

G3 Objective Appraisal

Each scenario/policy has been appraised according to the extent to which each of the defined objectives (Appendix E) for individual locations is achieved. In most instances, consideration of whether the objective is met is based upon the predicted position (e.g. the extent of retreat) and form (e.g. existence of a beach) of the shoreline.

Objectives were appraised using two different methods:

(1) Percentage Compliance

This method was employed to clearly show the differences between policies and their acceptability. Where the policy achieved the objective it was assigned a Y (yes), where the policy did not achieve the objective it was assigned an N (no) and where the policy partially met the objective it was assigned a P (partial). The scores for each Y, N or P were then used to assess which policy met the most objectives along each frontage, for each epoch. As this process does not differentiate between objectives of differing importance, a ranking technique was also employed.

(2) Ranking

Ranking of objectives was utilised to identify the 'important' objectives for each shoreline. This method is based on the premise that policies which achieve the higher ranked objectives will be more acceptable. Each rank was given a simple weighted score (see table below) according to whether the policy met, partially met or did not meet the objective. The scores were then totalled for each policy for each frontage to assess which policy achieved the most 'important' objectives in each epoch.

RANK	SCORE AWARDED		
	Objective Met	Objective Partially Met	Objective Not Met
1	4	2	0
2	3	1.5	0
3	2	1	0
4	1	0.5	0

The following Objective Assessment Tables indicates whether the tested policies meet, partially meet or do not meet the objectives for each frontage. This is indicated with a Y, P or N, as well as a short statement of how the policy meets or does not meet the objective. The weighted score and percentage compliance totals are also shown at the end of each table.

G3.1 OBJECTIVE ASSESSMENT TABLES

NORTH GRAIN TO COLEMOUTH CREEK																							
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Some defences fail		Maintain / improve existing defences		Seaward defences		All defences have failed		Maintain / improve defences		Maintain / improve seaward defences		Secondary defence		No defences		Maintain / improve / replace defences		Maintain / improve seaward defences		Maintain / improve secondary defence	
Residential properties on edge of Grain village	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																					
		Y	No loss Properties on high ground	Y	No loss Properties on high ground	Y	No loss	Y	No loss Properties on high ground	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to / loss of properties from flood and erosion	Y	No loss Properties on high ground	Y	No loss	Y	No loss
Major infrastructure e.g. A228, local roads, bridges, railway line, services and communications, electricity pylons, also pipelines and jetties in estuary	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																					
		N	Disruption / damage to infrastructure	Y	No loss	N	Loss of pipelines and jetties in estuary	N	Damage to / loss of infrastructure with further inundation	Y	No loss	N	Loss of pipelines and jetties in estuary	P	Disruption to / loss of infrastructure dependant on realignment position	N	Loss of infrastructure with further inundation	Y	No loss	N	Loss of pipelines and jetties in estuary	P	Disruption to / loss of infrastructure dependant on realignment position
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																					
		N	Reduced potential of Grade 4 land	Y	No loss Best quality land on high ground	Y	No loss	N	Loss of Grade 4 land with further inundation	Y	No loss Best quality land on high ground	Y	No loss	P	Loss of Grade 2 and grade 4 land dependant on realignment position	N	Loss of Grade 4 land with further inundation	Y	No loss Best quality land on high ground	Y	No loss	P	Loss of Grade 2 and grade 4 land dependant on realignment position
Intertidal Habitat	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																					
		Y	Limited opportunity to create intertidal habitat in low lying	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Limited opportunity to create intertidal habitat in low lying	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Limited opportunity to create intertidal habitat dependant on	Y	Limited opportunity to create intertidal habitat in low lying	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Limited opportunity to create intertidal habitat dependant on realignment

NORTH GRAIN TO COLEMOUTH CREEK																							
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Some defences fail		Maintain / improve existing defences		Seaward defences		All defences have failed		Maintain / improve defences		Maintain / improve seaward defences		Secondary defence		No defences		Maintain / improve / replace defences		Maintain / improve seaward defences		Maintain / improve secondary defence	
			areas						areas						realignment position		areas						position
OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	Creation of transitional habitat as defences fail up to MHWS level, in limited locations	N	Net loss of mudflat habitat and shingle beach due to coastal squeeze	N	Adverse affects on coastal processes, net loss of mudflat habitat and shingle beach	Y	Creation of transitional / intertidal habitat in limited locations with further inundation	N	Net loss of mudflat habitat and shingle beach due to coastal squeeze	N	Adverse affects on coastal processes, net loss of mudflat habitat due to coastal squeeze	Y	Possible creation of intertidal habitat up to MHWS level in limited locations	Y	Creation of transitional / intertidal habitat in limited locations with further inundation	N	Net loss of mudflat habitat and shingle beach due to coastal squeeze	N	Adverse affects on coastal processes, net loss of mudflat habitat due to coastal squeeze	P	Establishment of created habitat in limited locations,, possible erosion of habitat as sea levels rise and sediment supply reduced
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																					
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																					
		N	Loss of freshwater habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of freshwater habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of freshwater habitat	N	Loss of freshwater habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of freshwater habitat
Former oil refinery site	C1	OBJECTIVE: Prevent loss/ damage/ disruption to site from flooding																					
		N	Damage / disruption to site as defences fail	Y	No loss	Y	No Loss	N	Damage to / loss of site with further inundation	Y	No loss	Y	No loss	P	Possible loss of site dependant on realignment position	N	Loss of site	Y	No loss	Y	No loss	P	Possible loss of site dependant on realignment position
Grain Power station	C1	OBJECTIVE: Prevent loss/ damage/ disruption to Grain Power station from flooding																					
		N	Disruption /	Y	No loss	Y	No Loss	N	Damage to	Y	No loss	Y	No loss	P	Possible	N	Loss of site	Y	No loss	Y	No loss	P	Possible loss

NORTH GRAIN TO COLEMOUTH CREEK																							
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Some defences fail		Maintain / improve existing defences		Seaward defences		All defences have failed		Maintain / improve defences		Maintain / improve seaward defences		Secondary defence		No defences		Maintain / improve / replace defences		Maintain / improve seaward defences		Maintain / improve secondary defence	
		damage to site as defences fail					/ loss of site with further inundation							loss of site dependant on realignment position		with further inundation					of site dependant on realignment position		
Thamesport	F1	OBJECTIVE: Prevent loss/ damage/ disruption to Thamesport from flooding																					
		N	Disruption / damage to / loss of site as defences fail	Y	No loss	Y	No Loss	N	Damage to / loss of site with further inundation	Y	No loss	Y	No Loss	P	Disruption to / loss of some areas dependant on realignment position	N	Loss of site with further inundation	Y	No loss	Y	No Loss	P	Disruption to / loss of some areas dependant on realignment position
Grain Pit	E4	OBJECTIVE 1: Promote biodiversity opportunities enhance / create current habitat																					
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage to Grain Pit from flooding and flood risk management works																					
		N	Damage to habitat as defences fail	Y	No loss	Y	No loss	N	Damage to habitat with further inundation	Y	No loss	Y	No loss	P	Possible loss of site dependant on realignment position	N	Damage to / loss habitat with further inundation	Y	No loss	Y	No loss	P	Possible loss of site dependant on realignment position
Coastal artillery defences on the Isle of Grain	G2	OBJECTIVE 1: Prevent loss/ damage to SM from flooding and flood risk management works																					
		N	Possible damage to SM as defences fail	Y	No loss	P	Possible loss of / damage to SM (Grain Tower) dependant on advanced position	N	Damage to / loss of SM with further inundation	Y	No loss	P	Possible loss of / damage to SM (Grain Tower) dependant on advanced position	P	Possible loss of site dependant on realignment position	N	Loss of SM with further inundation	Y	No loss	P	Possible loss of / damage to SM (Grain Tower) dependant on advanced position	P	Possible loss of / damage to SM (Grain Tower) dependant on realignment position
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																					
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity

NORTH GRAIN TO COLEMOUTH CREEK																							
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)					50-100 (up to 2105)										
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Some defences fail		Maintain / improve existing defences		Seaward defences		All defences have failed		Maintain / improve defences		Maintain / improve seaward defences		Secondary defence		No defences		Maintain / improve / replace defences		Maintain / improve seaward defences		Maintain / improve secondary defence	
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																					
		N	Loss of features	Y	No loss, however survey, record and monitor any finds	N	Loss of submerged features	N	Loss of features	Y	No loss, however survey, record and monitor any finds	N	Loss of submerged features	N	Potential loss of buried features	N	Loss of features	Y	No loss, however survey, record and monitor any finds	N	Loss of submerged features	N	Potential loss of buried features
Grain Village Foreshore	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to public open space from flooding and flood risk management works																					
		P	Natural rollback of beach, however potential loss of shingle beach due to coastal squeeze	P	Possibility of measures to keep integrity of beach, however potential loss of beach with coastal squeeze	N	Loss of beach	P	Natural rollback of beach, however potential beach loss due to coastal squeeze	P	Measures to keep beach integrity, however potential loss of beach with coastal squeeze due to sea level rise	N	Loss of foreshore with coastal squeeze	P	Allows beach to roll back naturally, disruption to public open space with defence works	P	Natural functioning of shoreline, however potential beach loss and erosion due to coastal squeeze	P	Measures to keep beach integrity, however potential loss of beach with coastal squeeze due to sea level rise	N	Loss of foreshore with coastal squeeze	P	Allows beach to function naturally, potential beach erosion with coastal squeeze
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																					
		N	No opportunity	Y	Potential opportunity	N	No opportunity	N	No opportunity	Y	Opportunity to enhance features	N	No opportunity	N	No opportunity	Y	Opportunity to enhance features	N	No opportunity	N	No opportunity		
Landscape of the estuary, marshes, village and industrial area, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																					
		N	Loss of industrial estuary landscape and historic defences, degradation of landscape as defences fail	p	Maintain as is but increased defences	N	Hard defences, impacting on visual estuary landscape	P	Loss of industrial estuary landscape and historic defences, however, improved visual quality, more 'natural' coastline landscape	p	Maintain as is but increased defences	N	Hard defences, impacting on visual estuary landscape	P	Loss of industrial and heritage estuary landscape features dependant on realignment position, opportunity to improve visual	P	Loss of industrial estuary landscape and historic defences, however, improved visual quality, more 'natural' coastline landscape	p	Maintain as is but increased defences	N	Hard defences, impacting on visual estuary landscape	P	Loss of industrial and heritage estuary landscape features dependant on realignment position, opportunity to improve visual quality, more 'natural' coastline

NORTH GRAIN TO COLEMOUTH CREEK												
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR
		Some defences fail	Maintain / improve existing defences	Seaward defences	All defences have failed	Maintain / improve defences	Maintain / improve seaward defences	Secondary defence	No defences	Maintain / improve / replace defences	Maintain / improve seaward defences	Maintain / improve secondary defence
N		17	6	9	16	6	9	6	17	6	9	6
Weighted Score		12	35.5	29	13.5	35.5	29	26	10.5	35.5	29	24

COLEMOUTH CREEK TO BEE NESS JETTY																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences will remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties in Lower Stoke village	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of properties with further inundation	Y	No loss	Y	No loss	Y	No loss
Commercial properties – businesses in Lower Stoke village	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of properties with further inundation	Y	No loss	Y	No loss	Y	No loss
Community facilities in Lower Stoke village (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of facilities as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of facilities with further inundation	Y	No loss	Y	No loss	Y	No loss
Residential properties on edge of Middle Stoke village	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of properties with further inundation Loss of properties	Y	No loss	Y	No loss	Y	No loss
Major infrastructure e.g. A228, local roads, bridges, railway line, services and communications, electricity pylons, also pipelines and jetties in	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Potential loss / relocation of / disruption to	N	Loss of infrastructure as defences fail	Y	No loss	Y	No loss	P	Potential loss / relocation of / disruption to infrastructure	N	Loss of infrastructure with further inundation	Y	No loss	Y	No loss	P	Potential loss / relocation of / disruption to

COLEMOUTH CREEK TO BEE NESS JETTY																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences will remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
estuary									infrastructure, dependant on realignment position															infrastructure, dependant on realignment position	
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Loss of grade 1 and grade 4 land dependant on realignment position	N	Loss of land as defences fail	Y	No loss	Y	No loss	P	Loss of grade 1 and grade 4 land dependant on realignment position	N	Loss of land with further inundation	Y	No loss	Y	No loss	P	Loss of grade 1 and grade 4 land dependant on realignment position
Intertidal Habitat	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No opportunity	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat as defences fail	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat with further inundation	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding areas, accretion elsewhere	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding areas, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seaward	Y	No net loss	Y	Potential to create intertidal habitat up to MHWS level as defences fail	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding areas, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seaward and with coastal squeeze	Y	No net loss	Y	Establishment of intertidal habitat and creation of intertidal habitat up to MHWS level	N	Loss of intertidal habitat with coastal squeeze reduction of sediment to the estuary	N	Loss of intertidal habitat as defences constructed seaward and with coastal squeeze	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																							
		N	No opportunities	N	No opportunities	P	Opportunity to enhance and create habitat, as long as reclaimed	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance and create habitat, as long as reclaimed	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance and create habitat,	N	No opportunities

COLEMOUTH CREEK TO BEE NESS JETTY																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences will remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
						landscape		on realignment position, enhanced visual quality with a more natural coastline		fail				landscape		on realignment position, enhanced visual quality with a more natural coastline		improved visual quality, more 'natural' coastline				on the estuary landscape		on realignment position, enhanced visual quality with a more natural coastline	
Facilities for recreation on and near the river, and associated business, including Medway micro lights and moorings in intertidal areas	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, seek opportunities to enhance features where appropriate																							
		Y	No loss	P	No loss to flooding, possible disruption with flood risk management works	N	Loss of moorings and wharfrage at Stoke Saltings	P	Loss of some features dependant on realignment position	N	Damage / loss of facilities as defences fail	P	No loss to flooding, possible disruption with flood risk management works	P	Loss of moorings and wharfrage at Stoke Saltings, potential to enhance recreational facilities in reclaimed area	P	Loss of some features dependant on realignment position	N	Damage / loss of facilities with further inundation	P	No loss to flooding, possible disruption with flood risk management works	P	Loss of moorings and wharfrage at Stoke Saltings, potential to enhance recreational facilities in reclaimed area	P	Loss of some features dependant on realignment position
Public Footpath along flood defence embankments south of A228.	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath, opportunities for new footpath on retreated defences	N	Loss of footpath as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath, opportunities for new footpath on retreated defences	N	Loss of footpath with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	Y	Opportunity for enhancement	Y	Opportunity for enhancement	Y	Opportunity for enhancement	N	No opportunity	Y	Opportunity for enhancement	Y	Opportunity for enhancement	Y	Opportunity for enhancement	N	No opportunity	Y	Opportunity for enhancement	Y	Opportunity for enhancement	Y	Opportunity for enhancement

COLEMOUTH CREEK TO BEE NESS JETTY																								
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)														
		NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR								
		Defences will remain		Maintain / improve existing defences	Seaward defences	Realigned secondary defences	Defences fail		Maintain / improve existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences		Maintain / improve / replace existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences								
				nt		nt			nt			nt			ent		ment		ment					
Kingsnorth Power Station and Industrial and Commercial Areas	C1	OBJECTIVE: Prevent loss/ damage/ disruption to Kingsnorth Power station and industrial and commercial areas from flooding																						
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to industrial area as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to industrial area	Y	No loss	Y	No loss	Y
Y		14		13		12		12		4		13		12		11		4		13		12		11
P		1		3		1		5				3		2		5		1		2		2		5
N		3		2		5		1		14		2		4		2		13		3		4		2
Weighted Score		41		40.5		36.5		40		13		40.5		37.5		40		14.5		38.5		37.5		40

KINGSNORTH POWER STATION																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)				50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties in and in vicinity of Hoo St Werburgh	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Commercial properties – businesses in Hoo St Werburgh	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Community facilities in Hoo St Werburgh (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Kingsnorth Power Station and Industrial and Commercial Areas	C1	OBJECTIVE: Prevent loss/ damage/ disruption to Kingsnorth Power station and industrial and commercial areas from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Loss / disruption to Power Station dependant on realignment position	N	Loss / damage to Power Station	Y	No loss	Y	No loss	P	Loss / disruption to Power Station dependant on realignment position	N	Loss / damage to Power Station	Y	No loss	Y	No loss	P	Loss / disruption to Power Station dependant on realignment position
Major infrastructure e.g. local roads, bridges, railway line, services and communications, electricity pylons	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Loss / disruption to infrastructure dependant on realignment position	N	Loss / damage to infrastructure as defences fail	Y	No loss	Y	No loss	P	Loss / disruption to infrastructure dependant on realignment position	N	Loss / damage to infrastructure with further inundation	Y	No loss	Y	No loss	P	Loss / disruption to infrastructure dependant on realignment position
Public Footpaths, including along flood defence embankments and shoreline (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on	N	Disruption to / loss of footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on	N	Loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on

KINGSNORTH POWER STATION																									
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)									
		NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR									
		Defences remain		Maintain / improve existing defences	Seaward defences	Realigned secondary defences	Defences fail		Maintain / improve existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences		Maintain / improve / replace existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences									
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seawards	Y	No net loss	Y	No net loss	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seaward and with coastal squeeze in front of advanced defences	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat with coastal squeeze as sediment supply decreases	N	Loss of intertidal habitat as defences constructed seaward and with coastal squeeze in front of advanced defences	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)		E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																						
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development.	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development.	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development.	N	No opportunity
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat
Tower Hill to Cockham Wood		E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create habitat																						
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities

KINGSNORTH POWER STATION																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		OBJECTIVE 2: Prevent loss/ damage to designated site from erosion/ risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Landscape of the estuary, marshes, villages and industrial area, including existing defences		L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																						
		Y	Maintain as is	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	P	Loss of industrial estuary features, potential to enhance visual quality	N	Degradation of visual amenity as defences fail and loss of estuary landscape features	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	P	Loss of industrial estuary features, potential to enhance visual quality	P	Loss of estuary landscape features, improved visual quality, more 'natural' coastline as defences fail	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	P	Loss of industrial estuary features, potential to enhance visual quality
Y		12		12		10		9		8		12		10		10		8		12		10		10	
P		1		2		1		4		8		2		1		4		1		1		1		4	
N		4		3		6		4		9		3		6		3		8		4		6		3	
Weighted Score		35		35.5		29.5		31		23		35.5		29.5		34		24.5		33.5		29.5		34	

POWER STATION TO COCKHAM WOOD																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties in and in vicinity of Hoo St Werburgh	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Potential loss dependant on realignment position	N	Potential damage to properties as defences fail	Y	No loss	Y	No loss	P	Potential loss dependant on realignment position	N	Potential damage to properties with increased inundation	Y	No loss	Y	No loss	P	Potential loss dependant on realignment position
Commercial properties – businesses in Hoo St Werburgh	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to properties with increased inundation	Y	No loss	Y	No loss	Y	No loss
Community facilities in Hoo St Werburgh (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to facilities as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to facilities with increased inundation	Y	No loss	Y	No loss	Y	No loss
Kingsnorth Power Station and Industrial and Commercial Areas	C1	OBJECTIVE: Prevent loss/ damage/ disruption to Kingsnorth Power station and industrial and commercial areas from flooding																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Loss / damage to Power Station potential release of contaminants	Y	No loss	Y	No loss	Y	No loss	N	Loss / damage to Power Station potential release of contaminants	Y	No loss	Y	No loss	Y	No loss
Major infrastructure e.g. local roads, bridges, railway line, services and communications, electricity pylons	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Loss / disruption to infrastructure dependant on realignment	N	Loss / damage to infrastructure as defences fail	Y	No loss	Y	No loss	P	Loss / disruption to infrastructure dependant on realignment	N	Loss / damage to infrastructure with further inundation	Y	No loss	Y	No loss	P	Loss / disruption to infrastructure dependant on realignment position

POWER STATION TO COCKHAM WOOD																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
									position								position								
Public Footpaths, including along flood defence embankments and shoreline (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Disruption to / loss of footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	Y	Opportunity for enhancement	Y	Opportunity for enhancement	Y	Opportunity for enhancement	N	No opportunity	Y	Opportunity for enhancement	Y	Opportunity for enhancement	Y	Opportunity for enhancement	N	No opportunity	Y	Opportunity for enhancement	Y	Opportunity for enhancement	Y	Opportunity for enhancement
Cockham Wood Fort	G2	OBJECTIVE: Prevent loss/ damage to SM from flooding/ erosion and risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss of SM	Y	No loss	Y	No loss	Y	No loss	Y	No loss of SM	Y	No loss	Y	No loss	Y	No loss	Y	No loss of SM
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	N	Loss of submerged interests not acceptable	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	N	Loss of submerged interests not acceptable	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	N	Loss of submerged interests not acceptable	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds
Facilities for recreation on the river, and associated business, including marina (sailing and windsurfing), Medway Yacht Club, Arethusa	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works. Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	N	Loss of moorings, narrower channel will	P	Loss of facilities dependant on	N	Loss of facilities as defences fail	Y	No loss	N	Loss of moorings, narrower channel will	P	Loss of facilities dependant on	N	Loss of facilities with further inundation	Y	No loss	N	Loss of moorings, narrower channel will	P	Loss of facilities dependant on

