



REPUBLIC OF KENYA
MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY
KENYA METEOROLOGICAL DEPARTMENT
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Our Ref: MET/MSA-CNTY WEEK 1 FEBRUARY 2025





























Date of Issue: 3RD FEB 2025

MOMBASA COUNTY WEEKLY WEATHER FORECAST VALID 4TH – 10TH FEB 2025

PART-I: Mombasa County Weekly Weather Outlook

- 1 Mixed weather conditions are expected throughout the forecast week. Slight to moderate showers expected during the week on Tuesday and Thursday
 - 2 The expected range of daytime MAXIMUM temperature is 31- 32 °C; the average MINIMUM temperature will be around 25 °C.
 3. Wind strength will vary between 5 - 10 m/s (10 – 20 Kt) throughout the forecast period.
 4. **Rough to Moderate Ocean conditions throughout the forecast week**. Ocean conditions (1.0 – 2.5 m).
 - 5 CAUTION IS ADVISED WHILE CONDUCTING MARINE ACTIVITIES IN DEEP SEAS
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PART-II: Detailed Weekly Weather Forecast for Mombasa County

		Probable weather						
		Notes: Light rains < 1-5 mm; Moderate rains 5-20 mm; Heavy rains > 20 mm						
		Tue 4/2/2025	Wed 5/2/2025	Thurs 6/2/2025	Fri 7/2/2025	Sat 8/2/2025	Sun 9/2/2025	Mon 10-/2/2025
Rainfall	Morning	 Showers and cloudy	 Cloudy and Sunny	 Showers and Cloudy	 Cloudy and Sunny	 Cloudy and sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Afternoon	 Cloudy Sunny intervals	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny	 Cloudy and Sunny
	Night	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly Cloudy	 Partly cloudy	 Partly Cloudy	 Partly Cloudy
	Distribution	 Several places	 Several Places	 Several places	 Several places	 Several places	 Several places	 Several places
Temperature	Maximum	31 °C	31 °C	31 °C	31 °C	31 °C	31 °C	31 °C
	Minimum	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C	25 °C
Humidity	Maximum	80 %	84%	86 %	85 %	85 %	85 %	85 %
	Minimum	72 %	70 %	75 %	74 %	74 %	75 %	74 %
Wind Maximum	Speed & Direction	North East @ 9 m/s	North East @ 9 m/s	North East @ 8 m/s	North East @ 6 m/s	North East @ 6 m/s	North East @ 5 m/s	North East @ 5 m/s
Significant Ocean wave height		2.0– 2.5 m Rough	2.0 - 2.4 m Rough	1.8 – 2.2 m Moderate	1.4 – 2.0 m Moderate	1.2 – 1.6 m Moderate	1.0 – 1.2 m Moderate	1.0 – 1.2 m Moderate

