

Policy Development and Multi-variate Assessment

Government of Jersey

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Quality information

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1. Introduction

AECOM has been commissioned to develop a Shoreline Management Plan (SMP) for Jersey by the Government of Jersey, to provide a long-term assessment of the risks associated with flooding and erosion from coastal sources. As part of this SMP, the potential policy options which define the management intent for the coastline for the next 100 years, up to 2120, have been assessed against defined criteria to guide the identification of the preferred policies for each section of the Island's coastline.

Four policy options have been assessed: No Active Intervention, Maintain the Defence Line, Adaptive Management and Advance the Line. Each of these policy options has been assessed for each of the 36 Coastal Management Units (CMUs) presented in Figure 1-1 to select a policy option for each which provides robust and sustainable management at a local level.

The policy options have been assessed against a set of 21 objectives within four themes of defence, community, environment and economy, which aligns with the themes of Future Jersey – the Island's first long term community vision. These objectives also support the objectives of the Common Strategic Policy and the Island Plan, thus helping to meet the 10 overarching objectives for the SMP set by the Government of Jersey.

As part of this option appraisal process, the policy options have been assessed within multi-variate assessment tables for each CMU, presented in Section 4; the policy options which have the greatest overall score against the criteria have been selected as the preferred policy options.

This appendix provides the multi-variate assessment tables used in the option appraisal process, and should be considered in the context of the main SMP.

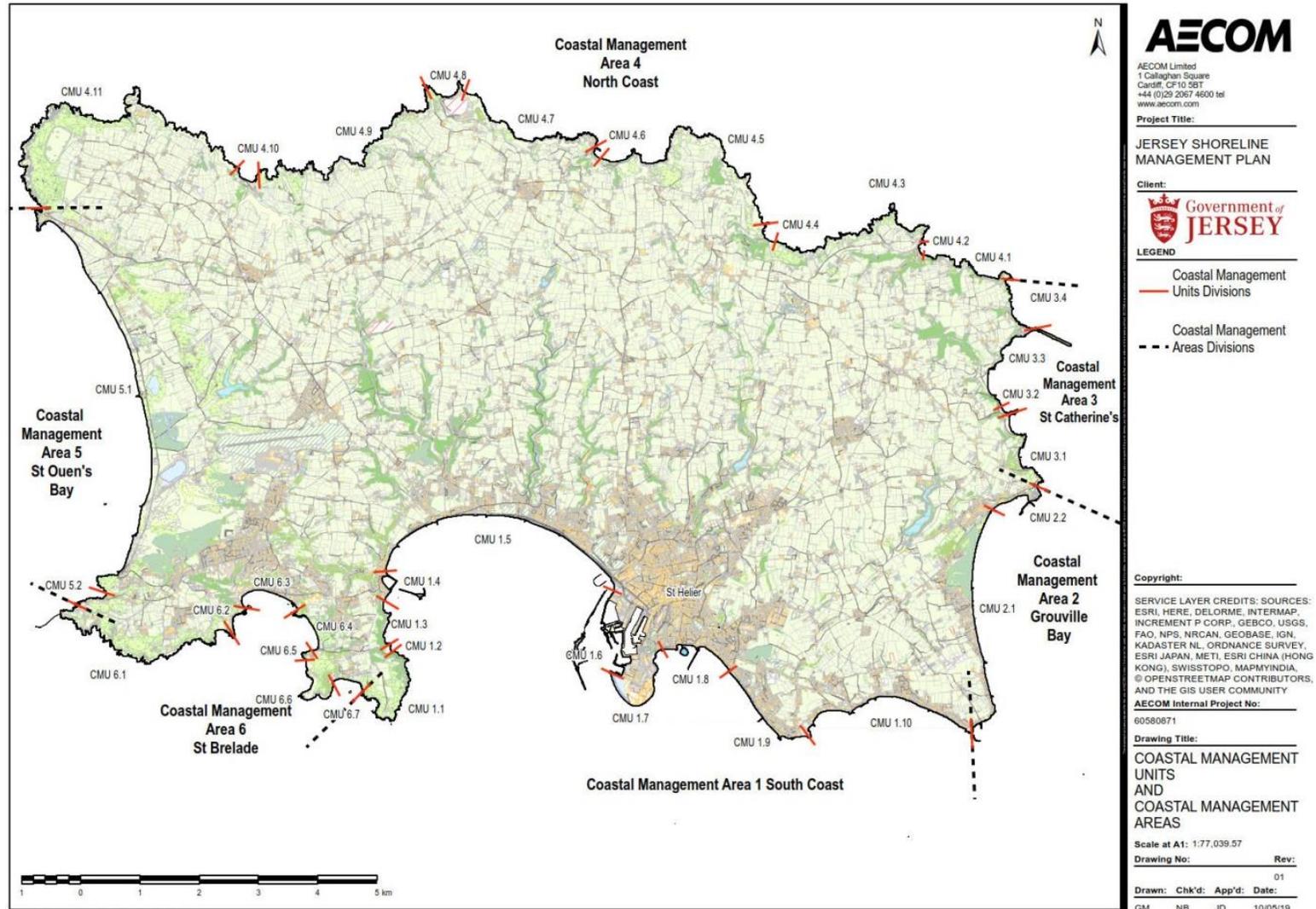


Figure 1-1: Jersey Coastline divided into Coastal Management Areas and Coastal Management Units

2. Policy Options

The policy development for the SMP has followed a consistent option appraisal method to determine the preferred policy option for each CMU. This considered the relative merits and appropriateness of existing and future defence policies and defence options for different sections of the island using an unweighted, consistent, and systematic scoring routine.

Four management policies have been considered for implementation in different areas of the Jersey coastline within the SMP. The physical structure of the coastline, the risk of flooding and coastal erosion, and land use of the island all influence which management policies can be implemented.

2.1 No Active Intervention

Under the 'No Active Intervention' policy, there will be no investment by the Government of Jersey in coastal defences or maintenance work. Unprotected shorelines will naturally evolve from their current state without intervention. This policy will generally be applied to natural areas of the coastline which are currently undefended, such as where sediments from cliffs are allowed to erode to feed beaches or to allow beach and dune systems to naturally adjust to changing conditions of climate change. The implementation and maintenance of private defences by third parties may be permitted within certain coastal management units according to the level of flooding and erosion risk, and subject to prevailing Jersey laws and regulations.

2.2 Maintain the Defence Line

Under the 'Maintain the Defence Line' policy, existing coastal defences are maintained. The level of flood protection may decrease over time as flood risk increases due to the changing coastal processes and impacts of climate change. This policy will generally be applied where the existing defences provide a reasonable standard of flood protection or prevent erosion.

2.3 Adaptive Management

Under the 'Adaptive Management' policy, coastal flood and erosion risk will be proactively managed. The policy will be delivered through various management schemes / initiatives depending on the level of risk and the circumstances. This could include improving the standard of flood protection for an existing sea defence, constructing new defences, raising awareness of local flood risk or recommending property level flood protection.

For areas of the coastline where flooding and coastal erosion is predicted to cause minimal economic damage to assets, but where there is still a residual risk to the community, there is an opportunity for a considered risk approach to management. For example, community awareness schemes rather than hard defences could be implemented as a form of adaptive management in the first instance. The risks of this measured approach would be considered carefully to avoid detriment to the community in the short term. This policy could be applied to areas of Jersey where there is sufficient risk of flooding or coastal erosion that cannot be prevented by maintaining the defences to the current standard of protection, and where it is economically unfavourable to construct new defences with a higher standard of protection. It may also be implemented in areas where there are currently no coastal defences, and where the risk of flooding and coastal erosion is predicted to cause damage to the community, environment or economy at some stage in the future.

