

Appendix E

Issues and Objectives

Appendix E

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1	Scottish Border to Holy Island	E1
2	bamburgh to boulmer	E7
3	Seaton Point to Beacon Hill.....	E12
4	Beacon Hill to Beacon Point	E14
5	Newbiggin moor to seaton Sluice	E18
6	Seaton Sluice to River Tyne	E22

Environmental	Hard Asset
Commercial	Impactor
Heritage	Recreational
	Issues without Objectives

1 SCOTTISH BORDER TO HOLY ISLAND

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
1	Scottish Border to Tyne Estuary	Sustainability of coastal villages	Commercial fishing impacting on development and sustainability of coastal villages.	No	No	Coastal villages are important for regions tourism and socio-economics.	Regional	C	Local, Regional economies		No	No	To ensure the sustainability of coastal villages.
2	Scottish Border to Tyne Estuary	Port and harbour related developments	Issues with contaminated sediment removal and re-suspension, land reclamation, discharge and waste management, sewage outfall and diffuse pollution.	Yes	Yes	Re-suspension of contaminated sediments have the potential to impact habitats and species, fisheries and tourism.	Regional	I	Broader society	Environmental impacts	No	No	To ensure protection of valuable assets during port/harbour developments.
3	Scottish Border to Alnmouth	Berwick and North Northumberland Shore SAC	Spreading of <i>Spartina anglica</i> through sandflats and mudflats, especially at Lindisfarne, recreational and commercial bait digging, pollution and leisure, and tourism pressures.	No	Yes	Contribution to legal requirements; stringent means of maintaining the conservation value of Berwick and North Northumberland Shore SAC. Value to recreation, tourism and local economy.	International	E	Broader society		No	No	To maintain the conservation features of the European designated site.
4	Scottish Border to Alnmouth	Berwick and North Northumberland Shore SAC	Extend the SAC to Coquet.	No	Yes	To increase protection of the coast and extend the conservation statues of the Northumberland AONB.	International	E	Broader society		No	No	
5	Marshall's Meadows Bay	Caravan park	Eroding cliff.	Yes	Yes	Local business.	Local	C	Private		No	Yes	To maintain function of caravan park.
6	St John's Haven	Main line railway	Eroding cliff.	Yes	Yes	Nationally important transport link.	National	HA	National economy	Erosion risk elsewhere on coast	No	No	To protect railway line.

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7	Sharper's Head	Caravan park	Eroding cliff.	Yes	Yes	Major caravan park important to local economy.	Regional	C	Local community		No	Yes	To maintain function of caravan park.
8	Fisherman's Haven	Recreational beach	Beach maintained by breakwater with access from cliffs above. Cliffs subject to local slippage. The condition of the breakwater is a potential threat to the protection of important regional assets.	Yes	Yes	Recreational resource linked to caravan park.	Local	R	Local community		No	No	To maintain beach use and ensure safe access.
9	North of Berwick Breakwater	Golf course	Ongoing threat from erosion.	Yes	Yes	The golf course is important for the local economy and recreation.	Local	C	Local community	Ongoing erosion.	No	No	To maintain function of golf course.
10	North of Berwick Breakwater	Coast Guard station	Potential erosion risk.	Yes	Yes	Regionally important safety facility.	Regional	R	Regional community		No	Yes	To maintain service of coast guard station.
11	Berwick	North breakwater	Maintains protection to navigation and coast to the south.	Yes	Yes	Important in maintaining use of Berwick Harbour.	Regional	C	Harbour users		No	No	To maintain navigation to Berwick Harbour.
12	Berwick	Berwick Harbour	Proposal for construction of a marina.	No	Yes	The harbour is important for the regions economy, recreation and tourism.	Regional	C	Regional community	Economic viability. Environmental impacts	No	No	To maintain integrity of the harbour.
13	Berwick	Berwick Harbour	Dredging.	No	Yes	Occasional dredging is important to maintain the depth levels required for commercial and recreational vessels.	Regional	C	Regional community	Climate change. Siltation and dredging frequency	No	No	To maintain adequate depth and protection at the river mouth to support use of harbour.
14	Berwick	River Tweed estuary	Variability in channel alignment.	No	Yes	Changes in alignment leads to navigational problems for commercial and recreational vessels.	Regional	C	Regional community	Climate change. Changes in estuary processes. Mouth engineering works	No	No	To maintain navigability of the estuary.