PART-III: WEATHER SYMBOLS

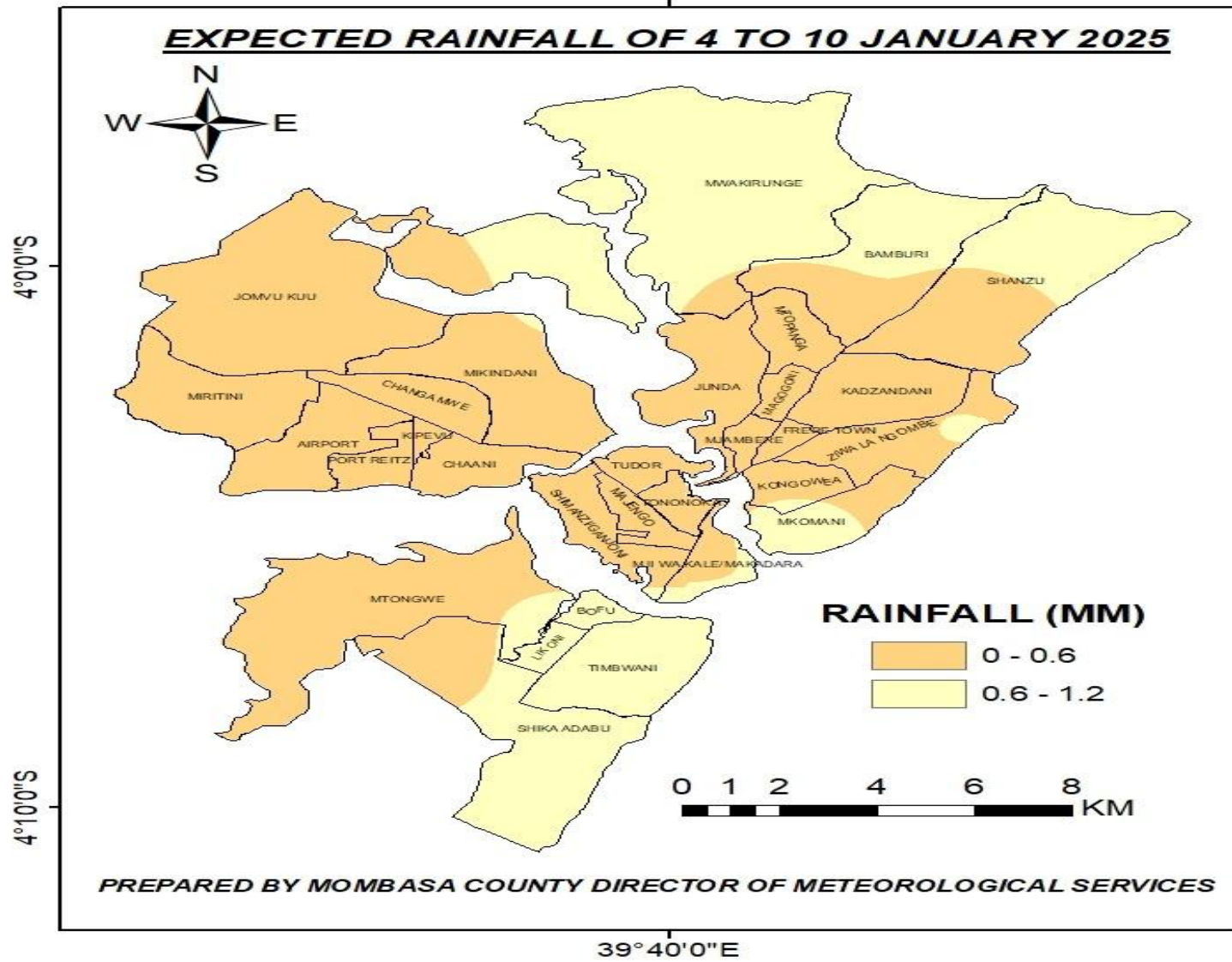
Key for Marine Hazard Symbols

WAVE HEIGHT RANGE (Metres)		DESCRIPTION	IMPACT
0.5 – 1.0		SLIGHT SEA STATE	<p>Conditions suitable for Marine activities</p> <p>Caution when operating marine activities</p> <p>Warning in place!!!!</p> <p>Warning in place on marine activities</p>
1.1 – 2.0		MODERATE SEA STATE	
2.1 – 3.0		ROUGH	
>3.0		VERY ROUGH	
Conditions suitable for Marine Activities			
Caution required when operating Marine Activities in deep seas (Significant high waves)			
Warning in Place (Sea significantly Rough)			
WIND SPEEDS	RANGE	DESCRIPTIONS	IMPACT
	< 1	-Calm:	<p>1 – 6 knots, the Ocean is relatively calm with very little disturbance. Suitable for Marine operations</p> <p>7 – 17 knots, small boats are likely to be filled with water sprays and become unstable.</p> <p>Caution in carrying our marine activities</p> <p>More than 20 knots, the ocean state is very much disturbed and the prevailing conditions is dangerous for marine operations. Warning in place!!!!</p>
	1 – 3 Knots	-Light air: rising smoke drifts	
	4 – 6 Knots	-Light breeze: can feel wind on the face, small wavelets develop.	
	7 – 10 Knots	-Gentle breeze: Light weight flags extend, small wavelets, some whitecaps develop	
	11 – 16 Knots	-Moderate Breeze: Small waves develop and become longer	
	17 – 21 Knots	-Fresh breeze: white crested wavelets form with some sprays	
	22 – 27 Knots	-Strong breeze: large waves form, white caps and sprays:	
	28 – 33 Knots	-Very strong winds: larger waves develop and white foams from breaking waves begin to be blown	
>34 Knots	Extremely strong. Larger waves with blown foams		
DIRECTIONS	N, E, S, W	The pointer indicates the direction from which the wind is blowing from	