2.4 Advance the Line

Under the 'Advance the Line' policy, new sea defences are built seaward of existing defences. This policy will only be implemented in areas where there is a significant risk of coastal flooding or erosion, or where it will deliver additional benefits for the community, environment and economy, such as creating a new amenity space. This policy is distinguished from 'Adaptive Management' as a standalone policy option to make the type of adaptation clear.

3. Option Appraisal Process

The scoring of each policy option is completed on a 3 point (0, 1, 2) basis, with 0 points indicating that the policy option would not support the objective and may be detrimental, and is given a 'red' classification. A 1 point score is equivalent to an 'amber' classification and 2 points indicates the policy option would have a positive impact on the objective, given a 'green' classification.

3.1 Government of Jersey Objectives

The criteria have been defined in line with the following objectives developed by the Government of Jersey:

1. To protect public health and safety; and to help reduce income inequality and social exclusion;
2. To support a pattern of development which promotes economic, social and environmental sustainability, whilst minimising vulnerability to the effects of climate change;
3. To protect and enable the maintenance and enhancement of a sustainable, vibrant and diverse economy;
4. To protect the Town of St. Helier, as the island's principal urban centre, enabling the enhancement of its environment as a place to live, work and visit;
5. To protect and enhance the quality, character, diversity and distinctiveness of the island's townscape, landscape, coastline and seascape;
6. To protect and enhance biodiversity, and to maintain and enhance the island's terrestrial and marine habitats and ecosystems;
7. To protect and enhance the island's heritage assets;
8. To support and enable access to the coast, for recreation, tourism and other economic activity, and enabling travel to, from, in and around Jersey; and
9. To protect the island's water and other natural resources, including surface and groundwater quality.

3.2 Thematic Objectives

The objectives have been incorporated into four core themes of defence, community, environment and economy:

1. The Defence objectives reflect the engineering of coastal defences, to assess the ability of the policy option to provide defence against flooding and coastal erosion, and feasibility of the policy option with regards to technical implementation, cost and maintenance.
2. The Community objectives reflect the value of the coastline to the community and stakeholders, in terms of services provided by the coastal infrastructure, to assess the ability of the policy option to maintain access to coastal services.
3. The Environment objectives reflect the importance of the natural environment of Jersey, to assess the impact of the policy options on natural environmental and heritage designations, as well as the landscape character of Jersey and the provision of natural resources.
4. The Economy objectives reflect the potential for improvements to the business environment of Jersey. They consider the potential of the policy options to provide opportunities for businesses to prosper and generate economic growth and support land allocation and residential and commercial development on the Island.

The objectives and assessment criteria are defined in Table 3-1. The scores for each objective are added together within each of the four core themes. Each core theme has an equal weighting to remove bias where there is an unequal number of objectives in each theme. The scores from each theme are added together, and the policy option with the highest overall score has been selected as the preferred policy option.

Table 3-1: Option Appraisal Assessment Criteria

Key Theme	Objective	Assessment Criteria
Defence	Erosion Risk	Red – Increases erosion risk or results in significant erosion risk, failing to protecting island’s coastline or minimise vulnerability to effects of climate change Amber – Partially reduces erosion risk or results in minor erosion risk Green – Potential to significantly reduce erosion risk or results in no erosion risk
	Residual Flood Risk / Failure	Red – Significant risk of failure or residual damage to property/landscape, resulting in island no better protected against effects of climate change Amber – Some residual failure/damage risk remains Green – No significant risk of failure or residual damage
	Relative cost	Red – Initial implementation of this option is likely to be high cost compared to other options considered Amber – Likely to be average cost compared to other options considered Green – Likely to be low cost compared to other options considered
	Maintenance	Red – This option will require a significant level of ongoing maintenance Amber – Some scheduled maintenance required Green – Maintenance free / minimal maintenance
	Technical Feasibility	Red – Option is technically very challenging or difficult to implement/construct Amber – Option presents some technical challenges to implement/construct Green – No significant technical challenges to implement/construct
Community	Community acceptance	Red – Potential for major objections or goes against feedback received from parishes, churches, community groups, the third sector, volunteers, and businesses. Amber – Likely to be support for and against or meets some feedback received but not all Green – Helps achieve majority community needs/addresses main concerns
	Stakeholder objectives/ consenting	Red – Potential for major objections from statutory consultees or unlikely to gain consent Amber – Likely to be support for and against or meets some feedback received but not all Green – Helps achieve majority stakeholder needs/addresses main concerns and likely to receive consent
	Social Responsibility	Red – Reduced protection to socially vulnerable groups Amber – No change in protection for socially vulnerable groups Green – Improved protection for socially vulnerable groups
	Coastal access	Red – Reduces access to the coast for recreation, tourism and other economic activity Amber – Retains existing access/ no impact on coastal access Green – Enables and improves access to the coast for recreation, tourism and other economic activity
	Travel infrastructure	Red – Potentially detrimental impact on transport infrastructure to, from, in and around Jersey Amber – Some identified transport constraint/changes must be made to the existing transport infrastructure Green – No adverse effects, or potentially beneficial effects on travel infrastructure in the area, including improvements to active travel routes (such as cycle network)
	Health and wellbeing impact	Red – Potential for significant impact on activities considered beneficial for health and wellbeing of the local community Amber – No significant impact on health and wellbeing of local community Green – Potential to beneficially impact health and wellbeing of local community

Key Theme	Objective	Assessment Criteria
Environment	Ecology and Geology Impacts	<p>Red – Potentially detrimental impact on biodiversity strategy, or protected sites on the island</p> <p>Amber – Maintains protection for flora and fauna and protected sites</p> <p>Green – Potential to protect and enhance flora and fauna identified in biodiversity strategy, and protected sites on the island</p>
	Heritage Impacts	<p>Red – Potentially detrimental effect on heritage sites, including buildings, structures and places and archaeology or coastal activities</p> <p>Amber – Potentially adverse effects on heritage sites , including buildings, structures and places and archaeology and coastal activities</p> <p>Green – Potentially beneficial to provision of culture and heritage on the island</p>
	Landscape Impact	<p>Red – Potentially detrimental on townscape, landscape, coastline, seascape and countryside character</p> <p>Amber – Identified minimal landscape constraint or no difference to townscape, landscape, coastline, seascape and countryside character</p> <p>Green – Potentially beneficial effects on townscape, landscape, coastline, seascape and countryside character</p>
	Coastal Processes Impacts	<p>Red – Potential for significant impacts to coastal processes baseline and the natural environment, affecting marine habitats and ecosystems</p> <p>Amber – No significant changes to coastal processes baseline or further impact on the natural environment</p> <p>Green – Potential to beneficially impact coastal processes and the natural environment</p>
	Water quality	<p>Red – Potential for significant magnitude impacts to water quality of coastal waters, surface water, groundwater and water supply</p> <p>Amber – No significant changes to water quality baseline</p> <p>Green – Potential to beneficially impact water quality</p>
	Natural Resources	<p>Red – Potential for significant impact on provision of natural resources on the Island</p> <p>Amber – No significant changes to provision of natural resources baseline</p> <p>Green – Potential to beneficially impact provision of natural resources</p>
	Carbon Emissions	<p>Red – Produces high volume of carbon emissions compared to other options considered</p> <p>Amber – Likely to produce average carbon emissions compared to other options considered</p> <p>Green – Produces lower volume of carbon emissions compared to other options considered, or encourages generation of renewable energy</p>
Economy	Added Value and opportunity	<p>Red – Little potential for attracting contributions/supporting other plans and programmes</p> <p>Amber – Could secure a contribution/ support other plans and programmes</p> <p>Green – High potential to secure contributions / support other plans and programmes.</p>
	Business environment	<p>Red – Little potential for broader outcomes and business opportunities in the urban environment, particularly in St. Helier</p> <p>Amber – Could facilitate broader outcomes and business opportunities in the urban environment, particularly in St. Helier</p> <p>Green – High potential to deliver broader outcomes and business opportunities in the urban environment, particularly in St. Helier.</p>
	Other Infrastructure	<p>Red – Potentially detrimental impact on utilities, agriculture or fishing infrastructure</p> <p>Amber – No adverse impact on other infrastructure</p> <p>Green – Potentially beneficial impact on other infrastructure</p>

4. Multi-variate Assessment Tables

The multi-variate appraisal has assessed the policy options against the 21 categories in the four themes detailed in Section 3. Each table provides a score for each criterion from 0 to 2, denoted by the colours red, amber and green, a score for each theme and an overall score for each policy option.

