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**SUMMARY OF PREDICTED 2022 SPRING TIDES IN TARAWA FALLING WITHIN SEA LEVEL
RISK BASED ON HISTORICAL OBSERVATIONS USING BoM TIDAL CALENDAR**

MONTH	DATE	TIME	HEIGHT (M)	MOON PHASE
JANUARY	2 nd	1620	2.85	NEW MOON
	3 rd	1706	2.88	
	4 th	1751	2.85	
	31 st	1620	2.81	
FEBRUARY	1 st	1702	2.88	
	2 nd	1742	2.88	
	3 rd	1817	2.81	
MARCH	2 nd	1647	2.84	
	3 rd	1721	2.84	
APRIL	18 th	0518	2.80	
MAY	17 th	0500	2.81	
JULY	14 th	0445	2.81	
	15 th	0533	2.83	
AUGUST	12 th	0439	2.86	
	13 th	0519	2.89	
	14 th	0558	2.85	
SEPTEMBER	10 th	0421	2.87	
	11 th	0457	2.89	
	12 th	0530	2.82	
OCTOBER	25 th	1621	2.80	NEW MOON
	26 th	1653	2.84	
	27 th	1727	2.82	
NOVEMBER	23 rd	1558	2.81	
	24 th	1635	2.86	
	25 th	1715	2.84	
DECEMBER	23 rd	1629	2.84	
	24 th	1714	2.86	
	25 th	1800	2.83	

Note: From past observations, spring tides with heights of 2.80 meters or more (obtained through the BoM tide calendar), overtopping and inundation of sea water can be observed in low lying coastal sites along Tarawa. They worsen when associated with windy or gusty conditions. The causes of spring tides are different from those of storm surges. Storm surges are more related to storm events. Impacts from sea during storm surges can be observed although tide level is less than 2.80 meters.

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