POWER STATION TO COCKHAM WOOD																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences remain	Maintain / improve existing defences	Seaward defences	Realigned secondary defences	Defences fail	Maintain / improve existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve / replace existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
Venture Centre, access to foreshore and river (including for fishing)					cause faster flows compromising navigation safety		realignment position										cause faster flows compromising navigation safety		realignment position						
Intertidal Habitat (including saltmarsh islands)	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No opportunity	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	N	No opportunity	Y	Opportunity to enhance habitat	Y	Opportunity to create habitat	N	No opportunity	N	No opportunity	Y	Opportunity to enhance habitat
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seawards	Y	No net loss	Y	No net loss	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seaward and with coastal squeeze in front of advanced defences	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat with coastal squeeze as sediment supply decreases	N	Loss of intertidal habitat as defences constructed seaward and with coastal squeeze in front of advanced defences	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																							
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development.	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development.	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development.	N	No opportunity

POWER STATION TO COCKHAM WOOD																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR									
		Defences remain		Maintain / improve existing defences	Seaward defences	Realigned secondary defences	Defences fail		Maintain / improve existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences		Maintain / improve / replace existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences									
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat
Tower Hill to Cockham Wood		OBJECTIVE 1: Promote biodiversity opportunities to enhance / create habitat																							
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage to designated site from erosion/ risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Landscape of the estuary, marshes, villages and industrial area, including existing defences		OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Maintain as is	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	Y	Potential to enhance visual quality	N	Degradation of visual amenity as defences fail	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	Y	potential to enhance visual quality	Y	Improved visual quality, more 'natural' coastline as defences fail	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	Y	potential to enhance visual quality
Y		12		12		10		10		5		12		10		10		6		12		10		10	
P		1		2		1		4		0		2		1		4		0		1		1		4	
N		4		3		6		3		12		3		6		3		11		4		6		3	
Weighted Score		35		35.5		29.5		34.5		15		35.5		29.5		37.5		18		33.5		29.5		37.5	

COCKHAM WOOD																			
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)											
		NAI (Baseline)	HTL (Heritage locations)	MR	NAI (Baseline)	HTL (Heritage locations)	MR	NAI (Baseline)	HTL (Heritage locations)	MR									
		No defences	New defences around SM	Managing rate of recession of high land	No defences	Maintain / improve new defences	Managing rate of recession of high land	No defences	Maintain / improve defences	Managing rate of recession of high land									
Residential properties in and in vicinity of Hoo St Werburgh	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss		
Commercial properties – businesses in Hoo St Werburgh	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss		
Community facilities in Hoo St Werburgh (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss		
Major infrastructure e.g. local roads, bridges, railway line, services and communications, electricity pylons	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss		
Public Footpaths, including along flood defence embankments and shoreline (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		N	Potential loss of footpath	P	No loss around SM, but potential increased erosion of paths either side	N	Potential loss of footpath	N	Potential loss of footpath	P	No loss around SM, but potential increased erosion of paths either side	N	Potential loss of footpath	N	Potential loss of footpath	P	No loss around SM, but potential increased erosion of paths either side	N	Potential loss of footpath
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
Cockham Wood Fort	G2	OBJECTIVE: Prevent loss/ damage to SM from flooding/ erosion and risk management works																	
		N	Damage to SM	P	Prevents damage / loss from flood and erosion, potential damage from flood risk management works	N	Damage to SM	N	Damage / potential loss of SM	P	Prevents damage / loss from flood and erosion, potential damage from flood risk management works	N	Damage to SM	N	Loss of SM	P	Prevents damage / loss from flood and erosion, potential damage from flood risk management works	N	Damage to SM
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record																	

COCKHAM WOOD																			
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)				50-100 (up to 2105)							
		NAI (Baseline)		HTL (Heritage locations)		MR		NAI (Baseline)		HTL (Heritage locations)		MR		NAI (Baseline)		HTL (Heritage locations)		MR	
		No defences		New defences around SM		Managing rate of recession of high land		No defences		Maintain / improve new defences		Managing rate of recession of high land		No defences		Maintain / improve defences		Managing rate of recession of high land	
		Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds	Y	As long as survey, record and monitor finds
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
Facilities for recreation on the river, and associated business, including marina (sailing and windsurfing), Medway Yacht Club, Arethusa Venture Centre, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																	
		N	Potential loss of access to foreshore	P	Disruption to pathways/recreation areas due to flood risk management works	N	Potential loss of access to foreshore	N	Potential loss of access to foreshore	P	Disruption to pathways/recreation areas due to flood risk management works	N	Potential loss of access to foreshore	N	Potential loss of access to foreshore	P	Disruption to pathways/recreation areas due to flood risk management works	N	Potential loss of access to foreshore
Intertidal Habitat (including saltmarsh islands)	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																	
		N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																	
		Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze in front of defences, potential damage to beach due to erosion around ends of defences	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze in front of defences, potential damage to beach due to erosion around ends of defences	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze in front of defences, potential damage to beach due to erosion around ends of defences	Y	No net loss
Tower Hill to Cockham Wood	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance create current habitat																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage to designated site from erosion/ risk management works																	
		Y	Allows natural beach migration landward, no loss	P	Will protect cliffs behind SM, but cause erosion of beach adjacent to	Y	Allows natural beach migration landward, no loss	P	Natural migration of beach landward, however	P	Will protect cliffs behind SM, but cause erosion of beach adjacent to	P	Natural cliff erosion, although at a managed rate	P	Natural migration of beach landward,	P	Will protect cliffs behind SM, but cause erosion of	P	Natural cliff erosion, although at a

COCKHAM WOOD											
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)			
		NAI (Baseline)	HTL (Heritage locations)	MR	NAI (Baseline)	HTL (Heritage locations)	MR	NAI (Baseline)	HTL (Heritage locations)	MR	
		No defences	New defences around SM	Managing rate of recession of high land	No defences	Maintain / improve new defences	Managing rate of recession of high land	No defences	Maintain / improve defences	Managing rate of recession of high land	
		of designated site	defence	of designated site	narrowing of beach with coastal squeeze, possible cliff erosion	defence		however narrowing of beach with coastal squeeze, possible cliff erosion	beach adjacent to defence	managed rate	
Landscape of the estuary, marshes, villages and industrial area, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate									
		Y	Maintain as is	N	Will degrade historic / estuary landscape, new hard defences	Y	Maintain as is	Y	Maintain as is	N	Will degrade historic / estuary landscape, hard defences
Y		8	5	8	7	5	7	7	5	7	
P		0	4	0	1	4	1	1	4	1	
N		7	6	7	7	6	7	7	6	7	
Weighted Scale		22	17.5	22	20.5	17.5	20.5	20.5	17.5	20.5	

LOWER UPNOR TO MEDWAY BRIDGE																									
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)	
		Failure of defences between Rochester and Medway Bridges		Maintain / improve existing defences		Seaward defences		Secondary defences		Failure of remaining defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties at Frindsbury and Strood / Lower and Upper Upnor	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		N	Potential damage to a limited number of properties	Y	No loss	Y	No loss	Y	No loss	N	Potential damage to / loss of a limited number of properties with further inundation	Y	No loss	Y	No loss	Y	No loss	N	Potential loss of a limited number of properties with further inundation	Y	No loss	Y	No loss	Y	No loss
Commercial properties – including businesses and industrial areas on Medway City Estate (including commercial wharves) and along river frontage	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		N	Damage to / loss of commercial properties	Y	No loss	Y	No loss	Y	No loss, secondary defences protect commercial assets	N	Loss of commercial properties with further inundation	Y	No loss	Y	No loss	Y	No loss, secondary defences protect commercial assets	N	Loss of commercial properties with further inundation	Y	No loss	Y	No loss	Y	No loss, secondary defences protect commercial assets
Community facilities at Frindsbury and Strood (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		N	Potential damage to a limited number of facilities	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of facilities with further inundation	Y	No loss	Y	No loss	Y	No loss	N	Loss of facilities with further inundation	Y	No loss	Y	No loss	Y	No loss
Major infrastructure e.g. Medway Tunnel, local roads, bridges, main railway line and station, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		N	Disruption / damage to infrastructure	Y	No loss	Y	No loss	Y	No loss, secondary defences protect infrastructure (Medway tunnel approach)	N	Damage to / loss of infrastructure with further inundation	Y	No loss	Y	No loss	Y	No loss, secondary defences protect infrastructure (Medway tunnel approach)	N	Loss of infrastructure with further inundation	Y	No loss	Y	No loss	Y	No loss, secondary defences protect infrastructure (Medway tunnel approach)
Facilities for recreation on the river, and associated business, including Strood Pier, Strood Sailing Club, moorings	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works																							
		N	Disruption to / damage to / loss of	Y	No loss	N	Loss of moorings, narrow channel may cause	Y	No loss	N	Damage to / loss of facilities with further	Y	No loss, opportunities for enhancement	N	Loss of moorings, narrow channel	Y	No loss	N	Loss of facilities with further	Y	No loss, opportunities for enhancement	N	Loss of moorings, narrow channel	Y	No loss

LOWER UPNOR TO MEDWAY BRIDGE																																			
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)				50-100 (up to 2105)																					
		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)											
		Failure of defences between Rochester and Medway Bridges		Maintain / improve existing defences		Seaward defences		Secondary defences		Failure of remaining defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences											
and slipways, access to foreshore and river (including for fishing) Also Medway Valley Leisure Park (cinema/restaurant complex)			facilities as defences fail				increased flows compromising safe navigation				inundation		ent			may cause increased flows compromising safe navigation				inundation		ent			may cause increased flows compromising safe navigation										
	OBJECTIVE 2: Seek opportunities to enhance features where appropriate																																		
	N	No opportunity	Y	Opportunity to enhance	Y	Opportunity to enhance, potential to create new recreation facilities in reclaimed area	N	No opportunity	N	No opportunity	Y	Opportunity to enhance	Y	Opportunity to enhance, potential to create new recreation facilities in reclaimed area	N	No opportunity	N	No opportunity	Y	Opportunity to enhance	Y	Opportunity to enhance, potential to create new recreation facilities in reclaimed area	N	No opportunity											
Public Footpaths, including Saxon Shore Way and riverside walkway in urban areas	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																																	
		N	Disruption to / loss of footpaths as defences fail	Y	No loss	Y	No loss, opportunities for enhancement	Y	No loss	N	Loss of footpaths with further inundation / erosion	Y	No loss	Y	No loss, opportunities for enhancement	Y	No loss	N	Loss of footpaths with further inundation / erosion	Y	No loss	Y	No loss, opportunities for enhancement	Y	No loss	Y	No loss	Y	No loss						
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																																	
		N	No opportunity	Y	Opportunity to enhance features	Y	Opportunity to enhance features	N	No opportunity	N	No opportunity	Y	Opportunity to enhance features	Y	Opportunity to enhance features	N	No opportunity	N	No opportunity	Y	Opportunity to enhance features	Y	Opportunity to enhance features	N	No opportunity										
Temple Marsh	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create current habitat																																	
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity						
		OBJECTIVE 2: Prevent net loss of habitats and associated species from flooding and flood risk management works																																	
		N	Erosion of habitat	Y	No loss of habitat	Y	No net loss of habitat	Y	No loss	N	Erosion of habitat	Y	No loss of habitat	Y	No net loss of habitat	Y	No loss	N	Erosion of habitat	Y	No loss of habitat	Y	No net loss of habitat	Y	No loss	Y	No loss of habitat	Y	No loss						
Temple Manor, Strood	G2	OBJECTIVE 1: Prevent loss/ damage to SM from flooding and flood risk management works																																	

LOWER UPNOR TO MEDWAY BRIDGE																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)				50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)		NAI (Baseline)		HTL		ATL		MR (Whitewall Creek)	
		Failure of defences between Rochester and Medway Bridges		Maintain / improve existing defences		Seaward defences		Secondary defences		Failure of remaining defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		N	Potential damage to SM	Y	No loss	Y	No loss	Y	No loss	N	Loss of SM with further inundation	Y	No loss	Y	No loss	Y	No loss	N	Loss of SM	Y	No loss	Y	No loss	Y	No loss
OBJECTIVE 2: Seek opportunities to enhance features where appropriate																									
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Upnor Castle	G2	OBJECTIVE 1: Prevent loss/ damage to SM from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to SM	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of SM	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		N	Potential loss of heritage features unacceptable	Y	No loss	N	Loss of submerged heritage features unacceptable	N	Loss of heritage features unacceptable	N	Potential loss of heritage features unacceptable	Y	No loss	N	Loss of submerged heritage features unacceptable	N	Loss of heritage features unacceptable	N	Potential loss of heritage features unacceptable	Y	No loss	N	Loss of submerged heritage features unacceptable	N	Loss of heritage features unacceptable
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	Degradation of urban landscape quality as defences fail	P	Maintain as is but increased defences	N	Hard defences, impacts on visual landscape of river and urban area	Y	Opportunity to improve visual quality	N	Degradation of urban landscape quality	P	Maintain as is but increased defences	N	Hard defences, loss of estuary landscape features	Y	Opportunity to improve visual quality	N	Degradation of urban landscape	P	Maintain as is but increased defences	N	Hard defences, loss of estuary landscape features	Y	Opportunity to improve visual quality
Y		1		12		10		10		0		12		10		10		0		12		10		10	
P		0		1		0		0		0		1		0		0		0		1		0		0	
N		15		3		6		6		16		3		6		6		16		3		6		6	
Weighted Score		3		31		26		26		0		31		26		26		0		31		26		26	

MEDWAY BRIDGE TO NORTH HALLING																	
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)					
		NAI (Baseline)		HTL		MR (Location 2: where no railway)	NAI (Baseline)		HTL		MR (1. Whole frontage and 2: where no railway)	NAI (Baseline)		HTL		MR (1. Whole frontage and 2: where no railway)	
		Defences fail		Maintain / improve / replace defences		Secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences	
Residential properties on the edge of Halling / North Halling / Cuxton	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works															
		P	potential damage as defences fail	Y	No loss	Y	2. No loss	P	Potential damage to properties if railway fails	Y	No loss	P	1. potential loss of properties at Cuxton dependant on realignment position 2. No loss	P	Potential damage to properties if railway fails	Y	No loss
Commercial properties and industrial areas along river frontage – including near Halling (including commercial wharves) and Cuxton Industrial Estate	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works															
		N	Loss of properties as defences fail	Y	No loss	Y	2. No Loss	N	Loss of properties with further inundation	Y	No loss	P	1. Loss of properties and industrial areas dependant on realignment position 2. No loss	N	Loss of properties	Y	No loss
Major infrastructure e.g. local roads, bridges, main railway line and station, services and communications Also M2 and Channel Tunnel Rail Link bridge piers	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding															
		N	Loss of infrastructure as defences fail	Y	No loss of infrastructure	Y	2. No loss, defences constructed seaward of infrastructure	N	Loss of infrastructure with further inundation	Y	No loss of infrastructure	P	1. Loss of infrastructure dependant on realignment position 2. No loss	N	Loss of infrastructure	Y	No loss of infrastructure
Facilities for recreation on the river, and associated business, including Port Medway Marina, The Rochester Queen, allotments at Cuxton, moorings and slipways,	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate															
		N	Damage to / loss of recreation facilities as defences fail	Y	No loss	N	2. Loss of recreation area	N	Loss of recreation facilities with further inundation	Y	No loss	P	1. Loss of recreation facilities dependant on realignment position	N	Loss of recreation facilities	Y	No loss

MEDWAY BRIDGE TO NORTH HALLING																			
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)							
		NAI (Baseline)		HTL		MR (Location 2: where no railway)	NAI (Baseline)		HTL		MR (1. Whole frontage and 2: where no railway)	NAI (Baseline)		HTL		MR (1. Whole frontage and 2: where no railway)			
		Defences fail		Maintain / improve / replace defences		Secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences			
access to foreshore and river (including for fishing)										N	2. Loss of recreation area							N	2. Loss of recreation area
Public Footpaths, including Saxon Shore Way	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		N	Disruption to / loss of footpaths as defences fail	Y	No loss	P	2. Disruption to existing footpaths, opportunities for new footpath on retreated defences	N	Loss of footpaths with further inundation	Y	No loss	P	1. Disruption to existing footpaths, opportunities for new footpath on retreated defences P 2. As above	N	Loss of footpaths	Y	No loss	P	1. Disruption to existing footpaths, opportunities for new footpath on retreated defences P 2. As above
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunity	Y	Opportunity to enhance	Y	2. Opportunity to enhance	N	No opportunity	Y	Opportunity to enhance	Y	1. Opportunity to enhance Y 2. Opportunity to enhance	N	No opportunity	Y	Opportunity to enhance	Y	1. Opportunity to enhance Y 2. Opportunity to enhance
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																	
		Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	2. Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	1. Loss of buried heritage acceptable as long as survey, record and monitor finds Y 2. Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	1. Loss of buried heritage acceptable as long as survey, record and monitor finds Y 2. Loss of buried heritage acceptable as long as survey, record and monitor finds
Landscape of the river valley, including existing flood defences	L1	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																	
		N	Degradation of river landscape quality as	P	Maintain as is but increased	Y	2. Opportunity to improve visual	P	Loss of river landscape, improved visual	P	Maintain as is but increased	P	1. Loss of river valley features, degradation of	P	Loss of river landscape, improved visual	P	Maintain as is but increased	P	1. Loss of river valley features, degradation of

MEDWAY BRIDGE TO NORTH HALLING												
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)				
		NAI (Baseline)	HTL	MR (Location 2: where no railway)	NAI (Baseline)	HTL	MR (1. Whole frontage and 2: where no railway)	NAI (Baseline)	HTL	MR (1. Whole frontage and 2: where no railway)		
		Defences fail	Maintain / improve / replace defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences		
		defences fail	defences	quality	quality, more 'natural' shoreline as defences fail	defences	Y visual landscape, more 'natural' river 2. Opportunity to improve visual quality of landscape	quality, more 'natural' shoreline as defences fail	defences	Y visual landscape, more 'natural' river 2. Opportunity to improve visual quality of landscape		
Y		1	7	6	1	7	2	6	1	7	2	6
P		1	1	1	2	1	6	1	2	1	6	1
N		6	0	1	5	0	0	1	5	0	0	1
Weighted Score		4.5	18	16	4.5	18	11.5	16	4.5	18	11.5	16

NORTH HALLING TO SNODLAND																			
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)					
		NAI (Baseline)		HTL		MR		NAI (Baseline)		HTL		MR		NAI (Baseline)		HTL		MR	
		Defences at Halling remain, failure of defences elsewhere		Maintain / improve defences		Secondary defences		Failure of defences at Halling		Maintain / improve defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve secondary defences	
Residential properties on the edge of Halling / north Halling / Snodland	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																	
		N	Damage to properties dependant on where defences fail	Y	No loss	Y	No loss	N	Loss of properties with further inundation	Y	No loss	Y	No loss	N	Loss of properties	Y	No loss	Y	No loss
Commercial properties and industrial areas along river frontage – including near Halling (including commercial wharves) and Cuxton Industrial Estate	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																	
		N	Damage to properties dependant on where defences fail	Y	No loss	P	Possible damage to / loss dependant on realignment position	N	Loss of properties with further inundation	Y	No loss	P	Possible damage to / loss dependant on realignment position	N	Loss of properties	Y	No loss	P	Possible damage to / loss dependant on realignment position
Land at Halling	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create freshwater habitat																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																	
		N	Loss of existing freshwater habitats as defences fail	Y	No loss of habitat	N	Loss of existing freshwater habitats	N	Loss of existing freshwater habitats with further inundation	Y	No loss of habitat	N	Loss of existing freshwater habitats	N	Loss of existing freshwater habitats with further inundation	Y	No loss of habitat	N	Loss of existing freshwater habitats
		OBJECTIVE 2: Promote biodiversity opportunities to enhance / create intertidal / brackish habitat																	
Y	Opportunity to create habitat	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	Y	Opportunity to create habitat
Major infrastructure e.g. local roads, bridges, main railway line and station, services and communications Also M2 and Channel Tunnel Rail	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																	
		N	Damage to railway at Holborough as defences fail	Y	No loss	Y	No loss	N	Loss of railway at Holborough	Y	No loss	Y	No loss	N	Loss of railway at Holborough and south of North Halling	Y	No loss	Y	No loss

NORTH HALLING TO SNODLAND																			
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)							
		NAI (Baseline)		HTL		MR	NAI (Baseline)		HTL		MR	NAI (Baseline)	HTL	MR					
		Defences at Halling remain, failure of defences elsewhere		Maintain / improve defences		Secondary defences	Failure of defences at Halling		Maintain / improve defences		Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences					
Link bridge piers																			
Holborough Marshes	E3	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create freshwater habitat																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities				
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																	
		N	Damage / loss of existing freshwater habitats as defences fail	Y	No loss	N	Loss of existing freshwater habitats	N	Damage / loss of existing freshwater habitats with further inundation	Y	No loss	N	Loss of existing freshwater habitats	N	Damage / loss of existing freshwater habitats with further inundation	Y	No loss	N	Loss of existing freshwater habitats
Snodland Meadow	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create habitat																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities				
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																	
		N	Damage / loss of existing freshwater habitats as defences fail	Y	No loss	N	Loss of existing freshwater habitats	N	Damage / loss of existing freshwater habitats with further inundation	Y	No loss	N	Loss of existing freshwater habitats	N	Damage / loss of existing freshwater habitats with further inundation	Y	No loss	N	Loss of existing freshwater habitats
Facilities for recreation on the river, and associated business, including Port Medway Marina, The Rochester Queen, allotments at Cuxton, moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																	
		N	Damage / disruption to recreation facilities as defences fail	Y	No loss	P	Possible loss / damage dependant on realignment position	N	Damage / disruption to recreation facilities with further inundation	Y	No loss	P	No further loss, potential disruption during flood risk management works	N	Damage / disruption to recreation facilities with further inundation	Y	No loss	P	No further loss, potential disruption during flood risk management works
Public Footpaths, including Saxon Shore Way	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		N	Disruption to / loss of footpaths as	Y	No loss	P	Disruption to existing footpath, opportunities for	N	Loss of footpaths with further inundation	Y	No loss	P	Disruption to existing footpath, opportunities for	N	Loss of footpaths	Y	No loss	P	Disruption to existing footpath, opportunities for