The scoring was undertaken by the project team, and was collaboratively reviewed and ratified by the Government of Jersey. This approach, alongside the scoring rules in Table 3-1, helped to ensure that the scoring was as objective and consistent as possible. The project team reviewed and utilised a wide range of relevant data to provide a detailed level of understanding of the coastline and the issues, constraints and opportunities, such as:

- SMP supporting data; the baseline process understanding (Appendix B) of the SMP was used to inform the assessment of the impacts of each policy option on flooding and coastal erosion risk to Jersey, and provide a baseline understanding of the coastal processes.
- Other supporting data and assessments; key environmental strategies and assessments previously undertaken by the Government of Jersey which provide a baseline understanding of a range of environmental receptors at the coastline.
- Island Plan, Future Jersey and Common Strategic Priorities; the objectives of these three key strategic planning frameworks were used to assess how each of the policy options could influence planning policies to support community, environment and economic objectives.
- Jersey Biodiversity Strategy, Natural Sites and Historic Environments database; the locations of ecological and geological SSIs and listed buildings and places, were used to assess the policy options against the criteria for ecology, geology, heritage and landscape.
- Visual site inspections; site walkovers were carried out to improve the project teams' understanding and appreciation of the coastline.

The multi-variate assessment tables are presented for each CMU in Table 4-1 to Table 4-36. The policy option with the greatest overall score has been selected as the preferred policy option, and is highlighted and emboldened in the tables.

The preferred policy options have then been adopted, and the detail of each expanded upon in the Main SMP for consultation.

CMU1.1: Noirmont Common		Defence					Community					Environment					Economy			Overall Score %							
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality		Natural Resources	Carbon Emissions	Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🟡	🔴	🟡	8.33%	66.37%
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	28.27%
	Advance the Line	🟢	🟢	🔴	🔴	🔴	10.00%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🔴	🔴	🔴	🟡	🟡	🔴	3.57%	🔴	🔴	🔴	0.00%	19.82%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🟡	🔴	🟡	8.33%	66.37%	
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	28.27%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🔴	🔴	🔴	🟡	🟡	🔴	3.57%	🔴	🔴	🔴	0.00%	22.32%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🟡	🔴	🟡	8.33%	66.37%	
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	28.27%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🔴	🔴	🔴	🟡	🟡	🔴	3.57%	🔴	🔴	🔴	0.00%	22.32%

Table 4-1: Multi-variate Option Assessment for CMU 1.1: Noirmont Common

CMU1.2: Belcroute Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🔴	🟡	🟡	🟢	🔴	8.33%	🟡	🟡	🟡	🟢	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	51.07%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟢	🟢	🟡	🟡	🟡	🟡	16.07%	🟡	🔴	🟡	8.33%	60.65%
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟢	🔴	🔴	🟡	🟡	🔴	8.93%	🔴	🔴	🟡	4.17%	31.85%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	10.00%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	27.56%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🔴	🟡	🟡	🟢	🔴	8.33%	🟡	🟡	🟡	🟢	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	51.07%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟢	🟢	🟡	🟡	🟡	🟡	16.07%	🟡	🔴	🟡	8.33%	60.65%
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟢	🔴	🔴	🟡	🟡	🔴	8.93%	🔴	🔴	🟡	4.17%	31.85%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	30.06%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🔴	🟡	🟡	🟢	🔴	8.33%	🟡	🟡	🟡	🟢	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	51.07%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟢	🟢	🟡	🟡	🟡	🟡	16.07%	🟡	🔴	🟡	8.33%	60.65%
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟢	🔴	🔴	🟡	🟡	🔴	8.93%	🔴	🔴	🟡	4.17%	31.85%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	30.06%

Table 4-2: Multi-variate Option Assessment for CMU 1.2: Belcroute Bay

CMU1.3: La House		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							18.75%								14.29%				8.33%	63.87%
	Adaptive Management						12.50%							6.25%								5.36%				4.17%	28.27%
	Advance the Line						10.00%							6.25%								3.57%				0.00%	19.82%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%							18.75%							14.29%				8.33%	63.87%	
	Adaptive Management						12.50%							6.25%								5.36%				4.17%	28.27%
	Advance the Line						12.50%							6.25%								3.57%				0.00%	22.32%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%							18.75%							14.29%				8.33%	63.87%	
	Adaptive Management						12.50%							6.25%								5.36%				4.17%	28.27%
	Advance the Line						12.50%							6.25%								3.57%				0.00%	22.32%

Table 4-3: Multi-variate Option Assessment for CMU 1.3: La House

CMU1.4: St Aubin's Harbour		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🔴	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🟡	🔴	2.08%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	32.80%
	Maintain the Defence Line	🟢	🟡	🟡	🟡	🟢	17.50%	🟡	🟡	🟡	🟡	🟢	🟡	14.58%	🟡	🟡	🟡	🟡	🟡	🟡	🟡	12.50%	🔴	🔴	🔴	0.00%	44.58%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟢	🟡	🟢	🟡	20.83%	🟡	🟢	🔴	🔴	🟢	🟡	🟡	12.50%	🟡	🟡	🟢	20.83%	69.17%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟢	🔴	🟡	🟡	8.33%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🟡	🟡	🔴	8.33%	36.31%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🔴	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🟡	🔴	2.08%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	32.80%
	Maintain the Defence Line	🟢	🟢	🟡	🟡	🟢	20.00%	🟢	🟢	🟢	🟡	🟡	🟡	18.75%	🟡	🟡	🔴	🟡	🟡	🟡	🟡	10.71%	🔴	🔴	🟡	4.17%	53.63%
	Adaptive Management	🟢	🟢	🔴	🟢	🔴	15.00%	🟡	🟡	🟢	🔴	🟢	🟡	14.58%	🟡	🟡	🟢	🔴	🟡	🔴	🔴	10.71%	🟢	🟢	🟢	25.00%	65.30%
	Advance the Line	🟢	🟢	🔴	🟢	🔴	15.00%	🟡	🟡	🟢	🔴	🟢	🟡	14.58%	🟡	🟡	🟢	🔴	🟡	🔴	🔴	10.71%	🟢	🟢	🟢	25.00%	65.30%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🔴	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🔴	🔴	0.00%	🟡	🟡	🔴	🟢	🔴	🟡	🟢	12.50%	🔴	🔴	🔴	0.00%	32.50%
	Maintain the Defence Line	🟢	🟢	🟡	🟡	🟢	20.00%	🟢	🟢	🟢	🟡	🟡	🟡	18.75%	🟡	🟡	🟡	🔴	🟡	🟡	🟡	10.71%	🔴	🔴	🟡	4.17%	53.63%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🔴	🟡	🟡	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🟡	🟡	🟡	12.50%	40.89%
	Advance the Line	🟢	🟢	🔴	🔴	🔴	10.00%	🔴	🔴	🟡	🔴	🟡	🔴	4.17%	🟡	🟡	🔴	🔴	🟢	🟡	🔴	8.93%	🟡	🟡	🟡	12.50%	35.60%

