

Appendix F

Scenario Testing

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F1 OBJECTIVE APPRAISAL

For the baseline scenario of No Active Intervention and for the Preferred Plan scenario, this appendix assesses the extent to which the defined objectives, as laid out in Appendix E, have been 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. the existence of a beach) of the shoreline. This process does not differentiate between objectives of differing importance or the key policy drivers. The differentiation between objectives is made in the Management Area statements, where the recommendations for preferred policy are presented.

For presentation purposes this assessment is recorded as a simple yes/no (Y/N) with brief explanatory text.

A summary plot of the objective appraisal is provided for each of the three epochs in Figures F1, F2, and F3 identifying the percentage of each different theme of objective that has been achieved for both No Active Intervention and the Preferred Plan. This information is tabulated in Tables F1, F2, and F3. The full objective appraisal table is presented for each Management Area in Table F4.

Table F4 has been colour-coded according to the following key:

Flood and Coastal Defence Issue	Affected by Policy
Yes	Yes
No	Yes
Yes	No
No	No
No Objective	

Issues and objectives that were not coastal defence related as well as not being affected by policy have not been included in the summary tables and graphs (five in total). Additionally, issues with no objectives have also not been included (two in total).

Figure F1: Summary Objective Appraisal - By 2025

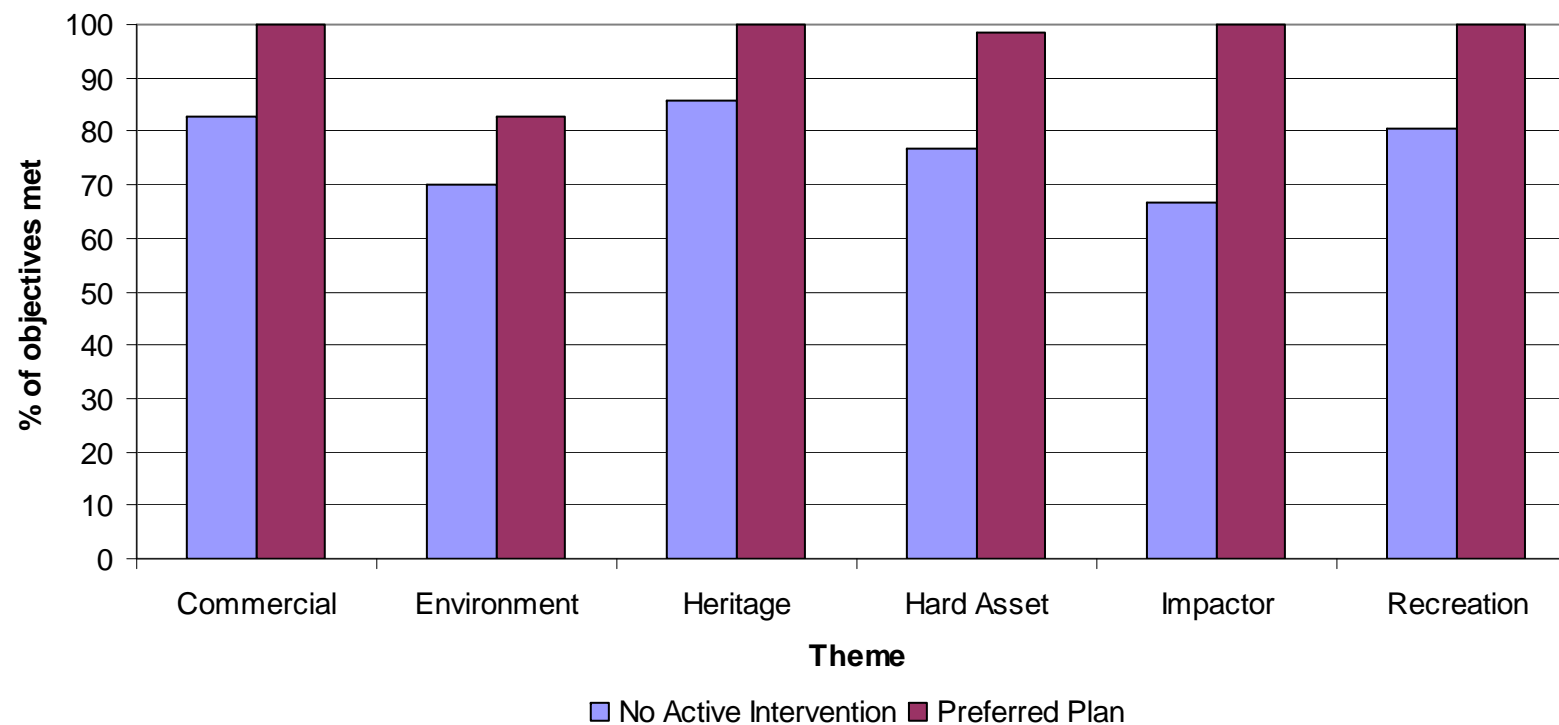


Figure F2: Summary Objective Appraisal - By 2055