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15	Berwick	Tweed Estuary SAC	Variability in channel alignment, trampling of saltmarsh.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Tweed Estuary SAC.	International	E	Broader society	Climate change. Changes in estuary processes. Mouth engineering works	No	No	To maintain the key conservation features of the European designated site.
16	Berwick	Tweed Catchment Rivers - England: Lower Tweed and Whiteadder SSSI	Saltwater inundation leading to loss of habitats.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Tweed catchment rivers SSSI	National	E	Broader society	Saltwater inundation of the site due to sea level rise leading to loss of some habitats.	No	No	To maintain site integrity in favourable condition.
17	Berwick to Amble	Northumberland Coast AONB	Agricultural and land management practices, climate change and coastal squeeze, invasive species, protection of vulnerable species, conserving geo-diversity, water resource protection, disturbance and visitor pressure.	No	No	The AONB designation exists to ensure that the natural beauty of the Northumberland Coast is conserved and enhanced.	National	E	Broader society	Climate change, sea level rise, management decisions	No	No	To maintain site integrity and contribute towards favourable conservation status, ensuring recreational and tourism values.
18	Spittal Point	Potential redevelopment	Master Plan identifies opportunities of large-scale development. Threat of erosion.	Yes	Yes	Future land use could alter the coastal defence of the Point, which is important for the protection of commercial and residential properties.	Regional	HA	Regional community		No	No	To maintain opportunity from regeneration.
19	Spittal to Tyne Estuary	Northumbria Coast SPA	Lack of management of wetland habitats, conflicts between wildfowl and farmers, recreational disturbance, pollution/ water quality, commercial exploitation of marine animals, aggregate extraction, pressure for development of coastal habitats, and cord grass invasion.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Northumbria Coast SPA. Important recreational and tourism values.	International	E	Broader society		No	No	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.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
20	Spittal to Tyne Estuary	Northumbria Coast Ramsar site	Lack of management of wetland habitats, conflicts between wildfowl and farmers, recreational disturbance, pollution/ water quality, commercial exploitation of marine animals, aggregate extraction, pressure development of coastal habitats, cord grass invasion.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Northumbria Coast SPA. Important recreational and tourism values.	International	E	Broader society		No	No	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.
21	Spittal	Recreational beach	Loss of beach and lack of access and associated promenade and car parks.	Yes	Yes	Important recreational area for local community.	Local	R	Local community	Loss of residential property	No	No	To maintain beach, access and facilities.
22	Spittal	Residential properties	Threat of erosion and flooding.	Yes	Yes	Important residential area.	Local	HA	Local community		No	No	To maintain protection to area.
23	Spittal (south end)	Road and railway line	Threat from erosion and slope slippage.	Yes	Yes	National transport link.	National	HA	National economy	Loss of railway along other sections of the coast	No	No	To protect railway line.
24	Borwell	Sea House Farm	Potential erosion risk.	Yes	Yes	Local property owner.	Local	HA	Private		Yes	Yes	To protect property.
25	Scremerston	Car parks and beaches	Potential erosion risk to car parks and access road.	Yes	Yes	Local recreation area and part of overall tourism attraction of coast.	Local	R	Local community	Damage to naturalness of the coast	No	Yes	To maintain recreational function of coast.
26	Cheswick	Golf course	Flood risk. Salt water to contaminate the course's abstraction points.	Yes	Yes	Important for local economy and recreation.	Local	C	Local community		No	No	To maintain function of golf course.
27	Cheswick Sands to Beachcomber House	Sand dunes; majority fall within the North Northumberland Dunes SAC and Lindisfarne SPA/Ramsar site.	The impact of physical trends on habitats and habitat creation/ loss should be monitored. Discussing habitat with local landowners will allow for a consensus plan of the area to be derived.	Yes	Yes	Contribution to legal requirements, stringent means of maintaining the conservation value of European sites. Value for recreation, tourism, and wildlife.	International	E	Broader society		No	No	To maintain the key conservation features if the designated sites in favourable condition.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
28	Goswick Sands	Public safety	Exposure of unexploded ordnance.	Yes	Yes	Peaceful and remote area which is important to local residents.	Local	R	Local community		No	No	To ensure the safety of the public.
29	Goswick	Brockmill Farm	Potential managed realignment as identified in EA 4shores.	Yes	Yes	Managed realignment can help reduce coastal squeeze, which has the potential to lessen flood risk and recreate important habitats.	Regional	E	Broader society	Sea level rise	No	No	To encourage managed realignment with the potential to create new habitats and reduce coastal squeeze.
30	Goswick	Properties	Flood risk.	Yes	Yes	Homes for people.	Local	HA	Private		No	Yes	To maintain protection to property.
31	Cocklawburn	Farmland	Flood risk.	Yes	Yes	Value to local economy.	Local	C	Local community	Management of farmland	No	No	To maintain regional economy through existing agricultural practise.
32	Cocklawburn	Residential properties	Ongoing threat from erosion.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To prevent loss of residential properties from erosion.
33	Goswick to Lindisfarne	Beal Farm	Managed realignment (proposed).	Yes	Yes	Environmental enhancement opportunity, but changes in tidal and sediment processes within South Low could impact upon adjacent coastline.	Local	I	Local community	Climate change. Adverse impact on coastal processes	No	No	To create opportunity for environmental enhancement.
34	Holy Island	Holy Island causeway	Siltation on road surface or loss of causeway. Monitoring is being carried out for any effect on the adjacent foreshore.	Yes	Yes	Important access to Holy Island.	Regional	HA	Regional economy		No	Yes; replacement structure	To maintain access to Holy Island.
35	Holy Island	Residential area	Potential risk from erosion.	Yes	Yes	Homes for people.	Local	HA	Local community	Loss of access	No	No	To protect local community.
36	Holy Island	Village, priory, harbour and castle	Potential risk from erosion.	Yes	Yes	Important tourism attraction.	Regional	HA	Regional economy	Loss of access	No	No	To maintain protection to community.
37	Fenham	Residential properties	Flood risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	Yes	To maintain defence to community.
38	Spittal to Budle Bay	Lindisfarne SPA	Invasive species (pirri-pirri), lack of management, overgrazing in places, reduction in <i>Enteromorpha</i> coverage.	No	Yes	Contribution to legal requirements, stringent means of maintaining the conservation value of Lindisfarne SPA. Value for recreation, tourism, and wildlife.	International	E	Broader society		No	No	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.

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39	Spittal to Budle Bay	Lindisfarne Ramsar	Invasive species (pirri-pirri), lack of management, overgrazing in places, reduction in <i>Enteromorpha</i> coverage.	No	Yes	Contribution to legal requirements, stringent means of maintaining the conservation value of Lindisfarne Ramsar Site. Value for recreation, tourism, and wildlife.	International	E	Broader society		No	No	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.
40	Spittal to Budle Bay	Lindisfarne SSSI	Invasive species (pirri-pirri), lack of management, overgrazing in places, reduction in <i>Enteromorpha</i> coverage.	No	Yes	Contribution to legal requirements, stringent means of maintaining the conservation value of Lindisfarne SSSI. Value for recreation, tourism, and wildlife.	National	E	Broader society		No	No	To maintain site integrity in favourable condition and recreational value.
41	Spittal to Budle Bay	Lindisfarne NNR	Invasive species (pirri-pirri), lack of management, overgrazing in places, reduction in <i>Enteromorpha</i> coverage.	No	Yes	Contribution to legal requirements, stringent means of maintainBamging the conservation value of Lindisfarne NNR. Value for recreation, tourism, and wildlife.	National	E	Broader society		No	No	To maintain site integrity in favourable condition and recreational value.
42	Spittal to Budle Bay	North Northumberland Dune SAC	Invasive species (pirri-pirri), maintaining appropriate level of grazing.	No	Yes	Contribution to Legal requirements; Stringent means of maintaining the conservation value of North Northumberland Dune SAC. Value for recreation, tourism, and wildlife.	International	E	Broader society		No	No	To maintain the conservation features of the European designated site and maintain recreational value. To create opportunity for environmental enhancement.

