast period.**
- **Gentle breeze to strong breeze with wind speeds of 05–13m/s (10 to 26 Knots) expected over Somalia waters throughout the forecast period**
- **Slight to Rough Sea condition with wave heights of 0.4-2.9m ($\approx$ 0.75–7.5 ft) expected over Kenya, Tanzania and Somalia waters throughout the forecast period.**
- **Slight to Rough Sea condition with wave heights of 1.3-3.0m ($\approx$ 3.9-9.0 ft) expected over Somalia waters throughout the forecast period.**

2.0 WINDS AND SIGNIFICANT WAVE HEIGHTS FORECAST FOR THE PERIOD 01ST SEPTEMBER, 2026 TO 07TH SEPTEMBER, 2026.

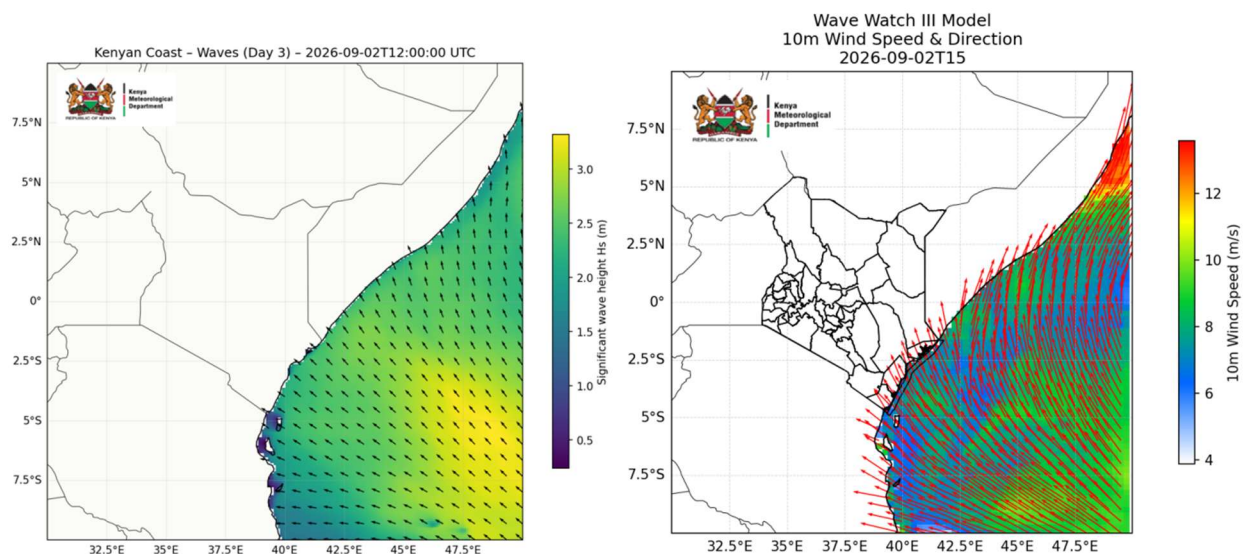
2.1 Tuesday 01st September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft) 10m Winds: 10-26 knots ($\approx$ 5– 13 m/s)



