Appendix D

Thematic review

Final version 2.4
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Appendix D – Contents

Page

D1 Introduction

The theme review is a fundamental element in the second stage of a Shoreline Management Plan (SMP). It identifies features relevant to the SMP, as well as benefits and issues associated with them so that feature-specific objectives can be determined. Identifying issues and their objectives at an early stage of a SMP's development provides a basis for reviewing and agreeing objectives with stakeholders, which have subsequently informed policy development.

In the Essex and South Suffolk SMP, the features, their interactions and relationships have been visualised in a set of graphics. The complete overview of features in the theme review was used as a starting point. The graphics were then used to validate and improve the team's understanding of the area through discussions with the CSG, EMF and Key Stakeholder Groups.

D2 Methodology

D2.1 Identification of features

Features were identified as any tangible physical entity from Ordnance Survey (OS) maps (OS Landranger 168, 169 and 178), aerial photography and literature reviews. Significant discrete entities have been identified as features in their own right, whereas scattered features of a similar nature have been collectively identified as one feature (for example, built properties that did not constitute a discrete settlement were in many instances identified as a single feature "built properties within SMP unit").

After identifying features, the following information was ascertained for each and presented in a tabular form:

- Issue associated with feature.
- Potential to affect SMP policy.
- Benefits of feature/Why is the issue important?
- Scale (local, regional, national or international).
- Issue type/theme.
- Beneficiaries of the feature.
- What could affect its value / sustainability.
- Frequency of occurrence of the feature.
- Potential for substitution of the feature.
- Objectives for that feature.

The ultimate aim was to determine the objective of the feature so that this can be used as a basis for developing policy appraisal objectives later on in this stage of the SMP.

As well as the description and assessment of distinct features, this theme review also contains a narrative characterisation of the land use and environment in the SMP area including its connections to the hinterland. This description is essential in capturing the interrelated nature of the features and the related values and issues.

D2.2 Brief description of the Essex and South Suffolk coastline

Essex and South Suffolk comprise of complex estuary systems, extensive salt marsh and intertidal areas of international, national and local conservation importance. It still has a small but active fishing fleet and, largely due to its proximity to London, has been a traditional holiday area for over a century.

Large-scale reclamation has taken place over the recent past, with large areas of grazing marsh at or below sea level. Overall the coastline is low-lying and protected by earth clay flood embankments with sea-facing revetment works or sea walls together with groynes. The geology of Essex and South Suffolk is a complex array of varying marine, alluvial and glacial drift sediments that overlie the thick deposits of the London clay and terrace gravels. The clay is part of the older strata of rocks that form the eastern sector of the London Basin, a bowl created from the Cretaceous chalk.

The Essex and South Suffolk SMP shoreline covers a length of around 550 km between Felixstowe Port and Two-tree Island near Southend. and comprises of sediment sub-cell number 8 in the national numbering system (until recently called 3d). Essex and South Suffolk have an unusual coastline. It is formed of a series of interlinked estuaries, these being the Stour and Orwell, Hamford Water, Colne and Blackwater, the Crouch / Roach and the Thames. These estuary systems are interrupted by discrete units of open coast - Walton to Colne Point, the Dengie peninsula and the Maplin / Foulness shore. Much of the estuarine areas are dominated by muddy intertidal flats and saltmarshes, whereas in areas of open coast there is a mixture of London clay sea cliffs and shingle, sandy and muddy beaches.

D2.3 Area of search

Examination of LiDAR (Light Detection and Ranging) data indicates that large areas of the coastal fringe are at or below relative sea level. These low-lying areas extend into the estuary systems. The area of search for the Essex and South Suffolk SMP has been defined as that within the 1 in 1000 year tidal flood zone (land which has a 0.001 per cent chance of inundation each year), with an allowance for rise in relative sea level as a result of global climate change and for potential coastal erosion.

Extreme water levels are affected by meteorological effects such as wind and atmospheric pressure, which can lead to positive or negative surges.