NORTH HALLING TO SNODLAND													
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)					
		NAI (Baseline)	HTL	MR	NAI (Baseline)	HTL	MR	NAI (Baseline)	HTL	MR			
		Defences at Halling remain, failure of defences elsewhere	Maintain / improve defences	Secondary defences	Failure of defences at Halling	Maintain / improve defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences			
		defences fail			new footpath on retreated defences					new footpath on retreated defences			new footpath on retreated defences
OBJECTIVE 2: Seek opportunities to enhance features where appropriate													
		N No opportunities	Y Opportunities for enhancement	Y Opportunities for enhancement	N No opportunities	Y Opportunities for enhancement	Y Opportunities for enhancement	N No opportunities	Y Opportunities for enhancement	Y Opportunities for enhancement	Y Opportunities for enhancement		
Bishops Palace at Halling. The visible ruins are set back from the river but the historic access to the site that served the Bishop of Rochester was by boat at what is a historic ferry crossing.	G2	OBJECTIVE 1: Prevent loss/ damage to SM from flooding and flood risk management works											
		Y No loss	Y No loss	Y No loss	N Damage / loss of SM as defences fail	Y No loss	Y No loss	N Damage / loss of SM	Y No loss	Y No loss	Y No loss		
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate											
		N No opportunity	N No opportunity	N No opportunity	N No opportunity	N No opportunity	N No opportunity	N No opportunity	N No opportunity	N No opportunity	N No opportunity		
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate											
		Y Loss acceptable as long as survey, record and monitor finds	Y Loss acceptable as long as survey, record and monitor finds	Y Loss acceptable as long as survey, record and monitor finds	N Loss unacceptable at Halling	Y Loss acceptable as long as survey, record and monitor finds	Y Loss acceptable as long as survey, record and monitor finds	N Loss unacceptable at Halling	Y Loss acceptable as long as survey, record and monitor finds	Y Loss acceptable as long as survey, record and monitor finds	Y Loss acceptable as long as survey, record and monitor finds		
Landscape of the river valley, including existing flood defences	L1	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate											
		P Maintain as is at Halling, degradation of landscape visual quality as defences fail	P Maintain as is but increased defences	P Loss of river valley features Improved visual quality, more 'natural' shoreline elsewhere	P Degradation of visual quality as remaining defences fail, loss of river valley landscape features, Improved visual quality, more 'natural' shoreline elsewhere	P Maintain as is but increased defences	P Loss of river valley features Improved visual quality, more 'natural' shoreline elsewhere	P Degradation of visual quality as remaining defences fail, loss of river valley landscape features, Improved visual quality, more 'natural' shoreline elsewhere	P Maintain as is but increased defences	P Loss of river valley features Improved visual quality, more 'natural' shoreline elsewhere	P Loss of river valley features Improved visual quality, more 'natural' shoreline elsewhere		

NORTH HALLING TO SNODLAND										
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)		
		NAI (Baseline)	HTL	MR	NAI (Baseline)	HTL	MR	NAI (Baseline)	HTL	MR
		Defences at Halling remain, failure of defences elsewhere	Maintain / improve defences	Secondary defences	Failure of defences at Halling	Maintain / improve defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences
Y		3	11	6	1	11	6	1	11	6
P		1	1	4	1	1	4	1	1	4
N		13	5	7	15	5	7	15	5	7
Weighted Score		9	25	20.5	5	25	20.5	5	25	20.5

SNODLAND TO ALLINGTON LOCK																	
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)					
		NAI (Baseline)		HTL	MR		NAI (Baseline)		HTL	MR		NAI (Baseline)		HTL	MR		
		Defences remain between Aylesford Station and Allington Lock, remaining defences fail		Maintain / improve defences	Secondary defences		Defences fail between Aylesford and Allington Lock		Maintain / improve defences	Maintain / improve secondary defences		No defences		Maintain / improve defences	Maintain / improve secondary defences		
Residential properties in New Hythe, Lunsford, Leybourne Lakes and Aylesford	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works															
		N	Damage / loss of properties	Y	No loss	Y	No loss as defences seaward of roads	N	Damage / loss of properties	Y	No loss	Y	No loss as defences seaward of roads	N	Damage / loss of properties	Y	No loss
Commercial properties – businesses in New Hythe, Lunsford, Leybourne Lakes and Aylesford	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works															
		N	Damage / loss of properties	Y	No loss	Y	No loss	N	Damage / loss of properties	Y	No loss	Y	No loss	N	Damage / loss of properties	Y	No loss
Community facilities in New Hythe, Lunsford, Leybourne Lakes and Aylesford (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works															
		N	Damage / loss of facilities	Y	No loss	Y	No loss as defences seaward of roads	N	Damage / loss of facilities	Y	No loss	Y	No loss as defences seaward of roads	N	Damage / loss of facilities	Y	No loss
Industrial areas, including paper mills at New Hythe	C1	OBJECTIVE: Prevent loss/ damage/ disruption to industrial areas															
		N	Damage to / loss of properties	Y	No loss	Y	No loss	N	Damage / loss of properties	Y	No loss	Y	No loss	N	Damage to / loss of properties	Y	No loss
Major infrastructure e.g. local roads, M20, A228, Aylesford Bridge and Aylesford New Bridge, main railway line and station, electricity pylons, Sewage Treatment Works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding															
		N	Damage / disruption to railway	Y	No loss	Y	No loss	N	Damage / loss of railway	Y	No loss	Y	No loss	N	Damage / loss of infrastructure	Y	No loss
Leybourne Lakes,	E3	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create freshwater habitat															

SNODLAND TO ALLINGTON LOCK																			
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)					
		NAI (Baseline)		HTL		MR		NAI (Baseline)		HTL		MR		NAI (Baseline)		HTL		MR	
		Defences remain between Aylesford Station and Allington Lock, remaining defences fail		Maintain / improve defences		Secondary defences		Defences fail between Aylesford and Allington Lock		Maintain / improve defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve secondary defences	
including Abbey Meads lake		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage/ disruption to Leybourne Lakes through flooding																	
		N	Loss of freshwater habitats and lakes as defences fail	Y	No loss of freshwater habitat or lakes	N	Loss of freshwater habitats and lakes	N	Loss of freshwater habitats and lakes with further inundation	Y	No loss of freshwater habitat or lakes	N	Loss of freshwater habitats and lakes	N	Loss of freshwater habitats and lakes	Y	No loss of freshwater habitat or lakes	N	Loss of freshwater habitats and lakes
		OBJECTIVE 3: Promote biodiversity opportunities to enhance / create intertidal / brackish habitat																	
		Y	Opportunities to create habitat	N	No opportunities	Y	Opportunities to create habitat	Y	Opportunities to create habitat	N	No opportunities	Y	Opportunities to create habitat	Y	Opportunities to create habitat	N	No opportunities	Y	Opportunities to create habitat
Public Footpaths, including along riverside	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		N	Disruption to / loss of footpaths as defences fail	Y	No loss	P	Disruption to existing footpath, opportunities for new footpath on retreated defences	N	Loss of footpaths	Y	No loss	P	Disruption to existing footpath, opportunities for new footpath on retreated defences	N	Loss of footpaths	Y	No loss	P	Disruption to existing footpath, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement
Aylesford Conservation Area, including Aylesford Bridge	G2	OBJECTIVE 1: Prevent loss/ damage to Conservation Area and SM from flooding and flood risk management works																	
		Y	No damage / loss	Y	No loss	Y	No loss	N	Damage to / loss of SM and Conservation Area	Y	No loss	Y	No loss	N	Damage to / loss of SM and Conservation Area	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																	

SNODLAND TO ALLINGTON LOCK																			
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)							
		NAI (Baseline)		HTL		MR	NAI (Baseline)		HTL		MR	NAI (Baseline)		HTL		MR			
		Defences remain between Aylesford Station and Allington Lock, remaining defences fail		Maintain / improve defences		Secondary defences	Defences fail between Aylesford and Allington Lock		Maintain / improve defences		Maintain / improve secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences			
		Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds
Landscape of the river valley, including existing defences	L1	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																	
		N	Degradation of river landscape quality as defences fail	P	Maintain as is but increased defences	P	Loss of features in the existing river valley, visual amenity not compromised	N	Loss of features in the existing river valley, visual amenity compromised	P	Maintain as is but increased defences	P	Loss of features in the existing river valley, visual amenity not compromised	N	Loss of features in the existing river valley, visual amenity compromised	P	Maintain as is but increased defences	P	Loss of features in the existing river valley, visual amenity not compromised
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																	
		N	Access to foreshore disrupted	Y	No loss to recreation facilities	P	Potential disruption to recreation facilities dependant on realignment position	N	Access to foreshore disrupted	Y	No loss to recreation facilities	P	Potential disruption to recreation facilities dependant on realignment position	N	Access to foreshore disrupted	Y	No loss to recreation facilities	P	Potential disruption to recreation facilities dependant on realignment position
Y		3		11		9		2		11		9		2		11		9	
P		0		1		3		0		1		3		0		1		3	
N		12		3		3		13		3		3		13		3		3	
Weighted Score		6		31		28.5		3		31		28.5		3		31		28.5	

ALLINGTON LOCK TO NORTH WOULDHAM																	
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)					
		NAI (Baseline)		HTL		MR (Location 2: discrete locations upstream)	NAI (Baseline)		HTL		MR (Locations 1: whole frontage and 2: discrete locations upstream)	NAI (Baseline)		HTL		MR (Locations 1: whole frontage and 2: discrete locations upstream)	
		Defences fail		Maintain / improve defences			No defences		Maintain / improve defences		Secondary defences	No defences		Maintain / improve defences		Secondary defences	
Residential properties at Forstal and Aylesford	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works															
		N	Loss of properties as defences fail	Y	No loss	Y	2. No loss	N	Loss of properties with further inundation	Y	No loss	P	1. Possible loss / damage dependant on realignment position 2. No loss	N	Loss of properties	Y	No loss
Residential propoerties near to Burham and on the edge of Wouldham	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works															
		N	Loss of properties as defences fail	Y	No loss	Y	2. No loss	N	Loss of properties with further inundation	Y	No loss	P	1. Potential loss dependant on realignment position 2. No loss	N	Loss of properties	Y	No loss
Commercial properties – businesses in Forstal and Aylesford	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works															
		N	Loss of properties as defences fail	Y	No loss	Y	2. No loss	N	Loss of properties with further inundation	Y	No loss	P	1. Possible loss / damage dependant on realignment position 2. No loss	N	Loss of properties	Y	No loss
Community facilities in Forstal and Aylesford (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works															
		N	Loss of facilities as defences fail	Y	No loss	Y	2. No loss	N	Loss of facilities with further inundation	Y	No loss	P	1. Possible loss / damage dependant on realignment position 2. No loss	N	Loss of facilities	Y	No loss
Industrial Areas in Forstal and Aylesford	C2	OBJECTIVE: Prevent loss/ damage/ disruption to industrial areas															
		N	Loss of industrial areas as defences fail	Y	No loss	Y	2. No loss	N	Loss of industrial areas with further inundation	Y	No loss	P	1. Possible loss / damage dependant on realignment position 2. No loss	N	Loss of industrial areas	Y	No loss

ALLINGTON LOCK TO NORTH WOULDHAM																			
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)							
		NAI (Baseline)		HTL		MR (Location 2: discrete locations upstream)	NAI (Baseline)		HTL		MR (Locations 1: whole frontage and 2: discrete locations upstream)	NAI (Baseline)		HTL		MR (Locations 1: whole frontage and 2: discrete locations upstream)			
		Defences fail		Maintain / improve defences			No defences		Maintain / improve defences		Secondary defences		No defences		Maintain / improve defences		Secondary defences		
Major infrastructure e.g. local roads, bridges e.g. Aylesford Bridge, electricity pylons, Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																	
		N	Loss of infrastructure as defences fail	Y	No loss	Y	2. No loss	N	Loss of infrastructure with further inundation	Y	No loss	P	1. Possible loss / damage dependant on realignment position Y 2. No loss	N	Loss of infrastructure	Y	No loss	P	1. Possible loss / damage dependant on realignment position Y 2. No loss
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																	
		N	Reduced potential of Grade 2 and 3 land as defences fail	Y	No loss	N	2. Loss of Grade 3 land	N	Loss of Grade 2 and 3 land with further inundation	Y	No loss	N	1. Loss of Grade 2 and Grade 3 land N 2. Loss of Grade 3 land	N	Loss of Grade 2 and 3 land	Y	No loss	N	1. Loss of Grade 2 and Grade 3 land N 2. Loss of Grade 3 land
Public footpaths, including along tidal embankments, Medway valley walk	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		N	Disruption to / loss of footpaths as defences fail	Y	No loss	P	2. Disruption to existing footpath, opportunities for new footpath on retreated defences	N	Footpaths lost	Y	No loss	P	1. Disruption to existing footpath, opportunities for new footpath on retreated defences P 2. As above	N	Footpaths lost	Y	No loss	P	1. Disruption to existing footpath, opportunities for new footpath on retreated defences P 2. As above
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunity	Y	Opportunity to enhance	Y	2. Opportunity to enhance	N	No opportunity	Y	Opportunity to enhance	Y	1. Opportunity to enhance Y 2. As above	N	No opportunity	Y	Opportunity to enhance	Y	1. Opportunity to enhance Y 2. As above
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																	
		N	Loss of access to foreshore as defences fail	Y	No loss	P	2. Possible loss / damage dependant on realignment position	N	Loss of access to foreshore with further inundation	Y	No loss	P	1. Possible loss / damage dependant on realignment position P 2. Possible loss / damage dependant on	N	Loss of access to foreshore	Y	No loss	P	1. Possible loss / damage dependant on realignment position P 2. Possible loss / damage dependant on

ALLINGTON LOCK TO NORTH WOULDHAM																				
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)												
		NAI (Baseline)		HTL	MR (Location 2: discrete locations upstream)	NAI (Baseline)		HTL	MR (Locations 1: whole frontage and 2: discrete locations upstream)	NAI (Baseline)		HTL	MR (Locations 1: whole frontage and 2: discrete locations upstream)							
		Defences fail		Maintain / improve defences			No defences		Maintain / improve defences		Secondary defences		No defences		Maintain / improve defences		Secondary defences			
Marshes, Wouldham SNCI		N	No opportunities	N	No opportunities	N	2. No opportunities	N	No opportunities	N	No opportunities	N	1. No opportunities 2. No opportunities	N	No opportunities	N	No opportunities	N	1. No opportunities 2. No opportunities	
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																		
		N	Loss of existing freshwater habitats as defences fail,	Y	No loss	N	2. Loss of existing freshwater habitats,	N	Loss of habitat with further inundation,	Y	No loss	N	1. Loss of existing freshwater habitats, 2. Loss of existing freshwater habitats	N	Loss of habitat with further inundation,	Y	No loss	N	1. Loss of existing freshwater habitats, 2. Loss of existing freshwater habitats	
		OBJECTIVE 3: Promote biodiversity opportunities to enhance / create intertidal / brackish habitat																		
		Y	Opportunity to create habitat	N	No opportunity	Y	2. Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	Y	1. Opportunity to create habitat 2. Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	Y	1. Opportunity to create habitat 2. Opportunity to create habitat	
Burham Marshes	E3	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create freshwater habitat																		
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																		
		N	Loss of existing freshwater habitats as defences fail,	Y	No loss of habitat	N	2. Loss of existing freshwater habitats,	N	Loss of habitat with further inundation,	Y	No loss of habitat	N	1. Loss of existing freshwater habitats 2. Loss of existing freshwater habitats,	N	Loss of habitat with further inundation,	Y	No loss of habitat	N	1. Loss of existing freshwater habitats 2. Loss of existing freshwater habitats,	
OBJECTIVE 3: Promote biodiversity opportunities to enhance / intertidal / brackish habitat																				
		Y	Opportunity to create habitat	N	No opportunity	Y	2. Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	Y	1. Opportunity to create habitat 2. Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	Y	1. Opportunity to create habitat 2. Opportunity to create habitat	
Rough Grass Land	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create habitat																		

ALLINGTON LOCK TO NORTH WOULDHAM																							
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)															
		NAI (Baseline)		HTL	MR (Location 2: discrete locations upstream)	NAI (Baseline)		HTL	MR (Locations 1: whole frontage and 2: discrete locations upstream)	NAI (Baseline)		HTL	MR (Locations 1: whole frontage and 2: discrete locations upstream)										
		Defences fail		Maintain / improve defences		No defences		Maintain / improve defences	Secondary defences	No defences		Maintain / improve defences	Secondary defences										
adjacent to Burham marshes		N	No opportunities	N	No opportunities	N	2. No opportunities	N	No opportunities	N	No opportunities	N	1. No opportunities 2. No opportunities	N	No opportunities	N	No opportunities	N	1. No opportunities 2. No opportunities				
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																					
		N	Loss of existing habitats as defences fail,	Y	No loss of habitat	P	2. Potential loss of existing habitats, dependant on realignment position	N	Loss of habitat with further inundation,	Y	No loss of habitat	P	1. Potential loss of existing habitats, dependant on realignment position P 2. Potential loss of existing habitats, dependant on realignment position	N	Loss of habitat with further inundation,	Y	No loss of habitat	P	1. Potential loss of existing habitats, dependant on realignment position P 2. Potential loss of existing habitats, dependant on realignment position				
Eccles Old Pits SNCI	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create habitat																					
		N	No opportunities	N	No opportunities	N	2. No opportunities	N	No opportunities	N	No opportunities	N	1. No opportunities 2. As above	N	No opportunities	N	No opportunities	N	1. No opportunities 2. As above				
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																					
		Y	No loss	Y	No loss	Y	2. No loss	Y	No loss	Y	No loss	Y	1. No loss 2. No loss	Y	No loss	Y	No loss	Y	1. No loss 2. No loss				
Y		3		16		13		3		16		5		12		3		16		6		12	
P		0		1		4		0		1		10		4		0		1		9		4	
N		21		7		7		21		7		9		8		21		7		9		8	
Weighted Score		4		38		33		4		38		22		33		4		38		22		33	

WOULDHAM MARSHES																			
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)							
		NAI (Baseline)		HTL		MR	NAI (Baseline)		HTL		MR	NAI (Baseline)		HTL		MR			
		Defences fail		Maintain / improve defences		Secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences	No defences		Maintain / improve defences		Maintain / improve secondary defences			
Residential properties near to Burham and on the edge of Wouldham	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																	
		N	Loss of properties as defences fail	Y	No loss	Y	No loss	N	Loss of properties with further inundation	Y	No loss	Y	No loss	N	Loss of properties	Y	No loss	Y	No loss
Major infrastructure e.g. local roads, bridges e.g. Aylesford Bridge, electricity pylons, Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																	
		N	Loss of infrastructure as defences fail	Y	No loss	Y	No loss	N	Loss of infrastructure with further inundation	Y	No loss	Y	No loss	N	Loss of infrastructure	Y	No loss	Y	No loss
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																	
		N	Reduced potential of / loss of agricultural land as defences fail	Y	No loss	N	Loss of Grade 2 and Grade 4 land	N	Reduced potential of / loss of agricultural land with further inundation	Y	No loss	N	Loss of Grade 2 and Grade 4 land	N	Loss of agricultural land	Y	No loss	N	Loss of Grade 2 and Grade 4 land
Public footpaths, including along tidal embankments, Medway valley walk	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		N	Disruption to /loss of some sections of footpath as defences fail	Y	No loss	P	Disruption to existing footpaths, opportunities for new footpath on retreated defences	N	Loss of some sections of footpath with further inundation	Y	No loss	P	Disruption to existing footpaths, opportunities for new footpath on retreated defences	N	Loss of some sections of footpath	Y	No loss	P	Disruption to existing footpaths, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																	
		N	Loss of access to river / disruption to recreation as defences fail	Y	No loss	Y	No loss	N	Loss of access to river / disruption to recreation with further inundation	Y	No loss	Y	No loss	N	Loss of access to river / disruption to recreation	Y	No loss	Y	No loss

WOULDHAM MARSHES													
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)					
		NAI (Baseline)	HTL	MR	NAI (Baseline)	HTL	MR	NAI (Baseline)	HTL	MR			
		Defences fail	Maintain / improve defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve secondary defences			
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate											
		Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey, record and monitor finds
Landscape of the river and marshes, including existing defences	L1	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate											
		P	Some landscape features lost, visual quality of river and marsh landscape remains	P	Maintain as is but increased defences	P	Some landscape features lost, visual quality of river and marsh landscape remains	P	Some landscape features lost, visual quality of river and marsh landscape remains	P	Maintain as is but increased defences	P	Some landscape features lost, visual quality of river and marsh landscape remains
River Medway and Marshes, Wouldham SNCI	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create freshwater habitat											
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works											
		N	Loss of existing freshwater habitats as defences fail,	Y	No loss	N	Loss of existing freshwater habitats	N	Loss of habitat with further inundation,	Y	No loss	N	Loss of existing freshwater habitats,
Y		1		8		5		1		8		5	
P		1		1		2		1		1		2	
N		8		1		3		8		1		3	
Weighted Score		4		22		19		4		22		19	