Table 4-4: Multi-variate Option Assessment for CMU 1.4: St Aubin's Harbour

CMU1.5: St Aubin's Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🔴	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🟡	🔴	2.08%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	32.80%
	Maintain the Defence Line	🟢	🟡	🟡	🟡	🟢	17.50%	🟡	🟡	🟡	🟡	🟢	🟡	14.58%	🟡	🟡	🟡	🟡	🟡	🟡	🟡	12.50%	🔴	🔴	🔴	0.00%	44.58%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟢	🟡	🟢	🟡	20.83%	🟡	🟢	🔴	🔴	🟢	🟡	🟡	12.50%	🟡	🟡	🟢	20.83%	69.17%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟢	🔴	🟡	🟡	8.33%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🟡	🟡	🔴	8.33%	36.31%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🔴	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🟡	🔴	2.08%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	32.80%
	Maintain the Defence Line	🟢	🟢	🟡	🟡	🟢	20.00%	🟢	🟢	🟢	🟡	🟡	🟡	18.75%	🟡	🟡	🔴	🟡	🟡	🟡	🟡	10.71%	🔴	🔴	🟡	4.17%	53.63%
	Adaptive Management	🟢	🟢	🔴	🟢	🔴	15.00%	🟡	🟡	🟢	🔴	🟢	🟡	14.58%	🟡	🟡	🟢	🔴	🟡	🔴	🔴	10.71%	🟢	🟢	🟢	25.00%	65.30%
	Advance the Line	🟢	🟢	🔴	🟢	🔴	15.00%	🟡	🟡	🟢	🔴	🟢	🟡	14.58%	🟡	🟡	🟢	🔴	🟡	🔴	🔴	10.71%	🟢	🟢	🟢	25.00%	65.30%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🔴	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🔴	🔴	0.00%	🟡	🟡	🔴	🟢	🔴	🟡	🟢	12.50%	🔴	🔴	🔴	0.00%	32.50%
	Maintain the Defence Line	🟢	🟢	🟡	🟡	🟢	20.00%	🟢	🟢	🟢	🟡	🟡	🟡	18.75%	🟡	🟡	🟡	🔴	🟡	🟡	🟡	10.71%	🔴	🔴	🟡	4.17%	53.63%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🔴	🟡	🟡	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🟡	🟡	🟡	12.50%	40.89%
	Advance the Line	🟢	🟢	🔴	🔴	🔴	10.00%	🔴	🔴	🟡	🔴	🟡	🔴	4.17%	🟡	🟡	🔴	🔴	🟢	🟡	🔴	8.93%	🟡	🟡	🟡	12.50%	35.60%

Table 4-5: Multi-variate Option Assessment for CMU 1.5: St Aubin's Bay

CMU1.6: St Helier		Defence					Community					Environment					Economy			Overall Score %							
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality		Natural Resources	Carbon Emissions	Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						20.00%							0.00%								12.50%				0.00%	32.50%
	Maintain the Defence Line						25.00%							14.58%								16.67%				4.17%	60.42%
	Adaptive Management						17.50%							10.42%								12.50%				12.50%	52.92%
	Advance the Line						12.50%							8.33%								5.36%				12.50%	38.69%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						20.00%						0.00%								12.50%				0.00%	32.50%	
	Maintain the Defence Line						22.50%						2.08%								8.93%				0.00%	33.51%	
	Adaptive Management						17.50%						14.58%								12.50%				20.83%	65.42%	
	Advance the Line						12.50%							8.33%								5.36%				20.83%	47.02%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%						6.25%								10.42%				0.00%	39.17%	
	Maintain the Defence Line						20.00%						14.58%								14.58%				20.83%	70.00%	
	Adaptive Management						15.00%							10.42%							12.50%				20.83%	58.75%	
	Advance the Line						12.50%							8.33%								5.36%				20.83%	47.02%

Table 4-6: Multi-variate Option Assessment for CMU 1.6: St Helier

CMU1.7: La Collette		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟡	🔴	🟡	🟡	🟡	🟡	10.42%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🟡	4.17%	53.87%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟡	🟡	16.67%	🟡	🟡	🟡	🟡	🟡	🟢	🟡	14.29%	🟡	🟡	🟡	12.50%	60.95%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟡	🟡	8.33%	🟡	🟡	🟡	🟡	🟡	🟢	🔴	12.50%	🔴	🟡	🟡	8.33%	44.17%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟡	🟡	8.33%	🔴	🟡	🔴	🔴	🟡	🟢	🔴	7.14%	🔴	🟡	🟡	8.33%	36.31%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟡	🔴	🟡	🟡	🟡	🟡	10.42%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🟡	4.17%	53.87%	
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟡	🟡	16.67%	🟡	🟡	🟡	🟡	🟡	🟢	🟡	14.29%	🟡	🟡	🟡	12.50%	60.95%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟡	🟡	8.33%	🟡	🟡	🟡	🟡	🟡	🟢	🔴	12.50%	🔴	🟡	🟡	8.33%	44.17%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟡	🟡	8.33%	🔴	🟡	🔴	🔴	🟡	🟢	🔴	7.14%	🔴	🟡	🟡	8.33%	36.31%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟡	🔴	🟡	🟡	🟡	🟡	10.42%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🟡	4.17%	53.87%	
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟡	🟡	16.67%	🟡	🟡	🟡	🟡	🟡	🟢	🟡	14.29%	🟡	🟡	🟡	12.50%	60.95%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟡	🟡	8.33%	🟡	🟡	🟡	🟡	🟡	🟢	🔴	12.50%	🔴	🟡	🟡	8.33%	44.17%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟡	🟡	8.33%	🔴	🟡	🔴	🔴	🟡	🟢	🔴	7.14%	🔴	🟡	🟡	8.33%	36.31%

Table 4-7: Multi-variate Option Assessment for CMU 1.7: La Collette

CMU1.8: Havre des Pas		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							2.08%									5.36%				0.00%	29.94%
	Maintain the Defence Line						17.50%							4.17%									12.50%				0.00%	34.17%
	Adaptive Management						15.00%							18.75%									14.29%				16.67%	64.70%
	Advance the Line						17.50%							10.42%									8.93%				4.17%	41.01%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						2.08%								8.93%				0.00%	33.51%		
	Maintain the Defence Line						20.00%						22.92%								14.29%				12.50%	69.70%		
	Adaptive Management						15.00%						14.58%								12.50%				16.67%	58.75%		
	Advance the Line						17.50%						12.50%								8.93%				4.17%	43.10%		
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%						2.08%								8.93%				0.00%	33.51%		
	Maintain the Defence Line						20.00%						22.92%								14.29%				12.50%	69.70%		
	Adaptive Management						15.00%						14.58%								12.50%				16.67%	58.75%		
	Advance the Line						17.50%						12.50%								8.93%				4.17%	43.10%		

Table 4-8: Multi-variate Option Assessment for CMU 1.8: Havre Des Pas

CMU1.9: La Greve D'Azette		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							0.00%									7.14%				0.00%	29.64%
	Maintain the Defence Line						17.50%							10.42%									10.71%				0.00%	38.63%
	Adaptive Management						15.00%							20.83%									14.29%				16.67%	66.79%
	Advance the Line						17.50%							8.33%								10.71%				4.17%	40.71%	
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						0.00%									7.14%				0.00%	29.64%	
	Maintain the Defence Line						17.50%							10.42%								10.71%				0.00%	38.63%	
	Adaptive Management						15.00%							20.83%								14.29%				16.67%	66.79%	
	Advance the Line						17.50%							8.33%								10.71%				4.17%	40.71%	
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%						0.00%								7.14%				0.00%	27.14%		
	Maintain the Defence Line						20.00%						20.83%								14.29%				8.33%	63.45%		
	Adaptive Management						15.00%						8.33%								8.93%				8.33%	40.60%		
	Advance the Line						17.50%							4.17%								5.36%				4.17%	31.19%	