2
BAMBURGH TO BOULMER

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
43	Ross	Ross Links; within North Northumberland Dunes SAC	Managed realignment opportunities.	Yes	Yes	Managed realignment can help reduce coastal squeeze which has the potential to lessen flood risk and recreate important habitats.	International	E	Broader society	Limitation of roll-over	No	No	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.
44	Fenwick to Elwick	Salt marsh and mudflats; situated within Berwickshire and Northumberland Coast SAC and Lindisfarne SPA/Ramsar site	Coastal Squeeze. Need to consider natural rollback facilitation by removing hard material.	Yes	Yes	BAP priority habitats.	International	E	Broader society	Sea level rise	No	No	To promote the facilitation of rollback to allow natural landward progression of habitats. To maintain key conservation features of European site in favourable condition.
45	Budle Bay	Residential properties	Flood risk or erosion.	Yes	Yes	Homes for people.	Local	HA	Local community	loss of access	No	No	To maintain protection to community.
46	Budle Bay	B1342 road	Erosion risk.	Yes	Yes	Important access.	Local	HA	Local community		No	Yes	To maintain access.
47	Budle Bay	Golf course	Flood risk.	Yes	Yes	Important for local economy and recreation.	Local	C	Local community		No	No	To maintain function of golf course.
48	Budle Bay to Bamburgh	Bamburgh Coast and Hills SSSI	Acid grassland – lowland in unfavourable condition due to invasive scrub and poor management. Whin grassland and limited coastal heath resource also in severe decline as above.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Bamburgh Coast and Hills SSSI. To maintain recreation value.	National	E	Broader society	Future management decisions	No	No	To maintain site integrity in favourable condition and recreational value.

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49	Bamburgh to Greenhill Rocks	Bamburgh Dunes SSSI; part of North Northumberland Dunes SAC	Lack of management (scrub species are regenerating and garden exotics are spreading). Contaminated water to site (from farmland). Dune slacks are poor in species. Need to identify potential for dune roll back.	Yes	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Bamburgh Dunes SSSI. To maintain recreation value.	International	E	Broader society	Future Shoreline management decisions, coastal development	No	No	To maintain site integrity in favourable condition and recreational value, and promote roll-back.
50	Bamburgh	Local properties	Erosion and flood risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection to properties.
51	Bamburgh	Coast Guard lookout	Erosion risk.	Yes	Yes	Safety service.	Regional	R	Regional community		No	Yes	To maintain safety service.
52	Bamburgh	B1340 road	Erosion risk.	Yes	Yes	Important access.	Local	HA	Local community		No	Yes	To maintain access.
53	Farne Islands	Farne Islands SPA	Recreational disturbance, pollution/ water quality, commercial exploitation of marine animals, aggregate extraction.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Farne Islands SPA. To maintain recreation and natural defence value.	International	E	Broader society		No	No	To maintain the conservation features of the European designated site.
54	Farne Islands	Farne Islands NNR	Recreational disturbance, pollution/ water quality, commercial exploitation of marine animals, aggregate extraction.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Farne Islands SPA. To maintain recreation and natural defence value.	National	E	Broader society		No	No	To maintain site integrity in favourable condition and recreational value.
55	Seahouses	Property to north of village	Erosion risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection to properties.
56	Seahouses	Commercial, residential and industrial properties	Poor condition of the outer breakwater is reducing the effectiveness of protection.	Yes	Yes	Tourism value and recreational activities. Important for local community.	Local	HA	Local community		No	No	To protect important assets and maintain community.
57	Seahouses	Seahouses harbour	Risk due failure of structures or loss of facilities.	No	Yes	Important for the future viability of commercial and recreational activities.	Regional	C	Regional community		No	No	To maintain the integrity of the harbour.

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58	Seahouses	Caravan park	Potential erosion.	Yes	Yes	Local business.	Local	C	Private		No	Yes	To maintain function of caravan park.
59	Seahouses	Coast road (area in land of road)	Potential for creation of saline lagoons behind road.	No	Yes	BAP priority habitat.	National	E	Broader society	Sea level rise, realignment to new lagoons	No	No	To promote the creation of saline lagoons
60	Seahouses	Sewage treatment works	Potential erosion risk.	Yes	Yes	Local community.	Local	HA	Local community		No	Yes	To maintain function of sewage works.
61	Seahouses to Beadnell	Coast road	Road is preventing the natural landward progression of dune system.	Yes	Yes	Important for coastal defence.	Regional	I	Regional economy		No	No	To monitor the impact of the coast road on dune system and seek landward movement.
62	Beadnell	Properties seaward of harbour road	Potential erosion risk.	Yes	Yes	Local shop and facilities as well as homes for people.	Local	HA	Local community		No	Yes	To maintain protection to property.
63	Beadnell	Harbour Road	Ongoing threat from erosion.	Yes	Yes	Important infrastructure to the community.	Local	HA	Local community		No	No	To maintain access.
64	Beadnell	Property along Harbour Road	Erosion risk.	Yes	Yes	Home for people.	Local	HA	Local community		No	No	To protect property.
65	Beadnell	Beadnell Harbour	Deterioration of harbour structures.	Yes	Yes	Protection to village, important local infrastructure and important regional tourism feature.	Regional	HA	Regional economy		No	No	To maintain function of harbour.
66	Beadnell	Lime Kiln	Risk of erosion.	Yes	Yes	Important structure.	Regional	H	Regional community		No	No	To maintain protection.
67	Beadnell	Residential property	Risk of erosion and flooding.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection to property.
68	Beadnell	Car park	Risk of erosion and flooding.	Yes	Yes	important tourism infrastructure.	Regional	HA	Regional economy		No	Yes	To maintain car park area.
69	Beadnell	Caravan parks	Eroding dunes.	Yes	Yes	Important to local tourism and economy.	Regional	C	Local community		No	Yes	To maintain function of caravan park supporting regional economy.
70	Beadnell	Beadnell Bay beach	Deterioration of beach and beach use.	Yes	Yes	Important tourism area.	Regional	R	Regional economy	Loss of access and facilities	No	No	To maintain beach quality, function and access.

