

Applicant Risk Assessment Matrix						
Risk Category	Risk Description	Applicable to Development Application (tick)	500yr ARI Storm Surge			Treatment Options
			Consequence	Likelihood	Level of Risk	
Public Safety	Flooding from a storm surge event resulting in harm to public due to hindered emergency capacity, response and recovery		1	1	1	Ensure evacuation plans are as good as they can be Encourage as many developers to build above 500yr ARI as possible Suitable construction standards to withstand the force of 500yr ARI storm surge event Suitable controls on electricity supply to avoid electrification in 500yr ARI event
Public Safety	Flooding from a storm surge event resulting in harm to public due to lack of access / egress from residential lots		1	1	1	Ensure evacuation plans are as good as they can be Encourage as many developers to build above 500yr ARI as possible Suitable construction standards to withstand the force of 500yr ARI storm surge event Suitable controls on electricity supply to avoid electrification in 500yr ARI event
Private Property	Flooding from a storm surge event impacts residential property		1	1	1	Encourage as many developers to build above 500yr ARI as possible Suitable construction standards to withstand the force of 500yr ARI storm surge event
Private Property	Flooding from a storm surge and storm water event impacts commercial property including accommodation, retail, petrol station and industrial locations resulting in property damage and uncontrolled release of waste		1	1	1	Encourage as many developers to build above 500yr ARI as possible Suitable construction standards to withstand the force of 500yr ARI storm surge event
Private Property	The proposed development may impact on the modelled storm surge event impacting on Shire maintained landscaping and streetscaping adjacent to the development.		3	1	3	Consider consequences of losing landscaping to storm surge when planning landscaping in storm surge affected area
Public Infrastructure	Flooding from a storm surge event impacts road and transport infrastructure adjacent to the development site or proposed by the development.		4	1	4	Identify alternative emergency access arrangements to properties within 500yr ARI storm surge affected area Where roads have been damaged, formalise interim access arrangements as soon as possible Install protection measures where necessary to protect roads and other infrastructure at risk of removal from coastal processes
Public Infrastructure	Flooding from a storm surge event will impact the capability and/or the capacity of drainage infrastructure proposed by the development		4	1	4	Make sure drains are regularly inspected and cleaned Identify elements of drainage network that need to be improved Schedule upgrades on drainage infrastructure most critical to effective drainage network
Public Infrastructure	Flooding from a storm surge event impacts recycled effluent irrigation ponds and tanks		3	1	3	Tanks constructed inside 500yr ARI storm surge affected area should be built having regard for the possibility of such an event and consideration of mitigation required
Public Infrastructure	Flooding from a storm surge event impacts community emergency management infrastructure		5	1	5	Need to ensure there is sufficient capacity of available emergency management infrastructure and services to accommodate evacuated households
Environmental	Flooding could potentially result in contamination as a result of proposed development on site (i.e. industrial storage, effluent treatment)		1	1	1	Ensure identified environmental / contamination issues are addressed in development application and take into account and respond to risk from storm surge
Environmental	The proposed development may result in other potential environmental factors being exposed to the risk of storm surge (i.e. asbestos, acid sulfate soils, other).		1	1	1	Ensure identified environmental / contamination issues are addressed in development application and take into account and respond to risk from storm surge
Community	Flooding from a storm surge event impacts local registered heritage sites and other important heritage sites on the property		4	1	4	Be conscious of infrastructure within 500yr ARI storm surge affected area in planning development at local heritage sites Minimise financial losses as a consequence of 500yr ARI storm surge event
TOTAL ASSESSED RISK (Total Score)						
TOTAL ASSESSED RISK PER CATEGORY (being the highest rated risk in each of the relevant category)						
* Public Safety						
* Private Property						
* Public Infrastructure						
* Environmental						
* Community						
						Measures of financial consequences
				1 Insignificant		Less than \$10,000
				2 Minor		\$10,000 - \$100,000
				3 Moderate		\$100,000 - \$2,000,000
				4 Major		\$2,000,000 - \$5,000,000
				5 Catastrophic		More than \$5,000,000