Extreme water levels for the frontage have been taken from the Environment Agency report on Extreme Tide Levels (Royal Haskoning 2007), to which a factor of 1.5 metres has been added to compensate for sea level rise over the period 2008 to 2105 (Table D 1). (1.5 metres is more than the value in Defra's guidance for sea level rise). This conservative approach was taken specifically for the theme review to ensure that the SMP takes account of all affected features, including those on the edge of the (future) tidal flood zone. Note that for all other aspects of the SMP, the values according to Defra's guidance have been used (see appendix C).

Table D 1 Extreme tide levels for Essex and South Suffolk SMP area, with additional climate change factoring (based on Royal Haskoning, 2007).

Location	Return period extreme tide levels (mODN)	
	2005 1:1000	2105 1:1000
Harwich	4.26	5.76
Walton-on-the-Haze	4.29	5.79
Brinton-on-Sea	4.33	5.83
Holland-on-Sea	4.40	5.90
Clacton-on-Sea	4.43	5.93
Colne Point	4.51	6.01
Sales Point	4.59	6.09
Holliwell Point	4.67	6.17
Shoeburyness	4.84	6.34
Southend-on-Sea	5.00	6.50

In order to ensure full coverage, we have used the 2105 1:1000 return period for Southend-on-Sea (6.5 metres ODN) to define the area of search for the theme review.

The Essex and South Suffolk SMP shoreline has been divided into nine theme review units based on recognisable landmarks and manageable assessment units for identification of features. Within this report, features have been tabulated according to these units, with features occurring over the entire coast being tabulated separately. The feature tables presented in this report are:

- Essex and South Suffolk -wide features
- Frontage A – Felixstowe Port to Little Oakley
- Frontage B –Little Oakley to Walton-on-the-Naze
- Frontage C –Walton-on-the-Naze to Colne Point
- Frontage D – Colne Point to East Mersea
- Frontage E –East Mersea to Sales Point
- Frontage F –Sales Point to Holliwell Point (North)

- Frontage G – Holliwell Point (North) to Courtsend/Foulness Point
- Frontage H –Courtsend / Foulness Point North Shoebury
- Frontage I – North Shoebury to Two-tree Island.

D2.3.1 Upstream extent of SMP on rivers

The extent to which the SMP area extends upstream into the main rivers is determined in part by the fact that fluvial flooding issues fall within the scope of Catchment Flood Management Plans (CFMPs).

The SMP will develop policies for the shoreline and defences up to these boundaries and will therefore have to take into account the features and issues that can affect or be affected by erosion of these defences or flooding through these defences.

D2.4 Generic grouping of features

Features were classified within the following categories:

- Built properties
- Roads and infrastructure
- Land use and natural, landscape and heritage features
- Other

Broadly speaking, similar features were present in all SMP units, due to the broadly similar nature of the coastline and hinterland of Essex and South Suffolk. Further commentary on these features is provided below and should be read in conjunction with the table of features.

D2.5 Generic reasoning for analysis of features within tables

A number of features occur repeatedly throughout all or most units. In responding to the column headings (see bullets in **Section D2.1**), unless local circumstances dictate otherwise, the responses have remained consistent. Given the brevity of the responses in the table, some elaboration of each response is valuable and is provided below:

D2.5.1 Potential to affect SMP policy

All the features identified in the tables have been included because they are relevant to SMP policy to a greater or lesser extent. As the SMP evolves, for example at consultation, some issues may be determined as not relevant to the SMP. These will be identified as such in the table, but retained to indicate to consultees that these issues were initially considered but deemed not relevant.

D2.5.2 Benefits of feature / why is the issue important

Benefits of features and importance of issues have been expressed in terms of values – for example economic, cultural, aesthetic, conservation, amenity.

D2.5.3 Scale (local, regional, national or international)

In general, smaller settlements and minor roads serving smaller settlements and scattered properties have been determined as being of local importance. Larger settlements and main roads that provide connections between the major settlements and the wider road network have been determined as being of regional significance. In the Essex and South Suffolk SMP area, agricultural land has been determined as being of regional significance. Importance of areas of conservation interest has been based on the particular designation type (international, national, local) of each individual feature, with the highest ranked feature taking precedence.