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71	Beadnell Bay	Newton Links SSSI; part of North Northumberland Dunes SAC	Ragwort scattered throughout the site, under grazing, proximity of caravan sites within dunes leads to increased informal access and recreational damage as well as loss of species diversity.	Yes	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Newton Links SSSI. To maintain recreation and natural defence value. Important for coastal defence.	International	E	Broader society	Management decisions, sea level rise	No	No	To maintain conservation features of this SSSI in favourable condition. To maintain coastal defence.
72	Beadnell Bay	Saline lagoons opportunities	Potential for short-term saline lagoon opportunities.	No	Yes	BAP priority habitat.	National	E	Broader society	Management decisions, sea level rise	No	Yes	To promote the creation of saline lagoons.
73	Low Newton	Community	Potential erosion risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection to community.
74	Low Newton	Properties within dunes	Potential erosion risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	Yes	To maintain properties.
75	Low Newton and Embleton Bay	Coast road	Coast road is preventing the natural landward progression of the dune system.	Yes	Yes	Important for coastal defence.	National	E	Broader society		No	No	To allow the natural landward progression of the dune system, thus retaining natural coastal defence properties.
76	Embleton	Golf course	Potential erosion risk.	Yes	Yes	Important for the local economy and recreation.	Local	C	Local community		No	No	To maintain function of golf course.
77	Embleton	Embleton Bay beach	Deterioration of beach and beach use.	Yes	Yes	Important tourism area.	Regional	R	Regional economy	loss of access	no	No	To maintain beach quality, function and access.
78	Craster	Property to north of village	Erosion Risk.	Yes	Yes	Homes for people.	Local	HA	Local community	loss of access	No	No	To maintain protection to property.
79	Craster	Craster Harbour	Deterioration of structures reducing use of harbour.	No	Yes	Local community, important to local economy. Also important tourism attraction.	Regional	C	Regional economy		No	No	To maintain function of harbour.
80	Craster	Craster village	Erosion risk.	Yes	Yes	Homes for people.	Local	HA	Local community	Loss of harbour	No	No	To maintain protection to property.
81	Howick	Coastal road, Howick	Erosion.	Yes	Yes	Important access route.	Local	HA	Regional community		No	Yes, relocate landward	To maintain transport link.
82	Howick	Property on cliff edge	Erosion.	Yes	Yes	Homes for people.	Local	HA	Private		No	Yes	To maintain protection to property.
83	Longhoughton	Car park and beach	Loss of access, car park and amenity.	Yes	Yes	Recreational resource important for access to coast.	Local	R	Local community		No	Yes	To maintain access and recreational use of the coast.
84	Boulmer	Boulmer Village	Loss due to erosion.	Yes	Yes	Local community.	Local	HA	Local community		No	No	To maintain coastal community.

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85	Boulmer	Inshore rescue station	Loss due to flooding or erosion.	Yes	Yes	Regionally important safety facility.	Regional	R	Regional community		No	Yes	To maintain service.
86	Boulmer	Boat park and launch facility	Loss due to erosion of flooding.	No	Yes	Important boat use facility to character of village.	Local	C	Local economy		No	Yes	To maintain facility for boat storage and launching.
87	Boulmer	Car parks, open space and beaches	Loss due to erosion or flooding or damage to open character of area.	No	Yes	Important local tourism area.	Local	R	Local economy		No	Yes	To maintain open space, beaches and character of area.
88	Seaton Point	Properties in open ground	Erosion risk.	Yes	Yes	Holiday resource to area.	Local	HA	Local economy		No	Yes	To maintain and manage use of area.
89	Foxton Bay	Access point	Risk of loss of steps.	No	Yes	Important access to popular beach area.	Local	R	Local community		no	Yes	To maintain safe access.
90	Foxton Bay	Foxton Hall golf course	Cliff instability threatening golf course.	Yes	Yes	Important recreational resource.	Regional	R	Regional economy	Loss of club house	No	Yes	To maintain function of golf course.
91	Foxton Bay	Foxton Hall golf club house	Potential erosion risk.	Yes	Yes	Important recreational resource.	Regional	C	Regional economy	Loss of golf course	No	No	To maintain protection to club house.

3 SEATON POINT TO BEACON HILL

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
92	Alnmouth	River Aln estuary; within Alnmouth Saltmarsh and Dunes SSSI and part of North Northumberland Dunes SAC	Variability in channel alignment.	No	Yes	Important habitats and species.	International	E	Broader society	Climate change. Changes in estuary processes. Mouth engineering works	No	No	To maintain habitats in favourable condition.
93	Alnmouth	Golf course	Ongoing threat from erosion and potential flooding risk.	Yes	Yes	Important for the local economy and recreation.	Local	R	Local community	Damage to naturalness of the coast	No	No	To maintain the function of the golf course.
94	Alnmouth	Car park and access	Erosion risk and damage to character of beach and dunes.	Yes	Yes	Important resource for tourism.	Regional	R	Regional economy	Damage to naturalness of the coast	No	No capacity for relocating car park within area	To maintain car park area and manage access to beach.
95	Alnmouth	Alnmouth Beach	Changes in channel alignment of the Aln Estuary leading to changes in exposure, thus affecting the value of the beach.	Yes	Yes	Important to local residents and as a regional tourism centre	Regional	R	Regional economy		No	No	To maintain beach and beach use.
96	Alnmouth	Alnmouth village sea front	Changes in channel alignment of the Aln Estuary affecting continued protection against flooding and erosion.	Yes	Yes	Important part of the areas landscape character.	Regional	HA	Regional community	Character of area	No	No	To maintain protection to the sea front properties.
97	Alnmouth	Alnmouth village estuary frontages	Potential flood risk.	Yes	Yes	Homes for people and tourism resource.	Local	HA	Local community	Character of area	No	No	To maintain defence to community.
98	Alnmouth	Alnmouth boat club area	Potential erosion and flood risk.	Yes	Yes	Local recreational resource.	Local	R	Local community		No	No	To maintain use of boat park and slipway.
99	Alnmouth Bay	Birling Crag caravan park	Potential erosion risk.	Yes	Yes	Local business.	Local	C	Private		No	Yes	To maintain function of caravan park.
100	Alnmouth Bay to Buston Links	Sand dunes; mostly within North Northumberland Dunes SAC	Remove bund or restrict outflow for brackish lagoon with the potential for managed realignment.	Yes	Yes	Managed realignment can help reduce coastal squeeze which has the potential to lessen flood risk and recreate important habitats.	International	E	Broader society	Sea level rise	No	No	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.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
101	Alnmouth to Warkworth	Coast road	Road is preventing the natural landward progression of dune system.	Yes	Yes	Important for coastal defence.	National	E	Broader society		No	No	To allow the natural landward progression of the dune system, thus retaining natural coastal defence properties.
102	Warkworth	North breakwater	Maintains protection to navigation and protection to coast to south and north.	No	Yes	Important for regions economy, tourism and recreation.	Regional	C	Regional community		No	No	To maintain navigation to Warkworth Harbour.
103	Warkworth	South breakwater and jetty	Maintains navigation to harbour.	No	Yes	Important for the regions economy, tourism and recreation.	Regional	R	Regional community		No	No	To maintain navigation to Warkworth Harbour and maintain tourism function.
104	Warkworth	Warkworth Harbour	Siltation of the River Coquet estuary.	No	Yes	Important for the regions economy, tourism and recreation.	Regional	C	Regional community		No	No	To maintain adequate depth at the river mouth to support use of harbour.
105	Warkworth	Warkworth Harbour	Variability in channel alignment.	No	Yes	Important for navigation of commercial and recreational vessels.	Regional	C	Regional community		No	No	To maintain navigability of the estuary.
106	Warkworth to Amble	Warkworth Dunes and Saltmarsh SSSI; within North Northumberland Dunes SAC.	Potential for managed realignment.	Yes	Yes	Managed realignment can help reduce coastal squeeze which has the potential to lessen flood risk and recreate important habitats.	International	E	Broader society	Sea level rise	No	No	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.