MEDWAY BRIDGE TO WEST ST MARY'S ISLAND																			
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)					
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL	
		Defences remain		Maintain / improve existing defences		Seaward defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		No defences		Maintain / improve defences		Maintain / improve seaward defences	
Residential properties at St Mary's Island	H1	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of properties as defences fail	Y	No loss	Y	No loss	N	Loss of properties with further inundation	Y	No loss	Y	No loss
Commercial properties along Rochester waterfront and at St Mary's Island	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of commercial properties	Y	No loss	Y	No loss	N	Loss of commercial properties	Y	No loss	Y	No loss
Community facilities at St Mary's Island	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of community facilities	Y	No loss	Y	No loss	N	Loss of community facilities	Y	No loss	Y	No loss
Future residential areas at Rochester Riverside	H2	OBJECTIVE: Prevent loss/ damage to Rochester Riverside from flooding or flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	N	Loss of areas	Y	No loss	Y	No loss	N	Loss of areas	Y	No loss	Y	No loss
Chatham Dock	F1	OBJECTIVE: Prevent loss/ damage/ disruption to Chatham Dock from flooding																	
		Y	No loss	Y	No loss	Y	No loss	N	Disruption to / damage to dock yard as defences fail	Y	No loss	Y	No loss	N	Loss of dock yard, with increased erosion / flooding	Y	No loss	Y	No loss
Major infrastructure e.g. local roads, Medway Tunnel, railway line, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																	
		Y	No loss	Y	No loss	Y	No loss	N	Disruption to / damage to infrastructure as defences fail	Y	No loss	Y	No loss	N	Loss of infrastructure with increased flooding / erosion	Y	No loss	Y	No loss
Water recreation facilities and associated business, including Thunderbolt pier (Historic dockyard), the Esplanade (Rochester), Sun Pier (Chatham), marina and moorings, public slipways	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works. Seek opportunities to enhance features where appropriate																	
		Y	No loss	Y	No loss	N	Loss of moorings, reduced channel width compromises safe navigation	N	Disrupt / damage to recreation facilities as defences fail	Y	No loss	N	Loss of moorings, reduced channel width compromises safe navigation	N	Loss of recreation facilities	Y	No loss	N	Loss of moorings, reduced channel width compromises safe navigation
Public footpaths, including along tidal embankments, Medway	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	N	Potential for disruption to	Y	No loss	Y	No loss	N	Loss of footpaths	Y	No loss	Y	No loss, opportunities for

ST MARY'S ISLAND TO THE STRAND																				
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)				50-100 (up to 2105)								
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR
		Defences remain		Maintain / improve existing defences		Seaward defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Secondary defences
Residential properties along Gillingham waterfront	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																		
		Y	No loss	Y	No loss	Y	No loss	N	Possible damage to properties as defences fail, however most properties landward of A289	Y	No loss	Y	No loss	N	Possible damage to properties with further inundation, however most properties landward of A289	Y	No loss	Y	No loss	P
Commercial properties along Gillingham waterfront	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																		
		Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of properties as defences fail	Y	No loss	Y	No loss	N	Loss of properties with further inundation	Y	No loss	Y	No loss	N
Community facilities along Gillingham waterfront	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																		
		Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of facilities as defences fail	Y	No loss	Y	No loss	N	Loss of facilities with further inundation	Y	No loss	Y	No loss	N
Major infrastructure e.g. local roads, bridges, services and communications	F3	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																		
		Y	No loss	Y	No loss	Y	No loss	N	Disruption to / damage to infrastructure as defences fail	Y	No loss	Y	No loss	N	Loss of infrastructure with further inundation	Y	No loss	Y	No loss	N
Public footpaths, including Saxon Shore Way	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																		
		Y	No loss	Y	No loss	Y	No loss,	N	Loss of public footpaths on or near defences	Y	No loss	Y	No loss	N	Loss of public footpaths on or near defences	Y	No loss	Y	No loss	P

ST MARY'S ISLAND TO THE STRAND																					
Feature	Rank	0-20 (up to 2025)					20-50 (up to 2055)					50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL	NAI (Baseline)		HTL		ATL	NAI (Baseline)		HTL	ATL	MR					
		Defences remain		Maintain / improve existing defences		Seaward defences	Defences fail		Maintain / improve defences		Maintain / improve seaward defences	No defences		Maintain / improve defences	Maintain / improve seaward defences	Secondary defences					
OBJECTIVE 2: Seek opportunities to enhance features where appropriate																					
		N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement
Facilities for recreation on the river, and associated business, including Gillingham Pier, marina, The Strand, Riverside Country Park, moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works. Seek opportunities to enhance features where appropriate																			
		Y	No loss	Y	No loss	N	Loss of moorings, reduced channel width compromises safe navigation	N	Disrupt / damage to recreation facilities as defences fail	Y	No loss	N	Loss of moorings, reduced channel width compromises safe navigation	N	Loss of recreation facilities	Y	No loss	N	Loss of moorings, reduced channel width compromises safe navigation	N	Loss of facilities
Intertidal Habitat, including saltmarsh islands	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																			
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																			
		P	Loss of habitat in historically eroding areas, accretion in others	P	Loss of habitat in historically eroding areas, accretion in others	N	Loss of intertidal habitat	Y	No net loss	P	Loss of habitat in historically eroding areas and in confined areas with coastal squeeze, accretion in others	N	Loss of intertidal habitat	Y	No net loss	N	Net loss of intertidal habitat with coastal squeeze	N	Loss of intertidal habitat	Y	No net loss
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																			
		Y	Loss from intertidal area ok as long as survey, record and monitor	Y	Loss from intertidal area ok as long as survey, record and monitor	Y	Loss from intertidal area ok as long as survey, record and monitor	N	Loss of heritage not acceptable	Y	Loss from intertidal area ok as long as survey, record and monitor	Y	Loss from intertidal area ok as long as survey, record and monitor	N	Loss of heritage not acceptable	Y	Loss from intertidal area ok as long as survey, record and monitor	Y	Loss from intertidal area ok as long as survey, record and monitor	N	Loss of heritage not acceptable
Landscape of the estuary, open spaces and developed areas,	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																			
		Y	Maintain as is	P	Maintain as is	N	Hard	N	Degradation of	P	Maintain as is	N	Hard	N	Degradation of	P	Maintain as is	N	Hard	Y	Opportunity to

ST MARY'S ISLAND TO THE STRAND											
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)			50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	NAI (Baseline)	HTL	ATL	NAI (Baseline)	HTL	ATL	MR
		Defences remain	Maintain / improve existing defences	Seaward defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Secondary defences
including existing defences		is	but increased defences	defences, impacts on visual landscape of river and urban area	landscape quality as defences fail	but increased defences	defences, impacts on visual landscape of river and urban area	landscape quality	but increased defences	defences, impacts on visual landscape of river and urban area	enhance visual quality of landscape
Y		8	8	7	1	8	7	1	8	7	3
P		1	2	0	0	2	0	0	1	0	2
N		2	1	4	10	1	4	10	2	4	6
Weighted Score		21	21.5	15	4	21.5	15	4	19.5	15	11.5

THE STRAND TO WEST MOTNEY HILL																		
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)								
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR					
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences					
Residential properties along Gillingham waterfront	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y
Commercial properties along Gillingham waterfront	C3	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N
Community facilities along Gillingham waterfront	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N
Residential properties at edge of Lower Twydall	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of some properties as defences fail	Y	No loss	Y	No loss	Y	No loss	N
Major infrastructure e.g. local roads, bridges, services and communications	F3	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of A289	Y	No loss	Y	No loss	Y	No loss	N
Public footpaths, including Saxon Shore Way	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on	N	Loss of footpaths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on	N

THE STRAND TO WEST MOTNEY HILL																											
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)																	
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR														
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences														
							retreated defences												retreated defences								
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																									
		N	No opportunity	Y	Opportunity to enhance	Y	Opportunity to enhance	Y	Opportunity to enhance	N	No opportunity	Y	Opportunity to enhance	Y	Opportunity to enhance	Y	Opportunity to enhance	N	No opportunity	Y	Opportunity to enhance	Y	Opportunity to enhance	Y	Opportunity to enhance	Y	Opportunity to enhance
Facilities for recreation on the river, and associated business, including Gillingham Pier, marina, The Strand, Riverside Country Park, moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																									
		Y	No loss	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Disruption, damage to facilities	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Loss of facilities	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position		
Intertidal Habitat, including saltmarsh islands	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																									
		N	No opportunity	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunity	N	No opportunity	Y	Opportunity to create habitat		
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																									
		P	Some erosion in historically eroding areas, however also accretion in other areas	P	Some erosion due in historically eroding areas, however also accretion in other areas	N	Loss of intertidal habitat	Y	No net loss	Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat with coastal squeeze	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze	N	Loss of intertidal habitat with coastal squeeze	Y	No net loss		
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																									
		Y	Loss ok	Y	Loss ok as	Y	Wrecks	Y	Loss ok as	Y	Loss ok as	Y	Loss ok as	Y	Wrecks	Y	Loss ok as	Y	Loss ok as	Y	Loss ok as	Y	Loss ok as	Y	Wrecks	Y	Loss ok as

THE STRAND TO WEST MOTNEY HILL																							
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)													
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR										
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences										
		as long as survey and record finds	long as survey and record finds and monitor	may constrain, loss ok as long as survey and record finds and monitor	long as survey and record finds and monitor	long as survey and record finds	long as survey and record finds and monitor	may constrain, loss ok as long as survey and record finds and monitor	long as survey and record finds and monitor	long as survey and record finds	long as survey and record finds and monitor	may constrain, loss ok as long as survey and record finds and monitor	long as survey and record finds and monitor										
Landscape of the estuary, open spaces and developed areas, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																					
		Y	Maintain as is	P	Maintain as is but increased defences	N	Hard defences, impacts on visual landscape of river and urban area	P	Loss of some landscape features, however visual landscape amenity not compromised	P	Loss of some landscape features, however visual landscape amenity not compromised	P	Maintain as is but increased defences	N	Hard defences, impacts on visual landscape of river and urban area	P	Loss of some landscape features, however visual landscape amenity not compromised	P	Loss of some landscape features, however visual landscape amenity not compromised	P	Maintain as is but increased defences	N	Hard defences, visual landscape impacts
Y		9	9	9	9	4	9	9	9	4	9	9	9										
P		1	2	0	3	1	2	0	3	1	1	0	3										
N		2	1	3	0	7	1	3	0	7	2	3	0										
Weighted Score		24	24.5	21	26	11.5	34.5	21	26	11.5	22.5	21	26										

MOTNEY HILL TO HAM GREEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences								
Residential properties on edge of Wetham Green and Bayford and Lower Halstow	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss, defences seaward of properties	N	Damage to / loss of properties at Bayford as defences fail	Y	No loss	Y	No loss	Y	No loss, defences seaward of properties	N	Loss of other properties with further inundation	Y	No loss	Y	No loss	Y	No loss, defences seaward of properties
Commercial properties at Otterham Creek	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	P	Possible disruption to commercial interests	Y	No loss, defences seaward of properties	N	Damage to / loss of commercial properties as defences fail	Y	No loss	P	Possible disruption to commercial interests	Y	No loss, defences seaward of properties	N	Loss of commercial properties with further inundation	Y	No loss	P	Possible disruption to commercial interests	Y	No loss, defences seaward of properties
Major infrastructure e.g. local roads, A249, Kingsferry Bridge, Motney Hill Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Loss of infrastructure as all defences fail	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Loss of infrastructure with further inundation and erosion at Bedlams Bottom	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position
Intertidal Habitat, including saltmarsh islands e.g. Burntwick Island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No opportunity	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation in some areas	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation in some areas	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Some erosion due to	P	Some erosion due to coastal	N	Loss of intertidal habitat as	Y	No net loss	Y	No net loss	P	Some erosion due to coastal	N	Loss of intertidal habitat as	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due	N	Loss of intertidal habitat as	Y	No net loss

MOTNEY HILL TO HAM GREEN																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
			coastal squeeze, however also accretion in other areas		squeeze, however also accretion in other areas		defences positioned seaward				squeeze, however also accretion in other areas		defences positioned seaward								to coastal squeeze		defences positioned seaward		
Coastal Grazing marsh habitat (including habitat on the flood defence embankments) and reedbed	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																							
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							
		Y	No net loss	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat as all defences fail	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No loss of habitat	Y	No net loss	N	Loss of habitat
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		Y	No loss	Y	No loss	Y	No loss	N	Loss of Grades 1, 2, 3 and 4 land	N	Loss / reduced potential of Grades 1, 2, 3 and 4 agricultural land as all defences fail	Y	No loss	Y	No loss	N	Loss of Grades 1, 2, 3 and 4 land	N	Loss / reduced potential of Grades 1, 2, 3 and 4 agricultural land with further inundation and erosion	Y	No loss	Y	No loss	N	Loss of Grades 1, 2, 3 and 4 land
Facilities for recreation on the river, and associated	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							

MOTNEY HILL TO HAM GREEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
business, including moorings and slipways, access to foreshore and river (including for fishing)		Y	No loss	Y	No loss	N	Loss of moorings	P	Possible loss dependant on realignment position	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings	P	Possible loss dependant on realignment position	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings	P	Possible loss dependant on realignment position
Public footpath along shoreline, including on sea defence embankments, including Saxon Shore Way, community amenity land at Lower Halstow	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunities	Y	Opportunities to enhance	Y	Opportunities to enhance	Y	Opportunities to enhance	N	No opportunities	Y	Opportunities to enhance	Y	Opportunities to enhance	Y	Opportunities to enhance	N	No opportunities	Y	Opportunities to enhance	Y	Opportunities to enhance	Y	Opportunities to enhance
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Maintain as is	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of	P	Loss of some estuary landscape features, maintain visual quality of	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of	P	Loss of some estuary landscape features, maintain visual quality of	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of

MOTNEY HILL TO HAM GREEN																			
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)									
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR						
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences						
						landscape, but with retreated defences		landscape, but with retreated defences					landscape, but with retreated defences		landscape, but with retreated defences		landscape, but with retreated defences		
Lower Halstow Conservation Area	G2	OBJECTIVE 1: Prevent loss/ damage to Conservation Area from flooding and flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Lower Halstow Brickworks	E4	OBJECTIVE 1: Prevent loss/ damage to from flooding and flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Y		11	11	9	8	5	11	9	8	5	11	9	8	5	11	9	8		
P		1	2	2	4	1	2	2	4	1	1	2	4	1	1	2	4		
N		5	4	6	5	11	4	6	5	11	5	6	5	11	5	6	5		
Weighted Score		29	29.5	23	26.5	14.5	29.5	23	26.5	14.5	27.5	23	26.5	14.5	27.5	23	26.5		

HAM GREEN TO EAST OF UPCHURCH																											
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)																	
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR														
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences														
Residential properties on edge of Wetham Green and Bayford and Lower Halstow	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																									
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	P	Possible loss of 1 property	Y	No loss	Y	No loss	Y	No loss	N	Loss of 1 property as shoreline erodes	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Major infrastructure e.g. local roads, A249, Kingsferry Bridge, Motney Hill Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																									
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Intertidal Habitat, including saltmarsh islands e.g. Burntwick Island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																									
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																									
		P	Some erosion due to coastal squeeze, however also accretion in other areas	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss		
Coastal Grazing marsh habitat (including habitat on the flood defence embankments) and reedbed	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																									
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for	N	No opportunity

HAM GREEN TO EAST OF UPCHURCH																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR									
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Visual amenity maintain as is	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences
Lower Halstow Conservation Area	G2	OBJECTIVE 1: Prevent loss/ damage to Conservation Area from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Lower Halstow Brickworks	E4	OBJECTIVE 1: Prevent loss/ damage to from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Y		10		10		9		8		8		10		9		8		8		10		9		8	
P		1		2		1		3		3		2		1		3		0		1		1		3	
N		5		4		6		5		5		4		6		5		8		5		6		5	

HAM GREEN TO EAST OF UPCHURCH													
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences
Weighted Score		26	26.5	21.5	24	24.5	26.5	21.5	24	21	24.5	21.5	24

EAST OF UPCHURCH TO EAST LOWER HALSTOW																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
Residential properties on edge of Wetham Green and Bayford and Lower Halstow	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss defences seaward of properties	N	Damage to / loss of properties at Bayford as defences fail	Y	No loss	Y	No loss	Y	No loss defences seaward of properties	N	Loss of other properties with further inundation	Y	No loss	Y	No loss	Y	No loss defences seaward of properties
Major infrastructure e.g. local roads, A249, Kingsferry Bridge, Motney Hill Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss defences seaward of infrastructure	N	Loss of infrastructure as all defences fail	Y	No loss	Y	No loss	Y	No loss defences seaward of infrastructure	N	Loss of infrastructure with further inundation and erosion at Bedlams Bottom	Y	No loss	Y	No loss	Y	No loss defences seaward of infrastructure
Intertidal Habitat, including saltmarsh islands e.g. Burntwick Island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No opportunity	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation in some areas	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat enhancement in some areas	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat enhancement in some areas
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Some erosion due to coastal squeeze, however also accretion in other areas	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																							
		N	No opportunity	N	No opportunity	P	Opportunity to create	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create	N	No opportunity

EAST OF UPCHURCH TO EAST LOWER HALSTOW																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
embankments) and reedbed		nity				habitat, however no habitat creation opportunities if reclaimed land used for development						habitat, however no habitat creation opportunities if reclaimed land used for development								habitat, however no habitat creation opportunities if reclaimed land used for development					
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							
		Y	No net loss	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat as all defences fail	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No loss of habitat	Y	No net loss	N	Loss of habitat
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		Y	No loss	Y	No loss	Y	No loss	N	Loss of Grade 1 land	N	Loss / reduced potential of Grade 1 agricultural land as all defences fail	Y	No loss	Y	No loss	N	Loss of Grade 1 land	N	Loss / reduced potential of Grade 1 agricultural land with further inundation and erosion	Y	No loss	Y	No loss	N	Loss of Grade 1 land
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	N	Loss of moorings	P	Possible loss dependant on realignment position	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings	P	Possible loss dependant on realignment position	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings	P	Possible loss dependant on realignment position
Public footpath along shoreline, including on sea defence embankments, including Saxon Shore Way,	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences,	N	Loss of footpaths as defences	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences,	N	Loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences,

EAST OF UPCHURCH TO EAST LOWER HALSTOW																									
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)									
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR								
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences								
community amenity land at Lower Halstow							opportunities for new footpath on retreated defences	fail						opportunities for new footpath on retreated defences					opportunities for new footpath on retreated defences						
	OBJECTIVE 2: Seek opportunities to enhance features where appropriate																								
	N	No opportunities	Y	Opportunities to enhance	Y	Opportunities to enhance	Y	Opportunities to enhance	N	No opportunities	Y	Opportunities to enhance	Y	Opportunities to enhance	Y	Opportunities to enhance	N	No opportunities	Y	Opportunities to enhance					
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor				
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Maintain as is	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	N	Loss of estuary landscape features	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	N	Loss of estuary landscape features	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences
Lower Halstow Conservation Area	G2	OBJECTIVE 1: Prevent loss/ damage to Conservation Area from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Loss of historic wharf	Y	No loss	Y	No loss	Y	No loss	N	Loss of historic wharf	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity				

EAST OF UPCHURCH TO EAST LOWER HALSTOW																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
Lower Halstow Brickworks	E4	OBJECTIVE 1: Prevent loss/ damage to from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Damage and loss of area as defences fail	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Loss of area with further inundation	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Y	10	10	9	7	3	10	9	9	3	10	9	9	3	10	9	7									
P	1	2	1	4	0	2	1	2	0	0	1	4													
N	5	4	6	5	13	4	6	5	13	6	6	5													
Weighted Score	26	26.5	18.5	24.5	9	26.5	18.5	24.5	9	24.5	18.5	24.5													

BARKSORE MARSHES																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences will fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
Residential properties on edge Lower Halstow	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss						
Major infrastructure e.g. local roads, A249, Kingsferry Bridge, Motney Hill Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss						
Intertidal Habitat, including saltmarsh islands e.g. Burntwick Island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation	Y	Opportunities for habitat creation						
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments) and reedbed	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																							
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							

BARKSORE MARSHES																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences will fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		N	Loss of habitat	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat as all defences fail	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No loss of habitat	Y	No net loss	N	Loss of habitat
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		N	Reduced potential / loss of Grade 3 land	Y	No loss	Y	No loss	N	Loss of Grade 3 land	N	Loss / reduced potential of Grades 3 agricultural land as all defences fail	Y	No loss	Y	No loss	N	Loss of Grade 3 land	N	Loss / reduced potential of Grades 3 agricultural land with further inundation and erosion	Y	No loss	Y	No loss	N	Loss of Grade 3 land
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	N	Loss of moorings	Y	No loss	Y	No loss	Y	No loss	N	Loss of moorings	Y	No loss	Y	No loss	Y	No loss	N	Loss of moorings	Y	No loss
Public footpath along shoreline, including on sea defence embankments, including Saxon Shore Way, community amenity land at Lower Halstow	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor

BARKSORE MARSHES																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences will fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	Y	Visual quality maintained, more natural shoreline	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	Y	Visual quality maintained, more natural shoreline	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	Y	Visual quality maintained, more natural shoreline
Lower Halstow Conservation Area	G2	OBJECTIVE 1: Prevent loss/ damage to Conservation Area from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Y		9	8	7	9	9	8	7	9	9	8	7	9	9	8	7	9								
P		0	2	1	0	0	2	1	0	0	1	0	1	0	1	0									
N		5	4	6	5	5	4	6	5	5	4	6	5	5	4	6									
Weighted Score		26	23.5	18.5	26	26	23.5	18.5	26	26	23.5	18.5	26	26	21.5	18.5	26								

FUNTON TO RASPBERRY HILL																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences around Chetney and Barksore Marshes will fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences around Chetney and Barksore Marshes, remaining defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Major infrastructure e.g. local roads, A249, Kingsferry Bridge, Motney Hill Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		N	Potential damage to / loss of local road	Y	No loss	Y	No loss	N	Loss of road	N	Potential damage to / loss of local road	Y	No loss	Y	No loss	N	Loss of road	N	Potential loss of local road	Y	No loss	Y	No loss	N	Loss of road
Intertidal Habitat, including saltmarsh islands e.g. Burntwick Island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation in some areas	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat enhancement in some areas	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat enhancement in some areas
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss
Y	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																							
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for	N	No opportunity

FUNTON TO RASPBERRY HILL																			
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)									
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR						
		Defences around Chetney and Barksore Marshes will fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences around Chetney and Barksore Marshes, remaining defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences						
					development														
OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																			
		Y	No net loss	Y	No loss of habitat		No net loss	Y	No net loss	Y	No net loss	Y	No loss	Y	No net loss	Y	No loss of habitat	Y	No net loss
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																	
		N	Reduced potential / loss of Grade 2 land	Y	No loss	Y	No loss	N	Loss of Grade 2 land	N	Loss / reduced potential of Grade 2 agricultural land	Y	No loss	Y	No loss	N	Loss of Grade 2 land	N	Loss / reduced potential of Grade 2 agricultural land
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Public footpath along shoreline, including on sea defence embankments, including Saxon Shore Way, community amenity land at Lower Halstow	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																	
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																	
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																	
		Y	Loss ok as long as survey and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and	Y	Loss ok as long as survey and record finds and

FUNTON TO RASPBERRY HILL																										
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)																
		NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR										
		Defences around Chetney and Barksore Marshes will fail		Maintain / improve existing defences	Seaward defences	Secondary defences	No defences around Chetney and Barksore Marshes, remaining defences will fail		Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences		Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences										
		record finds	monitor	monitor	monitor		monitor	monitor	monitor		monitor	monitor	monitor													
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																								
		Y	Visual quality maintained	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	
Y		7		6		6		6		7		6		6		6		7		6		6		6		6
P		0		2		1		1		0		2		1		1		0		1		1		1		1
N		4		3		4		4		4		3		4		4		4		4		4		4		4
Weighted Score		20		17.5		15.5		18.5		22		17.5		15.5		18.5		20		15.5		15.5		18.5		18.5

CHETNEY MARSHES																											
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR			
		Defences around Chetney and Barksore Marshes will fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences around Chetney and Barksore Marshes, remaining defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences			
Major infrastructure e.g. local roads, A249, Kingsferry Bridge, Motney Hill Sewage Treatment works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																									
		N	Damage to pylons and roads	Y	No loss	Y	No loss	Y	No loss defences seaward of infrastructure	N	Damage to pylons and roads	Y	No loss	Y	No loss	Y	No loss defences seaward of infrastructure	N	Damage to pylons and roads	Y	No loss	Y	No loss	Y	No loss defences seaward of infrastructure		
Intertidal Habitat, including saltmarsh islands e.g. Burntwick Island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																									
		Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation	Y	Opportunities for habitat creation	N	No opportunity	N	No opportunity	Y	Opportunities for habitat creation		
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																									
		Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	P	Some erosion due to coastal squeeze, however also accretion in other areas	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat due to coastal squeeze	N	Loss of intertidal habitat as defences positioned seaward	Y	No net loss		
Coastal Grazing marsh habitat (including habitat on the flood defence embankments) and reedbed	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh																									
		N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	P	Opportunity to create habitat, however no habitat creation opportunities if reclaimed land used for development	N	No opportunity
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																									

CHETNEY MARSHES																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences around Chetney and Barksore Marshes will fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences around Chetney and Barksore Marshes, remaining defences will fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		N	Loss of habitat	Y	No loss of habitat	Y	No net loss	N	Loss of habitat	N	Loss of habitat as all defences fail	Y	No loss of habitat	Y	No net loss	Y	No loss	N	Loss of habitat with further inundation	Y	No loss of habitat	Y	No net loss	Y	No loss
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		N	Reduced potential / loss of Grade 4 land	Y	No loss	Y	No loss	N	Loss of Grade 4 land	N	Loss / reduced potential of Grades 4 agricultural land as all defences fail	Y	No loss	Y	No loss	N	Loss of Grade 4 land	N	Loss / reduced potential of Grades 4 agricultural land with further inundation and erosion	Y	No loss	Y	No loss	N	Loss of Grade 4 land
Facilities for recreation on the river, and associated business, including moorings and slipways, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	N	Loss of moorings	Y	No loss	Y	No loss	Y	No loss	N	Loss of moorings	Y	No loss	Y	No loss	Y	No loss	N	Loss of moorings	Y	No loss
Public footpath along shoreline, including on sea defence embankments, including Saxon Shore Way, community amenity land at Lower Halstow	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		N	Loss of footpaths	Y	No loss	Y	No loss	P	Potential loss dependant on realignment position loss	N	Loss of footpaths	Y	No loss	Y	No loss	P	Potential loss dependant on realignment position loss	N	Loss of footpaths	Y	No loss	Y	No loss	P	Potential loss dependant on realignment position loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunities	Y	Opportunities	Y	Opportunities	Y	Opportunities	N	No opportunities	Y	Opportunities	Y	Opportunities	Y	Opportunities	N	No opportunities	Y	Opportunities	Y	Opportunities	Y	Opportunities
Non-statutory known and	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by																							

CHETNEY MARSHES																			
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)									
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR						
		Defences around Chetney and Barksore Marshes will fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences around Chetney and Barksore Marshes, remaining defences will fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences						
unknown heritage		record. Seek opportunities to enhance features where appropriate																	
		Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor	Y	Loss ok as long as survey and record finds and monitor
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																	
		Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	Y	Visual quality maintained, more natural shoreline	Y	Visual quality maintained, more natural shoreline	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	Y	Visual quality maintained, more natural shoreline	Y	Visual quality maintained, more natural shoreline
Y		5	7	6	7	5	7	6	8	5	7	6	8						
P		0	2	1	1	0	2	1	1	0	1	1	1						
N		6	2	4	3	6	2	4	2	6	3	4	2						
Weighted Score		15	19.5	14.5	21	15	19.5	14.5	21	15	17.5	14.5	21						

KINGSFERRY BRIDGE TO MILTON CREEK																							
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR	NAI (Baseline)		HTL		ATL		MR	NAI (Baseline)		HTL		ATL	MR		
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences	Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	No defences		Maintain / improve defences		Maintain / improve seaward defences	Maintain / improve secondary defences		
Industry along Milton Creek, Conyer Creek, Oare Creek and Faversham Creek, including wharfage	C2	OBJECTIVE: Prevent loss/ damage/ disruption to industrial areas from flooding																					
		Y	No loss of industry	Y	No loss of industry	Y	No loss of industry	P	Loss of industry, dependant on realignment position	N	Loss of industry on floodplain	Y	No loss of industry	Y	No loss of industry	P	Loss of industry, dependant on realignment position	N	Loss of further industry with further inundation	Y	No loss of industry	Y	No loss of industry
Ridham Dock Industrial Area, including wharfage	C2	OBJECTIVE: Prevent loss/ damage/ disruption to Ridham Dock industrial area from flooding																					
		Y	No loss / damage	Y	No loss / damage	Y	No loss / damage	P	Possible loss of / disruption to dock dependant on realignment position	N	Loss of dock as defences fail	Y	No loss / damage	Y	No loss / damage	P	Possible loss of / disruption to dock dependant on realignment position	N	Loss of dock	Y	No loss / damage	Y	No loss / damage
Major infrastructure e.g. local roads, bridges e.g. Brent Swing Bridge, A249, railway line and station, electricity pylons, Sewage Treatment Works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																					
		Y	No loss	Y	No loss	Y	No loss	P	Relocation of / loss of infrastructure, dependant on realignment position	N	Disruption / damage to infrastructure on the floodplain as defences fail	Y	No loss	Y	No loss	P	Relocation of / loss of infrastructure, dependant on realignment position	N	Loss of infrastructure on the floodplain	Y	No loss	Y	No loss
Agricultural Land at Coldharbour marshes, Tonge, Teynham , Luddenham	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																					
		Y	No loss	Y	No loss	Y	No loss	N	Loss of Grade 4 land	N	Reduced potential of agricultural land at Coldharbour Marshes as defences fail	Y	No loss	Y	No loss	N	Loss of Grade 4 land	N	Loss of agricultural land at Coldharbour Marshes with further inundation	Y	No loss	Y	No loss
Intertidal Habitat, including Fowley island	E1	OBJECTIVE 1: Promote biodiversity opportunities to create / enhance intertidal habitat																					
		N	No biodiversity opportunities	N	No biodiversity opportunities	N	No opportunity to create intertidal	Y	Biodiversity opportunities to create intertidal	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal	Y	Biodiversity opportunities to create intertidal	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal

KINGSFERRY BRIDGE TO MILTON CREEK																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
						habitat			habitat up to MHWS					habitat			habitat up to MHWS					habitat			habitat up to MHWS
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Loss of mudflat in historically eroding areas, accretion in others	P	Loss of mudflat in historically eroding areas, accretion in others	N	Habitat loss as defences constructed seaward, adverse effect on estuary processes	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward, adverse effect on estuary processes	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward, adverse effect on estuary processes	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to create / enhance coastal grazing marsh habitat																							
		N	No opportunities	N	No opportunities	P	Opportunity to create habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance habitat as long as reclaimed land not used for development	N	No opportunities
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							
		Y	No loss of habitat	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat
Landscape of the estuary, marshes and town and industrial areas, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding / risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Landscape maintained as is	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Loss of Industrial and historic estuary landscape features	N	Degradation of landscape quality as defences fail, loss of features	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Loss of Industrial and historic estuary landscape features	N	Loss of Industrial and historic estuary landscape features	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Loss of Industrial and historic estuary landscape features
Non-statutory known and	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record.																							

KINGSFERRY BRIDGE TO MILTON CREEK																									
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL	MR		NAI (Baseline)		HTL		ATL	MR		NAI (Baseline)	HTL	ATL	MR						
		Defences remain		Maintain / improve existing defences		Seaward defences	Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences	Maintain / improve secondary defences		No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences						
unknown heritage		Seek opportunities to enhance features where appropriate																							
		Y	No loss / damage	P	Potential loss of submerged heritage in areas of coastal squeeze, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage as defences fail, some loss ok along Swale as long as survey and record	P	Potential loss of submerged heritage in areas of coastal squeeze, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage as defences fail, some loss ok along Swale as long as survey and record	P	Potential loss of submerged heritage in areas of coastal squeeze, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor				
Facilities for recreation on the river, and associated business, including quayside frontages, creekside paths, moorings and slipways, access to foreshore and river (including for fishing) Also Oare marsh Nature Reserve, including facilities for disabled people.	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	N	Loss of moorings, channel width reduced compromising safe navigation	N	Loss of creekside paths	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings, channel width reduced compromising safe navigation	N	Loss of creekside paths	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings, channel width reduced compromising safe navigation	N	Loss of creekside paths
Public footpaths, including along shoreline on embankments (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Potential for disruption to footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Potential for loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No	Y	Opportuniti	Y	Opportuniti	Y	Opportuniti	N	No	Y	Opportuniti	Y	Opportuniti	Y	Opportuniti	N	No	Y	Opportuniti	Y	Opportuniti	Y	Opportuniti

KINGSFERRY BRIDGE TO MILTON CREEK																
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)						
		NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR	NAI (Baseline)		HTL	ATL	MR
		Defences remain		Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail		Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences		Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences
		opportunities	es for enhancement	es for enhancement	es for enhancement	opportunities	es for enhancement	es for enhancement	es for enhancement	opportunities	es for enhancement	es for enhancement	es for enhancement			
Y		9	8	7	3	2	8	7	3	2	8	7	2			
P		1	3	2	5	1	3	2	5	1	3	2	5			
N		3	2	4	5	10	2	4	5	10	2	4	5			
Weighted Score		24	24	20	16	8.5	24	20	16	8.5	24	20	16			

MILTON CREEK																							
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR	NAI (Baseline)		HTL		ATL		MR	NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences	Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties at Kemsley, Sittingbourne, Conyer, Oare and Faversham	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																					
		Y	No loss of properties	Y	No loss of properties	Y	No loss	P	Possible loss of properties dependant on realignment position	N	Loss of properties on floodplain	Y	No loss of properties	Y	No loss of properties	P	Possible loss of properties dependant on realignment position	N	Loss of properties with further inundation	Y	No loss of properties	Y	No loss of properties
Community facilities at Kemsley, Sittingbourne, Conyer, Oare and Faversham (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																					
		Y	No loss of facilities	Y	No loss of facilities	Y	No loss	P	Possible loss of facilities dependant on realignment position	N	Loss of facilities on floodplain	Y	No loss of facilities	Y	No loss of properties	P	Possible loss of facilities dependant on realignment position	N	Loss of facilities with further inundation	Y	No loss of facilities	Y	No loss of properties
Commercial properties at Kemsley, Sittingbourne, Conyer, Oare and Faversham	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																					
		Y	No loss of properties	Y	No loss of properties	Y	No loss	P	Possible loss of properties dependant on realignment position	N	Loss of properties on floodplain	Y	No loss of properties	Y	No loss of properties	P	Possible loss of properties dependant on realignment position	N	Loss of properties with further inundation	Y	No loss of properties	Y	No loss of properties
Industry along Milton Creek, Conyer Creek, Oare Creek and Faversham Creek, including wharfage	C2	OBJECTIVE: Prevent loss/ damage/ disruption to industrial areas from flooding																					
		Y	No loss of industry	Y	No loss of industry	Y	No loss of industry	P	Possible loss of industry dependant on realignment position	N	Loss of industry on floodplain	Y	No loss of industry	Y	No loss of industry	P	Possible loss of industry dependant on realignment position	N	Loss of further industry with further inundation	Y	No loss of industry	Y	No loss of industry
Major infrastructure e.g. local roads, bridges e.g. Brent Swing Bridge, A249, railway line and station, electricity pylons, Sewage Treatment Works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																					
		Y	No loss	Y	No loss	Y	No loss	P	Relocation of / loss of infrastructure dependant on realignment	N	Disruption / damage to infrastructure on the floodplain as defences	Y	No loss	Y	No loss	P	Relocation of / loss of infrastructure dependant on realignment	N	Loss of infrastructure on the floodplain	Y	No loss	Y	No loss

MILTON CREEK																													
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR					
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences					
Agricultural Land at Coldharbour marshes, Tonge, Teynham , Luddenham	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																											
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss
Intertidal Habitat, including Fowley island	E1	OBJECTIVE 1: Promote biodiversity opportunities to create / enhance intertidal habitat																											
		N	No biodiversity opportunities	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to establish new intertidal	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to establish new intertidal				
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																											
		P	Loss of mudflat in historically eroding areas, accretion in others	P	Loss of mudflat in historically eroding areas, accretion in others	N	Habitat loss as defences constructed seaward, adverse effect on estuary processes	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward, adverse effect on estuary processes	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward, adverse effect on estuary processes	Y	No net loss				
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to create / enhance coastal grazing marsh habitat																											
		N	No opportunities	N	No opportunities	P	Opportunity to create habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance habitat as long as reclaimed land not used for development	N	No opportunities				
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																											
		Y	No loss of habitat	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat				

MILTON CREEK																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Milton Creek	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance creek																							
		N	No opportunities	N	No opportunities	N	No opportunities	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunities	N	No opportunities	Y	Opportunity to create habitat	Y	Opportunity to create habitat	N	No opportunities	N	No opportunities	Y	Opportunity to create habitat
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																							
		Y	Continued accretion in the creek	Y	Continued accretion in the creek	N	Loss of intertidal habitat as defences realigned seaward	P	Loss of landward habitat, potential creation of intertidal habitat up to MHWS in some areas	Y	Possible creation of transitional / intertidal habitat, more naturally functioning system	Y	Continued accretion in the creek	N	Loss of intertidal habitat with coastal squeeze in confined areas	P	Loss of landward habitat, potential creation of intertidal habitat up to MHWS in some areas	Y	Possible creation of transitional / intertidal habitat, establishment of new habitat, more naturally functioning system	P	Potential loss of habitat with coastal squeeze,	N	Loss of intertidal habitat with coastal squeeze in confined areas	P	Loss of landward habitat, potential creation of intertidal habitat up to MHWS in some areas
Landscape of the estuary, marshes and town and industrial areas, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding / risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Landscape maintained as is	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Loss of estuary landscape features	N	Loss of estuary landscape features	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Loss of estuary landscape features	N	Loss of estuary landscape features	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Loss of estuary landscape features
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	No loss / damage	P	Potential loss of submerged heritage in areas of coastal squeeze, some loss ok along Swale as long as survey, record and	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage as defences fail, some loss ok along Swale as long as survey and record	P	Potential loss of submerged heritage in areas of coastal squeeze, some loss ok along Swale as long as survey, record and	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage as defences fail, some loss ok along Swale as long as survey and record	P	Potential loss of submerged heritage in areas of coastal squeeze, some loss ok along Swale as long as survey, record and	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor

MILTON CREEK																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
					monitor																				
Facilities for recreation on the river, and associated business, including quayside frontages, creekside paths, moorings and slipways, access to foreshore and river (including for fishing) Also Oare marsh Nature Reserve, including facilities for disabled people.	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	N	Loss of moorings channel width reduced compromising safe navigation	N	Loss of quayside frontages, creekside paths	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings channel width reduced compromising safe navigation	N	Loss of quayside frontages, creekside paths	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings channel width reduced compromising safe navigation	N	Loss of quayside frontages, creekside paths
Public footpaths, including along shoreline on embankments (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Potential for disruption to footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Potential for loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement
Y		12		11		9		5		5		11		9		5		5		9		9		5	
P		1		3		2		7		1		3		2		8		1		4		2		8	
N		4		3		6		4		11		3		6		4		11		3		6		4	
Weighted Score		31		31		26		22.5		12.5		31		26		22.5		12.5		30.5		26		22.5	

MURSTON PITS TO FAVERSHAM																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)				50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties at Kemsley, Sittingbourne, Conyer, Oare and Faversham	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties, defences seaward of properties	N	Damage to properties as defences fail	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties, defences seaward of properties	N	Loss of properties with further inundation	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties, defences seaward of properties
Community facilities at Kemsley, Sittingbourne, Conyer, Oare and Faversham (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities, defences seaward of facilities	N	Damage to facilities as defences fail	Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities, defences seaward of facilities	N	Loss of facilities with further inundation	Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities, defences seaward of facilities
Commercial properties at Kemsley, Sittingbourne, Conyer, Oare and Faversham	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties, defences seaward of properties	N	Damage to properties as defences fail	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties, defences seaward of properties	N	Loss of further properties with further inundation	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties, defences seaward of properties
Industry along Milton Creek, Conyer Creek, Oare Creek and Faversham Creek, including wharfage	C2	OBJECTIVE: Prevent loss/ damage/ disruption to industrial areas from flooding																							
		Y	No loss of industry	Y	No loss of industry	P	Potential disruption to industry using the estuary for	Y	No loss of industry, defences constructed seaward of industry	N	Damage to industry as defences fail	Y	No loss of industry	P	Potential disruption to industry using the estuary for transport	Y	No loss of industry, defences constructed seaward of industry	N	Loss of further industry with further inundation	Y	No loss of industry	P	Potential disruption to industry using the estuary for transport	Y	No loss of industry, defences constructed seaward of

MURSTON PITS TO FAVERSHAM																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
							transportation																ation	industry	
Major infrastructure e.g. local roads, bridges e.g. Brent Swing Bridge, A249, railway line and station, electricity pylons, Sewage Treatment Works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Disruption to infrastructure as defences fail	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position	N	Loss of infrastructure with further inundation	Y	No loss	Y	No loss	P	Possible loss dependant on realignment position
Agricultural Land at Coldharbour marshes, Tonge, Teynham , Luddenham	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		Y	No loss	Y	No loss	Y	No loss	N	Loss of Grade 4 land	N	Reduced potential of agricultural land at Luddenham as defences fail	Y	No loss	Y	No loss	N	Loss of Grade 4 land	N	Loss of agricultural land at Luddenham with further inundation	Y	No loss	Y	No loss	N	Loss of Grade 4 land
Intertidal Habitat, including Fowley island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No biodiversity opportunities	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to establish new intertidal	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to establish new intertidal
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Loss of mudflat in historically eroding areas, accretion in others	P	Loss of mudflat in historically eroding areas, accretion in others	N	Habitat loss as defences constructed seaward	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion	N	Habitat loss as defences constructed seaward	Y	No net loss