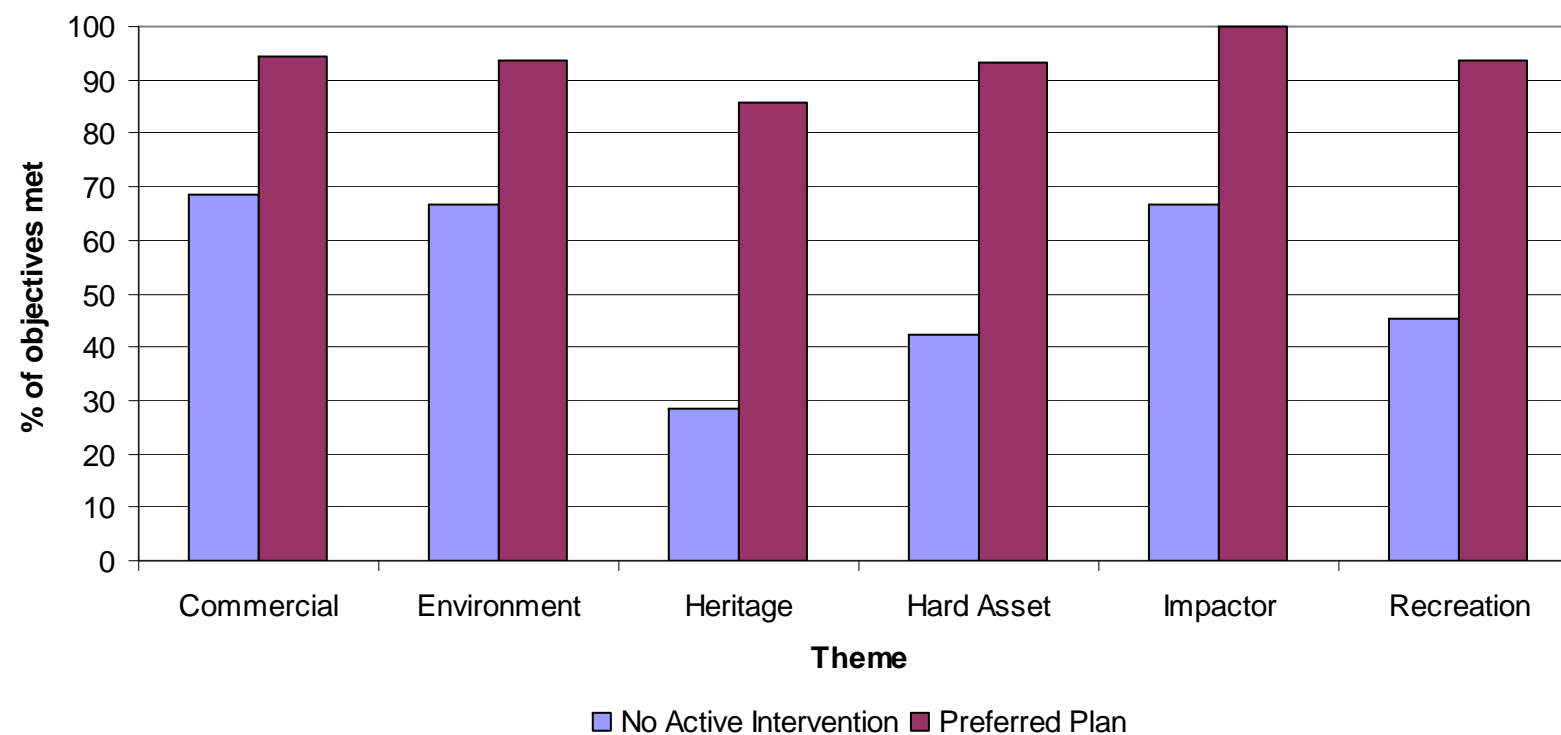


Figure F3: Summary Objective Appraisal - By 2105

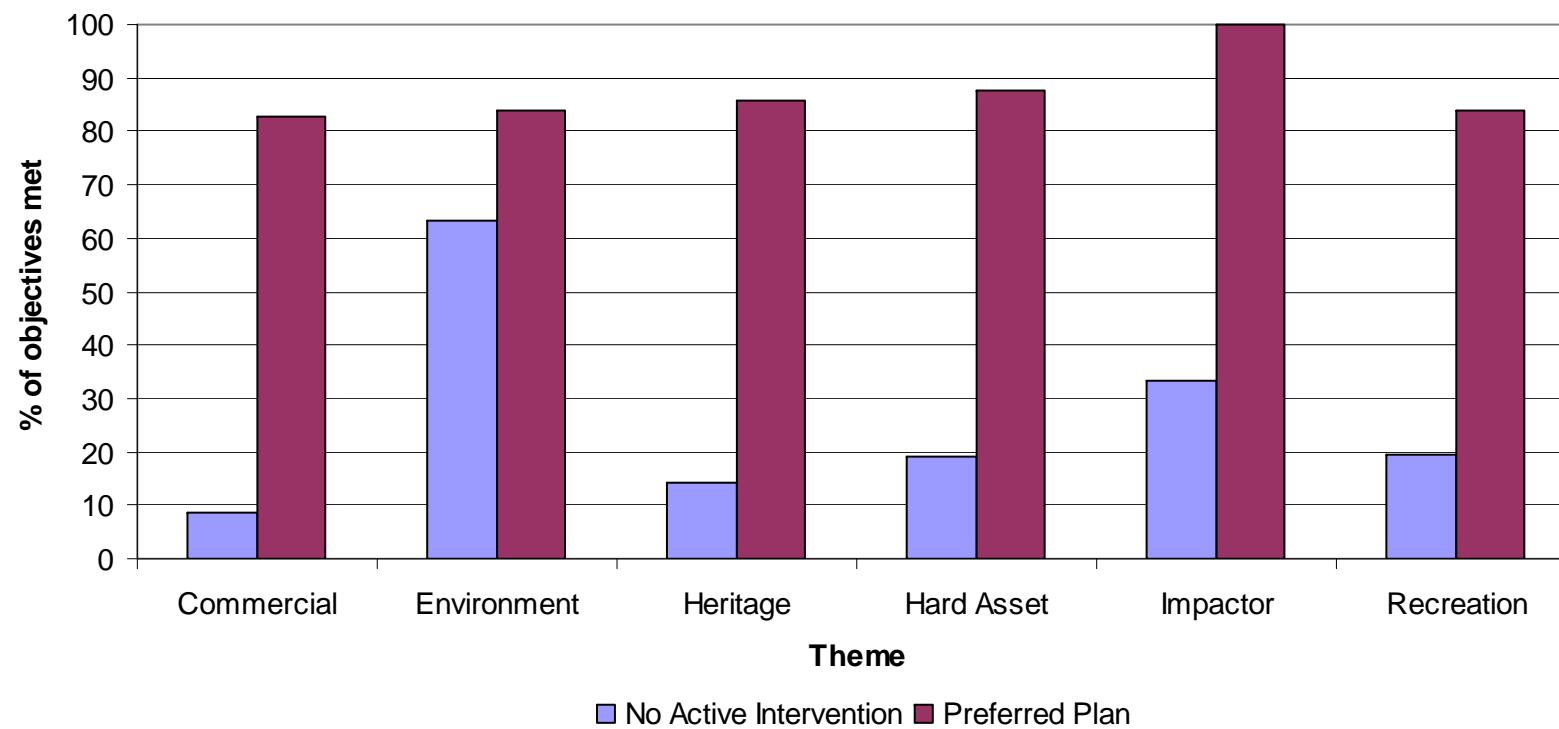


Table F1: Summary of Objective Appraisal for 2025 (Commercial (C); Environment (E); Heritage (H); Hard Asset (HA); Impactor (I); Recreation (R); - = no feature).

Management Area	% of objectives met for No Active Intervention						% of objectives met for Preferred Plan					
	C	E	H	HA	I	R	C	E	H	HA	I	R
MA01	50	100	-	100	100	100	100	100	-	100	100	100
MA02	100	33	-	100	-	100	100	100	-	100	-	100
MA03	100	100	-	100	-	100	100	100	-	100	-	100
MA04	0	0	-	57	0	100	100	100	-	100	100	100
MA05	-	100	-	-	-	-	-	100	-	-	-	-
MA06	100	60	-	100	-	100	100	100	-	100	-	100
MA07	-	100	-	-	100	-	-	100	-	-	100	-
MA08	0	67	0	0	-	0	100	83	100	100	-	100
MA09	100	100	-	0	-	100	100	100	-	100	-	100
MA10	100	100	-	100	-	100	100	100	-	100	-	100
MA11	100	100	-	100	-	100	100	100	-	100	-	100
MA12	0	100	-	0	-	0	100	100	-	0	-	100
MA13	100	100	-	100	-	75	100	100	-	100	-	100
MA14	-	100	-	-	-	-	-	100	-	-	-	-
MA15	100	0	-	100	-	100	100	100	-	100	-	100
MA16	100	100	100	100	-	100	100	100	100	100	-	100
MA17	100	50	-	83	-	100	100	100	-	100	-	100
MA18	100	100	-	100	-	-	100	100	-	100	-	-
MA19	-	40	-	100	-	0	-	40	-	100	-	0
MA20	100	100	100	100	-	100	100	100	100	100	-	100
MA21	100	40	100	100	-	100	100	80	100	100	-	100
MA22	-	100	-	100	-	-	-	100	-	100	-	-
MA23	-	50	-	100	-	-	-	100	-	100	-	-
MA24	-	100	100	100	-	100	-	0	100	100	-	100
MA25	-	-	-	100	-	100	-	-	-	100	-	50
MA26	-	100	-	33	-	0	-	100	-	100	-	100
MA27	100	100	-	100	-	-	100	100	-	100	-	-

Table F2: Summary of Objective Appraisal for 2055 (Commercial (C); Environment (E); Heritage (H); Hard Asset (HA); Impactor (I); Recreation (R); - = no feature).