Mr. Joseph Amollo

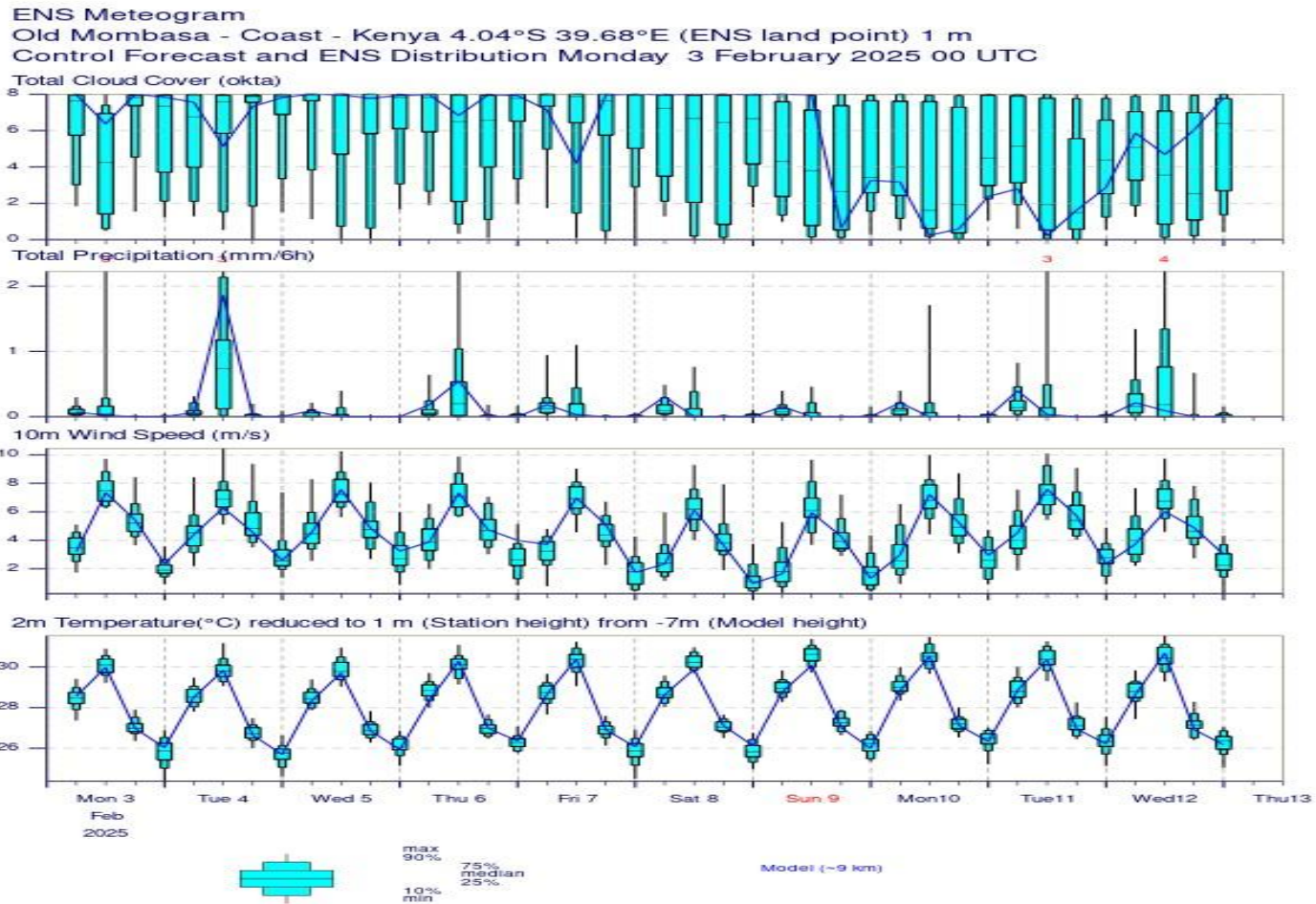
County Director of Meteorological Services, Mombasa County