2.2 Wednesday 02nd September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

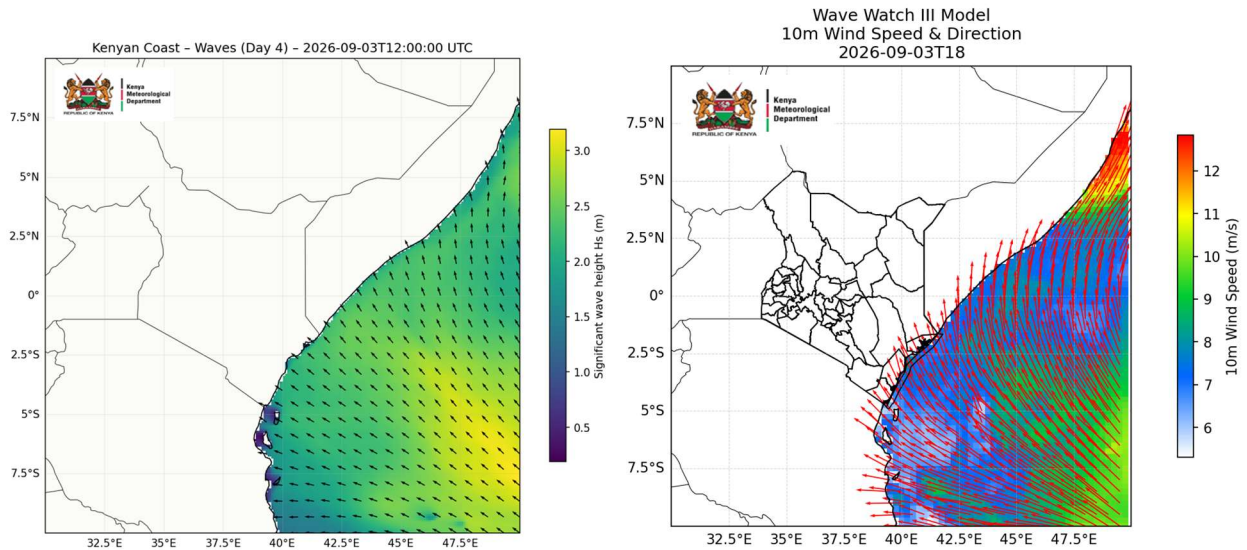
Wave height: 0.5 m to 3.0m ($\approx$ 1.5– 9.0ft) 10m Winds: 10-26 knots ($\approx$ 5– 13m/s)



2.3 Thursday 03rd September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m ($\approx 1.5\text{--}9.0\text{ft}$)

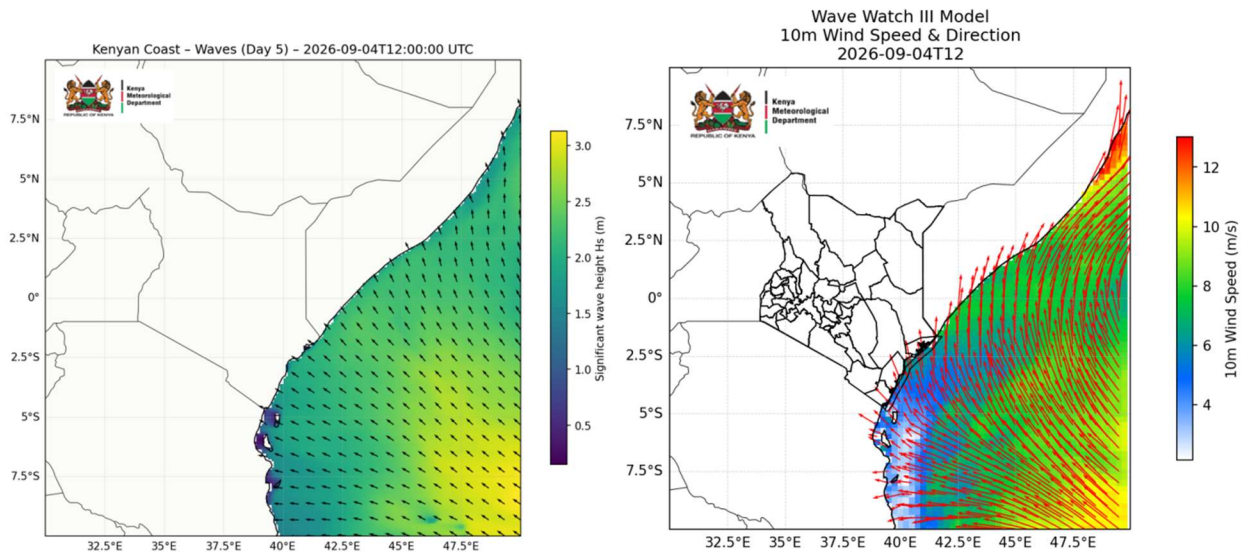
10m Winds: 04-26 knots ($\approx 2 - 13\text{m/s}$)