Management Area	% of objectives met for No Active Intervention						% of objectives met for Preferred Plan					
	C	E	H	HA	I	R	C	E	H	HA	I	R
MA01	50	0	-	100	100	50	25	100	-	100	100	100
MA02	100	33	-	67	-	0	100	100	-	100	-	100
MA03	100	100	-	0	-	100	100	100	-	0	-	100
MA04	0	0	-	43	0	100	100	100	-	86	100	100
MA05	-	100	-	-	-	-	-	100	-	-	-	-
MA06	50	60	-	60	-	100	100	100	-	20	-	100
MA07	-	100	-	-	100	-	-	100	-	-	100	-
MA08	0	67	0	0	-	0	100	83	100	100	-	100
MA09	100	100	-	0	-	100	100	100	-	100	-	100
MA10	0	100	-	75	-	100	100	100	-	100	-	100
MA11	0	100	-	0	-	0	100	100	-	100	-	100
MA12	0	100	-	0	-	0	100	100	-	0	-	100
MA13	100	100	-	100	-	75	100	100	-	100	-	100
MA14	-	75	-	-	-	-	-	100	-	-	-	-
MA15	100	0	-	100	-	0	100	100	-	100	-	100
MA16	100	100	0	0	-	50	100	100	100	100	-	100
MA17	100	50	-	83	-	100	100	100	-	100	-	100
MA18	0	100	-	0	-	-	0	100	-	50	-	-
MA19	-	40	-	0	-	0	-	80	-	100	-	100
MA20	50	100	0	100	-	67	100	100	0	100	-	67
MA21	100	10	100	100	-	0	100	100	100	100	-	100
MA22	-	100	-	0	-	-	-	100	-	100	-	-
MA23	-	50	-	25	-	-	-	100	-	100	-	-
MA24	-	100	33	67	-	0	-	0	100	100	-	100
MA25	-	-	-	0	-	50	-	-	-	100	-	50
MA26	-	100	-	0	-	0	-	100	-	100	-	100
MA27	100	100	-	100	-	-	100	100	-	100	-	-

Table F3: Summary of Objective Appraisal for 2105 (Commercial (C); Environment (E); Heritage (H); Hard Asset (HA); Impactor (I); Recreation (R)).

Management Area	% of objectives met for No Active Intervention						% of objectives met for Preferred Plan					
	C	E	H	HA	I	R	C	E	H	HA	I	R
MA01	0	0	-	100	0	0	25	100	-	100	100	0
MA02	0	0	-	0	-	0	100	100	-	67	-	0
MA03	0	100	-	0	-	0	100	100	-	100	-	100
MA04	0	0	-	29	0	100	100	100	-	71	100	100
MA05	-	100	-	-	-	-	-	100	-	-	-	-
MA06	0	60	-	60	-	100	50	100	-	20	-	100
MA07	-	100	-	-	100	-	-	100	-	-	100	-
MA08	0	67	0	0	-	0	100	83	100	100	-	100
MA09	0	100	-	0	-	100	100	100	-	100	-	100
MA10	0	100	-	50	-	0	100	100	-	75	-	100
MA11	0	100	-	0	-	0	100	100	-	100	-	100
MA12	0	100	-	0	-	0	100	100	-	0	-	100
MA13	0	100	-	100	-	0	100	100	-	100	-	100
MA14	-	75	-	-	-	-	-	100	-	-	-	-
MA15	0	0	-	0	-	0	100	100	-	100	-	100
MA16	100	100	0	0	-	50	100	100	100	100	-	100
MA17	0	50	-	17	-	0	100	100	-	33	-	100
MA18	0	100	-	0	-	-	0	100	-	50	-	-
MA19	-	40	-	0	-	0	-	80	-	100	-	100
MA20	0	100	0	0	-	0	100	100	0	100	-	67
MA21	50	40	0	0	-	0	75	100	100	100	-	100
MA22	-	100	-	0	-	-	-	100	-	100	-	-
MA23	-	50	-	25	-	-	-	100	-	100	-	-
MA24	-	100	33	67	-	0	-	0	100	100	-	100
MA25	-	-	-	0	-	50	-	-	-	100	-	50
MA26	-	75	-	0	-	0	-	100	-	100	-	100
MA27	0	0	-	0	-	-	100	0	-	100	-	-

Table F4: Objective Appraisal

Management Area:		MA01	Location:			Scottish Border to the North Breakwater								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Sustainability of coastal villages	C	To ensure the sustainability of coastal villages.	Not Affected		Not Affected		Not Affected		Not Affected		Not Affected		Not Affected	
Port and harbour related developments	I	To ensure protection of valuable assets during port/harbour developments.	Further deterioration of defences	Y	Further deterioration of defences	Y	Failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Maintained	Y	Loss due to deterioration of breakwater	N	Lost due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Berwick and North Northumberland Shore SAC	E	No Objective												
Caravan park	C	To maintain function of caravan park.	No Change	N	Loss due to cliff instability	N	Loss due to cliff instability	N	No Change	Y	Loss due to cliff instability	N	Loss due to cliff instability	N
Main line railway	HA	To protect railway line.	Not Affected	Y	Not Affected	Y	Not Affected	Y	Not Affected	Y	Not Affected	Y	Not Affected	Y
Caravan park	C	To maintain function of caravan park.	No Change	Y	No change	Y	Loss due to erosion	N	No Change	Y	No change	Y	Loss due to erosion	N
Recreational beach	R	To maintain beach use and ensure safe access.	Access maintained	Y	Loss due to cliff instability	N	Loss due to cliff instability	N	Access maintained	Y	Access maintained	Y	Loss due to cliff instability	N
Golf course	C	To maintain function of golf course.	No Change	Y	No change	Y	Loss due to erosion	N	No Change	Y	No change	Y	Loss due to erosion	N
Coast Guard station	R	To maintain service of coast guard station.	No Change	Y	No Change	Y	Risk from erosion	N	No Change	Y	No Change	Y	Risk from erosion	N
North breakwater	C	To maintain navigation to Berwick Harbour.	Further deterioration.	N	Further deterioration	N	Failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA02	Location:			The Breakwater and Estuary through to Bear's Head								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Potential loss of intertidal habitat due to sea level rise and coastal squeeze	N	Potential loss of intertidal habitat due to sea level rise and coastal squeeze	N	Significant impact to habitats due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Berwick Harbour	C	To maintain integrity of the harbour.	No change	Y	No Change	Y	Loss of integrity due to failure of breakwater	N	No change	Y	No Change	Y	Maintained	Y
Berwick Harbour	C	To maintain adequate depth and protection at the river mouth to support use of harbour.	No change	Y	No change	Y	Failure of breakwater altering channel depth, protection lost	N	No change	Y	No change	Y	Maintained	Y
River Tweed estuary	C	To maintain navigability of the estuary.	No change	Y	No change	Y	Loss of navigability due to failure of breakwater	N	No change	Y	No change	Y	Maintained	Y
Tweed Estuary SAC	E	To maintain the key conservation features of the European designated site.	Potential loss of intertidal habitat due to sea level rise and coastal squeeze	N	Potential loss of intertidal habitat due to sea level rise and coastal squeeze	N	Significant impact to habitats due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA02	Location:				The Breakwater and Estuary through to Bear's Head							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Tweed Catchment Rivers - England: Lower Tweed and Whiteadder SSSI	E	To maintain site integrity in favourable condition.	No change	Y	No change	Y	Site integrity lost due to failure of breakwater	N	No change	Y	No change	Y	Maintained	Y
Northumberland Coast AONB	E	To maintain site integrity and contribute towards favourable conservation status, ensuring recreational and tourism values.	Any coastal change will affect the AONB (positively as well as adversely) as it occupies the coastal strip and marine interface		Any coastal change will affect the AONB (positively as well as adversely) as it occupies the coastal strip and marine interface		Any coastal change will affect the AONB (positively as well as adversely) as it occupies the coastal strip and marine interface		Any coastal change will affect the AONB (positively as well as adversely) as it occupies the coastal strip and marine interface		Any coastal change will affect the AONB (positively as well as adversely) as it occupies the coastal strip and marine interface		Any coastal change will affect the AONB (positively as well as adversely) as it occupies the coastal strip and marine interface	
Potential redevelopment, Spittal Point	HA	To maintain opportunity for regeneration.	No Change	Y	No Change	Y	Loss through erosion due to failure of breakwater	N	No Change	Y	Risk of flooding through sea level rise and increased river flows	Y	Increased vulnerability through flooding and erosion from sea level rise and increased river flows	N
Beach access	R	To maintain beach, access and facilities.	Cyclical gain and loss	Y	Progressive erosion leading to the failure of Spittal	N	Increased rate of loss	N	Cyclical gain and loss	Y	Maintained	Y	Increasing erosion and wave energy may reduce beach levels	N

