

COASTAL RISK MANAGEMENT PLAN



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6. MONITORING AND REVIEW

REVIEW

1. ESTABLISH THE CONTEXT

1.1 Background Assessment

1.1.1 Levels of Risk Assessment Previously Undertaken

Levels of Risk Assessment	Comment
Location has been highlighted as at risk by simply looking at topographic maps	
Area has been highlighted by previous report	
Risk determined by site visit	
Calculations of projected Still water sea levels	
Assessment of extreme tide events	
Detailed storm surge and wind wave calculations	

1.2 The Asset

1.2.1 Asset Description

	Description
Name of asset:	
Asset life*	
Location	
Topography	
Geomorphology	

1.2.2 Notional Life Span and Agreed Time Horizon

The notional life span of the asset is <number of years> years.

The Agreed Time Horizon for assessment is to the year <insert year>.

1.2.3 Asset Services and Values

Table 1.2.3. Values of the Asset

Value	Specific Issues	Who benefits?	Importance
Economic			
Social/Cultural/ Historical			
Political			
Environmental			

1.2.4 Existing Controls

Table 1.2.4: Hazard and Controls

Hazard	Existing key control measures
Coastal flooding	
Coastal erosion	

1.3 CONTEXT

1.3.1 Hazards

The Hazards targeted by this Risk Management Plan are coastal flooding and erosion, and the way they are exacerbated by climate change and sea-level rise.

1.3.2 Stakeholders

Table 1.3.2: Relevant Stakeholders, their roles, motivations, and levels of engagement.

Stakeholder	Role	Motivation or Concern	Engagement

1.3.3 Other Key Elements

Table 1.3.3(a): Relevant Legislation

Statute	Level	Relevance

Table 1.3.3(b): Relevant Policies

Policy	Level	Relevance

1.3.4 Success Criteria

The successful management of this asset will require the following key objectives to be met: Refer to Section 2.4 of the Guidelines

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2. What is the Risk?

IDENTIFY

2.1 History

Table 2.1 Summary of relevant historical events

Date	Event	Description	Source

2.2 Future Vulnerability

3. What is the impact of not treating the risk?

ANALYSE

3.1 Consequence

Table 3.1 Consequences of not achieving Success Criteria

Success Criteria	Consequences (summary)	Consequence rating

3.2 Likelihood

Table 3.2 Likelihood of not achieving Success Criteria

Success Criteria	Current Risk Priority Level	Future Risk Priority Level

3.3 Risk priority levels

Table 3.3. Risk Prioritisation.

Success Criteria	Current Risk Priority Level	Future Risk Priority Level

4. Should the risk be treated?

EVALUATE

4.1 Summary of Evaluation Risk Prioritisation

Table 4.1 Summary of the Evaluation of Risk Prioritisation

Success Criteria	Risk level severity	Importance	Urgency	Timeframe for treatment

5. WHICH RISK TREATMENTS TO USE?

RISK TREATMENT

5.1 Risk Evaluation for Individual Assets identified as being at risk

Having completed the Template to this point, an understanding of what assets are most at risk is now possible. At this point those assets most at risk need to be assessed individually in terms of their level of risk. To assess each of the assets individually the following Table should be completed for each asset. The most appropriate mitigation option for reducing the risk to the each of the identified asset should then be taken and used to populate the remaining Tables in the Risk Treatment section of the Template.

Table 5.1 Risk Evaluation Table for Individual Assets identified as being At Risk

Identified Asset	
Location	
Asset Description	
Key Stakeholders	
Estimate of Asset Value	
Community Benefit	
Risk Analysis	
Event	
Consequence	
Likelihood	
Consequences	Public Safety – Local Growth/Economic – Community and Lifestyle – Environment – Public Administration –
Overall Consequence Rating	
Risk Rating	Calculate from likelihood and consequence assessment
Risk Management Strategies	
Lower Likelihood by:	a) b) c)
Lower Consequence by	
Recommended Treatment Options	

The Guidelines, in section 6.2 suggest additional criteria that could be used for Assessing Treatment Options for various assets. The relevance of them will depend on the asset in question

5.2 Treatment Options

Table 5.2. Risk Treatment Options

No.	Title	Description
1.		
2.		
3.		

Step 3 Combined Evaluations

5.3 Assessment and Selection of Treatment Options

Table 5.3(a): Assessment of potential Treatment options (Note: add additional columns if required)

Criteria	Option 1	Option 2	Option 3	Option 4

Table 5.3(b). Selected Options and reasons.

No.	Selected Option Title	Reason for selection

5.4 Treatment Actions

Table 5.4: Treatment Actions to be implemented

Action	Responsibility	Timeframe	Resources	Review

6. Monitoring and Review



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