# Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 177

**Country: Samoa** 

Part 1: Recent climate

**TABLE 1: Monthly Rainfall** 

Station (include data period)	Mar-2022	Apr-2022	May-2022				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				Nailk
Apia (1890-2022)	198.7	182.5	167.5	144.1	236.5	175.4	68/133
Afiamalu (1903-2022)	310.2	182.4	254.9	249.2	364.6	312.6	28/69
Nafanua (1965-2022)	235.6	205.0	208.2	187.2	260.8	200.7	27/51
Faleolo (1956-2022)	93.8	132.7	118.6	101.5	178.3	135.5	26/61

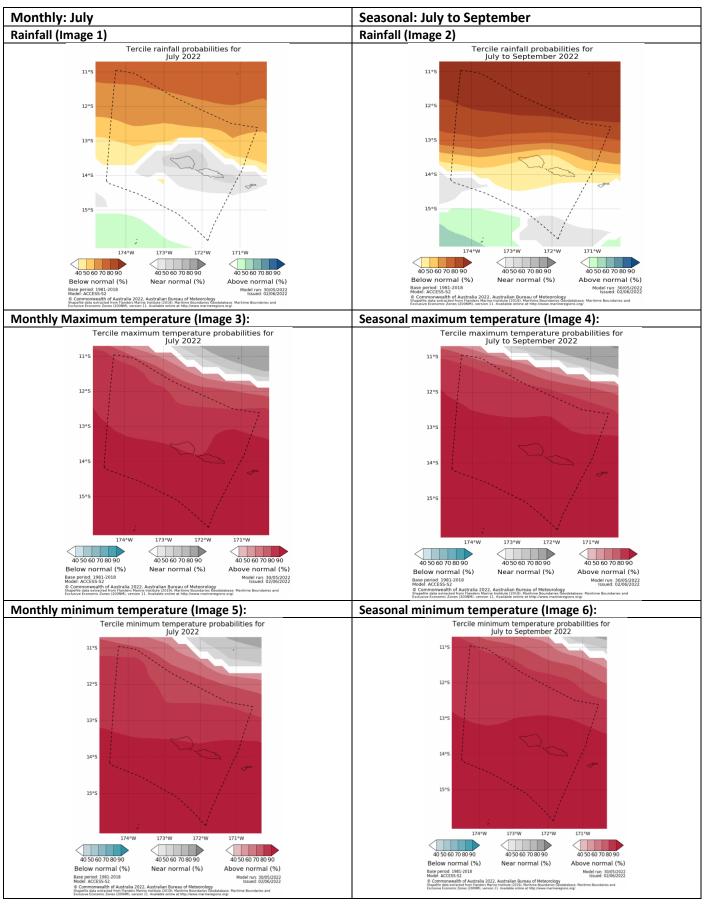
**TABLE 2: Three-month Total Rainfall for March to May 2022** 

Station	Three-month Total		33%tile	67%tile	Median	Rank	
Apia (1890-2022)	548.7	Below normal	660.2	883.8	765.8	22/133	
Afiamalu (1903-2022)	747.5	Below normal	1041.8	1299.5	1188.6	11/68	
Nafanua (1965-2022)	648.8	Below normal	777.9	1015.7	869.1	11/50	
Faleolo (1956-2022)	345.1	Below normal	474.9	622.0	536.2	9/60	

 $Very \ Low: \ X < 0.0 \\ Low: \ 0 \le X < 5 \\ Moderate \ 5 \le X < 10 \\ Good: \ 10 \le X < 15 \\ High: \ 15 \le X < 25 \\$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

# Part 1i. Monthly and Seasonal Outlooks for July and July to September 2022



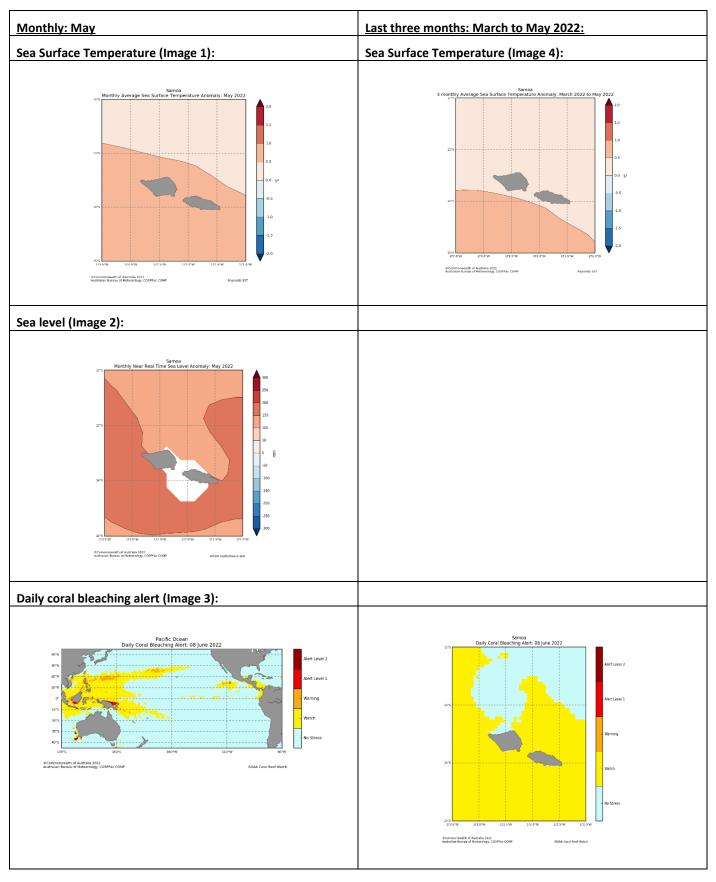
NB: The X LEPS % score has been categorised as follows:

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25 \qquad \qquad Low: \ 0 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad Good: \ 1$ 

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

# Part 2: Recent Ocean summary statement

### Monthly: May 2022

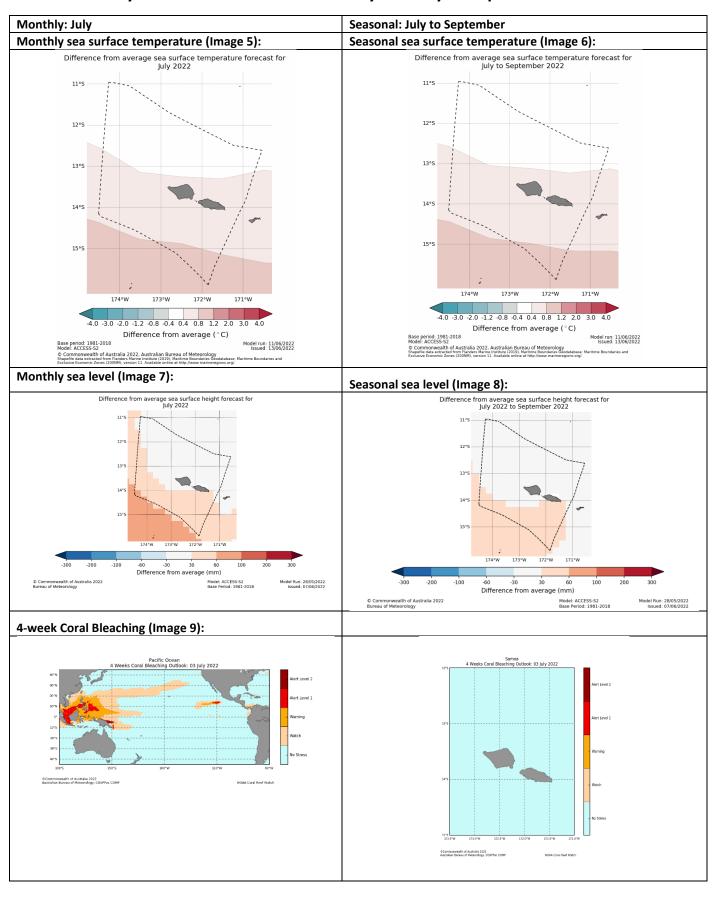


NB: The X LEPS % score has been categorised as follows:

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le \ X < 15 \qquad High: \ 15 \le X < 25$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$ 

# Part 2i. Monthly and Seasonal Outlooks for July and July to September 2022



#### NB: The X LEPS % score has been categorised as follows:

Very Low: X < 0.0 Low:  $0 \le X < 5$  Moderate  $5 \le X < 10$  Good:  $10 \le X < 15$  High:  $15 \le X < 25$ 

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

#### **Summary Statement**

#### Monthly and last three months: May 2022/March to May 2022 statement (Highly significant changes)

Normal rainfall was recorded at all stations in May 2022.

Below normal rainfall was recorded at all stations in the past three months across Samoa.

### Part 1i. Monthly and Seasonal Outlooks for July and July to September 2022

#### Monthly /Seasonal rainfall and temperature Outlook statements (Highly significant changes)

The outlook for Samoa for the period of July is likely to be *near normal*. The seasonal rainfall outlook for Samoa is likely to be *below normal*.

The monthly and seasonal temperature outlook for Samoa is very likely to be above normal.

### Part 2: Recent Ocean summary statement

#### Monthly and last three months: May/March to May 2022 (Highly significant changes)

The monthly and three months outlook for Samoa shows sea surface temperatures are likely to be normal.

The month of May revealed above normal SST conditions with anomalies of 0.5-1.0 degrees Celsius. The last three months, March to May revealed near normal SST conditions for Samoa.

The sea level anomaly showed above average sea level heights of 100-150 mm for the month of May.

Coral bleaching alert is on 'Watch' status.

## Part 2i. Monthly and Seasonal Outlooks for July and July to September 2022

#### "Ocean Variable statement (Highly significant changes)

The monthly and seasonal outlook for Samoa shows sea surface temperatures are likely to be normal for the month of July and seasonal months of July to September.

The monthly and seasonal outlook for Samoa shows sea surface heights are likely to be normal for July and July to September.

The outlook for Samoa shows no thermal stress for the next four weeks.

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25 \qquad \qquad Low: \ 0 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad \qquad Good: \ 10 \le X < 10 \qquad Good: \ 1$ 

Very High: 25 ≤X < 35 Exceptional: X ≥ 35

**TABLE 3:** Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: May 2022	Stakeholder	Total Number of Participants	Number of male	Number of female
EAR Watch	10th	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
Ocean Outlook	10th	RED Cross, Water Authority (SWA), Media, Health, Works & Infrastructure, Land & Transport Authority, Agriculture & Fisheries, Fire Services, Ministry of Women, National University of Samoa, Tourism, Foreign Affairs, Communication and Information Technology, Disaster Managers, Marines	65	27	38
		Total	65	27	38

 $Very \ Low: \ X < 0.0 \qquad \qquad Low: \ 0 \le X < 5 \qquad \qquad Moderate \ 5 \le X < 10 \qquad \qquad Good: \ 10 \le X < 15 \qquad High: \ 15 \le X < 25$ 

Very High:  $25 \le X < 35$  Exceptional:  $X \ge 35$