Management Area:		MA02	Location:		The Breakwater and Estuary through to Bear's Head									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
					defences									
Residential properties	HA	To maintain protection to area.	No change	Y	Protection lost due to failure of defences	N	Further flooding and erosion.	N	No Change	Y	Maintained	Y	Maintained	Y
Road and railway line	HA	To protect railway line.	No change	Y	No change	Y	Loss of railway line due to instability	N	No change	Y	No change	Y	Maintained	Y

Management Area:		MA03	Location:		Bear's Head to Cheswick Shiel									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA03	Location:				Bear's Head to Cheswick Shiel							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Sea House Farm	HA	To protect property.	No Change	Y	Risk of loss due to slope instability	N	Risk of loss due to slope instability	N	No Change	Y	Slope stabilised	N	Slope stabilised	Y
Car parks and beaches	R	To maintain recreational function of coast.	No Change	Y	No Change	Y	Risk of loss due to slope instability	N	No Change	Y	No Change	Y	Slope stabilised	Y
Golf course	C	To maintain function of golf course.	No Change	Y	No Change	Y	Risk of loss due to slope instability	N	No Change	Y	No Change	Y	Slope stabilised	Y
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Lindisfarne SPA	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA03	Location:				Bear's Head to Cheswick Shiel							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Lindisfarne Ramsar site	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA04	Location:		Far Skerr to and including Budle Bay and the southern coast of Holy Island									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Maintained	Y	Maintained	Y	Maintained	Y
Sand dunes; majority fall within the North Northumberland Dunes SAC and Lindisfarne SPA/Ramsar site	E	To maintain the key conservation features if the designated sites in favourable condition.	Landward progression of shoreline and dunes	N	Landward progression of shoreline and dunes	N	Shoreline forced back to current dune line, loss of fore dunes. More substantial, higher rear dunes	N	Maintained	Y	Maintained	Y	Maintained	Y
Public safety	R	To ensure the safety of the public.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Brockmill Farm	E	To encourage managed realignment with the potential to create new habitats and reduce coastal squeeze.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Increased saltmarsh and mudflats, reduced coastal squeeze	Y	Increased saltmarsh and mudflats, reduced coastal squeeze	Y	Increased saltmarsh and mudflats, reduced coastal squeeze	Y
Properties	HA	To maintain protection to property.	Increased risk of flooding	N	Increased risk of flooding	N	Increased risk of flooding	N	Maintained	Y	Maintained	Y	Maintained	Y
Farmland	C	To maintain regional economy through existing agricultural practise.	Increased risk of flooding	N	Increased risk of flooding	N	Increased risk of flooding	N	Maintained	Y	Maintained	Y	Maintained	Y
Residential properties	HA	To prevent loss of residential properties from erosion.	No change	Y	No change	Y	Risk of erosion	N	No change	Y	No change	Y	No change	N

Management Area:		MA04	Location:				Far Skerr to and including Budle Bay and the southern coast of Holy Island							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Beal Farm	I	To create opportunity for environmental enhancement.	No change	N	No change	N	No change	N	Increased habitats through MR	Y	Increased habitats through MR	Y	Increased habitats through MR	Y
Holy Island causeway	HA	To maintain access to Holy Island.	Siltation prevent access	N	Siltation prevent access	N	Siltation prevent access	N	Maintained	Y	Maintained	Y	Maintained	Y
Residential area	HA	To protect local community.	Not affected	Y	Not affected	Y	Not affected	Y	Not affected	Y	Not affected	Y	Not affected	Y
Village, priory, harbour and castle	HA	To maintain protection to community.	Not affected	Y	Not affected	Y	Not affected	Y	Not affected	Y	Not affected	Y	Not affected	Y
Lindisfarne SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Maintained. Increased intertidal mudflat and saltmarsh habitats	Y	Maintained. Increased intertidal mudflat and saltmarsh habitats	Y	Maintained. Increased intertidal mudflat and saltmarsh habitats	Y
Lindisfarne Ramsar	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Maintained. Increased intertidal mudflat and saltmarsh habitats	Y	Maintained. Increased intertidal mudflat and saltmarsh habitats	Y	Maintained. Increased intertidal mudflat and saltmarsh habitats	Y

Management Area:		MA04	Location:				Far Skerr to and including Budle Bay and the southern coast of Holy Island							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Lindisfarne SSSI	E	To maintain site integrity in favourable condition and recreational value.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Maintained	Y	Maintained	Y	Maintained	Y
Lindisfarne NNR	E	To maintain site integrity in favourable condition and recreational value.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Maintained	Y	Maintained	Y	Maintained	Y
North Northumberland Dune SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Landward progression of shoreline and dunes	N	Landward progression of shoreline and dunes	N	Shoreline forced back to current dune line, loss of fore dunes. More substantial, higher rear dunes	N	Maintained. Evolution of dunes on Goswick and Holy Island Sands encouraged	Y	Maintained. Evolution of dunes on Goswick and Holy Island Sands encouraged	Y	Maintained. Evolution of dunes on Goswick and Holy Island Sands encouraged	Y
Ross Links; within North Northumberland Dunes SAC	E	To encourage managed realignment with the potential to create new habitats and reduce coastal squeeze. To maintain key conservation features of European site in favourable condition.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA04	Location:						Far Skerr to and including Budle Bay and the southern coast of Holy Island					
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Salt marsh and mudflats; situated within Berwickshire and Northumberland Coast SAC and Lindisfarne SPA/Ramsar site	E	To promote the facilitation of rollback to allow natural landward progression of habitats. To maintain key conservation features of European site in favourable condition.	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Loss of habitat due to coastal squeeze	N	Increased intertidal mudflat and saltmarsh habitats	Y	Increased intertidal mudflat and saltmarsh habitats	Y	Increased intertidal mudflat and saltmarsh habitats	Y
Residential properties	HA	To maintain protection to community.	Increased risk of flooding	N	Increased risk of flooding	N	Increased risk of flooding	N	Maintained	Y	Maintained	Y	Maintained	Y
B1342 road	HA	To maintain access.	No Change	Y	Loss through erosion	N	Loss through erosion	N	No Change	Y	Loss through erosion	N	Loss through erosion	N
Golf course	C	To maintain function of golf course.	Increased risk of flooding	N	Increased risk of flooding	N	Increased risk of flooding	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA05	Location:				The north and east coast of Holy Island							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
North Northumberland Dune SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Lindisfarne SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Lindisfarne Ramsar	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA06	Location:				Budle Bay to, and including, Seahouses							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Loss of dunes due to sea level rise	N	Loss of dunes due to sea level rise	N	Loss of dunes due to sea level rise	N	Promote roll-back	Y	Promote roll-back	Y	Promote roll-back	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA06	Location:				Budle Bay to, and including, Seahouses							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Lindisfarne SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Lindisfarne Ramsar	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Bamburgh Dunes SSSI; part of North Northumberland Dunes SAC	E	To maintain site integrity in favourable condition and recreational value, and promote roll-back.	Loss of dunes due to sea level rise	N	Loss of dunes due to sea level rise	N	Loss of dunes due to sea level rise	N	Promote roll-back	Y	Promote roll-back	Y	Promote roll-back	Y
Local properties	HA	To maintain protection to properties.	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y
Coast Guard lookout	R	To maintain safety service.	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y
B1340 road	HA	To maintain access.	No Change	Y	Loss due to erosion	N	Loss due to erosion	N	No Change	Y	Loss due to erosion	N	Loss due to erosion	N

