PAA MCDA CRITERIA – LANDSCAPE

Management Unit	Pathway	Pathway Description			Landscape values	
		Short term	Medium term	Long term	Score	Notes
Management Unit 11A: Paekākāriki (Erosion Unit)	1	Status Quo[1] and Community Education and Emergency Management[4]	Sea wall[13] (Protect – Hard Engineering)	Re-establish the line with a setback protection structure[10] (Retreat & Protect)		• In the short term, maintaining the existing seawall will continue hard engineering within this modified coastal context. • Establishing and reinforcing hard engineering will continue within the context of existing modification. • In the longer terms, setting protection structure back offers more limited ongoing opportunity to restore natural character in context of increasing modification.
	2	Status Quo[1] and Community Education and Emergency Management[4]	Sea wall[13] (Protect – Hard Engineering)	Enhance Sea wall[2] (Protect – Hard Engineering)		• In the short term, maintaining the existing seawall will continue hard engineering within this modified coastal context. • Establishing and reinforcing hard engineering will continue within the context of existing modification. • Holding the line of the existing shoreline with increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification.
	3	Status Quo[1] and Community Education and Emergency Management[4]	Re-establish the line with a setback protection structure[10] (Retreat & Protect)	Enhance protection structure[2] (Protect – Hard Engineering)		• In the short term, maintaining the existing seawall will continue hard engineering within this modified coastal context. • In them medium and longer terms, setting protection structure back offers limited ongoing opportunity to restore natural character in context of increasing modification. • Holding the line of the shoreline with increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification.
	4	Status Quo[1] and Community Education and Emergency Management[4]	Re-establish the line with a setback protection structure[10] and Dune reconstruction[11] (Retreat & Protect)	Beach renourishment[10] (Protect – Soft Engineering)		• In the short term, maintaining existing seawalls will continue hard engineering influences within the context of existing modification. • In the medium and longer terms, reinstating a coordinated protection structure back from the present-day shoreline will continue hard engineering influences within this modified coastal context. • Where successful, restoring natural form and character of dunes in tandem with protection structure offers some ability to contribute to restoring natural character and combine nature-based solutions alongside hard engineering forms in this modified coastal context. • In the longer term, beach renourishment will provide some ongoing modification alongside ability to maintain ongoing natural form of beach profile and dunes • Where successful, dunes and beach will occur in context of high levels of existing modification and appear more consistent with existing natural beach profile and form.

Management Unit 12A: Paekākāriki (Erosion Unit)	1	Status Quo[1] and Community Education and Emergency Management[4]	Enhance existing protection structure[2], Community Education and Emergency Management[4] (Enhance)	Re-establish the line with a setback protection structure[10] (Retreat & Protect)		• Establishing and reinforcing hard engineering will continue within the context of existing modification. • In the medium term, existing protection structure to be maintained and enhanced where required and will appear in the context of existing modification. • In the longer term, setting sea wall back offers limited ongoing opportunity to restore natural character in context of increasing modification.
	2	Enhance existing protection structure[2], Community Education and Emergency Management[4] (Enhance)	Sea wall[13] (Protect – Hard Engineering)	Re-establish the line with a setback protection structure[10] (Retreat & Protect)		• Establishing and reinforcing hard engineering will continue within the context of existing modification. While not out of character, this has the potential to reduce natural character. • The addition of increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification. • In the longer term, setting sea wall back offers limited ongoing opportunity to restore natural character in context of increasing modification.
	3	Enhance existing protection structure[2], Community Education and Emergency Management[4] (Enhance)	Re-establish the line with a setback protection structure[10] (Retreat & Protect)	Enhance sea wall[2] (Protect – Hard Engineering)		• Reinforcing hard engineering will continue within the context of existing modification. While not out of character, this has the potential to reduce natural character. • In the medium and longer terms, retreating the shoreline with a protection structure offers limited ongoing opportunity to restore natural character in context of increasing modification. • Holding the line of the shoreline with increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification.
	4	Enhance existing protection structure[2], Community Education and Emergency Management[4] (Enhance)	Re-establish the line with a setback protection structure[10] and Dune reconstruction[12] (Retreat & Protect)	Beach renourishment[10] (Protect – Soft Engineering)		• In the short term, reinforcing existing seawalls will continue to extend hard engineering influences within the context of existing modification. • In the medium and longer terms, reinstating a coordinated seawall back from the present-day shoreline will continue hard engineering influences within this modified coastal context. • Restoring natural form and character of dunes offers some ability to contribute to restoring natural character and combine nature-based solutions alongside hard engineering forms in this modified coastal context. • In the longer term, beach renourishment will provide some ongoing modification alongside ability to maintain ongoing natural form of beach profile and dunes • Dunes and beach will occur in context of high levels of existing modification and appear more consistent with existing natural beach profile and form.
	5	Sea wall[13] (Protect – Hard Engineering)	Enhance Sea wall[2] (Protect – Hard Engineering)	Enhance Sea wall[2] (Protect – Hard Engineering)		• Establishing and reinforcing hard engineering will continue within the context of existing modification in the short and medium term. • Holding the line of the existing shoreline in the long term with increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification.