4 BEACON HILL TO BEACON POINT

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
107	Amble	Coquet Island SPA	Recreational disturbance. Lack of grazing is a major issue as leads to rank growth and direct impacts upon chick survivability.	No	Yes	Contribution to legal requirements, stringent means of maintaining the conservation value of Coquet Island SPA. Value to recreation, tourism and local economy.	International	E	Broader society		No	No	To maintain the conservation features of the European designated site. To maintain recreational value.
108	Amble	Coquet Estuary	Variability in channel alignment.	No	Yes	Important habitats and species.	National	E	Broader society	Climate change. Changes in estuary processes. Mouth engineering works	No	No	To maintain habitats in favourable condition.
109	Coquet Estuary	Saltmarsh; within Warkworth Dunes and Saltmarsh SSSI and North Northumberland Dunes SAC	Overgrazing.	No	No	BAP priority habitat.	International	E	Broader society	Sea level rise	No	Yes	To maintain habitat in favourable condition.
110	Amble	Coquet Estuary	Potential for saltmarsh/ mudflat creation.	No	Yes	BAP priority habitats.	National	E	Broader society	Sea level rise	No	Yes	To promote the creation of saltmarsh/ mudflat habitats.
111	Amble	Amble waterfront and properties	Potential erosion and flooding risk.	Yes	Yes	Homes for people and tourism.	Regional	HA	Regional community	Associated regeneration linked to harbour	No	No	To maintain protection to properties and harbour front.
112	Amble	Amble Marina	Dredging of the marina and disposal of spoil offshore.	No	Yes	Important to regions economy and tourism.	Regional	C	Regional community		No	No	To maintain adequate water depth for the use of the marina.
113	Amble	Amble Marina	Potential land development around marina could be influenced by policy.	Yes	Yes	Important to regions economy and tourism.	Regional	C	Regional community	Function of harbour	No	No	To ensure the future integrity of the marina.
114	Amble	Island View and Cliff House	Erosion risk.	Yes	Yes	Important private and commercial properties.	Local	HA	Local community		No	No	To prevent loss of residential and commercial properties from erosion.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
115	Amble	Cemetery	Potential erosion risk.	Yes	Yes	Cultural importance.	Local	H	Local community		No	Yes but associated with considerable disruption and loss of value	To maintain protection of cemetery.
116	Amble	Car park	Erosion risk.	Yes	Yes	Local access to beach area.	Local	R	Local community		No	Yes	To maintain access and recreational use of the coast.
117	Amble	Sand dunes	Erosion leading to loss of habitat.	Yes	Yes	Important for coastal defence and as a BAP priority habitat.	National	E	Broader society		No	No	To maintain site integrity and favourable conservation status.
118	Amble	Residential properties	Erosion of sand dunes.	Yes	Yes	Important for coastal defence.	Regional	C	Local community		No	No	To ensure the dunes natural defence capabilities.
119	Amble	Sand dunes	Erosion.	Yes	Yes	Valuable recreational resource.	National	R	Local community		No	No	To provide sustainable access and recreation to the dunes without affecting their natural defence.
120	Hauxley	Northumberland Shore SSSI	Removal of sluice structures within freshwater lake and increased salinity. Lack of operating tidal flap on outflow stream causing loss of saline lagoon.	Yes	Yes	BAP priority habitat and important for the control of flooding.	National	E	Broader society	Restoration of natural coastal processes allowing stream to flood	No	No	To maintain site integrity and contribute towards favourable conservation status, ensuring recreational and tourism values.
121	Low Hauxley	Low Hauxley Shore SSSI	Some trampling and erosion, however erosion necessary for the GCR interests. Managed realignment the preferred option for coastal defence.	Yes	Yes	Contribution to legal requirements, stringent means of preserving conservation value of Low Hauxley Shore SSSI, and by proxy the landscape value.	National	E	Broader society		No	No	To maintain site integrity.
122	Low Hauxley	Beacon Hill properties	Potential erosion risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	Yes	To maintain protection to properties.
123	Low Hauxley	Coast road	Potential erosion risk.	Yes	Yes	Access to main village.	Local	HA	Local community	Maintaining the village	No	Yes	To maintain access to village.
124	Low Hauxley	Low Hauxley village	Potential erosion and flooding risk.	Yes	Yes	Homes for people.	Local	HA	Local community	Maintaining access	No	No	To maintain protection to properties.