Management Area:		MA06	Location:				Budle Bay to, and including, Seahouses							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Farne Islands SPA	E	To maintain the conservation features of the European designated site.	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y
Farne Islands NNR	E	To maintain site integrity in favourable condition and recreational value.	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y
Property to north of village	HA	To maintain protection to properties.	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y	No Change	Y
Commercial, residential and industrial properties	HA	To protect important assets and maintain community.	No Change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Seahouses harbour	C	To maintain the integrity of the harbour.	No Change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Caravan park	C	To maintain function of caravan park.	No change	Y	No Change	Y	Loss due to erosion	N	No change	Y	No Change	Y	Loss due to erosion	N
Coast road (area in land of road)	E	To promote the creation of saline lagoons	No change	N	No change	N	No change	N	Saline lagoons promoted	Y	Saline lagoons promoted	Y	Saline lagoons promoted	Y
Sewage treatment works	HA	To maintain function of sewage works.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA07	Location:				Seahouses to Beadnell							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA07	Location:				Seahouses to Beadnell							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Coast road	I	To monitor the impact of the coast road on dune system and seek landward movement.	Not a constraint within the SMP period	Y	Not a constraint within the SMP period	Y	Not a constraint within the SMP period	Y	Not a constraint within the SMP period	Y	Not a constraint within the SMP period	Y	Not a constraint within the SMP period	Y

Management Area:		MA08	Location:				Beadnell to Beadnell Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Maintained	Y	Maintained	Y	Maintained	Y
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Habitat loss due to coastal squeeze	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA08	Location:				Beadnell to Beadnell Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Properties seaward of harbour road	HA	To maintain protection to property.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Harbour Road	HA	To maintain access.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Property along Harbour Road	HA	To protect property.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Beadnell Harbour	HA	To maintain function of harbour.	Access lost due to erosion	N	Access lost due to erosion	N	Access lost due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Lime Kiln	H	To maintain protection.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Residential property	HA	To maintain protection to property.	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Maintained	Y	Maintained	Y	Maintained	Y
Car park	HA	To maintain car park area.	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Maintained	Y	Maintained	Y	Maintained	Y
Caravan park	C	To maintain function of caravan park supporting regional economy.	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Maintained	Y	Maintained	Y	Maintained	Y
Beadnell Bay beach	R	To maintain beach quality, function and access.	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Maintained	Y	Maintained	Y	Maintained	Y
Newton Links SSSI; part of North Northumberland Dunes SAC	E	To maintain conservation features of this SSSI in favourable condition. To maintain coastal defence.	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Loss due to loss of harbour	N	Maintained	Y	Maintained	Y	Maintained	Y
Saline lagoons opportunities	E	To promote the creation of saline lagoons.	Not Promoted	N	Not Promoted	N	Not Promoted	N	Not Promoted	N	Not Promoted	N	Not Promoted	N

Management Area:		MA09	Location:				Embleton Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	No significant change	Y	No significant change	Y	No significant change	Y	No significant change	Y	No significant change	Y	No significant change	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Community	HA	To maintain protection to community.	Loss due to failure of defences	N	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Properties within dunes	HA	To maintain properties.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA09	Location:				Embleton Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Coast road	E	To allow the natural landward progression of the dune system, thus retaining natural coastal defence properties.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Golf course	C	To maintain function of golf course.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	No change	Y
Embleton Bay beach	R	To maintain beach quality, function and access.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y

Management Area:		MA10	Location:		Castle Rock to Boulmer									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	No significant change	Y	No significant change	Y	No significant change	Y	No significant change	Y	No significant change	Y	No significant change	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Property to north of village	HA	To maintain protection to property.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Craster Harbour	C	To maintain function of harbour.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Craster village	HA	To maintain protection to property.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA10	Location:		Castle Rock to Boulmer									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Coastal road, Howick	HA	To maintain transport link.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Loss due to erosion	N
Property on cliff edge	HA	To maintain protection to property.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Car park and beach	R	To maintain access and recreational use of the coast.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y

Management Area:		MA11	Location:		Boulmer to Seaton Point									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y	Maintained	Y
Boulmer Village	HA	To maintain coastal community.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	No change	Y	Maintained	Y	Maintained	Y
Inshore rescue station	R	To maintain service.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	No change	Y	Maintained	Y	Maintained	Y

Management Area:		MA11	Location:			Boulmer to Seaton Point								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Boat park and launch facility	C	To maintain facility for boat storage and launching.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	No change	Y	Maintained	Y	Maintained	Y
Car parks, open space and beaches	R	To maintain open space, beaches and character of area.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	No change	Y	Maintained	Y	Maintained	Y

Management Area:		MA12	Location:		Foxton Bay									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Properties in open ground	HA	To maintain and manage use of area.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N
Access point	R	To maintain safe access.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Foxton Hall golf course	R	To maintain function of golf course.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Foxton Hall golf club house	C	To maintain protection to club house.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA13	Location:				Alnmouth Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Berwick and North Northumberland Shore SAC	E	To maintain the conservation features of the European designated site.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y
River Aln estuary; within Alnmouth Saltmarsh and Dunes SSSI and part of North Northumberland Dunes SAC	E	To maintain habitats in favourable condition.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage change	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y
Golf course	R	To maintain the function of the golf course.	No change	Y	No change	Y	Loss due to breach of defences	N	Maintained by MR	Y	Maintained by MR	Y	Maintained by MR	Y
Car park and access	R	To maintain car park area and manage access to beach.	No change	Y	No change	Y	Loss due to breach of defences	N	Maintained by MR	Y	Maintained by MR	Y	Maintained by MR	Y
Alnmouth Beach	R	To maintain beach and beach use.	Erosion of frontage	N	Erosion of frontage	N	Erosion of frontage	N	Maintained through defence of Church Hill	Y	Maintained through defence of Church Hill	Y	Maintained through defence of Church Hill	Y
Alnmouth village sea front	HA	To maintain protection to the sea front properties.	Low flood risk	Y	Low flood risk	Y	Low flood risk	Y	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA13	Location:				Alnmouth Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Alnmouth village estuary frontages	HA	To maintain defence to community.	Low flood risk	Y	Low flood risk	Y	Low flood risk	Y	Maintained	Y	Maintained	Y	Maintained	Y
Alnmouth boat club area	R	To maintain use of boat park and slipway.	No change	Y	No change	Y	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Birling Crag caravan park	C	To maintain function of caravan park.	No change	Y	No change	Y	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Sand dunes; mostly within North Northumberland Dunes SAC	E	To encourage managed realignment with the potential to create new habitats and reduce coastal squeeze. To maintain key conservation features of European site in favourable condition.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage change	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y	MR compensate for coastal squeeze	Y