Table 4-9: Multi-variate Option Assessment for CMU 1.9: La Greve D'Azette

CMU1.10: Le Hocq / Pontac		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🔴	🔴	0.00%	🟡	🟡	🔴	🟡	🟡	🟡	🔴	🟢	10.71%	🔴	🔴	🔴	0.00%	30.71%
	Maintain the Defence Line	🟡	🟡	🟡	🟡	🟢	15.00%	🟡	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🟡	🟡	🟡	🟡	🟡	🔴	🟡	10.71%	🔴	🔴	🔴	0.00%	38.21%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟢	🟡	🟢	🟡	20.83%	🟡	🟢	🟢	🔴	🟡	🟡	🟡	14.29%	🟡	🟢	🟡	16.67%	66.79%	
	Advance the Line	🟢	🟢	🔴	🟢	🟡	17.50%	🟡	🟡	🟢	🔴	🟢	🔴	12.50%	🟡	🟡	🟡	🔴	🟡	🟡	🔴	8.93%	🔴	🟡	🔴	4.17%	43.10%	
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🔴	0.00%	🟡	🟡	🔴	🟡	🟡	🟡	🔴	🟢	10.71%	🔴	🔴	🔴	0.00%	30.71%	
	Maintain the Defence Line	🟡	🟡	🟡	🟡	🟢	15.00%	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🟡	🟡	🟡	🟡	🟡	🔴	🟡	10.71%	🔴	🔴	🔴	0.00%	38.21%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟢	🟡	🟢	🟡	20.83%	🟡	🟢	🟢	🔴	🟡	🟡	14.29%	🟡	🟢	🟡	16.67%	66.79%		
	Advance the Line	🟢	🟢	🔴	🟢	🟡	17.50%	🟡	🟡	🟢	🔴	🟢	🔴	12.50%	🟡	🟡	🟡	🔴	🟡	🟡	🔴	8.93%	🔴	🟡	🔴	4.17%	43.10%	
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🔴	0.00%	🟡	🟡	🔴	🟡	🟡	🟡	🔴	🟢	10.71%	🔴	🔴	🔴	0.00%	30.71%	
	Maintain the Defence Line	🟡	🟡	🟡	🟡	🟢	15.00%	🟢	🟢	🟢	🟡	🟢	20.83%	🟡	🟢	🟢	🔴	🟡	🟡	14.29%	🟡	🟡	🟡	12.50%	62.62%			
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🟡	🔴	🔴	🟡	🟡	🟡	8.93%	🟡	🟡	🟡	12.50%	48.93%		
	Advance the Line	🟢	🟢	🔴	🟢	🟡	17.50%	🟡	🟡	🟢	🔴	🟡	🔴	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🟡	🔴	4.17%	39.23%	

Table 4-10: Multi-variate Option Assessment for CMU 1.10: Le Hocq / Pontac

CMU2.1: Royal Bay of Grouville		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🔴	🟡	2.08%	🔴	🟡	🔴	🟡	🔴	🔴	🔴	🟢	7.14%	🔴	🔴	🟡	4.17%	35.89%
	Maintain the Defence Line	🟢	🟡	🟡	🔴	🟢	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🟡	🟡	🟡	🔴	🟡	10.71%	🔴	🔴	🟡	4.17%	40.30%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟢	🟡	🟢	🔴	🟡	🟡	🟡	14.29%	🟡	🟢	🟡	16.67%	64.70%	
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟢	🔴	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🟡	🟡	🟡	12.50%	43.27%	
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🟡	2.08%	🔴	🟡	🔴	🟡	🔴	🔴	🔴	🟢	7.14%	🔴	🔴	🟡	4.17%	35.89%	
	Maintain the Defence Line	🟢	🟡	🟡	🔴	🟢	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🟡	🟡	🟡	🔴	🟡	10.71%	🔴	🔴	🟡	4.17%	40.30%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟢	🟡	🟢	🔴	🟡	🟡	14.29%	🟡	🟢	🟡	16.67%	64.70%		
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟢	🔴	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🟡	🟡	🟡	12.50%	43.27%	
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🟡	2.08%	🔴	🟡	🔴	🟡	🔴	🔴	🔴	🟢	7.14%	🔴	🔴	🟡	4.17%	35.89%	
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟡	🟡	🔴	🟡	10.71%	🟡	🟢	🟡	16.67%	63.63%		
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟡	🟢	🔴	12.50%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	38.81%	
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟢	🔴	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%	

Table 4-11: Multi-variate Option Assessment for CMU 2.1: Royal Bay of Grouville

CMU2.2: Gorey Harbour		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🟢	🔴	🔴	🔴	🔴	4.17%	🟡	🟡	🔴	🟢	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	40.95%
	Maintain the Defence Line	🟡	🟢	🟡	🔴	🟢	15.00%	🟢	🟢	🟡	🟢	🟢	22.92%	🟡	🟡	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🔴	🟡	8.33%	58.75%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟡	🔴	8.33%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🔴	0.00%	30.48%
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟡	🔴	8.33%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🔴	0.00%	30.48%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🟢	🔴	🔴	🔴	4.17%	🟡	🟡	🔴	🟡	🟡	🟡	🟢	12.50%	🔴	🔴	🔴	0.00%	36.67%	
	Maintain the Defence Line	🟡	🟡	🟡	🔴	🟢	12.50%	🟡	🟡	🟡	🔴	🟡	🔴	8.33%	🟡	🟡	🟡	🟡	🟡	🟡	12.50%	🔴	🔴	🔴	0.00%	33.33%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟡	🟢	🟢	22.92%	🟡	🟡	🔴	🔴	🟡	🟡	8.93%	🟡	🔴	🟡	8.33%	55.18%		
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟢	🟡	14.58%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🔴	0.00%	36.73%	
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🟢	🔴	🔴	🔴	4.17%	🟡	🟡	🔴	🟢	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	40.95%	
	Maintain the Defence Line	🟡	🟢	🟡	🔴	🟢	15.00%	🟢	🟢	🟡	🟢	🟢	22.92%	🟡	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🔴	🟡	8.33%	58.75%		
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟡	🔴	8.33%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🔴	0.00%	30.48%
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🔴	🟡	🔴	8.33%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🔴	0.00%	30.48%

Table 4-12: Multi-variate Option Assessment for CMU 2.2: Gorey Harbour

CMU3.1: La Route de la Cote		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						20.00%							0.00%									7.14%				0.00%	27.14%
	Maintain the Defence Line						15.00%							14.58%									12.50%				12.50%	54.58%
	Adaptive Management						15.00%							8.33%									8.93%				8.33%	40.60%
	Advance the Line						15.00%							8.33%									3.57%				0.00%	26.90%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						20.00%						0.00%									12.50%				0.00%	32.50%	
	Maintain the Defence Line						15.00%							14.58%									12.50%				12.50%	54.58%
	Adaptive Management						15.00%							8.33%									8.93%				8.33%	40.60%
	Advance the Line						15.00%							8.33%									3.57%				0.00%	26.90%
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%						0.00%									12.50%				0.00%	32.50%	
	Maintain the Defence Line						15.00%							14.58%									12.50%				12.50%	54.58%
	Adaptive Management						15.00%							8.33%									8.93%				8.33%	40.60%
	Advance the Line						15.00%							8.33%									3.57%				0.00%	26.90%