MURSTON PITS TO FAVERSHAM																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	in others	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences			
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																							
		N	No opportunities	N	No opportunities	P	Opportunity to create habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to create habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to create habitat as long as reclaimed land not used for development	N	No opportunities
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							
		Y	No loss of habitat	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat
Conyer Pits	E4	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create local habitat																							
		N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities	N	No opportunities
		OBJECTIVE 2: Prevent loss/ damage to habitats and associated species from flooding and flood risk management works																							
		Y	No loss	Y	No loss of habitat	Y	No loss of habitat	P	Potential loss of habitat dependant on realignment position	N	Damage to habitat as defences fail	Y	No loss of habitat	Y	No loss of habitat	P	Potential loss of habitat dependant on realignment position	N	Loss of habitat with further inundation	Y	No loss of habitat	Y	No loss of habitat	P	Potential loss of habitat dependant on realignment position
Potential future operation of Harty Ferry	R3	OBJECTIVE: Prevent damage/ disruption to any site/ infrastructure required by Harty Ferry from flooding and flood risk management works																							
		Y	No damage to site / infrastructure	Y	No damage to site / infrastructure	N	Potentially faster flows through restricted channel	Y	No damage to site / infrastructure	N	Disruption / damage to infrastructure and site	Y	No damage to site / infrastructure	N	Potentially faster flows through restricted channel may affect ferry	Y	No damage to site / infrastructure	N	Disruption / damage to infrastructure and site	Y	No damage to site / infrastructure	N	Potentially faster flows through restricted channel may	Y	No damage to site / infrastructure

MURSTON PITS TO FAVERSHAM																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences				
					monitor																monitor		monitor		
Facilities for recreation on the river, and associated business, including quayside frontages, creekside paths, moorings and slipways, access to foreshore and river (including for fishing) Also Oare marsh Nature Reserve, including facilities for disabled people.	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works. Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	P	Loss of moorings, potential reduced channel width compromises safe navigation	P	Potential loss of quayside frontages, creekside paths, facilities for the disabled at Oare, dependant on realignment position, potential to relocate inland	N	Disrupt recreation opportunities, paths, access to foreshore, fishing, disabled facilities	Y	No loss	P	Loss of moorings, potential reduced channel width compromises safe navigation	P	Potential loss of quayside frontages, creekside paths, facilities for the disabled at Oare, dependant on realignment position, potential to relocate inland	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	P	Loss of moorings, potential reduced channel width compromises safe navigation	P	Potential loss of quayside frontages, creekside paths, facilities for the disabled at Oare, dependant on realignment position, potential to relocate inland
Public footpaths, including along shoreline on embankments (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Potential for disruption to footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Potential for loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunities	Y	Opportunities for	Y	Opportunities for enhance	Y	Opportunities for enhance	N	No opportunities	Y	Opportunities for enhance	Y	Opportunities for enhance	Y	Opportunities for enhance	N	No opportunities	Y	Opportunities for enhance	Y	Opportunities for enhance	Y	Opportunities for enhance

MURSTON PITS TO FAVERSHAM													
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences
			enhancement	ment	nt		nt	nt	nt		ent	ment	ment
Y		14	14	9	9	2	14	9	9	2	14	9	9
N		1	2	4	6	2	2	4	6	2	2	4	6
P		5	4	7	5	16	4	7	5	16	4	7	5
Weighted Score		36	36.5	26.5	33	10	36.5	26.5	33	10	36.5	26.5	33

FAVERSHAM TO NAGDEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
Residential properties at Kemsley, Sittingbourne, Conyer, Oare and Faversham	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	N	Damage to properties as defences fail	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	N	Loss of properties with further inundation	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties
Community facilities at Kemsley, Sittingbourne, Conyer, Oare and Faversham (such as churches, pubs, shops, schools, village halls)	H2	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities	N	Damage to facilities as defences fail	Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities	N	Loss of facilities with further inundation	Y	No loss of facilities	Y	No loss of facilities	Y	No loss of facilities
Commercial properties at Kemsley, Sittingbourne, Conyer, Oare and Faversham	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	N	Damage to properties as defences fail	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties	N	Loss of further properties with further inundation	Y	No loss of properties	Y	No loss of properties	Y	No loss of properties
Industry along Milton Creek, Conyer Creek, Oare Creek and Faversham Creek, including wharfage	C2	OBJECTIVE: Prevent loss/ damage/ disruption to industrial areas from flooding																							
		Y	No loss of industry	Y	No loss of industry	P	Potential disruption to industry using the estuary for transportation	P	Possible loss dependant on realignment position	N	Damage to industry as defences fail	Y	No loss of industry	P	Potential disruption to industry using the estuary for transportation	P	Possible loss dependant on realignment position	N	Loss of further industry with further inundation	Y	No loss of industry	P	Potential disruption to industry using the estuary for transportation	P	Possible loss dependant on realignment position
Major infrastructure e.g. local roads, bridges e.g. Brent Swing Bridge, A249, railway line and station, electricity pylons, Sewage Treatment Works, services and communications	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Disruption to infrastructure as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Loss of infrastructure with further inundation	Y	No loss	Y	No loss	Y	No loss
Agricultural Land at	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							

FAVERSHAM TO NAGDEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Secondary defences		Defences fail		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Coldharbour marshes, Tonge, Teynham , Luddenham		Y	No loss	Y	No loss	Y	No loss	N	Loss of Grade 3 land	N	Reduced potential of agricultural land	Y	No loss	Y	No loss	N	Loss of Grade 3 land	N	Loss of agricultural land	Y	No loss	Y	No loss	N	Loss of Grade 3 land
Intertidal Habitat, including Fowley island	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No biodiversity opportunities	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunity to create habitat	N	No biodiversity opportunities	N	No opportunity to create intertidal habitat	Y	Biodiversity opportunities to create intertidal habitat up to MHWS
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		P	Loss of mudflat in historically eroding areas, accretion in others	P	Loss of mudflat in historically eroding areas, accretion in others	N	Habitat loss as defences constructed seaward	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas and due to coastal squeeze in confined locations, accretion in others	N	Habitat loss as defences constructed seaward	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																							
		N	No opportunities	N	No opportunities	P	Opportunity to create habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance habitat as long as reclaimed land not used for development	N	No opportunities	N	No opportunities	N	No opportunities	P	Opportunity to enhance habitat as long as reclaimed land not used for development	N	No opportunities

FAVERSHAM TO NAGDEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							
		Y	No loss of habitat	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat
Landscape of the estuary, marshes and town and industrial areas, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding / risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Landscape maintained as is	P	Maintain as is but increased defences	N	Hard defences, visual impacts on estuary landscape	P	Loss of some estuary landscape features, maintain visual quality of landscape,	P	Loss of some estuary landscape features, maintain visual quality of landscape,	P	Maintain as is but increased defences	N	Hard defences, visual impacts on estuary landscape	P	Loss of some estuary landscape features, maintain visual quality of landscape,	P	Loss of some estuary landscape features, maintain visual quality of landscape,	P	Maintain as is but increased defences	N	Hard defences, visual impacts on estuary landscape	P	Loss of some estuary landscape features, maintain visual quality of landscape,
Historic Faversham and historic creeks	G2	OBJECTIVE 1: Prevent loss/ damage to Conservation Area from flooding and flood risk management works																							
		Y	No loss / damage	Y	No loss / damage	Y	No loss / damage	Y	No loss / damage	N	Loss / damage to area	Y	No loss / damage	Y	No loss / damage	Y	No loss / damage	N	Loss / damage to area	Y	No loss / damage	Y	No loss / damage	Y	No loss / damage
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	No loss / damage	Y	No loss / damage	P	Potential loss of heritage, some loss ok along Swale as long as survey, record	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage as defences fail, some loss ok along Swale as long as survey and record	Y	No loss / damage	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor	P	Potential loss of heritage as defences fail, some loss ok along Swale as long as survey and record	Y	No loss / damage	P	Potential loss of heritage, some loss ok along Swale as long as survey, record	P	Potential loss of heritage, some loss ok along Swale as long as survey, record and monitor

FAVERSHAM TO NAGDEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences				
Facilities for recreation on the river, and associated business, including quayside frontages, creekside paths, moorings and slipways, access to foreshore and river (including for fishing) Also Oare marsh Nature Reserve, including facilities for disabled people.	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		Y	No loss	Y	No loss	P	Loss of mooring s, potential reduced channel width compro mises safe navigati on	Y	No loss	N	Disrupt recreation opportunitie s, paths, access to foreshore, fishing.	Y	No loss	P	Loss of moorings, potential reduced channel width compromises safe navigation	Y	No loss	N	Disrupt recreation opportunitie s, paths, access to foreshore, fishing	Y	No loss	P	Loss of moorings + potential reduced channel width comprom ises safe navigatio n	Y	No loss
Public footpaths, including along shoreline on embankments (Saxon Shore Way)	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunitie s for new footpath on retreated defences	N	Potential for disruption to footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunitie s for new footpath on retreated defences	N	Potential for loss of footpaths with further inundation	Y	No loss	Y	No loss	P	Disruptio n to footpath on existing defences + opportunitie s for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportu nities	Y	Opportun ities for enhanc ement	Y	Opportun ities for enhance ment	Y	Opportuniti es for enhance ment	N	No opportunitie s	Y	Opportuniti es for enhance ment	Y	Opportuniti es for enhance ment	Y	Opportunitie s for enhance ment	N	No opportunitie s	Y	Opportuniti es for enhance ment	Y	Opportun ities for enhance ment	Y	Opportun ities for enhance ment
Y		12	12	9	9	2	12	9	9	2	12	9	9	2	12	9	9	2	12	9	9	2	12	9	9
P		1	2	4	4	2	2	4	4	2	2	4	4	2	2	4	4	2	2	4	4	2	2	4	4
N		4	3	4	4	13	3	4	4	13	3	4	4	13	3	4	4	13	3	4	4	13	3	4	4

FAVERSHAM TO NAGDEN													
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR
		Defences remain	Maintain / improve existing defences	Seaward defences	Secondary defences	Defences fail	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences
Weighted Score		33	33.5	27.5	31.5	10	33.5	27.5	31.5	10	33.5	27.5	31.5

SHELL NESS TO SAYES COURT																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		N	Reduced potential of agricultural land as defences fail	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land	N	Loss of Grade 4 and Grade 5 land with further inundation	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land	N	Loss of Grade 4 and Grade 5 land with further inundation	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land
Scattered Residential properties e.g. at Shellness, Leysdown, farms	H3	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		N	Damage to properties at Shell Ness as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Loss of properties at Shell Ness	Y	No loss	Y	No loss	Y	No loss	N	Loss of scattered properties with large scale inundation	Y	No loss	Y	No loss	Y	No loss
Major infrastructure including A249 and local roads, bridges e.g. Kingsferry Bridge, railway lines, electricity pylons	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		N	Damage and disruption to local roads	Y	No loss	Y	No loss	Y	No loss	N	Damage and disruption to local roads	Y	No loss	Y	No loss	Y	No loss	N	Damage and disruption to local roads	Y	No loss	Y	No loss	Y	No loss
Intertidal Habitat	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		Y	Biodiversity opportunities to create intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunities, establishment and creation of new intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunities, establishment and creation of new intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	P	Loss of mudflat in historically eroding areas, accretio	N	Net loss of intertidal as defences constructed	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas, and with coastal squeeze in confined	N	Net loss of intertidal with coastal squeeze	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas, and with coastal	N	Net loss of intertidal with coastal squeeze	Y	No net loss

SHELL NESS TO SAYES COURT																							
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)													
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR										
		Defences fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences										
Medieval Moted site at Sayes Court	G2	OBJECTIVE 1: Prevent loss/ damage to SM from flooding and flood risk management works																					
		Y	No loss	Y	No loss	Y	No loss	Y	No loss on high land	Y	No loss	Y	No loss	Y	No loss on high land	Y	No loss	Y	No loss	Y	No loss on high land		
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																					
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																					
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity		
		Y	As long as survey and record finds	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor		
Potential future operation of Harty Ferry	R3	OBJECTIVE: Prevent damage/ disruption to any site/ infrastructure required by Harty Ferry from flooding and flood risk management works																					
		Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption	Y	No damage / disruption		
Facilities for recreation on the Swale, and associated business, including paths, moorings, access to foreshore (including for fishing)	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																					
		N	Disrupt recreation facilities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings, loss of beach	Y	No loss	N	Further disruption to recreation, paths, access to foreshore, fishing with further inundation	Y	No loss	N	Loss of moorings, loss of beach	Y	No loss	N	Further disruption to recreation, paths, access to foreshore, fishing with further inundation	Y	No loss		
Public footpaths	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																					
		N	Disruption to public footpaths	Y	No loss	Y	No loss	P	Disruption to footpath on existing	N	Loss of public footpaths	Y	No loss	Y	No loss	P	Disruption to footpath on existing	N	Loss of public footpaths	Y	No loss	Y	No loss

SHELL NESS TO SAYES COURT																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL	ATL		MR	NAI (Baseline)		HTL	ATL		MR	NAI (Baseline)		HTL	ATL		MR						
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		as defences fail					defences, opportunities for new footpath on retreated defences		on defences, disruption to landward paths					defences, opportunities for new footpath on retreated defences		on defences, disruption to landward paths					defences, opportunities for new footpath on retreated defences				
OBJECTIVE 2: Seek opportunities to enhance features where appropriate																									
		N	No opportunities	Y	Opportunities to enhance features	Y	Opportunities to enhance features	Y	Opportunities to enhance features	N	No opportunities	Y	Opportunities to enhance features	Y	Opportunities to enhance features	Y	Opportunities to enhance features	N	No opportunities	Y	Opportunities to enhance features	Y	Opportunities to enhance features	Y	Opportunities to enhance features
Y		5		10		9		9		5		10		9		9		5		10		9		9	
P		1		2		1		2		1		2		1		2		1		2		1		2	
N		9		3		5		4		9		3		5		4		9		4		5		4	
Weighted Score		15.5		25.5		21.5		25.5		15.5		25.5		21.5		25.5		15.5		25.5		21.5		25.5	

SAYES COURT TO NORTH ELMLEY ISLAND																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		N	Reduced potential of agricultural land as defences fail	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land	N	Loss of Grade 4 and Grade 5 land with further inundation	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land	N	Loss of Grade 4 and Grade 5 land with further inundation	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land
Scattered Residential properties e.g. at Shellness, Leysdown, farms	H3	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		N	Damage to scattered properties	Y	No loss	Y	No loss	Y	No loss	N	Loss of scattered properties	Y	No loss	Y	No loss	Y	No loss	N	Loss of scattered properties with large scale inundation	Y	No loss	Y	No loss	Y	No loss
Major infrastructure including A249 and local roads, bridges e.g. Kingsferry Bridge, railway lines, electricity pylons	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		P	Potential damage and disruption to local roads	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of local roads	Y	No loss	Y	No loss	Y	No loss	N	Damage to / loss of local roads	Y	No loss	Y	No loss	Y	No loss
Intertidal Habitat	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		Y	Biodiversity opportunities to create intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunities, establishment and creation of new intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunities, establishment and creation of new intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	P	Loss of mudflat in historically eroding areas,	N	Net loss of intertidal as defences constructed	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas, and with coastal squeeze in	N	Net loss of intertidal with coastal squeeze	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas, and with	N	Net loss of intertidal with coastal squeeze	Y	No net loss

SAYES COURT TO NORTH ELMLEY ISLAND																											
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR			
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences			
				accretion in others		retreated seaward						confined locations, accretion in others								coastal squeeze in confined locations, accretion in others							
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																									
		N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development	N	No biodiversity opportunities
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																									
		N	Loss of freshwater habitat	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat		
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																									
		P	Loss of some features, visual quality maintained	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated	P	Loss of some features, visual quality maintained	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated	P	Loss of some features, visual quality maintained	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated		

SAYES COURT TO NORTH ELMLEY ISLAND																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Medieval Moted site at Sayes Court	G2	OBJECTIVE 1: Prevent loss/ damage to SM from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss on high land	Y	No loss	Y	No loss	Y	No loss on high land	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss on high land
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	As long as survey and record finds	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor
Potential future operation of Harty Ferry	R3	OBJECTIVE: Prevent damage/ disruption to any site/ infrastructure required by Harty Ferry from flooding and flood risk management works																							
		Y	No damage to site	Y	No damage to site / infrastructure as defences minimal as assets on high land	N	Potentially faster flows through restricted channel may affect ferry operation	Y	No damage to site	Y	No damage to site	Y	No damage to site / infrastructure as defences minimal as assets on high land	N	Potentially faster flows through restricted channel may affect ferry operation	Y	No damage to site	Y	No damage to site	Y	No damage to site / infrastructure as defences minimal as assets on high land	N	Potentially faster flows through restricted channel may affect ferry operation	Y	No damage to site
Facilities for recreation on the Swale, and associated business, including paths, moorings, access to foreshore (including for fishing)	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works. Seek opportunities to enhance features where appropriate																							
		N	Disrupt recreation facilities, paths, access to foreshore,	Y	No loss	N	Loss of moorings, safe navigation of channel reduced	Y	No loss	N	Further disruption to recreation, paths, access to foreshore,	Y	No loss	N	Loss of moorings, safe navigation of channel reduced due to	Y	No loss	N	Further disruption to recreation, paths, access to foreshore,	Y	No loss	N	Loss of moorings, safe navigation of channel reduced	Y	No loss

SAYES COURT TO NORTH ELMLEY ISLAND																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
			fishing				due to faster flows				fishing with further inundation				faster flows				fishing with further inundation				due to faster flows		
Public footpaths	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		N	Disruption to public footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunities	Y	Opportunities to enhance features	Y	Opportunities to enhance features	Y	Opportunities to enhance features	N	No opportunities	Y	Opportunities to enhance features	Y	Opportunities to enhance features	Y	Opportunities to enhance features	N	No opportunities	Y	Opportunities to enhance features	Y	Opportunities to enhance features	Y	Opportunities to enhance features
Y		5		10		8		9		5		10		8		9		5		10		8		9	
P		2		2		1		2		1		2		1		2		1		2		1		2	
N		8		3		6		4		9		3		6		4		9		3		6		4	
Weighted Score		17		25.5		19.5		25.5		15.5		25.5		19.5		25.5		15.5		25.5		19.5		25.5	

NORTH ELMLEY ISLAND TO KINGSFERRY BRIDGE																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Agricultural Land	C3	OBJECTIVE: Prevent loss/ reduced potential of agricultural land from flooding																							
		N	Reduced potential of Grade 4 and 5 agricultural land as defences fail	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land	N	Loss of Grade 4 and Grade 5 land with further inundation	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land	N	Loss of Grade 4 and Grade 5 land with further inundation	Y	No loss	Y	No loss	N	Loss of low Grade 4 and Grade 5 agricultural land
Scattered Residential properties e.g. at Shellness, Leysdown, farms	H3	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		N	Damage to properties on Minster Narshes as defences fail	Y	No loss	Y	No loss	Y	No loss, defences seaward of properties	N	Loss of properties on Minster Marshes with large scale inundation	Y	No loss	Y	No loss	Y	No loss, defences seaward of properties	N	Loss of scattered properties on Minster Marshes with large scale inundation	Y	No loss	Y	No loss	Y	No loss, defences seaward of properties
Major infrastructure including A249 and local roads, bridges e.g. Kingsferry Bridge, railway lines, electricity pylons	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		N	Damage and disruption to A249 as defences fail	Y	No loss	Y	No loss	Y	No loss, defences seaward of infrastructure	N	Damage to / loss of A249, electricity pylons	Y	No loss	Y	No loss	Y	No loss, defences seaward of infrastructure	N	Loss of A249, electricity pylons	Y	No loss	Y	No loss	Y	No loss, defences seaward of infrastructure
Intertidal Habitat	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		Y	Biodiversity opportunities to create intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	Y	Biodiversity opportunities to create intertidal habitat up to MHWS	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunities to create intertidal habitat up to MHWS
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	P	Loss of mudflat in historically eroding areas	N	Net loss of intertidal as defences	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas, and with coastal	N	Net loss of intertidal as defences constructed seaward	Y	No net loss	Y	No net loss	P	Loss of mudflat in historically eroding areas,	N	Net loss of intertidal as defences construct	Y	No net loss

NORTH ELMLEY ISLAND TO KINGSFERRY BRIDGE																									
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)											
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
				areas, accretion in others		constructed seaward					squeeze in confined locations, accretion in others									and with coastal squeeze in confined locations, accretion in others		ed seaward			
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																							
		N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for development	N	No biodiversity opportunities
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from flooding and flood risk management works																							
		N	Loss of freshwater habitat and habitats on defence embankments as defences fail	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Loss of habitat
Landscape of the estuary and marshes, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		P	Loss of some features, visual quality	P	Maintain as is but increased defence	N	Hard defences, visual estuary landscape	P	Loss of some estuary landscape features, maintain	P	Loss of some features, visual quality	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape	P	Loss of some estuary landscape features, maintain	P	Loss of some features, visual quality	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape	P	Loss of some estuary landscape features, maintain