Management Area:		MA14	Location:				Birling Links							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	MR mitigate for north breakwater	Y	Natural evolution of frontage	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Coast road	E	To allow the natural landward progression of the dune system, thus retaining natural coastal defence properties.	No change	Y	Risk of breach of dunes	N	Risk of breach of dunes	N	No change	Y	MR through dunes	Y	Natural evolution of frontage	Y

Management Area:		MA15	Location:				Amble and Coquet Estuary							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y
North breakwater	C	To maintain navigation to Warkworth Harbour.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA15	Location:			Amble and Coquet Estuary								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
South breakwater and jetty	R	To maintain navigation to Warkworth Harbour and maintain tourism function.	No change	Y	Loss due to failure of breakwater	N	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Warkworth Harbour	C	To maintain adequate depth at the river mouth to support use of harbour.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Warkworth Harbour	C	To maintain navigability of the estuary.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Warkworth Dunes and Saltmarsh SSSI; within North Northumberland Dunes SAC.	E	To encourage managed realignment with the potential to create new habitats and reduce coastal squeeze. To maintain key conservation features of European site in favourable condition.	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y
Coquet Estuary	E	To maintain habitats in favourable condition.	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y

Management Area:		MA15	Location:				Amble and Coquet Estuary							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Saltmarsh; within Warkworth Dunes and Saltmarsh SSSI and North Northumberland Dunes SAC	E	To maintain habitat in favourable condition.	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y
Coquet Estuary	E	To promote the creation of saltmarsh/ mudflat habitats.	Coastal squeeze affecting habitats	N	Sea level rise and coastal squeeze impact on habitats	N	Sea level rise and coastal squeeze impact on habitats. Loss of north breakwater impact on habitats	N	MR to mitigate	Y	MR to mitigate	Y	Breakwater maintained MR to mitigate	Y
Amble waterfront and properties	HA	To maintain protection to properties and harbour front.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Amble Marina	C	To maintain adequate water depth for the use of the marina.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Amble Marina	C	To ensure the future integrity of the marina.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA16	Location:			South Amble								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
North Northumberland Dunes SAC	E	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Increased intertidal area	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Increased intertidal area	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Increased intertidal area	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Coquet Island SPA	E	To maintain the conservation features of the European designated site. To maintain recreational value.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y

Management Area:		MA16	Location:				South Amble							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Island View and Cliff House	HA	To prevent loss of residential and commercial properties from erosion.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Cemetery	H	To maintain protection of cemetery.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Car park	R	To maintain access and recreational use of the coast.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Sand dunes	E	To maintain site integrity and favourable conservation status.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Residential properties	C	To ensure the dunes natural defence capabilities.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Sand dunes	R	To provide sustainable access and recreation to the dunes without affecting their natural defence.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumberland Shore SSSI	E	To maintain site integrity and contribute towards favourable conservation status, ensuring recreational and tourism values.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y

Management Area:		MA17	Location:			Beacon Hill to Creswell								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Coastal squeeze impacting on high tide roosts	Y	Failure of defences at Hauxley reduces coastal squeeze	Y	Failure of defences at Hauxley reduces coastal squeeze	Y	Coastal squeeze impacting on high tide roosts	Y	MR to mitigate for defences at Low Hauxley	Y	MR to mitigate for defences at Low Hauxley	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Coastal squeeze impacting on high tide roosts	Y	Failure of defences at Hauxley reduces coastal squeeze	Y	Failure of defences at Hauxley reduces coastal squeeze	Y	Coastal squeeze impacting on high tide roosts	Y	MR to mitigate for defences at Low Hauxley	Y	MR to mitigate for defences at Low Hauxley	Y
Low Hauxley Shore SSSI	E	To maintain site integrity.	Coastal squeeze impacting on high tide roosts	Y	Failure of defences at Hauxley reduces coastal squeeze	Y	Failure of defences at Hauxley reduces coastal squeeze	Y	Coastal squeeze impacting on high tide roosts	Y	MR to mitigate for defences at Low Hauxley	Y	MR to mitigate for defences at Low Hauxley	Y
Beacon Hill properties	HA	To maintain protection to properties.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Maintained	Y
Coast road	HA	To maintain access to village.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Loss due to erosion	N

Management Area:		MA17	Location:				Beacon Hill to Creswell							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Low Hauxley village	HA	To maintain protection to properties.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Maintained	Y
Caravan park	C	To maintain function of caravan park.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Maintained	Y
Ponds and freshwater area	R	To maintain function of ponds.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Maintained	Y
Coastal road	HA	To maintain transport route.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Loss due to erosion	N
Visitor centre	HA	To maintain visitor centre and associated coastal area.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Cresswell Ponds SSSI	E	To maintain conservation features of this SSSI in favourable condition.	Impacts from changes in salinity	N	Impacts from changes in salinity	N	Impacts from changes in salinity	N	Maintained	Y	Maintained	Y	Maintained	Y
Cresswell Village	HA	To maintain protection to village.	Loss due to flooding	N	Loss due to flooding	N	Loss due to flooding	N	Maintained	Y	Maintained	Y	Maintained	Y
Sand dunes; including Hadston Links SSSI	E	To encourage managed retreat of the dune system and creation of habitats. To maintain conservation features of SSSI in favourable condition.	Loss due to sea level rise	N	Loss due to sea level rise	N	Loss due to sea level rise	N	Habitat creation through MR	Y	Habitat creation through MR	Y	Habitat creation through MR	Y
Sand dunes; including Hadston Links SSSI (Area in land of SSSI)	E	To promote effective land management, facilitating the natural landward progression of the dunes. To maintain conservation features of SSSI in favourable condition.	Loss due to sea level rise	N	Loss due to sea level rise	N	Loss due to sea level rise	N	Habitat creation through MR	Y	Habitat creation through MR	Y	Habitat creation through MR	Y

Management Area:		MA18	Location:				Broad Sands Rocks to Snab Point							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Short term defences may impact on features	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Short term defences may impact on features	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Coast road	HA	To maintain access link.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	No change	Y	Maintained	Y	Maintained	Y
Caravan park	C	To maintain function of caravan park.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	No change	Y	Loss due to erosion	N	Loss due to erosion	N
Properties	HA	To maintain protection to property.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	No change	Y	Loss due to erosion	N	Loss due to erosion	N

Management Area:		MA18	Location:			Broad Sands Rocks to Snab Point								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Within Cresswell and Newbiggin Shores SSSI and Northumberland Shore SSSI; important geological features as identified under the GCR	E	To maintain conservation features of this SSSI in favourable condition.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y