Table 4-13: Multi-variate Option Assessment for CMU 3.1: La Route de la Cote

CMU3.2: Archirondel Tower		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							0.00%								14.29%				0.00%	36.79%
	Maintain the Defence Line						15.00%							12.50%								16.07%				0.00%	43.57%
	Adaptive Management						15.00%							14.58%								10.71%				12.50%	52.80%
	Advance the Line						17.50%							10.42%								5.36%				8.33%	41.61%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						20.00%						0.00%								14.29%				0.00%	34.29%	
	Maintain the Defence Line						17.50%						16.67%								17.86%				8.33%	60.36%	
	Adaptive Management						15.00%						10.42%								8.93%				4.17%	38.51%	
	Advance the Line						17.50%						8.33%								5.36%				4.17%	35.36%	
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%						0.00%								14.29%				0.00%	34.29%	
	Maintain the Defence Line						17.50%						16.67%								17.86%				8.33%	60.36%	
	Adaptive Management						15.00%						10.42%								8.93%				4.17%	38.51%	
	Advance the Line						15.00%						8.33%								5.36%				4.17%	32.86%	

Table 4-14: Multi-variate Option Assessment for CMU 3.2: Archirondel Tower

CMU3.3: St Catherine's Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							0.00%								12.50%				0.00%	35.00%
	Maintain the Defence Line						17.50%							12.50%								16.07%				4.17%	50.24%
	Adaptive Management						15.00%							14.58%								8.93%				8.33%	46.85%
	Advance the Line						17.50%							6.25%								5.36%				0.00%	29.11%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						20.00%						0.00%								12.50%				0.00%	32.50%	
	Maintain the Defence Line						17.50%						12.50%								16.07%				4.17%	50.24%	
	Adaptive Management						15.00%							14.58%								8.93%				8.33%	46.85%
	Advance the Line						17.50%							6.25%								5.36%				0.00%	29.11%
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%						0.00%								12.50%				0.00%	32.50%	
	Maintain the Defence Line						17.50%						12.50%								16.07%				4.17%	50.24%	
	Adaptive Management						15.00%							14.58%								8.93%				8.33%	46.85%
	Advance the Line						17.50%							6.25%								5.36%				0.00%	29.11%

Table 4-15: Multi-variate Option Assessment for CMU 3.3: St Catherine's Bay

CMU3.4: La Coupe		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							0.00%								12.50%				4.17%	39.17%
	Maintain the Defence Line						15.00%							12.50%								16.07%				8.33%	51.90%
	Adaptive Management						15.00%							14.58%								8.93%				8.33%	46.85%
	Advance the Line						17.50%							6.25%								5.36%				4.17%	33.27%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						0.00%								12.50%				4.17%	39.17%	
	Maintain the Defence Line						15.00%						12.50%								16.07%				8.33%	51.90%	
	Adaptive Management						15.00%							14.58%							8.93%				8.33%	46.85%	
	Advance the Line						17.50%							6.25%							5.36%				4.17%	33.27%	
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%						0.00%								12.50%				4.17%	39.17%	
	Maintain the Defence Line						15.00%						12.50%								16.07%				8.33%	51.90%	
	Adaptive Management						15.00%							14.58%							8.93%				8.33%	46.85%	
	Advance the Line						17.50%							6.25%							5.36%				4.17%	33.27%	

Table 4-16: Multi-variate Option Assessment for CMU 3.4 La Coupe

CMU4.1: La Coupe to Rozel Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	36.73%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	34.23%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	36.73%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	34.23%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	36.73%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🟡	🟡	🔴	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	34.23%

Table 4-17: Multi-variate Option Assessment for CMU 4.1 La Coupe to Rozel Bay

CMU4.2: Rozel Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🟡	🟡	4.17%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	40.95%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	🟢	22.92%	🟡	🟡	🟢	🟡	🟡	🟡	🟡	14.29%	🟡	🔴	🟢	12.50%	67.20%
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🟡	🟡	🟡	🟢	🟢	🟢	18.75%	🔴	🟡	🟢	🔴	🟡	🟡	🔴	8.93%	🟡	🔴	🟢	12.50%	52.68%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟢	12.50%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🟡	🔴	4.17%	34.52%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🟡	🟡	4.17%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	38.45%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	🟢	22.92%	🟡	🟡	🟢	🟡	🟡	🟡	🟡	14.29%	🟡	🔴	🟢	12.50%	67.20%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟢	🟢	🟢	18.75%	🔴	🟡	🟢	🔴	🟡	🟡	🔴	8.93%	🟡	🟡	🟢	16.67%	59.35%
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟢	12.50%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🟡	🟡	🔴	8.33%	41.19%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🔴	🔴	🟡	🟡	4.17%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	38.45%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	🟢	22.92%	🟡	🟡	🟢	🟡	🟡	🟡	🟡	14.29%	🟡	🔴	🟢	12.50%	67.20%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟢	🟢	🟢	18.75%	🔴	🟡	🟢	🔴	🟡	🟡	🔴	8.93%	🟡	🟡	🟢	16.67%	59.35%
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟢	12.50%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🟡	🟡	🔴	8.33%	41.19%

Table 4-18: Multi-variate Option Assessment for CMU 4.2: Rozel Bay

CMU4.3: Le Catel		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%

Table 4-19: Multi-variate Option Assessment for CMU 4.3: Le Catel

CMU4.4: Bouley Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							4.17%								14.29%				0.00%	40.95%
	Maintain the Defence Line						17.50%							22.92%								16.07%				8.33%	64.82%
	Adaptive Management						12.50%							18.75%								10.71%				8.33%	50.30%
	Advance the Line						12.50%							12.50%								5.36%				4.17%	34.52%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						20.00%							4.17%								14.29%				0.00%	38.45%
	Maintain the Defence Line						17.50%							22.92%								16.07%				8.33%	64.82%
	Adaptive Management						15.00%							18.75%								10.71%				12.50%	56.96%
	Advance the Line						15.00%							12.50%								5.36%				8.33%	41.19%
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%							4.17%								14.29%				0.00%	38.45%
	Maintain the Defence Line						17.50%							22.92%								16.07%				8.33%	64.82%
	Adaptive Management						15.00%							18.75%								10.71%				12.50%	56.96%
	Advance the Line						15.00%							12.50%								5.36%				8.33%	41.19%

Table 4-20: Multi-variate Option Assessment for CMU 4.4: Bouley Bay

CMU4.5: Egypt		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%

Table 4-21: Multi-variate Option Assessment for CMU 4.5: Egypt

CMU4.6: Bonne Nuit		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							4.17%								14.29%				0.00%	40.95%
	Maintain the Defence Line						17.50%							22.92%								14.29%				8.33%	63.04%
	Adaptive Management						12.50%							18.75%								8.93%				8.33%	48.51%
	Advance the Line						12.50%							12.50%								5.36%				4.17%	34.52%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%							4.17%								14.29%				0.00%	40.95%
	Maintain the Defence Line						17.50%							22.92%								14.29%				8.33%	63.04%
	Adaptive Management						12.50%							18.75%								8.93%				8.33%	48.51%
	Advance the Line						12.50%							12.50%								5.36%				4.17%	34.52%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%							4.17%								14.29%				0.00%	40.95%
	Maintain the Defence Line						17.50%							22.92%								14.29%				8.33%	63.04%
	Adaptive Management						12.50%							18.75%								8.93%				8.33%	48.51%
	Advance the Line						12.50%							12.50%								5.36%				4.17%	34.52%