2.4 Friday 04th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0m ($\approx 1.5\text{--}9.0\text{ft}$)

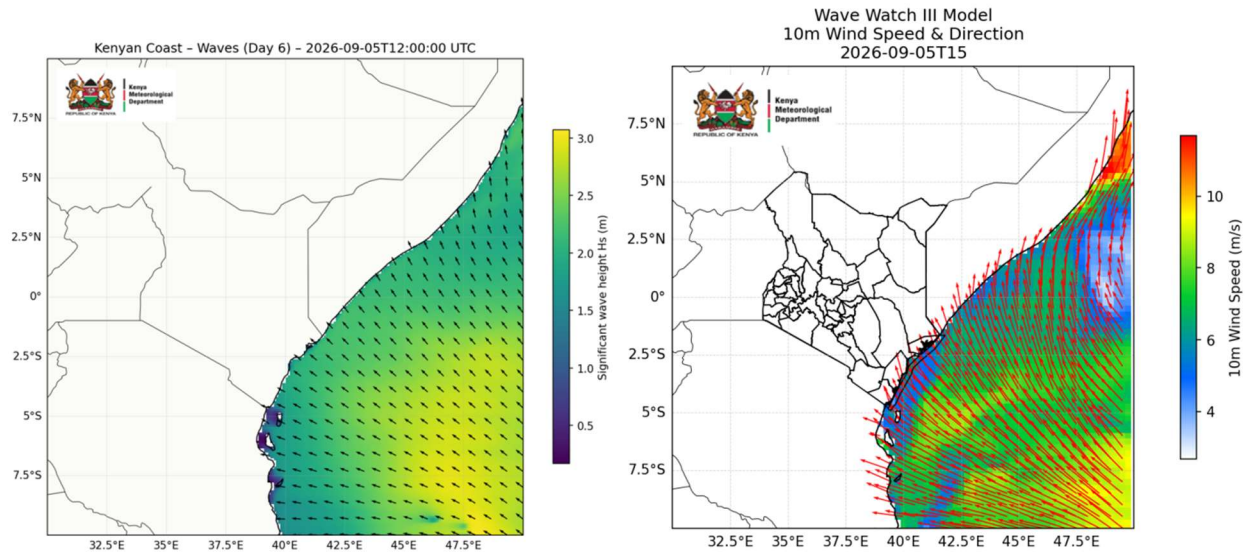
10m Winds: 08-24 knots ($\approx 4\text{--}13\text{m/s}$)



2.5 Saturday 05th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

Wave height: 0.5 m to 3.0 m ($\approx$ 1.5– 9.0 ft)

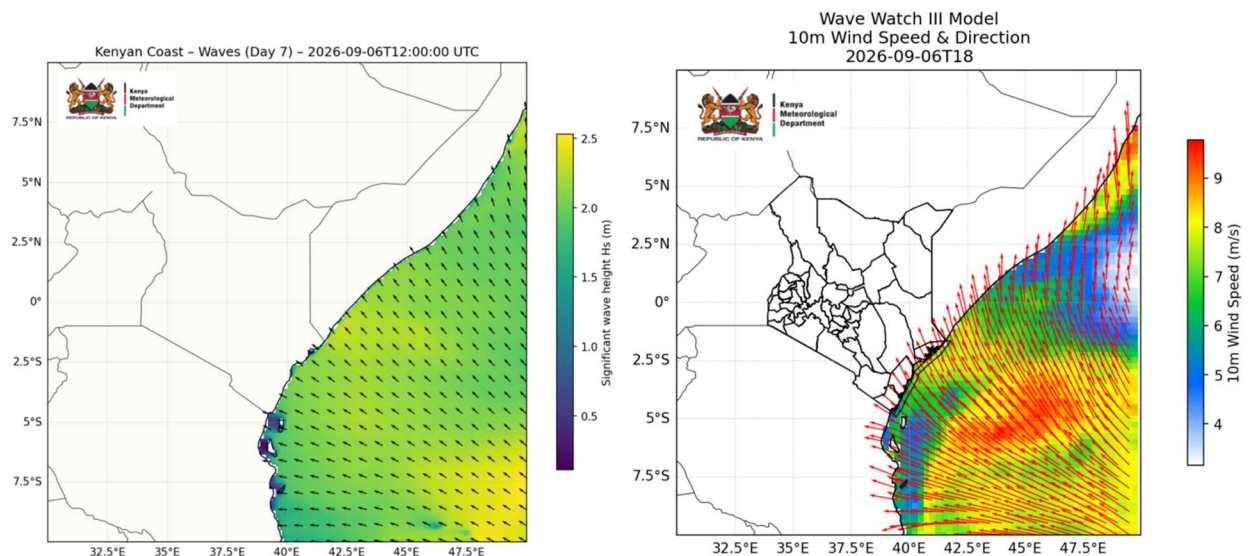
10m Winds: 04-22 knots ($\approx$ 04 –11m/s)