	6	Status Quo[1] and Community Education and Emergency Management[4]	Enhance existing protection structure[2], Community Education and Emergency Management[4] (Enhance)	Sea wall[13] (Protect – Hard Engineering)		• Establishing and reinforcing hard engineering will continue within the context of existing modification. • Holding the line of the existing shoreline with increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification. • In the longer term the extinction of hard engineering will further limit natural character.
	7	Status Quo[1] and Community Education and Emergency Management[4]	Sea wall[13] (Protect – Hard Engineering)	Enhance Sea wall[2] (Protect – Hard Engineering)		• Maintaining an assortment of hard engineering will continue within the context of existing modification. • In the medium and longer terms, holding the line of the existing shoreline with increased hard engineering provides very limited ongoing opportunity to restore natural character in context of increasing modification.

Management Unit	Pathway	Pathway Description			Landscape values	
		Short term	Medium term	Long term	Score	Notes
Management Unit 11B: Paekākāriki (Inundation Unit)	1	Status Quo[1] and Community Education and Emergency Management[4]	Enhance Existing Inundation Protection[3] and Community Education and Emergency Management[4] (Enhance)	Additional Hard Protection (e.g. Stopbanks[13], Culverts[14], Pumpstations[15]) (Protect)		• Maintaining and reinforcing hard engineering within the context of existing modification in the short and medium terms will have limited benefit in terms of restoring natural character. • In the longer term additional hard protection will increase the extent of modification evident in affected areas.
	2	Status Quo[1] and Community Education and Emergency Management[4]	Enhance Existing Inundation Protection[3] and Community Education and Emergency Management[4] (Enhance)	Elevate floor levels of buildings[8] or Flood proofing buildings and infrastructure[6] (Accommodate)		• Maintaining and reinforcing hard engineering structures in the short and medium term within the context of existing modification provides limited opportunities to restore natural character. • In the longer term, adapting built form will have more limited impacts on natural elements, patterns and processes which may continue to operate.
	3	Status Quo[1] and Community Education and Emergency Management[4]	Additional Hard Protection (e.g. Stopbanks[14], Pumpstations[15]) (Protect)	Enhance Existing Inundation Protection[3] (Enhance)		• Maintaining and expanding ongoing hard engineering structures within the context of existing modification provides in the short and medium term will have limited opportunities to restore natural character. • In the longer term additional hard protection will increase the extent of modification evident in affected areas.
	4	Enhance Existing Inundation Protection[3] and Community Education and Emergency Management[4] (Enhance)	Additional Hard Protection (e.g. Stopbanks[14], Pumpstations[15]) (Protect)	Enhance Existing Inundation Protection[3] (Enhance)		• Reinforcing and expanding ongoing hard engineering structures within the context of existing modification provides limited opportunities to restore natural character and will likely reduce levels of natural character in the short and medium term. • In the longer term reinforcing hard protection will increase the extent of modification evident in affected areas.
	5	Enhance Existing Inundation Protection[3] and Community Education and Emergency Management[4] (Enhance)	Elevate floor levels of buildings[8] or Flood proofing buildings and infrastructure[6] (Accommodate)	Additional Hard Protection (e.g. Stopbanks[14], Pumpstations[15]) (Protect)		• Reinforcing ongoing hard engineering structures within the context of existing modification will further reduce natural character opportunities. • In the medium term, adapting built form will have more limited impacts on natural elements, patterns and processes which may continue to operate. • In the longer term introducing additional hard protection will increase the extent of modification evident in affected areas.