125	Low Hauxley	Caravan park	Potential erosion risk.	Yes	Yes	Important for economic regeneration of the area.	Local	C	Private	Maintaining access	No	Yes	To maintain function of caravan park.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
126	Low Hauxley	Ponds and freshwater area	Potential erosion risk.	Yes	Yes	Recreational and nature conservation.	Local	R	Local community		No	Yes	To maintain function of ponds.
127	Hauxley to Cresswell	Coastal road	Erosion risk.	Yes	Yes	Important infrastructure to the region.	Regional	HA	Regional community		No	No	To maintain transport route.
128	Druridge Bay	Visitor centre	Larger development of the Druridge Bay visitor centre could affect surrounding coastal processes.	No	Yes	Important to the area for economy, tourism and environment.	Regional	HA	Broader society		No	No	To maintain visitor centre and associated coastal area.
129	Cresswell	Cresswell Ponds SSSI	Trampling. Needs assessment of relative height of channel base and degree of sea water ingress. Blocking of outfall by sand migration.	Yes	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of Cresswell Ponds SSSI.	National	E	Broader society		No	No	To maintain conservation features of this SSSI in favourable condition.
130	Cresswell	Cresswell Village	Long-term integrity.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection to village.
131	Druridge Bay	Sand dunes; including Hadston Links SSSI	Potential for managed retreat of sand dunes to enhance saline lagoons. Possibility of new freshwater habitats.	Yes	Yes	BAP priority habitat. Managed retreat of dunes could help to reduce coastal squeeze.	National	E	Broader society	Sea level rise	No	No	To encourage managed retreat of the dune system and creation of habitats. To maintain conservation features of SSSI in favourable condition.
132	Druridge Bay	Sand dunes; including Hadston Links SSSI (Area in land of SSSI)	Land management behind dunes.	No	Yes	Important for coastal defence.	National	E	Broader society		No	No	To promote effective land management, facilitating the natural landward progression of the dunes. To maintain conservation features of SSSI in favourable condition.
133	Snab Point	Coast road	Erosion.	Yes	Yes	Important access route.	Local	HA	Local economy		No	Yes, re-location	To maintain access link.
134	Snab Point	Caravan park	Eroding cliff and potential loss of access.	Yes	Yes	Important for economic regeneration of the area.	Regional	C	Local community		No	Yes	To maintain function of caravan park.
135	Snab Point	Properties	Erosion.	Yes	Yes	Homes for people.	Local	HA	Private	Access	No	Yes	To maintain protection to property.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
136	Snab Point	Within Cresswell and Newbiggin Shores SSSI and Northumberland Shore SSSI; important geological features as identified under the GCR	Unauthorised placement of rock revetments preventing natural erosion which maintains the geological features.	No	Yes	Contribution to legal requirements, stringent means of maintaining conservation value of the SSSIs.	National	E	Broader society		No	No	To maintain conservation features of this SSSI in favourable condition.
137	Lynemouth	Lynemouth Power Station	Performance of coastal defence scheme.	Yes	Yes	Important to the regional economy.	Regional	HA	Regional economy		No	No	To maintain protection to power station.
138	Lynemouth	Beach	Since the colliery closed, disposal of slag on the foreshore has stopped, reducing the protection to the shore.	No	Yes	Important recreation and tourism resource.	Local	R	Local community		No	No	To maintain bathing beach for recreational use.
139	Lynemouth	Beach and dunes	Degraded coast and post-coal waste degradation.	No	Yes	Important recreation, tourism and environmental resource.	Local	E	Local community		No	No	To improve quality of beach and dunes. To create opportunity for environmental enhancement.
140	Lynemouth	Contaminated land and groundwater	Mine water is becoming an issue at Lynemouth.	No	No	Important commercial and residential properties, and habitats.	Local	E	Local community		No	No	To prevent contamination by mine water.
141	River Lyne	Saltmarsh	Loss of habitat due to rising sea levels.	Yes	Yes	BAP priority habitat.	National	E	Broader society	Sea level rise	No	No	To maintain habitat in favourable condition.
142	Druridge Bay and Lynemouth Bay	Saline lagoons	Subsidence under bays and out to sea for approx. three miles.	Yes	Yes	BAP priority habitat.	National	E	Broader society	Sea level rise	No	Yes	To monitor lagoons for the effect of subsidence, consider alternative locations.