2.6 Sunday 06th September, 2026: Significant Wave Height and Wind Speed (Wave Scale in Meters; Wind Scale in m/s)

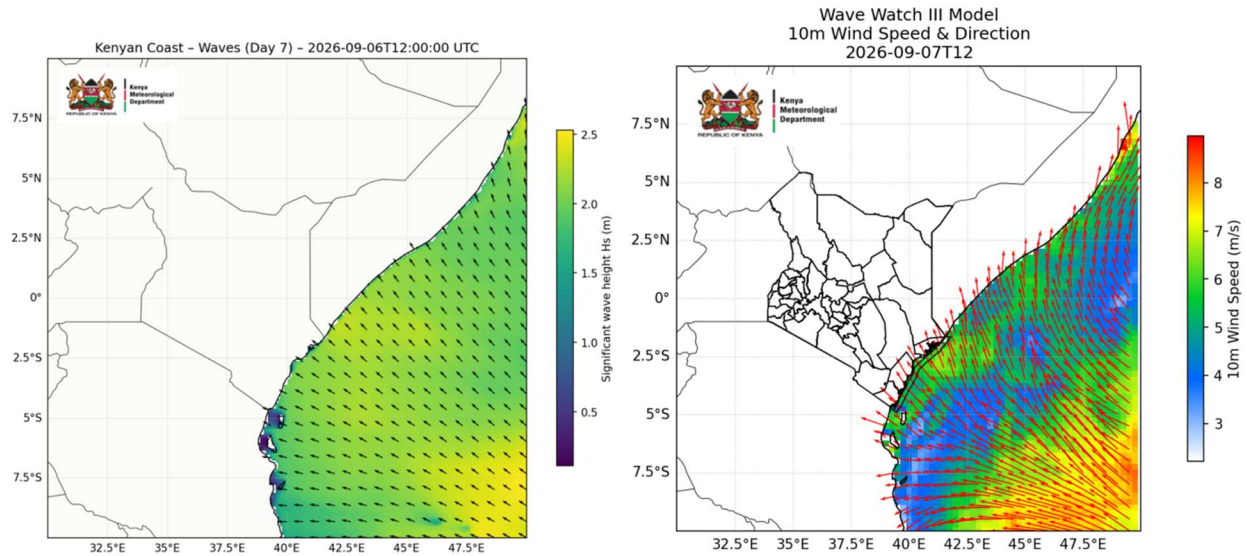
Wave height: 0.5 m to 2.5m ($\approx$ 1.5– 7.5ft)

10m Winds: 04-20 knots ($\approx$ 2– 10m/s)