PRECIPITATION DISTRIBUTION OVER MOMBASA COUNTY 4 – 10 FEB 2025

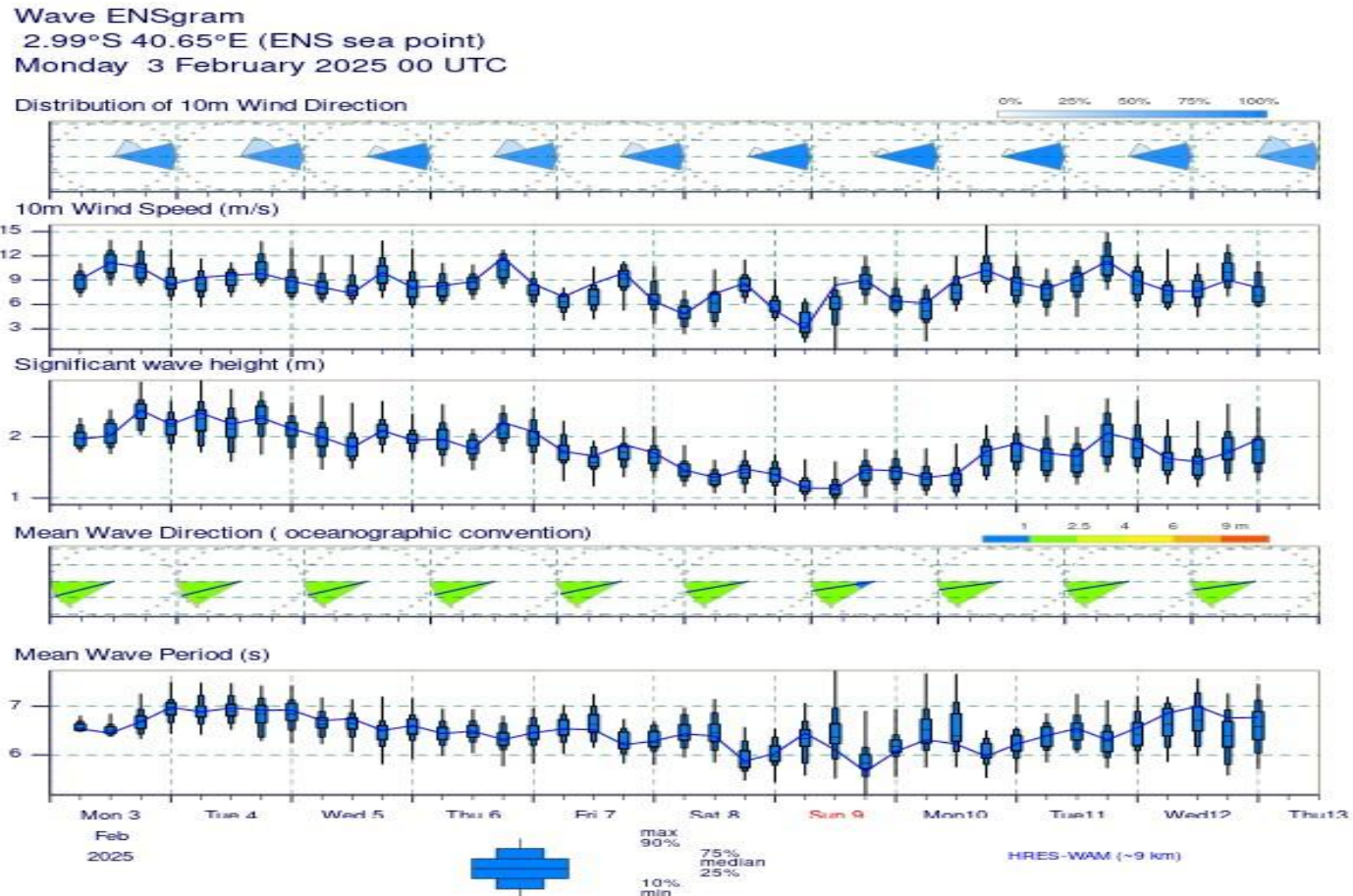


ADDITIONAL INFORMATION

10 DAYS FORECASTS FOR WINDS, PRECIPITATIONS AND TEMPERATURE MOMBASA



TEN DAYS SIGNIFICANT WAVE HEIGHTS, WINDS, OVER SOUTH WEST INDIAN OCEAN



The distribution of wind directions is North East, throughout the 10 days forecast period, the wind speeds vary between 4 m/s and 8 m/s, the wave heights vary between 1.0 m and 1.8 m. The wave directions are Northeasterly (NE) and the wave periods between 5 and 7 seconds