Table 4-22: Multi-variate Option Assessment for CMU 4.6: Bonne Nuit

CMU4.7: La Perruque		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%

Table 4-23: Multi-variate Option Assessment for CMU 4.7: La Perruque

CMU4.8: Ronez Quarry		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟡	🟡	🟡	🟡	🟢	🟡	14.58%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🟡	🔴	🟡	8.33%	62.20%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🟡	🟡	🟡	🟢	🟡	12.50%	🔴	🟡	🟡	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	38.81%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🟡	🟡	🟡	🟢	🟡	12.50%	🔴	🟡	🟡	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	36.31%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟡	🟡	🟡	🟡	🟢	🟡	14.58%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🟡	🔴	🟡	8.33%	62.20%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🟢	🟡	🟡	🟢	🟡	14.58%	🔴	🟡	🟡	🔴	🟡	🟢	🔴	8.93%	🟡	🟡	🟡	12.50%	51.01%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🟢	🟡	🟢	🟡	🟡	16.67%	🔴	🟡	🟡	🔴	🟡	🟢	🔴	8.93%	🟡	🟡	🟡	12.50%	50.60%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟡	🟡	🟡	🟡	🟢	🟡	14.58%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🟡	🔴	🟡	8.33%	62.20%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🟢	🟡	🟡	🟢	🟡	14.58%	🔴	🟡	🟡	🔴	🟡	🟢	🔴	8.93%	🟡	🟡	🟡	12.50%	51.01%
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🟢	🟡	🟢	🟡	🟡	16.67%	🔴	🟡	🟡	🔴	🟡	🟢	🔴	8.93%	🟡	🟡	🟡	12.50%	53.10%

Table 4-24: Multi-variate Option Assessment for CMU 4.8: Ronez Quarry

CMU4.9: Crabbé		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%

Table 4-25: Multi-variate Option Assessment for CMU 4.9: Crabbé

CMU4.10: Greve de Lecq		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🟡	🟡	4.17%	🟡	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	40.95%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	🟢	22.92%	🟡	🟡	🟢	🟡	🟡	🟡	🟡	14.29%	🟡	🔴	🟡	8.33%	63.04%
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🟡	🟡	🟡	🟢	🟢	🟢	18.75%	🔴	🟡	🟢	🔴	🟡	🟡	🔴	8.93%	🟡	🔴	🟡	8.33%	48.51%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟢	12.50%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🔴	0.00%	30.36%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🟡	🟡	4.17%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	40.95%	
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	🟢	22.92%	🟡	🟡	🟢	🟡	🟡	🟡	14.29%	🟡	🔴	🟡	8.33%	63.04%	
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🟡	🟡	🟡	🟢	🟢	🟢	18.75%	🔴	🟡	🟢	🔴	🟡	🟡	🔴	8.93%	🟡	🔴	🟡	8.33%	48.51%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟢	12.50%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🔴	0.00%	30.36%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟡	🟢	🟢	🟢	22.50%	🔴	🔴	🔴	🔴	🟡	🟡	4.17%	🟡	🟡	🟡	🟡	🟡	🟢	14.29%	🔴	🔴	🔴	0.00%	40.95%	
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	🟢	22.92%	🟡	🟡	🟢	🟡	🟡	🟡	14.29%	🟡	🔴	🟡	8.33%	63.04%	
	Adaptive Management	🟢	🟢	🔴	🟡	🔴	12.50%	🟡	🟡	🟡	🟢	🟢	🟢	18.75%	🔴	🟡	🟢	🔴	🟡	🟡	🔴	8.93%	🟡	🔴	🟡	8.33%	48.51%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟢	12.50%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🔴	0.00%	30.36%

Table 4-26: Multi-variate Option Assessment for CMU 4.10: Greve de Lecq

CMU4.11: Plemont		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟢	🟢	🟢	🟢	🟢	25.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟡	🟢	🟡	🟡	🟡	🟢	16.07%	🔴	🔴	🟡	4.17%	63.99%
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	34.94%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🟡	🟢	🟡	10.42%	🔴	🟡	🔴	🔴	🟡	🟡	🔴	5.36%	🔴	🔴	🟡	4.17%	32.44%

Table 4-27: Multi-variate Option Assessment for CMU 4.11: Plemont

CMU5.1: St Ouen's Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							6.25%								10.71%				4.17%	43.63%
	Maintain the Defence Line						17.50%						22.92%									16.07%				16.67%	73.15%
	Adaptive Management						12.50%						16.67%								7.14%				8.33%	44.64%	
	Advance the Line						12.50%						12.50%								3.57%				4.17%	32.74%	
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						6.25%								10.71%				4.17%	43.63%	
	Maintain the Defence Line						17.50%						22.92%								16.07%				16.67%	73.15%	
	Adaptive Management						12.50%						16.67%							7.14%				8.33%	44.64%		
	Advance the Line						12.50%						12.50%								3.57%				4.17%	32.74%	
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%						6.25%								10.71%				4.17%	41.13%	
	Maintain the Defence Line						17.50%						22.92%								16.07%				16.67%	73.15%	
	Adaptive Management						12.50%						16.67%							7.14%				8.33%	44.64%		
	Advance the Line						12.50%						12.50%								3.57%				4.17%	32.74%	

Table 4-28: Multi-variate Option Assessment for CMU 5.1: St Ouen's Bay

CMU5.2: Petit Port		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							6.25%								10.71%				4.17%	43.63%
	Maintain the Defence Line						17.50%						22.92%									16.07%				4.17%	60.65%
	Adaptive Management						15.00%						16.67%								7.14%				4.17%	42.98%	
	Advance the Line						12.50%						12.50%								3.57%				0.00%	28.57%	
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						6.25%								10.71%				4.17%	43.63%	
	Maintain the Defence Line						17.50%						22.92%								16.07%				4.17%	60.65%	
	Adaptive Management						15.00%						16.67%								7.14%				4.17%	42.98%	
	Advance the Line						12.50%						12.50%								3.57%				0.00%	28.57%	
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%						6.25%								10.71%				4.17%	43.63%	
	Maintain the Defence Line						17.50%						22.92%								16.07%				4.17%	60.65%	
	Adaptive Management						15.00%						16.67%								7.14%				4.17%	42.98%	
	Advance the Line						12.50%						12.50%								3.57%				0.00%	28.57%	

Table 4-29: Multi-variate Option Assessment for CMU 5.2: Petit Port

CMU6.1: Gorselands		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							14.58%									16.07%				4.17%	57.32%
	Adaptive Management						17.50%							10.42%									7.14%				4.17%	39.23%
	Advance the Line						12.50%							8.33%									3.57%				4.17%	28.57%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%							14.58%									16.07%				4.17%	57.32%
	Adaptive Management						17.50%							10.42%									7.14%				4.17%	39.23%
	Advance the Line						12.50%							8.33%									3.57%				4.17%	28.57%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%							14.58%									16.07%				4.17%	57.32%
	Adaptive Management						17.50%							10.42%									7.14%				4.17%	39.23%
	Advance the Line						12.50%							8.33%									3.57%				4.17%	28.57%

Table 4-30: Multi-variate Option Assessment for CMU 6.1: Gorselands

CMU6.2: Les Creux		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							10.42%									12.50%				4.17%	49.58%
	Adaptive Management						17.50%							10.42%									7.14%				4.17%	39.23%
	Advance the Line						12.50%							6.25%									5.36%				8.33%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%							10.42%									12.50%				4.17%	49.58%
	Adaptive Management						17.50%							10.42%									7.14%				4.17%	39.23%
	Advance the Line						12.50%							6.25%									5.36%				8.33%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%							10.42%									12.50%				4.17%	49.58%
	Adaptive Management						17.50%							10.42%									7.14%				4.17%	39.23%
	Advance the Line						12.50%							6.25%									5.36%				8.33%	32.44%