5 NEWBIGGIN MOOR TO SEATON SLUICE

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
143	Newbiggin	Newbiggin golf club	Erosion.	Yes	Yes	Recreational and tourism resource, important for the area's economy.	Local	R	Local community		No	No	To protect the golf club.
144	Newbiggin	Mile Tower, golf club	Erosion.	Yes	Yes	Heritage asset..	Local	H	Local community		No	No	To protect heritage asset.
145	Newbiggin	Church Point caravan site	Erosion.	Yes	Yes	Important to the economic regeneration of the area.	Regional	C	Regional economy		No	No	To maintain the function of the caravan park.
146	Newbiggin	Newbiggin Village and sea front	Performance of coastal defence scheme and therefore continued protection against flooding and erosion.	Yes	Yes	Essential core to the village of Newbiggin, thus important at a regional scale.	Regional	HA	Regional economy	Loss of beach disassociating town from the coast	No	No	To maintain protection to the sea front properties.
147	Newbiggin	Newbiggin Beach	Performance of coastal defence scheme and therefore continued use of beach.	Yes	Yes	Important regional asset.	Regional	R	Regional economy	Loss of town due to erosion or flooding	No	No	To maintain good beach and beach use.
148	Newbiggin	Newbiggin Sailing Club	Loss of use of coastal launch facilities, due either to erosion or excessive sand.	No	Yes	Important educational and recreational resource.	Local	R	Local economy	Loss of the town due to erosion	No	Yes	To support and maintain the use of boats and maintain the launch facilities.
149	Newbiggin	Industrial estate	Erosion.	Yes	Yes	Provides employment to local economy.	Local	C	Local economy		No	Yes	To maintain protection to site.
150	Newbiggin	Sandy Bay caravan site	Erosion.	Yes	Yes	Important to the economic regeneration of the area.	Local	C	Local economy		No	No	To maintain function of caravan park.
151	Beacon Point to Cambois	Cresswell and Newbiggin Shores SSSI	Fly-tipping. Coastal erosion around cliffs - especially immediately south of river Wansbeck where appears to be made ground. Land drainage issues and access issues at Sandy Bay caravan park.	Yes	Yes	Contribution to legal requirements, stringent means of preserving conservation value of Cresswell and Newbiggin Shore SSSI, and by proxy the landscape value. Educational value.	National	E	Broader society		No	No	To maintain site integrity.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
152	Beacon Point to Cambois	Cresswell and Newbiggin Shores SSSI	Important geological features.	No	Yes	Contribution to legal requirements, stringent means of preserving conservation value of Cresswell and Newbiggin Shores SSSI, and by proxy the landscape value. Educational value.	National	E	Broader society		No	No	To maintain geological features.
153	Cambois	River Wansbeck estuary	Variability in channel alignment.	No	Yes	Important habitats and species.	National	E	Broader society	Climate change. Changes in estuary processes. Mouth engineering works	No	No	To maintain habitats in favourable condition.
154	Cambois	River Wansbeck estuary	Erosion/ accretion.	Yes	Yes	Navigation of commercial and private vessels.	Local	C	Local community		No	No	To maintain navigation.
155	Cambois	River Wansbeck estuary	The Wansbeck amenity barrage is having a negative effect on the areas biodiversity.	No	No	Estuarine biodiversity.	Local	E	Broader society		No	No	To maintain biodiversity. To create opportunity for environmental restoration/enhancement.
156	Cambois	Boat launching facility	Erosion and changes in estuary alignment.	No	Yes	Locally important facility.	Local	R	Local community		No	Yes	To maintain facility.
157	Cambois	Cambois House	Erosion.	Yes	Yes	Local heritage.	Local	H	Broader society		No	No	To maintain protection.
158	Cambois	Residential houses near Cambois House	Erosion.	Yes	Yes	Homes for People.	Local	HA	Private		No	Yes, replacement	To maintain protection.
159	Cambois	River Wansbeck	Bar forming in front of river mouth due to weir.	No	Yes	Navigation of vessels.	Regional	C	Regional economy	Changes in coastal processes	No	No	To maintain navigability of river mouth.
160	Blyth	North pier	Structural integrity.	No	Yes	Important infrastructure for the protection of the harbour and south beach.	Regional	C	Regional economy	Operation of harbour	No	No	To maintain navigation structure.
161	Blyth	Blyth Estuary	Loss of high tide roosts.	Yes	No	Internationally important bird species.	International	E	Broader society	Management decisions	No	No	To maintain conservation value and manage any existing structures for bird use, whether retaining a FCD function or not.
162	Blyth	Blyth Estuary	Variability in channel alignment.	No	Yes	Important habitats and species.	National	E	Broader society	Climate change. Changes in estuary processes. Mouth engineering works	No	No	To maintain habitats in favourable condition.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
163	Blyth	Port of Blyth	Integrity and life expectancy.	Yes	Yes	Land uses.	Regional	HA	Regional economy	Management decisions	No	No	To maintain opportunity.
164	Blyth	Blyth offshore wind farms	Sea bed cabling / decommissioning damaging sea bed.	No	No	Renewable energy resource.	Local	C	Regional economy	Investment prospects.	No	No	To maintain opportunity.
165	Blyth	Blyth offshore wind farms	Sea bed cabling / decommissioning damaging sea bed.	No	No	Sea bed communities.	Local	E	Broader society	Environmental impact	No	No	To maintain opportunity.
166	Blyth	Blyth east pier wind farms	Replacement / upgrading.	Yes	Yes	Loading on structures.	Local	HA	Regional economy	Investment prospects. Structural stability	No	Yes, replacement	To maintain opportunity.
167	Blyth	Wind farms near Beacon Point (3 No. proposed)	Erosion of coast.	Yes	Yes	Renewable energy resource.	Local	HA	Regional economy		No	Yes, re-location	To maintain opportunity.
168	Blyth	Blyth Power Station	Plans by npower to re-open coal-fired Power Station in tidal flood plain.	Yes	Yes	Regeneration of the area and regional economy.	National	HA	National economy		No	No	To maintain opportunity.
169	Blyth	Port of Blyth	Redevelopment - plans to re-locate the Port from the Blyth side to the Wansbeck side of the River Blyth and redevelop the freed area. Located in the tidal flood plain.	Yes	Yes	Regeneration of the area and regional economy.	Regional	HA	Regional economy		No	No	To maintain opportunity.
170	Blyth	Port of Blyth	Re-location/ development affecting intertidal areas.	Yes	Yes	The proposed developed/re-location of the port would result in the loss of important intertidal areas.	National	E	Broader society	Sea level rise. Habitat recreation	No	No	
171	Blyth	Blyth Town	Plans to redevelop the town centre. 1,500 properties presently located in the tidal flood plain.	Yes	Yes	Regeneration of the area and regional economy.	Regional	HA	Regional economy		No	No	To maintain opportunity.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
172	Blyth	Blyth Harbour south pier	Accretion of sand against pier that could make its way into the river mouth, requiring dredging.	No	Yes	Maintaining navigation.	Local	HA	Regional economy		No	No	To maintain navigation structure.
173	Blyth	Blyth Links	Plans to develop north of the Fort House (existing farmland).	Yes	Yes	Regeneration of the area and regional economy.	Regional	HA	Regional economy		No	Yes, re-location	To maintain opportunity.
174	Blyth to Seaton Sluice	Sand dunes	Erosion due to waves, wind and (mostly) public.	Yes	Yes	Important for coastal defence of the area and as a BAP priority habitat.	National	E	Broader society		No	No	To maintain open area.
175	Blyth South Beach	Meggie's Burn	72" pipe outfall causing beach erosion.	Yes	Yes	Recreational and tourism resource.	Local	HA	Local community		No	Yes	To maintain drainage of inland area.
176	Blyth South Beach	Sand dunes	Damage to coastal sand dunes from access.	Yes	Yes	Important for coastal defence of the area and as a BAP priority habitat.	National	E	Broader society		No	No	To maintain conservation value.

