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**SUMMARY OF PREDICTED 2023 SPRING TIDES IN TARAWA FALLING WITHIN SEA LEVEL  
RISK BASED ON HISTORICAL OBSERVATIONS USING BoM TIDAL**

MONTH	DATE	TIME	HEIGHT (M)	MOON PHASE
JANUARY	21 <sup>st</sup>	1628	2.85	New Moon
	22 <sup>nd</sup>	1713	2.92	
	23 <sup>rd</sup>	1755	2.93	
	24 <sup>th</sup>	1837	2.86	
FEBRUARY	19 <sup>th</sup>	1621	2.87	
	20 <sup>th</sup>	1700	2.96	
	21 <sup>st</sup>	1738	2.96	
	22 <sup>nd</sup>	1814	2.87	
MARCH	20 <sup>th</sup>	1603	2.83	
	21 <sup>st</sup>	1640	2.89	
	22 <sup>nd</sup>	1714	2.86	
AUGUST	2 <sup>nd</sup>	0449	2.86	
	3 <sup>rd</sup>	0532	2.91	
	4 <sup>th</sup>	0615	2.87	
	30 <sup>th</sup>	0353	2.82	
	31 <sup>st</sup>	0433	2.94	
SEPTEMBER	1 <sup>st</sup>	0512	2.97	
	2 <sup>nd</sup>	0549	2.91	
	28 <sup>th</sup>	0332	2.84	
	29 <sup>th</sup>	0410	2.92	
		1631	2.84	
	30 <sup>th</sup>	0445	2.90	
1705		2.87		
OCTOBER	1 <sup>st</sup>	0520	2.80	
		1739	2.83	
	28 <sup>th</sup>	1605	2.86	
	29 <sup>th</sup>	1639	2.87	
	30 <sup>th</sup>	1713	2.82	

**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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