NORTH ELMLEY ISLAND TO KINGSFERRY BRIDGE																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
		maintained	s	impacts	visual quality of landscape, but with retreated defences	maintained		impacts	visual quality of landscape, but with retreated defences	maintained		e impacts	visual quality of landscape, but with retreated defences												
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	As long as survey and record finds	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor	Y	As long as survey and record finds and monitor						
Facilities for recreation on the Swale, and associated business, including paths, moorings, access to foreshore (including for fishing)	R3	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																							
		N	Disrupt recreation facilities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings, safe navigation of channel reduced due to faster flows	Y	No loss	N	Further disruption to recreation, paths, access to foreshore, fishing with further inundation	Y	No loss	N	Loss of moorings, safe navigation of channel reduced due to faster flows	Y	No loss	N	Further disruption to recreation, paths, access to foreshore, fishing with further inundation	Y	No loss	N	Loss of moorings, safe navigation of channel reduced due to faster flows	Y	No loss
Public footpaths	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works																							
		N	Disruption to public footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportuniti	Y	Opportu nities to	Y	Opportu nities to	Y	Opportuniti es to	N	No opportunitie	Y	Opportuniti es to	Y	Opportuniti es to	Y	Opportuniti es to	N	No opportunitie	Y	Opportun ities to	Y	Opportun ities to	Y	Opportunitie s to enhance

NORTH ELMLEY ISLAND TO KINGSFERRY BRIDGE													
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR
		Defences fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences
		es	enhance features	enhance features	enhance features	s	enhance features	enhance features	enhance features	s	enhance features	enhance features	features
Y		3	8	7	7	3	8	7	7	3	8	7	7
P		1	2	1	2	1	2	1	2	1	2	1	2
N		8	2	4	3	8	2	4	3	8	2	4	3
Weighted Score		10.5	20.5	16.5	20.5	10.5	20.5	16.5	20.5	10.5	20.5	16.5	20.5

KINGSFERRY BRIDGE TO RUSHENDEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Residential properties in Sheerness, Queenborough and Rushenden	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																							
		P	Possible damage to properties at Rushenden , adjacent to frontage as defences fail	Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to properties at Rushenden , adjacent to frontage	Y	No loss	Y	No loss	Y	No loss	N	Loss of properties at Rushenden , adjacent to frontage	Y	No loss	Y	No loss
Commercial properties in Sheerness, Queenborough and Rushenden	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																							
		N	Damage to commercial properties at Neats Court as defences fail	Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to commercial properties at Neats Court	Y	No loss	Y	No loss	Y	No loss	N	Loss of commercial properties at Neats Court	Y	No loss	Y	No loss
Community facilities in Sheerness, Queenborough and Rushenden (such as churches, pubs, shops, schools, village halls)	H1	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																							
		P	Possible damage to facilities at Rushenden , adjacent to frontage as defences fail	Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Damage to facilities at Rushenden , adjacent to frontage	Y	No loss	Y	No loss	Y	No loss	N	Loss of facilities at Rushenden , adjacent to frontage	Y	No loss	Y	No loss
Sheerness Port	F1	OBJECTIVE: Prevent loss/ damage/ disruption to Sheerness Port from flooding																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss / damage to port	Y	No loss	Y	No loss	Y	No loss	Y	No loss	Y	No loss / damage to port	Y	No loss	Y	No loss	Y	No loss
Rushenden Dredging Disposal site	C3	OBJECTIVE: Prevent loss/ damage to dredging disposal site from flooding or erosion of bunds																							
		N	Damage and erosion of site as defences fail	Y	No loss	Y	No loss	Y	No loss	N	Erosion of site	Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Erosion of site	Y	No loss	Y	No loss

KINGSFERRY BRIDGE TO RUSHENDEN																									
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Major infrastructure, including Rushenden Sewage Treatment works, main railway line, A249, local roads, bridges and tracks, electricity pylons, services and communication links	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																							
		N	Damage and disruption to A249, railway and sewage works as defences fail	Y	No loss	Y	No loss	Y	No loss, defences constructed seaward of infrastructure	N	Damage and loss of road and rail infrastructure and sewage works with further inundation	Y	No loss	Y	No loss	Y	No loss, defences constructed seaward of infrastructure	N	Loss of infrastructure and sewage works	Y	No loss	Y	No loss	Y	No loss, defences constructed seaward of infrastructure
Intertidal Habitat	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		Y	Creation of transitional intertidal habitat up to MHWS as defences fail	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunity to create new intertidal habitat up to MHWS	Y	Creation of transitional intertidal habitat up to MHWS as defences fail	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunity to create new intertidal habitat up to MHWS	Y	Creation of transitional intertidal habitat up to MHWS as defences fail	N	No biodiversity opportunities	N	No biodiversity opportunities	Y	Biodiversity opportunity to create new intertidal habitat up to MHWS
		OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	N	Net loss of mudflat if historic erosion trends continue in confined areas	N	Net loss of intertidal as defences constructed seaward	Y	No net loss	Y	No net loss	N	Net loss of habitat with coastal squeeze	N	Net loss of intertidal as defences constructed seaward	Y	No net loss	Y	No net loss	N	Net loss of habitat with coastal squeeze	N	Net loss of intertidal as defences constructed seaward	Y	No net loss
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																							
		N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for developme	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for developme	N	No biodiversity opportunities	N	No biodiversity opportunities	N	No biodiversity opportunities	P	Opportunity to create habitat however no habitat creation opportunities if reclaimed land used for developme	N	No biodiversity opportunities

KINGSFERRY BRIDGE TO RUSHENDEN																	
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)							
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR				
		Defences fail	Maintain / improve existing defences	Seaward defences	Secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Maintain / improve secondary defences				
Landscape of the estuary, marshes and urban areas, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate															
		P	Loss of some features, visual quality maintained	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences	P	Loss of some features, visual quality maintained	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape, but with retreated defences
Facilities for recreation in the estuary, and associated business, including paths, moorings, access to foreshore (including for fishing), including at Queenborough Creek	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate															
		N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings, safe navigation of channel reduced due to faster flows	P	Possible loss of access to foreshore at Rushenden dependant on realignment position	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings, safe navigation of channel reduced due to faster flows	P	Possible loss of access to foreshore at Rushenden dependant on realignment position
Public footpaths	R3	OBJECTIVE 1: Prevent loss/ disruption to footpath from flooding and flood risk management works															
		N	Disruption to public footpaths as defences fail	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences, loss of footpath across Neatscourt Marshes	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences, loss of footpath across Neatscourt Marshes
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate															

KINGSFERRY BRIDGE TO RUSHENDEN																									
Feature	Rank	0-20 (up to 2025)								20-50 (up to 2055)								50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences fail		Maintain / improve existing defences		Seaward defences		Secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
		N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement
Y			5		14		13		12		5		14		13		12		5		14		13		12
P			3		1		1		4		1		1		1		4		1		1		1		4
N			11		4		5		3		13		4		5		3		13		4		5		3
Weighted Score			21		39.5		36.5		41		17.5		39.5		36.5		41		17.5		39.5		36.5		41

RUSHENDEN TO SHEERNESS																					
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)							
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR (North of Queenborough, south of Sheerness)	NAI (Baseline)		HTL		ATL	MR (North of Queenborough, south of Sheerness)	
		Defences fail		Maintain / improve existing defences		Seaward defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Secondary defences	No defences		Maintain / improve / replace defences		Maintain / improve seaward defences	Maintain / improve secondary defences	
Residential properties in Sheerness, Queenborough and Rushenden	H2	OBJECTIVE: Prevent loss/ damage to residential properties from flooding or flood risk management works																			
		N	Loss of properties	Y	No loss	Y	No loss	N	Loss of properties	Y	No loss	Y	No loss	Y	No loss, defences constructed seaward of properties	N	Loss of properties	Y	No loss	Y	No loss
Commercial properties in Sheerness, Queenborough and Rushenden	C2	OBJECTIVE: Prevent loss/ damage to commercial properties from flooding or flood risk management works																			
		N	Loss of properties	Y	No loss	Y	No loss	N	Loss of properties	Y	No loss	Y	No loss	N	Loss of /relocation of commercial properties north of Queenborough	N	Loss of properties	Y	No loss	Y	No loss
Community facilities in Sheerness, Queenborough and Rushenden (such as churches, pubs, shops, schools, village halls)	H1	OBJECTIVE: Prevent loss/ damage to community facilities from flooding or flood risk management works																			
		N	Damage to / loss of facilities	Y	No loss	Y	No loss	N	Damage to / loss of facilities	Y	No loss	Y	No loss	Y	No loss, defences constructed seaward of facilities	N	Loss of facilities	Y	No loss	Y	No loss
Sheerness Port	F1	OBJECTIVE: Prevent loss/ damage/ disruption to Sheerness Port from flooding																			
		N	Disruption / damage to / Port	Y	No loss	Y	No loss	N	Damage to / loss of Port	Y	No loss	Y	No loss	Y	No loss	N	Loss of Port	Y	No loss	Y	No loss
Rushenden Dredging Disposal site	C3	OBJECTIVE: Prevent loss/ damage to Hoo Island from flooding or erosion of bunds																			
		N	Potential erosion of bunds adjacent to disposal site	Y	No loss	Y	No loss	N	Potential erosion of bunds adjacent to disposal site	Y	No loss	Y	No loss	Y	No loss	N	Potential erosion of bunds adjacent to disposal site	Y	No loss	Y	No loss
Major infrastructure, including Rushenden Sewage Treatment works, main railway line, A249, local roads, bridges and	F2	OBJECTIVE: Prevent loss/ damage/ disruption to infrastructure from flooding																			
		N	Loss /damage to infrastructure	Y	No loss	Y	No loss	N	Loss of infrastructure	Y	No loss	Y	No loss	N	Disruption to A249 and railway line	N	Loss of infrastructure	Y	No loss	Y	No loss

RUSHENDEN TO SHEERNESS																							
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR (North of Queenborough, south of Sheerness)		NAI (Baseline)		HTL		ATL		MR (North of Queenborough, south of Sheerness)	
		Defences fail		Maintain / improve existing defences		Seaward defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Secondary defences		No defences		Maintain / improve / replace defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Sheerness Town centre	G2	OBJECTIVE: Prevent loss/ damage to area from flooding and flood risk management works.																					
		N	Gradual damage as defences fail	Y	No loss	Y	No loss	N	Loss of assets	Y	No loss	Y	No loss	Y	No loss	N	Loss of assets	Y	No loss	Y	No loss	Y	No loss
		OBJECTIVE: Seek opportunities to enhance features where appropriate																					
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Queenborough Conservation Area, including Queenborough Castle	G2	OBJECTIVE: Prevent loss/ damage to Conservation Area and SM from flooding and flood risk management work.																					
		N	Damage to conservation area	Y	No loss	N	Damage to conservation area at Queenborough, defences constructed seaward into creek	N	Damage to conservation area and SM	Y	No loss	N	Damage to conservation area at Queenborough, defences constructed seaward into creek	Y	No loss	N	Damage to Conservation area and SM	Y	No loss	N	Damage to conservation area at Queenborough, defences constructed seaward into creek	Y	No loss
		OBJECTIVE: Seek opportunities to enhance features where appropriate																					
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Non-statutory known and unknown heritage	G4	OBJECTIVE: Prevent loss/ damage to heritage or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																					
		P	As long as survey and record finds (Sheerness), possible damage to historic landscape at Queenborough and Rushenden	Y	As long as survey, record and monitor finds	P	As long as survey and record finds (Sheerness & Rushenden), damage to historic landscape at Queenborough	P	As long as survey and record finds (Sheerness), possible damage to historic landscape at Queenborough and Rushenden	Y	As long as survey, record and monitor finds	P	As long as survey and record finds (Sheerness & Rushenden), damage to historic landscape at Queenborough	Y	As long as survey, record and monitor finds	P	As long as survey and record finds (Sheerness), possible damage to historic landscape at Queenborough and Rushenden	Y	As long as survey, record and monitor finds	P	As long as survey and record finds (Sheerness & Rushenden), damage to historic landscape at Queenborough	Y	As long as survey, record and monitor finds
Landscape of the estuary, marshes and urban	L2	OBJECTIVE: Prevent degradation of landscape quality and visual amenity from flooding/ risk management works. Ensure consideration of existing defences on landscape and heritage																					

RUSHENDEN TO SHEERNESS																							
Feature	Rank	0-20 (up to 2025)						20-50 (up to 2055)						50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		NAI (Baseline)		HTL		ATL		MR (North of Queenborough, south of Sheerness)		NAI (Baseline)		HTL		ATL		MR (North of Queenborough, south of Sheerness)	
		Defences fail		Maintain / improve existing defences		Seaward defences		No defences		Maintain / improve defences		Maintain / improve seaward defences		Secondary defences		No defences		Maintain / improve / replace defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
areas, including existing defences		grounds. Seek opportunities to enhance features where appropriate																					
		N	Degradation of landscape quality as defences fail	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	N	Degradation of heritage landscape at Queenborough	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape	N	Degradation of heritage landscape at Queenborough	P	Maintain as is but increased defences	N	Hard defences, visual estuary landscape impacts	P	Loss of some estuary landscape features, maintain visual quality of landscape
Facilities for recreation in the estuary, and associated business, including paths, moorings, access to foreshore (including for fishing), including at Queenborough Creek	R2	OBJECTIVE: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works, Seek opportunities to enhance features where appropriate																					
		N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings and disruption to recreation in estuary and Queenborough Creek	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings and disruption to recreation in estuary and Queenborough Creek	P	Loss of paths and access to the foreshore, opportunity to relocate paths	N	Disrupt recreation opportunities, paths, access to foreshore, fishing	Y	No loss	N	Loss of moorings and disruption to recreation in estuary and Queenborough Creek	P	Loss of paths and access to the foreshore, opportunity to relocate paths
Public footpaths	R3	OBJECTIVE: Prevent loss/ disruption to footpath from flooding and flood risk management works																					
		N	Disruption to public footpaths as defences fail	Y	No loss	Y	No loss	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences	N	Loss of public footpaths on defences, disruption to landward paths	Y	No loss	Y	No loss	P	Disruption to footpath on existing defences, opportunities for new footpath on retreated defences
		OBJECTIVE: Seek opportunities to enhance features where appropriate																					
		N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement	N	No opportunities	Y	Opportunities for enhancement	Y	Opportunities for enhancement	Y	Opportunities for enhancement
Y		3		15		11		3		15		11		12		3		15		11		12	
P		1		1		2		1		1		2		4		1		1		2		4	

RUSHENDEN TO SHEERNESS												
Feature	Rank	0-20 (up to 2025)			20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	NAI (Baseline)	HTL	ATL	MR (North of Queenborough, south of Sheerness)	NAI (Baseline)	HTL	ATL	MR (North of Queenborough, south of Sheerness)
		Defences fail	Maintain / improve existing defences	Seaward defences	No defences	Maintain / improve defences	Maintain / improve seaward defences	Secondary defences	No defences	Maintain / improve / replace defences	Maintain / improve seaward defences	Maintain / improve secondary defences
N		16	4	7	16	4	7	4	16	4	7	4
Weighted Score		10.5	41.5	32.5	10.5	41.5	32.5	40	10.5	41.5	32.5	40

MEDWAY ISLANDS																									
Feature	Rank	0-20 (up to 2025)							20-50 (up to 2055)							50-100 (up to 2105)									
		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR		NAI (Baseline)		HTL		ATL		MR	
		Defences remain		Maintain / improve existing defences		Seaward defences		Realigned secondary defences		Defences fail		Maintain / improve existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences		No defences		Maintain / improve / replace existing defences		Maintain / improve seaward defences		Maintain / improve secondary defences	
Hoo Island dredging disposal site	C3	OBJECTIVE: Prevent loss/ damage to Hoo Island from flooding or erosion of bunds																							
		P	No loss	Y	No loss	Y	No loss	N	Damage to site	N	Erosion of site	Y	No loss	Y	No loss	N	Damage to site	N	Erosion of site	Y	No loss	Y	No loss	N	Damage to site
Hoo Fort and Darnet Fort	G2	OBJECTIVE: Prevent loss/ damage to SMs from flooding and flood risk management works																							
		Y	No loss	Y	No loss	Y	No loss	Y	No loss	N	Loss of / damage to SMs with sea level rise	Y	No loss	Y	No loss	Y	No loss	N	Loss of / damage to SMs with sea level rise	Y	No loss	Y	No loss	Y	No loss
Non-statutory known and unknown heritage	G4	OBJECTIVE 1: Prevent loss/ damage to heritage from flooding and flood risk management works or implement appropriate mitigation measures, including preservation of evidence by record. Seek opportunities to enhance features where appropriate																							
		Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	N	Loss of submerged interests not acceptable	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	N	Loss of submerged interests not acceptable	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds	Y	Loss acceptable as long as survey and record finds	Y	Loss acceptable as long as survey, record and monitor finds	N	Loss of submerged interests not acceptable	Y	Loss of buried heritage acceptable as long as survey, record and monitor finds
Facilities for recreation on the river, and associated business, including marina (sailing and windsurfing), Medway Yacht Club, Arethusa Venture Centre, access to foreshore and river (including for fishing)	R2	OBJECTIVE 1: Prevent loss/ damage/ disruption to recreation and associated business from flooding and flood risk management works																							
		Y	No loss	Y	No loss	N	Loss of moorings, narrower channel will cause faster flows compromising navigation safety	Y	No loss	Y	No loss	Y	No loss	N	Narrower channel will cause faster flows compromising navigation safety	Y	No loss	Y	No loss	Y	No loss	N	Narrower channel will cause faster flows compromising navigation safety	Y	No loss
		OBJECTIVE 2: Seek opportunities to enhance features where appropriate																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
Intertidal Habitat (including saltmarsh)	E1	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create intertidal habitat																							
		N	No	N	No	N	No	Y	Opportunity	Y	Opportunity	N	No	N	No	Y	Opportunity	Y	Opportunity	N	No	N	No	Y	Opportunity

MEDWAY ISLANDS																									
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)															
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR												
		Defences remain	Maintain / improve existing defences	Seaward defences	Realigned secondary defences	Defences fail	Maintain / improve existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve / replace existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences												
islands)		opportunity	opportunity	opportunity	to create habitat	to create habitat	opportunity	opportunity	to enhance habitat	to create habitat	opportunity	opportunity	to enhance habitat												
	OBJECTIVE 2: Avoid net loss of intertidal habitat and associated species from coastal squeeze and flood risk management works																								
	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seawards	Y	No net loss	Y	No net loss	P	Some loss of intertidal habitat with coastal squeeze in contemporary eroding area, accretion elsewhere	N	Loss of intertidal habitat as defences constructed seawards	Y	No net loss	Y	No net loss	N	Net loss of intertidal habitat with coastal squeeze as sediment supply decreases	N	Loss of intertidal habitat as defences constructed seawards	Y	No net loss	
Coastal Grazing marsh habitat (including habitat on the flood defence embankments)	E2	OBJECTIVE 1: Promote biodiversity opportunities to enhance / create coastal grazing marsh habitat																							
		N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity	N	No opportunity
		OBJECTIVE 2: Avoid net loss of coastal grazing marsh and associated species from coastal squeeze and flood risk management works																							
		Y	No net loss	Y	No net loss	Y	No net loss	N	Potential Loss of habitat	N	Loss of habitat as defences fail	Y	No net loss	Y	No net loss	N	Potential Loss of habitat	N	Loss of habitat with further inundation	Y	No net loss	Y	No net loss	N	Potential Loss of habitat
Landscape of the estuary, marshes, villages and industrial area, including existing defences	L2	OBJECTIVE 1: Prevent degradation of landscape quality and visual amenity from flooding and flood risk management works. Ensure consideration of existing defences on landscape and heritage grounds. Seek opportunities to enhance features where appropriate																							
		Y	Maintain as is	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	P	Loss of some estuary landscape features, maintain visual quality	P	Loss of some estuary landscape features, maintain visual quality	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	P	Loss of some estuary landscape features, maintain visual quality	P	Loss of some estuary landscape features, maintain visual quality	P	Maintain as is but increased defences	N	Hard defences, impacts in visual quality of estuary landscape	P	Loss of some estuary landscape features, maintain visual quality
Y		5	5	3	5	4	5	3	5	4	5	3	5	4	5	3	5								

MEDWAY ISLANDS													
Feature	Rank	0-20 (up to 2025)				20-50 (up to 2055)				50-100 (up to 2105)			
		NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR	NAI (Baseline)	HTL	ATL	MR
		Defences remain	Maintain / improve existing defences	Seaward defences	Realigned secondary defences	Defences fail	Maintain / improve existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences	No defences	Maintain / improve / replace existing defences	Maintain / improve seaward defences	Maintain / improve secondary defences
P		2	2	0	1	1	2	0	1	1	1	0	1
N		3	3	7	4	5	3	7	4	5	4	7	4
Weighted Score		16	15.5	8	16.5	13.5	15.5	8	16.5	13.5	13.5	8	16.5

G4 Proposed Policy Options and Preferred Policy Scenario

Proposed Policy Options were identified for each frontage through the assessment of Shoreline Interaction and Response for the policies tested, and through the Objectives Assessment. The Proposed Policy Options listed in the following table were issued to the Coastal Steering Group for discussion.