2.7 Monday 07th September, 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: 08-26 knots ($\approx 4- 12$ m/s)

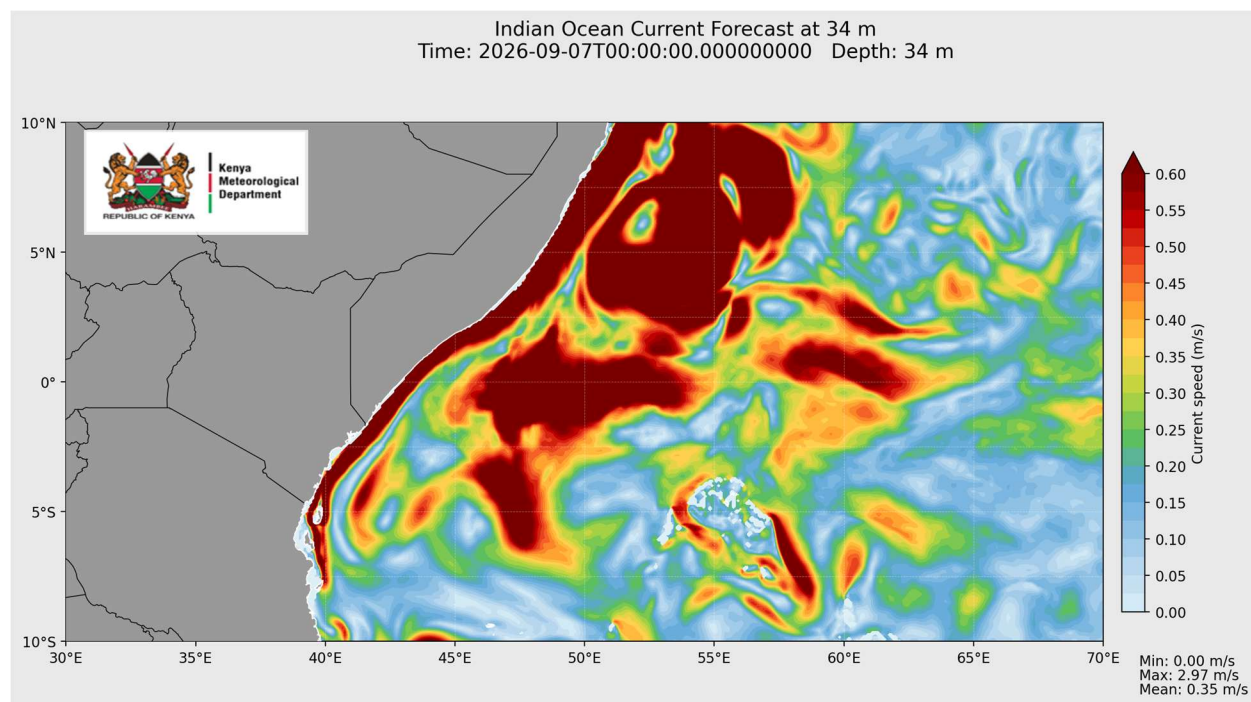


3.0 TIDE FORECAST VALID FROM 01st SEPTEMBER, 2026 TO 07TH SEPTEMBER, 2026.

Date	Description	High Tide		Low Tide	
		Time	Height	Time	Height
Tue 01 st September, 2026	1 st Tide	6:26 AM	3:54 m	00:07 AM	0.2 m
	2 nd Tide	6:41 PM	3:16 m	12:33 PM	0.3 m
Wed 02 nd September, 2026	1 st Tide	7:00 AM	3:45 m	00:36 AM	0.32 m
	2 nd Tide	7:15 PM	2.9 m	1:10 PM	0.47 m
Thu 03 rd September, 2026	1 st Tide	7:58 AM	3:28 m	1:08 AM	0.51 m
	2 nd Tide	7:54 PM	2.6 m	1:53 PM	0.72 m
Fri 04 th September, 2026	1 st Tide	8:25 AM	3:04 m	1:45 AM	0.75 m
	2 nd Tide	8:57 PM	2.27 m	2:50 PM	1.01 m

Sat 05th September, 2026	1st Tide	9:34 AM	2.77 m	2:35 AM	1.04 m
	2nd Tide	10:26 PM	2.01 m	4:24 PM	1:26 m
Sun 06th September, 2026	1st Tide	11:30 AM	2.63 m	4:05 AM	1.31 m
	2nd Tide			6:45 PM	1:22 m
Mon 07th September, 2026	1st Tide	00:55 AM	2.09 m	6:32 AM	1.31 m
	2nd Tide	1:20 PM	2.78 m	8:08 PM	0.94 m

4.0 7 DAYS OCEAN SURFACE CURRENT IN METERS PER SECONDS (M/S) FORECAST VALID 01//09/2026 TO 07/09/2026



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!!!! Warning in place and marine activities on hold
4.1 – 5.5 m ($\approx$ 12.3 – 16.5 ft)	Very Rough	

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. Muriithi

Duty Analysts
Marine Forecasting Services

For DIRECTOR,
KENYA METEOROLOGICAL DEPARTMENT