Management Area:		MA19	Location:				Lynemouth Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Potential for contaminated mine spoil to impact on features	Y	Potential for contaminated mine spoil to impact on features	Y	Potential for contaminated mine spoil to impact on features	Y	Potential for contaminated mine spoil to impact on features.	Y	Potential for contaminated mine spoil to impact on features. MR will increase habitats.	Y	Potential for contaminated mine spoil to impact on features. MR will increase habitats.	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Potential for contaminated mine spoil to impact on features	Y	Potential for contaminated mine spoil to impact on features	Y	Potential for contaminated mine spoil to impact on features	Y	Potential for contaminated mine spoil to impact on features.	Y	Potential for contaminated mine spoil to impact on features. MR will increase habitats.	Y	Potential for contaminated mine spoil to impact on features. MR will increase habitats.	Y
Lynemouth Power Station	HA	To maintain protection to power station.	No change	Y	Loss due to failure of defences	N	Loss due to erosion and failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Beach	R	To maintain bathing beach for recreational use.	Loss through erosion	N	Loss through erosion	N	Loss through erosion	N	Loss through erosion	N	Mitigated by MR	Y	Mitigated by MR	Y
Beach and dunes	E	To improve quality of beach and dunes. To create opportunity for environmental enhancement.	Loss through erosion	N	Loss through erosion	N	Loss through erosion	N	Loss through erosion	N	Mitigated by MR	Y	Mitigated by MR	Y

Management Area:		MA19	Location:		Lynemouth Bay									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Contaminated land and groundwater	E	To prevent contamination by mine water.	Not Affected		Not Affected		Not Affected		Not Affected		Not Affected		Not Affected	
Saltmarsh	E	To maintain habitat in favourable condition.	Loss through erosion	N	Loss through erosion	N	Loss through erosion	N	Loss through erosion	N	Mitigated by MR	Y	Mitigated by MR	Y
Saline lagoons	E	To monitor lagoons for the effect of subsidence, consider alternative locations.	No change	N	No change	N	No change	N	No change	N	No change	N	No change	N

Management Area:		MA20	Location:				Newbiggin Moor and Newbiggin Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y	Natural evolution of the coastline	Y
Newbiggin golf club	R	To protect the golf club.	No Change	Y	Loss due to erosion	N	Loss due to erosion	N	No Change	Y	Loss due to erosion	N	Loss due to erosion	N
Mile Tower, golf club	H	To protect heritage asset.	No Change	Y	Loss due to erosion	N	Loss due to erosion	N	No Change	Y	Loss due to erosion	N	Loss due to erosion	N
Church Point caravan site	C	To maintain the function of the caravan park.	No Change	Y	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Newbiggin Village and sea front	HA	To maintain protection to the sea front properties.	No change	Y	No change	Y	Failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Newbiggin Beach	R	To maintain good beach and beach use.	No change	Y	No change	Y	Loss due to sediment loss	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA20	Location:		Newbiggin Moor and Newbiggin Bay									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Newbiggin Sailing Club	R	To support and maintain the use of boats and maintain the launch facilities.	No change	Y	No change	Y	Loss due to sediment loss	N	Maintained through beach management	Y	Maintained through beach management	Y	Maintained through beach management	Y
Industrial estate	C	To maintain protection to site.	No change	Y	No change	Y	Failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA21	Location:				Spital Point to Blyth East Pier							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Wansbeck amenity barrage has a negative effect on the biodiversity of the estuary.	N	Wansbeck amenity barrage has a negative effect on the biodiversity of the estuary.	N	Wansbeck amenity barrage has a negative effect on the biodiversity of the estuary.	N	Maintained through management options. MR increases intertidal habitats	Y	Maintained through management options. MR increases intertidal habitats	Y	Maintained through management options. MR increases intertidal habitats	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Wansbeck amenity barrage has a negative effect on the biodiversity of the estuary.	N	Wansbeck amenity barrage has a negative effect on the biodiversity of the estuary.	N	Wansbeck amenity barrage has a negative effect on the biodiversity of the estuary.	N	Maintained through management options. MR increases intertidal habitats	Y	Maintained through management options. MR increases intertidal habitats	Y	Maintained through management options. MR increases intertidal habitats	Y
Sandy Bay caravan site	C	To maintain function of caravan park.	No change	Y	No change	Y	Loss due to erosion	N	No change	Y	No change	Y	Loss due to erosion	N
Cresswell and Newbiggin Shores SSSI	E	To maintain site integrity.	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y
Cresswell and Newbiggin Shores SSSI	E	To maintain geological features.	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y	Natural exposure maintained	Y
River Wansbeck estuary	C	To maintain navigation.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y

Management Area:		MA21	Location:				Spital Point to Blyth East Pier							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
River Wansbeck estuary	E	To maintain biodiversity. To create opportunity for environmental restoration/enhancement.	No change	N	No change	N	No change	N	No change	N	Habitat creation through MR	Y	Habitat creation through MR	Y
River Wansbeck	C	To maintain navigability of river mouth.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Boat launching facility	R	To maintain facility.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	No change	Y	Protected through management options	Y	Protected through management options	Y
Cambois House	H	To maintain protection.	No change	Y	Deterioration of defences	Y	Loss due to erosion	N	No change	Y	Protected through management options	Y	Protected through management options	Y
Residential houses near Cambois House	HA	To maintain protection.	No change	Y	Deterioration of defences	Y	Loss due to erosion	N	No change	Y	Protected through management options	Y	Protected through management options	Y
North pier	C	To maintain navigation structure.	No change	Y	No change	Y	Failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA22	Location:				Blyth Harbour							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Failure of defences would reduce coastal squeeze	Y	No significant change	Y	No significant change	Y	No significant change	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Failure of defences would reduce coastal squeeze	Y	No significant change	Y	No significant change	Y	No significant change	Y
Blyth Estuary	E	To maintain conservation value and manage any existing structures for bird use, whether retaining a FCD function or not.	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Failure of defences would reduce coastal squeeze	Y	No significant change	Y	No significant change	Y	No significant change	Y

Management Area:		MA22	Location:				Blyth Harbour							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Blyth Estuary	E	To maintain habitats in favourable condition.	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Loss of high tide roosts through coastal squeeze and variability in the channel alignment in Blyth Harbour	Y	Failure of defences would reduce coastal squeeze	Y	No significant change	Y	No significant change	Y	No significant change	Y
Port of Blyth	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Blyth offshore wind farms	C	To maintain opportunity.	Not Affected		Not Affected		Not Affected		Not Affected		Not Affected		Not Affected	
Blyth offshore wind farms	E	To maintain opportunity.	Not Affected		Not Affected		Not Affected		Not Affected		Not Affected		Not Affected	
Blyth east pier wind farms	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Wind farms near Beacon Point (3 No. proposed)	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA22	Location:			Blyth Harbour								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Blyth Power Station	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Port of Blyth	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Port of Blyth	E	No Objective												