G4.1 PROPOSED POLICY OPTIONS

PROPOSED PREFERRED POLICIES (HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)					
Proposed Policy Unit		Epoch 1 (0-20 years)	Epoch 2 (20-50 years)	Epoch 3 (50-100 years)	Comments / Justification
E4 01	North Grain to Colemouth Creek	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 There are limited areas below MHWS level, therefore there are limited opportunities for habitat creation, the only suitable area for MR would be by Colemouth Creek, however this is very small ~ 25 Ha, length of new defences would be longer than current defences Important infrastructure / industry in the way
E4 02	Colemouth Creek to Bee Ness Jetty	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 2 and 3 Estuary already wider than it needs to be in this location, large scale retreat (MR/NAI) would move it further away from ideal form Estuary is still accreting in this location MR up to infrastructure would mean small amount of habitat gain. More in depth study would be required to ascertain impacts on estuary and habitat creation potential - <i>TO BE DISCUSSED WITH CSG</i> MR to create new channel was discounted as would be very expensive (would require removal / relocation of essential infrastructure)
E4 03	Bee Ness Jetty to Hoo Marina	HTL	HTL	HTL	HTL met the largest number of objectives in Epoch 1, HTL and MR met the largest number of objectives in Epochs 2 and 3 Kingsnorth power Station important asset and infrastructure Limited areas would create habitat up to MHWS, main area being to the west of Kingsnorth Power Station

PROPOSED PREFERRED POLICIES (HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)					
Proposed Policy Unit		Epoch 1 (0-20 years)	Epoch 2 (20-50 years)	Epoch 3 (50-100 years)	Comments / Justification
					More in depth study would be required - <u>-TO BE DISCUSSED WITH CSG</u>
E4 04	Hoo Marina to Lower Upnor	NAI	NAI	NAI	MR and NAI met the most objectives for each epoch No justification for MR as there are no assets on top of the cliffs to be protected HTL at SM is unsustainable in the long term and will adversely affect the adjacent shoreline Any loss of designated habitat may need to be compensated for elsewhere
E4 05	Lower Upnor to Medway bridge	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 MHWS level would mean no opportunities for habitat creation at Whitewall Creek with MR
E4 06	Medway Bridge to North Halling	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 Opportunity for possible MR / flood storage area beside Medway Bridge, MHWS level would create habitat in this location, however is a relatively small area, more in depth study would be required to ascertain impacts on estuary and habitat creation potential <u>-TO BE DISCUSSED WITH CSG</u>
E4 07	North Halling to Snodland	HTL	HTL	HTL	HTL met the largest number of objectives in all 3 epochs Opportunity for possible MR / flood storage areas at Halling and Holborough, MHWS level would create habitat in these locations, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 08	Leybourne Lakes	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 Opportunity to MR / flood storage area in small site on the corner of the lakes, MHWS level would create habitat in this location, may be cost effective as would need shorter length of defences, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 09	New Hythe to Allington Lock	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 Opportunity for MR / flood storage area north of M20 motorway, may reduce water levels during floods, more in depth study would be required to ascertain impacts on estuary <u>-TO BE DISCUSSED WITH CSG</u>
E4 10	Allington Lock to Millhall	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 With opportunity for MR / flood storage area between Millhall and Forstal, may reduce water levels during floods, more in depth study would be required to ascertain impacts on estuary <u>-TO BE DISCUSSED WITH CSG</u>
E4 11	Millhall to north Wouldham	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 along Millhall to Medway Bridge frontage Opportunity for MR / flood storage areas at Burham Court and south of Wouldham, MHWS level would create

PROPOSED PREFERRED POLICIES (HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)					
Proposed Policy Unit		Epoch 1 (0-20 years)	Epoch 2 (20-50 years)	Epoch 3 (50-100 years)	Comments / Justification
					habitat in these locations, would reduce water levels during floods, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 12	Wouldham Marshes	MR / NAI	MR / NAI	MR / NAI	HTL met the largest number of objectives in Epochs 1, 2 and 3 along Millhall to Medway Bridge frontage However opportunity for MR / flood storage area in this location, MHWS level would create habitat in this location, would reduce water levels during floods, minimal assets on flood plain, raises to higher ground, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 13	Medway Bridge to west St Mary's Island	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation
E4 14	St Mary's Island to the Strand	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 No opportunities for MR along the whole of this frontage, MHWS level too low ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation
E4 15	The Strand to west Motney Hill	HTL	HTL / NAI / MR	HTL / NAI / MR	Objective assessment not clear, however MR met most objectives when looking at weighted score ATL has been discounted on environmental grounds, adverse affects / loss of habitat and important wrecks NAI should be considered along whole / some of frontage due to small number of assets in the narrow flood plain, higher land behind, lowers costs of defence maintenance / replacement <u>-TO BE DISCUSSED WITH CSG</u> MR should be considered along whole / some of frontage, small number of assets in the narrow flood plain, higher land behind, however MHWS level not high enough to create habitat <u>-TO BE DISCUSSED WITH CSG</u> more in depth study would be required to ascertain impacts on estuary
E4 16	Motney Hill to Lower Halstow	HTL	HTL	HTL	Need to split unit for more clarity and re-test objectives as objective assessment not clear ATL has been discounted on environmental grounds, adverse affects / loss of habitat and technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation in the Swale Opportunity for MR along the west shoreline, west of Ham Green <u>-TO BE DISCUSSED WITH CSG</u>
E4 17	Barksore Marshes	MR / NAI	MR / NAI	MR / NAI	MR, NAI met the largest number of objectives in Epochs 1, 2 and 3 MR / NAI should both be considered as no assets on the marshes, would be more cost effective than maintaining / replacing defences, meets environmental objectives creating intertidal habitat , more in depth

PROPOSED PREFERRED POLICIES					
(HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)					
Proposed Policy Unit		Epoch 1 (0-20 years)	Epoch 2 (20-50 years)	Epoch 3 (50-100 years)	Comments / Justification
					study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u> HTL is discounted as defences do not protect any built assets and no assets on the flood plain
E4 18	Funton to Raspberry Hill	HTL	HTL	HTL	NAI met the largest number of objectives in all 3 epochs ATL has been discounted on environmental grounds, adverse affects / loss of habitat and technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation in the Swale MR / NAI discounted due to close proximity of road and orchards to shoreline although not reflected in objective assessment <u>-TO BE DISCUSSED WITH CSG</u>
E4 19	Chetney Marshes	NAI / MR	NAI / MR	NAI / MR	MR met the largest number of objectives in Epochs 1, 2 and 3 MR should be considered as no assets on the marshes, meets environmental objectives creating intertidal habitat, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u> HTL is discounted as defences do not protect any built assets and no assets on the flood plain NAI should also be considered, however pylons and pathways will be lost
E4 20	Kingsferry Bridge to Milton Creek	HTL	HTL	HTL	NAI met the largest number of objectives in Epoch 1 (this is misleading as defences will remain in the 1 st epoch), HTL met the largest number of objectives in Epochs 2 and 3 NAI discounted due to infrastructure (roads, pylons), industrial assets and docks, on the flood plain ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation, accelerated damage to defences, loss of habitat Only opportunity to create habitat where MHWS level is suitable is between Kingsferry Bridge and Ridham Dock, however discounted due to large number of pylons and road to Ridham Dock
E4 21	Milton Creek	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation, accelerated damage to defences, loss of habitat MR discounted due to large number of industry, built assets and infrastructure along the creek NAI discounted due to large number of industry, built assets and infrastructure along the creek and on flood plain
E4 22	Murston Pits to Oare	HTL	HTL / MR	HTL / MR	HTL met the largest number of objectives in Epochs 1, 2 and 3 ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation, accelerated damage to defences, loss of habitat

PROPOSED PREFERRED POLICIES (HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)					
Proposed Policy Unit		Epoch 1 (0-20 years)	Epoch 2 (20-50 years)	Epoch 3 (50-100 years)	Comments / Justification
					NAI discounted due to infrastructure, assets, on the flood plain and valuable agricultural land on the fringes of the flood plain MR should be considered as no assets on the marshes, meets environmental objectives creating intertidal habitat, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 23	Oare to Faversham Creek	HTL	HTL	HTL	HTL met the largest number of objectives in Epochs 1, 2 and 3 ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation, accelerated damage to defences, loss of habitat NAI discounted due to infrastructure, assets, on the flood plain and valuable agricultural land on the fringes of the flood plain MR should be considered as no assets on the marshes, meets environmental objectives creating intertidal habitat, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 24	Shell Ness to Sayes Court	HTL	MR	MR	HTL and MR met the largest number of objectives in all 3 epochs Built assets not in flood plain apart from at Shell Ness ATL has been discounted on environmental grounds, adverse affects / loss of habitat and technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas MR should be considered as minimal built assets on the marshes, meets environmental objectives creating intertidal habitat, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 25	Sayes Court to north Elmley Island	NAI / MR	NAI / MR	NAI / MR	HTL and MR met the largest number of objectives in all 3 epochs ATL has been discounted on environmental grounds, adverse affects / loss of habitat and technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, accelerated damage to defences, loss of habitat MR / NAI should be considered as minimal built assets on the marshes, meets environmental objectives creating intertidal habitat, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 26	North Elmley Island to Kingsferry Bridge	HTL	HTL / MR	HTL / MR	HTL and MR met the largest number of objectives in all 3 epochs Minimal built assets on the flood plain, however major infrastructure therefore NAI discounted ATL has been discounted on environmental grounds, adverse affects / loss of habitat and technical grounds,

PROPOSED PREFERRED POLICIES (HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)					
Proposed Policy Unit		Epoch 1 (0-20 years)	Epoch 2 (20-50 years)	Epoch 3 (50-100 years)	Comments / Justification
					adverse affects on estuary processes, faster flows, increased erosion in confined areas, accelerated damage to defences, loss of habitat MR should be considered as minimal built assets on the marshes, meets environmental objectives creating intertidal habitat, more in depth study would be required to ascertain impacts on estuary and habitat creation potential, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u>
E4 27	Kingsferry Bridge to Rushenden	HTL	HTL	HTL	HTL met the largest number of objectives in all 3 epochs, however with weighted score MR met most objectives in all three epochs Opportunity to MR between Kingsferry Bridge and Rushenden Disposal site, opportunity to create habitat, however relatively small area due to infrastructure constraints, more in depth study would be required, any loss of designated habitat may need to be compensated for elsewhere <u>-TO BE DISCUSSED WITH CSG</u> ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation, accelerated damage to defences, loss of habitat
E4 28	Rushenden to Sheerness	HTL	HTL	HTL	HTL met the largest number of objectives in all 3 epochs ATL discounted on technical grounds, adverse affects on estuary processes, faster flows, increased erosion in confined areas, compromises safe navigation, accelerated damage to defences, loss of habitat MR discounted due to relocation of infrastructure, industry, no opportunity to open up a second mouth to the Medway

G4.2 PREFERRED POLICY SCENARIO

Through discussion with the Client Steering Group, the Preferred Policy Scenario was identified for the Medway Estuary and Swale SMP frontage. The main changes from the Proposed Policy Options were:

- (1) Where it was difficult to decide on one policy for a unit, the management unit was split to ensure clarity.**

Bee Ness Jetty to Hoo Marina management unit has been split into:

- E4 03 Kingsnorth Power Station; and,
- E4 04 Kingsnorth Power Station to Cockham Wood;

Motney Hill to Lower Halstow management unit has been split into:

- E4 15 Motney Hill to Ham Green;
- E4 16 Ham Green to East of Upchurch; and,
- E4 17 East of Upchurch to East Lower Halstow;

- (2) Where two adjacent units had the same policy and processes were similar, the management unit was combined.**

- E4 09 Snodland to Allington Lock (Leybourne Lakes and New Hythe to Allington Lock);
- E4 10 Allington Lock to North Wouldham (Allington Lock to Millhall and Millhall to North Wouldham); and,
- E4 23 Murston Pits to Faversham (Murston Pits to Oare and Oare to Faversham Creek);

- (3) Two new management units were added and one renamed to ensure consistency with the open coast SMP management units (Isle of Grain to South Foreland SMP2) and to include the Medway Islands.**

- E4 01 Grain Tower to Colemouth Creek (originally North Grain to Colemouth Creek)
- E4 24 Faversham to Nagden; and,
- E4 30 Medway Islands;

- (4) Along frontages where HTL was originally proposed but there is potential for managed realignment along discrete sections of the frontage, the Client Steering Group has agreed to rename the policy 'Managed Realignment with localised Hold The Line' to allow for more flexible estuary management in the future and to discourage new development in these areas.**

It should be noted that where Managed Realignment or Managed Realignment with localised Hold the Line has been proposed, further studies will be undertaken before any realignment scheme is undertaken. These studies will be required to:

- Identify the best alignment and extent of defences on technical, social, economic and environmental grounds, that best manages flood risk;
- Define the exact standard of protection of any realigned defences along these frontages;
- Investigate implementation methods;
- Assess hydrodynamic impacts of Managed Realignment;
- Investigate future morphological evolution; and,
- Investigate any mitigation measures required for loss of designated habitats.

There should be detailed consideration of future land use, development and infrastructure improvements in all areas of flood and erosion risk, particularly where the policy is not Hold the Line, to enable the shoreline, and the assets affected by it, to adapt in a sustainable, controlled and balanced way.

The following Preferred Policy Scenario Table identifies the policy options for each preferred policy unit agreed by the Client Steering Group to take forward to consultation.

G4.3 PREFERRED POLICY SCENARIO TABLE

PREFERRED POLICY SCENARIO				
(HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)				
Preferred Policy Unit	Epoch 1 0-20 Years	Epoch 2 20-50 Years	Epoch 3 50-100 Years	Supporting Notes
E4 01 Grain Tower to Colemouth Creek	HTL	HTL	HTL	Nationally important industry and infrastructure in the area (Power Station, Thamesport). Area proposed as a Thames Gateway regeneration area. Internationally important intertidal habitat
E4 02 Colemouth Creek to Bee Ness Jetty	MR with localised HTL	MR with localised HTL	MR with localised HTL	Nationally important infrastructure in the area (pipelines, road, railway) therefore NAI not suitable. Some opportunities for managed change to defence line. Internationally important intertidal habitat
E4 03 Kingsnorth Power Station	HTL	HTL	HTL	Nationally important Power Station / infrastructure, also proposal for a new power station along the frontage, therefore NAI / MR not suitable. Internationally important intertidal habitat
E4 04 Power Station to Cockham Wood	MR with localised HTL	MR with localised HTL	MR with localised HTL	Marina and residential community south of Hoo St Werburg.. Some areas identified as being suitable for habitat creation. MR with localised HTL will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 05 Hoo Marina to Lower Upnor	NAI	NAI	NAI	NAI is the current policy for this unit. Some important cliff top Heritage assets will continue to be exposed.
E4 06 Lower Upnor to Medway Bridge	HTL	HTL	HTL	Urban area with a large number of built residential and commercial assets.
E4 07 Medway Bridge to North Halling	HTL	HTL	HTL	Sub-regionally important infrastructure. MR with localised HTL for epochs 2 and 3 to enable more flexible estuary management and better flood and erosion risk management in the future. NOTE: The CSG originally agreed to MR with localised HTL in epochs 2 and 3. However, at the CSG meeting in February 2007 it was agreed that the policy should change to HTL for all three epochs. It would only be possible to realign along a small section of the frontage and this is already compensatory freshwater

PREFERRED POLICY SCENARIO				
(HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)				
Preferred Policy Unit	Epoch 1 0-20 Years	Epoch 2 20-50 Years	Epoch 3 50-100 Years	Supporting Notes
				habitat and therefore not suitable for MR.
E4 08 North Halling to Snodland	MR with localised HTL	MR with localised HTL	MR with localised HTL	Localised Settlements. MR with localised HTL will enable more flexible estuary management and better flood and erosion risk management in the future. A proposal for MR at Halling currently exists.
E4 09 Snodland to Allington Lock	HTL	MR with localised HTL	MR with localised HTL	Nationally important Aylesford Conservation Area & Holborough to Burham Marshes SSSI. Localised Settlements. Some areas are identified as suitable for habitat creation. MR with localised HTL for epochs 2 and 3 will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 10 Allington Lock to north Wouldham	HTL	MR with localised HTL	MR with localised HTL	Nationally important Aylesford Conservation Area. Localised Settlements. Some areas are identified as suitable for habitat creation. MR with localised HTL for epochs 2 and 3 will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 11 Wouldham Marshes	MR	MR	MR	Frontage suitable for habitat creation. Pylons across this frontage render NAI unsuitable. MR will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 12 Medway Bridge to east St Mary's Island	HTL	HTL	HTL	Urban area with a large number of built residential and commercial assets. Internationally important Chatham Dock. Frontage includes multiple areas of proposed regeneration / development.
E4 13 St Mary's Island to the Strand	HTL	HTL	HTL	Urban area with a large number of built residential, commercial and recreation assets therefore MR / NAI not suitable.
E4 14 The Strand to west Motney Hill	HTL	MR	MR	Intertidal internationally designated as SPA and Ramsar and nationally as a SSSI. Potential contaminated land. Sewage pipes run parallel to the shoreline along this frontage. HTL should be implemented in the short term to allow for further study regarding infrastructure & contamination. MR should be the favoured policy for the second and third epochs for sustainability.

PREFERRED POLICY SCENARIO				
(HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)				
Preferred Policy Unit	Epoch 1 0-20 Years	Epoch 2 20-50 Years	Epoch 3 50-100 Years	Supporting Notes
E4 15 Motney Hill to Ham Green	MR with localised HTL	MR with localised HTL	MR with localised HTL	Nor Marsh and Motney Hill are an RSPB Nature Reserve. Localised Settlements. MR with localised HTL will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 16 Ham Green to east of Upchurch	NAI	NAI	NAI	Frontage has a very narrow floodplain due to higher land therefore any built assets will not be at risk from NAI.
E4 17 East of Upchurch to east Lower Halstow	MR with localised HTL	MR with localised HTL	MR with localised HTL	Intertidal internationally designated. Localised Settlements. MR with localised HTL for all three epochs to enable more flexible estuary management and better flood and erosion risk management in the future.
E4 18 Barksore Marshes	MR	NAI	NAI	Coastal grazing marsh internationally designated. Intertidal habitat internationally designated. Areas identified as suitable for habitat creation. MR should be implemented in the 1 st epoch to ensure that the habitat landward of the defences could be appropriately managed followed by NAI for the second and third epochs.
E4 19 Funton to Raspberry Hill	NAI	NAI	NAI	There is no flood or coastal protection issue along this frontage (frontage backed by small road and orchards), therefore HTL would not be sustainable. There are alternative roads to use if this road were to be lost.
E4 20 Chetney Marshes	MR	MR	MR	Part of Chetney Marshes is a compensatory habitat area for the A 249 road. Coastal grazing marsh internationally designated. MR will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 21 Kingsferry Bridge to Milton Creek	HTL	HTL	HTL	Coastal grazing marsh & Intertidal internationally designated Regionally important industrial and commercial area.
E4 22 Milton Creek	HTL	HTL	HTL	Large number of industrial and built assets, and infrastructure along creek, therefore NAI / MR rejected.

PREFERRED POLICY SCENARIO				
(HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)				
Preferred Policy Unit	Epoch 1 0-20 Years	Epoch 2 20-50 Years	Epoch 3 50-100 Years	Supporting Notes
E4 23 Murston Pits to Faversham	HTL	MR with localised HTL	MR with localised HTL	Coastal grazing marsh & Intertidal internationally designated. Areas along the frontage identified as suitable for habitat creation. MR with localised HTL (specifically at Conyer and Oare) will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 24 Faversham to Nagden	HTL	HTL	HTL	Coastal grazing marsh & Intertidal internationally designated. Large number of industrial, commercial and residential assets at Faversham, therefore NAI / MR rejected.
E4 25 Shell Ness to Sayes Court	MR	MR	MR	Coastal grazing marsh & Intertidal internationally designated. National heritage feature at Sayes Court located on high land. Large floodplain, therefore NAI rejected due to uncontrolled flooding of large area of land which may have negative implications on the estuary as a whole. MR will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 26 Sayes Court to north Elmley Island	MR	MR	MR	Coastal grazing marsh & Intertidal internationally designated. National heritage feature at Sayes Court located on high land. Large floodplain, therefore NAI rejected due to uncontrolled flooding of large area of land which may have negative implications on the estuary as a whole. MR will enable more flexible estuary management and better flood and erosion risk management in the future.
E4 27 North Elmley Island to Kingsferry Bridge	HTL	MR	MR	Coastal grazing marsh & Intertidal internationally designated. Large floodplain, therefore NAI rejected due to uncontrolled flooding of large area of land which may have negative implications on the estuary as a whole. HTL should be implemented in the short term to allow for further study regarding MR along the frontage, due to possible implications regarding essential infrastructure (i.e. railway line and A249).
E4 28 Kingsferry Bridge to Rushenden	HTL	MR	MR	Coastal grazing marsh & Intertidal internationally designated. Rushenden dredging disposal site may be contaminated, consequently NAI not suitable. HTL should be implemented in the short term to allow for further study regarding MR along the frontage, due to possible implications regarding essential infrastructure (i.e. railway line, A249 and sewage works) and contamination of land at Rushenden disposal site.
E4 29 Rushenden to	HTL	HTL	HTL	Intertidal internationally designated. Large number of heritage, commercial and residential assets along the frontage, therefore NAI / MR not suitable. Proposed

PREFERRED POLICY SCENARIO				
(HTL – Hold the Line, ATL – Advance the Line, MR – Managed Realignment, NAI – No Active Intervention)				
Preferred Policy Unit	Epoch 1 0-20 Years	Epoch 2 20-50 Years	Epoch 3 50-100 Years	Supporting Notes
Sheerness				regeneration and residential development areas along the frontage.
E4 30 Medway Islands	NAI	NAI	NAI	Monitoring programme will be required to assess future management of the islands.