

3. Higher than normal tides tend to occur around December (Nov to Feb) and June (May to Aug) when the effect of the sun on tides is greatest.

Water levels (and hence tide heights) also tend to be raised between November and April due to the trade winds from the north-east.

5. Water levels (and hence tide heights) tend to be lower during periods of strong El Niño but tend to be higher during periods of La Niña. Hence if La Niña conditions are occurring around December to February (as in 2007/08 and 1999/00) more coastal flooding is likely.

 Coastal flooding on Kosrae is not limited to the dates indicated above. Particular weather conditions, e.g. a typhoon or storm conditions that create large waves or swell, can cause flooding and coastal damage at any time. Such weather conditions are generally only predictable a few days in advance.

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