Table 4-31: Multi-variate Option Assessment for CMU 6.2: Les Creux

CMU6.3: St Brelade's Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🟡	🔴	🟡	🔴	4.17%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	34.88%
	Maintain the Defence Line	🟢	🟡	🟡	🔴	🟢	15.00%	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🟡	🟡	🟡	🔴	🟡	🟡	10.71%	🔴	🔴	🔴	0.00%	38.21%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟢	🟢	🔴	🟡	🟡	14.29%	🟢	🟡	🟡	16.67%	64.70%	
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🔴	🟡	🟡	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	7.14%	🔴	🟡	🟡	8.33%	36.73%	
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🟡	🔴	🟡	4.17%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	34.88%	
	Maintain the Defence Line	🟢	🟡	🟡	🔴	🟢	15.00%	🟡	🟡	🟡	🟡	🟡	12.50%	🟡	🟡	🟡	🟡	🔴	🟡	🟡	10.71%	🔴	🔴	🔴	0.00%	38.21%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟢	🟢	🔴	🟡	🟡	14.29%	🟢	🟡	🟡	16.67%	64.70%	
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🔴	🟡	🟡	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	7.14%	🔴	🟡	🟡	8.33%	36.73%	
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟡	🟡	🟢	🟢	🟢	20.00%	🔴	🔴	🟡	🔴	🟡	4.17%	🟡	🟡	🔴	🟡	🔴	🟡	🟢	10.71%	🔴	🔴	🔴	0.00%	34.88%	
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟡	🟢	🟡	18.75%	🟡	🟢	🟢	🔴	🟡	🟡	16.07%	🟢	🟡	🟡	16.67%	68.99%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🟡	🟡	🟡	🔴	🟡	🟡	8.93%	🔴	🔴	🔴	0.00%	30.18%	
	Advance the Line	🟢	🟢	🔴	🟡	🟡	15.00%	🔴	🔴	🟡	🔴	🟡	🟡	6.25%	🟡	🟡	🔴	🔴	🟡	🟡	7.14%	🔴	🔴	🟡	4.17%	32.56%	

Table 4-32: Multi-variate Option Assessment for CMU 6.3: St Brelade's Bay

CMU6.4: Ouaisne Bay		Defence					Community						Environment						Economy			Overall Score %					
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %
Epoch 1 Present Day (2020-2040)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🔴	🟡	🔴	🟢	🟡	8.33%	🟡	🔴	🟡	🟡	🟡	🟡	🟢	12.50%	🔴	🔴	🟡	4.17%	47.50%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	22.92%	🟡	🟢	🟢	🟡	🟡	🟡	🟡	16.07%	🟡	🔴	🟡	8.33%	64.82%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟡	🟢	🟢	16.67%	🔴	🟡	🟡	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	42.98%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🔴	🔴	🔴	🟡	🟡	🔴	3.57%	🔴	🔴	🟡	4.17%	26.49%
Epoch 2 Medium Term (2040-2070)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🔴	🟡	🔴	🟢	🟡	8.33%	🟡	🔴	🟡	🟡	🟡	🟡	🟢	12.50%	🔴	🔴	🟡	4.17%	47.50%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	22.92%	🟡	🟢	🟢	🟡	🟡	🟡	🟡	16.07%	🟡	🔴	🟡	8.33%	64.82%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟡	🟢	🟢	16.67%	🔴	🟡	🟡	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	42.98%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🔴	🔴	🔴	🟡	🟡	🔴	3.57%	🔴	🔴	🟡	4.17%	26.49%
Epoch 3 Long Term (2070-2120)	No Active Intervention	🟡	🟢	🟢	🟢	🟢	22.50%	🔴	🔴	🟡	🔴	🟢	🟡	8.33%	🟡	🔴	🟡	🟡	🟡	🟡	🟢	12.50%	🔴	🔴	🟡	4.17%	47.50%
	Maintain the Defence Line	🟢	🟢	🟡	🔴	🟢	17.50%	🟢	🟢	🟡	🟢	🟢	22.92%	🟡	🟢	🟢	🟡	🟡	🟡	🟡	16.07%	🟡	🔴	🟡	8.33%	64.82%	
	Adaptive Management	🟢	🟢	🔴	🟡	🟡	15.00%	🟡	🟡	🟡	🟡	🟢	🟢	16.67%	🔴	🟡	🟡	🔴	🟡	🟡	🔴	7.14%	🔴	🔴	🟡	4.17%	42.98%
	Advance the Line	🟢	🟢	🔴	🟡	🔴	12.50%	🔴	🔴	🟡	🔴	🟢	🔴	6.25%	🔴	🔴	🔴	🔴	🟡	🟡	🔴	3.57%	🔴	🔴	🟡	4.17%	26.49%

Table 4-33: Multi-variate Option Assessment for CMU 6.4: Ouaisne Bay

CMU6.5: La Cotte de St Brelade		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							14.58%									14.29%				4.17%	55.54%
	Adaptive Management						17.50%							8.33%									5.36%				8.33%	39.52%
	Advance the Line						12.50%							8.33%									3.57%				4.17%	28.57%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						14.58%										14.29%				4.17%	55.54%
	Adaptive Management						17.50%							8.33%									5.36%				8.33%	39.52%
	Advance the Line						12.50%							8.33%									3.57%				4.17%	28.57%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%						14.58%										14.29%				4.17%	55.54%
	Adaptive Management						17.50%							8.33%									5.36%				8.33%	39.52%
	Advance the Line						12.50%							8.33%									3.57%				4.17%	28.57%

Table 4-34: Multi-variate Option Assessment for CMU 6.5: La Cotte de St Brelade

CMU6.6: Portelet Common		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							14.58%									16.07%				4.17%	57.32%
	Adaptive Management						15.00%							10.42%									7.14%				4.17%	36.73%
	Advance the Line						12.50%							6.25%									5.36%				4.17%	28.27%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						22.50%						14.58%										16.07%				4.17%	57.32%
	Adaptive Management						15.00%							10.42%									7.14%				4.17%	36.73%
	Advance the Line						12.50%							6.25%									5.36%				4.17%	28.27%
Epoch 3 Long Term (2070-2120)	No Active Intervention						22.50%						14.58%										16.07%				4.17%	57.32%
	Adaptive Management						15.00%							10.42%									7.14%				4.17%	36.73%
	Advance the Line						12.50%							6.25%									5.36%				4.17%	28.27%

Table 4-35: Multi-variate Option Assessment for CMU 6.6: Portelet Common

CMU6.7: Portelet Beach		Defence					Community						Environment						Economy			Overall Score %						
Epoch	Policy Option	Erosion Risk	Flood Risk	Relative Cost	Maintenance	Technical Feasibility	Defence Score %	Community Acceptance	Stakeholder Objectives	Social Responsibility	Coastal Access	Travel Infrastructure	Health and Wellbeing	Community Score %	Ecology and Geology	Heritage	Landscape	Coastal Processes	Water Quality	Natural Resources	Carbon Emissions		Environment Score %	Opportunity	Business Environment	Other Infrastructure	Economy Score %	
Epoch 1 Present Day (2020-2040)	No Active Intervention						22.50%							14.58%									16.07%				4.17%	57.32%
	Adaptive Management						17.50%							14.58%									7.14%				4.17%	43.39%
	Advance the Line						12.50%							6.25%									5.36%				8.33%	32.44%
Epoch 2 Medium Term (2040-2070)	No Active Intervention						20.00%							12.50%									16.07%				4.17%	52.74%
	Adaptive Management						17.50%							14.58%									7.14%				4.17%	43.39%
	Advance the Line						12.50%							6.25%									5.36%				8.33%	32.44%
Epoch 3 Long Term (2070-2120)	No Active Intervention						20.00%							12.50%									16.07%				4.17%	52.74%
	Adaptive Management						17.50%							14.58%									7.14%				4.17%	43.39%
	Advance the Line						12.50%							6.25%									5.36%				8.33%	32.44%

Table 4-36: Multi-variate Option Assessment for CMU 6.7: Portelet Beach