6 SEATON SLUICE TO RIVER TYNE

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
177	Seaton Sluice	Watch House at Rocky Island	Erosion of the cliff at Rocky Island is threatening the watch house, which is a museum and an important part of the villages' heritage and tourism. Loss of local heritage and revenue from tourism.	Yes	Yes	Important heritage feature and local tourism asset.	Regional	H	Broader society		No	No	To maintain heritage value.
178	Seaton Sluice	The Cut or New Harbour	Erosion.	Yes	Yes	This listed structure is an integral part of the historic outage and forms part of Conservation Area. Vital part of the entrepreneurial Delaval family and an important tourism attraction. Loss of local revenue should structure be lost.	Regional	H	Broader society		No	No	To maintain heritage value.
179	Cambois	North edge of North Blyth village	Erosion is threatening rare orchids and other flora.	Yes	Yes	Important species.	Local	E	Broader society		No	No	To maintain conservation value.
180	Cambois to Seaton Sluice	High tide roosts	Loss due to development and changes to agricultural regime.	No	Yes	Internationally important bird species.	International	E	Broader society	Could be addressed by schemes	No	No	To maintain conservation value.
181	Seaton Sluice	Salt marsh and mudflat habitats	Loss of habitats.	No	Yes	BAP priority habitats.	National	E	Broader society		No	No	To maintain conservation value.
182	Seaton	Residential area	Flooding.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection.
183	Seaton Sluice	Seaton Sluice	Loss due to erosion.	Yes	Yes	Important local recreational area.	Local	R	Local community		No	No	To maintain open area.
184	Seaton Sluice	Harbour	Loss due to erosion and navigation.	No	Yes	Important local boat use facility.	Local	R	Local community		No	No	To maintain boat berthing and navigation.
185	South Blyth to Seaton Sluice	Sand dunes	Erosion. Confined by coastal road	Yes	Yes	Important for coastal defence and as a BAP priority habitat.	National	E	Broader society		No	No	To maintain defence integrity and conservation value.
186	Hartley	Property to cliff crest	Erosion.	Yes	Yes	Homes for people.	Local	HA	Local community		No	Yes	To maintain protection to property.
187	Hartley	Coast road	Erosion.	Yes	Yes	Important local transport route.	Local	HA	Local community		No	No, little opportunity for retreat	To maintain transport link.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
188	St Mary's Island	Lighthouse	Erosion.	Yes	Yes	Important heritage feature.	National	H	Broader society	Access	No	No	To maintain protection and access.
189	Whitley Bay	Golf course	Erosion of boulder clay cliffs.	Yes	Yes	Important recreational and tourism resource.	Local	R	Local economy		No	No	To maintain function of golf course.
190	Whitley Bay	Promenade	Erosion and loss of beach.	Yes	Yes	Important aspect of seaside town and tourism. Provides recreational opportunity for broader conurbation.	Regional	HA	Regional community		No	No	To maintain recreational function and open space.
191	Whitley Bay	Beach	Loss of beach use.	No	Yes	Important aspect of seaside town and tourism. Provides recreational opportunity for broader conurbation.	Regional	R	Regional economy		No	No	To maintain beach, access and use.
192	Whitley Bay	Town and sea front	Erosion and flood risk.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To protect sea front.
193	Whitley Bay	Coastal road	Erosion risk.	Yes	Yes	Main transport link.	Regional	HA	Regional economy		No	No	To protect road.
194	North Tyneside to Seaton Sluice SSSI	Tynemouth to Seaton Sluice SSSI	Coastal processes are affecting the geological features through erosion, especially at Hartley Cave, north of St Mary's Island.	Yes	Yes	Contribution to legal requirements, stringent means of preserving conservation value of Tynemouth to Seaton Sluice SSSI, and by proxy the landscape value. Educational value.	National	E	Broader society		No	No	To maintain site integrity.
195	The Links, Whitley Bay	Boulder clay cliffs	Erosion through both drainage issues and wave action.	No	Yes	Part of the Tyneside to Seaton Sluice SSSI.	National	E	Broader society	Management decisions	No	No	To maintain conservation features of SSSI in favourable condition.
196	Whitley Bay to North Tyneside	High tide roosts	Loss through coastal squeeze.	Yes	No	Internationally important bird species.	International	E	Broader society	Sea level rise	No	Yes	To maintain conservation value.
197	North Tyneside	Cullercoats road	Potential loss due to erosion.	Yes	Yes	Important transport route.	Local	HA	Local economy		No	Yes, replacement	To ensure transport route.
198	North Tyneside	Cullercoats Bay	Assets at risk of flooding from the sea.	Yes	Yes	Commercial and residential properties.	Regional	HA	Regional economy		No	No	To protect assets.
199	North Tyneside	Cullercoats Piers - north breakwater	Condition of structure.	No	Yes	Maintains navigation and is a Grade II listed structure.	National	HA	National economy		No	No	To maintain navigational structure.
200	North Tyneside	Cullercoats Bay Life Boat Station	Erosion.	Yes	Yes	Safety service.	National	HA	Regional economy		No	No	To maintain service.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
201	North Tyneside, Tynemouth Longsands	Café	Assets at risk of flooding from the sea.	Yes	Yes	Commercial asset.	Local	HA	Local economy		No	No	To protect assets.
202	North Tyneside, Tynemouth Longsands	Sand dunes	Erosion due to waves, wind and (mostly) public.	Yes	Yes	Important for coastal defence and as a BAP priority habitat.	National	E	Broader society		No	No	To maintain conservation value.
203	King Edward's Bay	Beach	Loss of beach or access	No	Yes	Important recreational area.	Regional	R	Regional community		No	No	To maintain beach use and access.
204	King Edward's Bay	Property to cliff crest	Structural condition of defences.	Yes	Yes	Homes for people.	Local	HA	Local community		No	No	To maintain protection.
205	North Tyneside	Lower promenade	Structural condition.	Yes	Yes	important aspect of seaside town and tourism. Provides recreational opportunity for broader conurbation.	Regional	HA	Regional economy		No	No	To maintain function of promenade.
206	North Tyneside	Lowe Lights car park	Structural condition of revetment.	Yes	Yes	Recreational and tourism asset.	Local	HA	Local economy		No	Yes, replacement	To maintain function of car park.
207	North Tyneside	Coastal margin	Plans to redevelop Longsands, Spanish City, St Mary's, Whitley Bay, Lower Promenade.	Yes	Yes	Regeneration of the area and regional economy.	Regional	HA	Regional economy		No	No	To maintain opportunity for regeneration.
208	North Tyneside	Fish quay	Flooding.	Yes	Yes	Important local facility.	Local	C	Local economy		No	No	To maintain defences.
209	North Tyneside	Fish quay	Regeneration.	Yes	Yes	Regeneration of the area and regional economy.	Regional	HA	Regional economy		No	No	To maintain opportunity for regeneration.
210	North Tyneside	Outdoor pool (dilapidated)	Redevelopment.	Yes	Yes	The outdoor pool has been added to the Local List of Buildings of Architectural and Historic Interest.	Regional	HA	Regional economy		No	No	To maintain opportunity for regeneration.
211	North Tyneside	Tynemouth Plaza	Redevelopment.	No	Yes	The plaza site and dune system has substantial quantities of encapsulated asbestos contaminated materials. As such the area is unsuitable for redevelopment unless this issue is resolved.	Regional	HA	Regional economy		No	No	To maintain opportunity for regeneration.

No.	Location	Feature	Issues associated with feature	FCD Issue	Affect Policy	Benefits/Why is issue important	Scale	Issue Type	Who are the beneficiaries	Threats	Sufficient benefit?	Potential for substitution	Objectives
212	North Tyneside	Port of Tyne	Dredging and disposal of spoil.	No	Yes	Maintaining navigation.	National	C	National economy		No	No	To maintain navigability of river mouth.
213	North Tyneside	Port of Tyne	Dredging and disposal of spoil.	No	Yes	Important habitats along the river.	National	E	Broader society		No	No	To protect habitats and biodiversity.
214	North Tyneside	Howden Sewage Treatment Works	Sludge disposal at sea.	No	No	Provides essential infrastructure.	Regional	C	Regional economy		No	No	To protect works.
215	North Tyneside	River Tyne	Loss of intertidal saltmarsh and mudflat habitats.	Yes	Yes	BAP priority habitats and important for biodiversity and feeding birds.	National	E	Broader society		No	No	To protect habitats and biodiversity.