Country: COOK ISLANDS

TABLE 1: Monthly Rainfall

	Mar-	Apr-			May-2019		
Station (include data period)	2019	2019	Total (mm)	. 33%tile 67%tile	Median	Rank	
	Total (mm)	Total (mm)		Nalik			
Penrhyn (1937-2019)	57.8	83.0	100.0	101.9	186.3	126.3	29/81
Rarotonga (1899-2019)	378.5	157.1	254.5	112.7	197.7	149.0	104/121

TABLE 2: Three-month Rainfall for March to May 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 December 18 -January 19			Verification: Consistent, Near- consistent,	
		Rai	infall (mm)				B-N N A-N LEPS I			Inconsistent?	
Penrhyn (1937-2019)	240.8	Below normal	400.0	676.0	501.4	7/79	24	31	45	7	Inconsistent
Rarotonga (1899-2019)	790.1	Above normal	493.8	619.3	554.0	110/121	45	32	23	8	Inconsistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for July to September 2019Predictor and Period used: NINO3.4 for April to May 2019

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Penrhyn (1937-2019)	25	342.0	75	12	63
Rarotonga (1899-2019)	54	294.0	46	-1	54

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit-rate (%) [whole numbers]
Penrhyn (1937-2019)	17	293.7	22	439.9	61	10	49
Rarotonga (1899-2019)	37	250.0	29	349.0	34	-1	36

TABLE 4: Seasonal Climate Outlooks using POAMA2 for July to September 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Penrhyn	58	254.0	21	522.0	21
Rarotonga	30	238.0	40	368.0	30

Summary Statements

Rainfall for May 2019:

Rainfall for May 2019 was below normal for Penrhyn and above normal for Rarotonga.

Accumulated rainfall for March to May 2019, including outlook verification:

Accumulated rainfall for March to May 2019 was below normal at Penrhyn and above normal for Rarotonga station. Penrhyn recorded its seventh-driest March-May on record, while Rarotonga recorded the twelfth-wettest March-May on record.

Outlook verification was inconsistent for both Penrhyn and Rarotonga, with moderate skill also for both stations.

Outlooks for July to September 2019:

1. SCOPIC:

Rainfall Outlook for Penrhyn favours above normal rainfall, while outlook for Rarotonga offers little guidance as the chances of above normal, normal and below normal are similar.

Penrhyn has good confidence in its forecast, and Rarotonga shows a very low confidence.

2. POAMA:

POAMA favours below normal for Penrhyn. At Rarotonga, the outlook shows Normal as the most likely outcome, with equal chances for above and below normal being the next most likely.

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

Low: $0 \le X < 5$ Moderate $5 \le X < 10$

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

Very Low: X < 0.0

 Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: May 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin					
EAR Watch					
Monthly Climate Briefing					
Ocean Bulletin					
Drought and EAR Watch training					
		Total			