Management Area:		MA23	Location:				Blyth West Pier to Seaton Sluice							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	No change	Y	No change	Y	Failure of defences would alleviate coastal squeeze	Y	MR would alleviate coastal squeeze and increase intertidal habitats	Y	MR would alleviate coastal squeeze and increase intertidal habitats	Y	MR would alleviate coastal squeeze and increase intertidal habitats	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	No change	Y	No change	Y	Failure of defences would alleviate coastal squeeze	Y	MR would alleviate coastal squeeze and increase intertidal habitats	Y	MR would alleviate coastal squeeze and increase intertidal habitats	Y	MR would alleviate coastal squeeze and increase intertidal habitats	Y
Blyth Town	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Blyth Harbour south pier	HA	To maintain navigation structure.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA23	Location:				Blyth West Pier to Seaton Sluice							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Blyth Links	HA	To maintain opportunity.	No change	Y	Risk of flooding through deterioration of defences	N	Risk of flooding through failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Sand dunes	E	To maintain open area.	Erosion of dunes, due to waves wind and the public, combined with the fact that the dunes are confined	N	Erosion of dunes, due to waves wind and the public, combined with the fact that the dunes are confined	N	Erosion of dunes, due to waves wind and the public, combined with the fact that the dunes are confined	N	MR will reduce wave erosion and enhance dunes	Y	MR will reduce wave erosion and enhance dunes	Y	MR will reduce wave erosion and enhance dunes	Y
Meggie's Burn	HA	To maintain drainage of inland area.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Sand dunes	E	To maintain conservation value.	Erosion of dunes, due to waves wind and the public, combined with the fact that the dunes are confined	N	Erosion of dunes, due to waves wind and the public, combined with the fact that the dunes are confined	N	Erosion of dunes, due to waves wind and the public, combined with the fact that the dunes are confined	N	MR will reduce wave erosion and enhance dunes	Y	MR will reduce wave erosion and enhance dunes	Y	MR will reduce wave erosion and enhance dunes	Y

Management Area:		MA24	Location:			Seaton Sluice to Curry's Point								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	No change	Y	Failure of defences would reduce coastal squeeze	Y	Failure of defences would reduce coastal squeeze	Y	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	No change	Y	Failure of defences would reduce coastal squeeze	Y	Failure of defences would reduce coastal squeeze	Y	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N
Watch House at Rocky Island	H	To maintain heritage value.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
The Cut or New Harbour	H	To maintain heritage value.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA24	Location:			Seaton Sluice to Curry's Point								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
High tide roosts	E	To maintain conservation value.	No change	Y	Failure of defences would reduce coastal squeeze	Y	Failure of defences would reduce coastal squeeze	Y	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N
Salt marsh and mudflat habitats	E	To maintain conservation value.	No change	Y	Failure of defences would reduce coastal squeeze	Y	Failure of defences would reduce coastal squeeze	Y	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N	Coastal squeeze will occur in the north of the Management Area and may result in some loss of natural habitat supporting SPA species	N
Residential area	HA	To maintain protection.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Seaton Sluice	R	To maintain open area.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA24	Location:			Seaton Sluice to Curry's Point								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Harbour	R	To maintain boat berthing and navigation.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Property to cliff crest	HA	To maintain protection to property.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Coast road	HA	To maintain transport link.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Lighthouse	H	To maintain protection and access.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y

Management Area:		MA25	Location:				Whitley Bay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Loss of high tide roosts due to coastal squeeze	N	Loss of defences will help reduce coastal squeeze	Y	Loss of defences will help reduce coastal squeeze	Y	Loss of high tide roosts due to coastal squeeze	N	Loss of high tide roosts due to coastal squeeze	N	Loss of high tide roosts due to coastal squeeze	N
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Loss of high tide roosts due to coastal squeeze	N	Loss of defences will help reduce coastal squeeze	Y	Loss of defences will help reduce coastal squeeze	Y	Loss of high tide roosts due to coastal squeeze	N	Loss of high tide roosts due to coastal squeeze	N	Loss of high tide roosts due to coastal squeeze	N
Golf course	R	To maintain function of golf course.	No change	Y	No change	Y	No change	Y	MR would replace golf course	N	MR would replace golf course	N	MR would replace golf course	N
Promenade	HA	To maintain recreational function and open space.	No Change	Y	Loss due to deterioration of defences	N	Loss due to deterioration of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Beach	R	To maintain beach, access and use.	No Change	Y	Loss due to deterioration of defences	N	Loss due to deterioration of defences	N	Maintained; however, height of beach would decrease	Y	Maintained; however, height of beach would decrease	Y	Maintained; however, height of beach would decrease	Y

Management Area:		MA25	Location:			Whitley Bay								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Town and sea front	HA	To protect sea front.	No Change	Y	Loss due to deterioration of defences	N	Loss due to deterioration of defences	N	Maintained	Y	Maintained	Y	Maintained	Y
Coastal road	HA	To protect road.	No Change	Y	Loss due to deterioration of defences	N	Loss due to deterioration of defences	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA26	Location:		Brown's Point to Tynemouth North Pier									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y	Natural evolution of frontage	Y
Tynemouth to Seaton Sluice SSSI	E	To maintain site integrity.	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y
Boulder clay cliffs	E	To maintain conservation features of SSSI in favourable condition.	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y	Natural evolution of the frontage	Y
High tide roosts	E	To maintain conservation value.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Cullercoats road	HA	To ensure transport route.	No change	Y	Loss due to erosion	N	Loss due to erosion	N	Protected	Y	Protected	Y	Protected	Y

Management Area:		MA26	Location:			Brown's Point to Tynemouth North Pier								
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Cullercoats Bay	HA	To protect assets.	No change	Y	Loss due to failure of defences	N	Loss due to failure of defences	N	Protected	Y	Protected	Y	Protected	Y
Cullercoats Piers - north breakwater	HA	To maintain navigational structure.	Loss due to deterioration	N	Loss due to deterioration	N	Loss due to deterioration	N	Maintained	Y	Maintained	Y	Maintained	Y
Cullercoats Bay Life Boat Station	HA	To maintain service.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Café	HA	To protect assets.	Risk of flooding	N	Risk of flooding	N	Risk of flooding	N	Protected	Y	Protected	Y	Protected	Y
Sand dunes	E	To maintain conservation value.	No change	Y	No change	Y	Loss due to wave action from sea level rise	N	No change	Y	No change	Y	Maintained	Y
Beach	R	To maintain beach use and access.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y
Property to cliff crest	HA	To maintain protection.	Loss due to erosion	N	Loss due to erosion	N	Loss due to erosion	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA27	Location:		Tynemouth North Pier to Fish Quay									
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Northumbria Coast SPA	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Northumbria Coast Ramsar site	E	To maintain the conservation features of the European designated site. Ensure no net loss of intertidal mud and sand flats, saltmarsh and rocky shore from coastal squeeze. Minimise disturbance to breeding and roosting birds.	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y	No change	Y
Lower promenade	HA	To maintain function of promenade.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Low Lights car park	HA	To maintain function of car park.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Coastal margin	HA	To maintain opportunity for regeneration.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Fish quay	C	To maintain defences.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y

Management Area:		MA27	Location:				Tynemouth North Pier to Fish Quay							
Feature	Theme	Objective	No Active Intervention						Preferred Plan					
			Up to 2025		Up to 2055		Up to 2105		Up to 2025		Up to 2055		Up to 2105	
Fish quay	HA	To maintain opportunity for regeneration.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Outdoor pool (dilapidated)	HA	To maintain opportunity for regeneration.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Tynemouth Plaza	HA	To maintain opportunity for regeneration.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Port of Tyne	C	To maintain navigability of river mouth.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
Port of Tyne	E	To protect habitats and biodiversity.	No change	Y	No change	Y	Loss due to failure of breakwater	N	No change	Y	No change	Y	Loss due to coastal squeeze	N
Howden Sewage Treatment Works	C	To protect works.	No change	Y	No change	Y	Loss due to failure of breakwater	N	Maintained	Y	Maintained	Y	Maintained	Y
River Tyne	E	To protect habitats and biodiversity.	No change	Y	No change	Y	Loss due to failure of breakwater	N	No change	Y	No change	Y	Loss due to coastal squeeze	N