D2.5.4 Issue type/theme

In line with the guidance recommendations, the issues have been grouped by themes:

- **P** - Physical (geomorphology, processes, erosion, topography, waves, water levels etc)
- **E** - Environment (specifically the natural heritage, nature conservation and geology)
- **H** - Heritage and culture
- **HA** - Hard assets (properties and infrastructure)
- **R** - Recreation (including beach use)
- **C** - Commercial activities (being the area of activity as distinct from the specific hard assets associated with the commercial activity)
- **I** - Impactor (this theme being specifically and distinctively relevant to local areas of the Essex and South Suffolk coastline and also essentially identified in relation to the Water Framework Directive)

The themes expand on the core themes presented in the guidance, reflecting the particular character of the Essex and South Suffolk coastline.

D2.5.5 Is there enough of the benefit provided by the feature?

For most features, the maximum benefit from the feature is used, for example roads and housing. Unless there is knowledge of a shortage, the conclusion is yes, there is enough benefit.

Conservation features, particularly those with international designations, would be described as not having enough of the benefit as an issue exists with the scarcity of the feature, hence the designation.

D2.5.6 Potential for substitution of the feature

For many features, substitution is possible. Financial constraints that may in practice render substitution unfeasible have not been incorporated into judgements on whether substitution is possible. It should also be stressed that, in many instances, although substitution is possible, clearly the feature is specific to a location and substitution will not be an exact like-for-like replacement.

D2.5.7 Objectives for that feature

In identifying objectives for the feature, rather than merely stating the objective in terms of what the feature 'is', objectives have been expressed in terms of 'the function of the feature'. For illustrative purposes, in the case of a road that was deemed to have a benefit, the objective would not be "maintain road", but rather "ensure the transport benefits currently conferred by the road are maintained" (that is, the means by which these benefits are realised is not specified).

D3 Features common to the whole Essex and South Suffolk coast SMP area

The Essex and South Suffolk coast is of particularly high conservation value but is vulnerable as it is under continual threat from natural storm conditions. To the north, between Harwich and the Colne, beaches have a thin veneer of sand overlying clay which makes them susceptible to erosion. To the south, there are wide intertidal zones of sands, silt and mud with saltmarshes on the landward side. These areas of coast are suffering from the phenomenon of "coastal squeeze" where the intertidal zone is trapped between the coastal defence (flood bank or sea wall) and rising sea levels. As a result many of the saltmarshes are in decline, exposing the defences to increased wave attack and causing concern to engineers and environmentalists alike. Each of these habitats in turn supports a range of species of high conservation value, including birds, plants and invertebrates. The high conservation value of the coastline is reflected by the level of statutory nature conservation and landscape designations. These designations have important implications for any prospective developments, management or policies relating to the Essex and South Suffolk coast.

Broadly speaking, nature conservation designations seek to conserve designated areas and the habitats and species that are the basis of their statutory designations. However, different designations are derived from different pieces of legislation that each vary in the nature and mechanisms of their protection. The statutory designations that apply to the Essex and South Suffolk SMP2 area and their implications and requirements, are detailed in the next section. SACs, SPAs and Ramsar sites are covered by the provisions of the Conservation (Natural Habitats &c.) Regulations (1994) (the Habitat Regulations). This includes stringent requirements that 'plans or projects' not directly connected with, or necessary for, managing the (SAC, SPA or Ramsar) site can only proceed where it can be demonstrated by the competent authority for consenting the plan or project that it will not adversely affect the integrity of the site. Shoreline Management Plans come under the definition of 'plan or project' and must therefore pass this test through an 'appropriate assessment' if any policy in the SMP could cause adverse effect on a designated site. Appendix M contains the Habitats Regulation Assessment for the Essex and South Suffolk SMP2.

The inherently dynamic nature of coastal environments, and the potential of flood risk management structures and practices both to constrain (for example by holding or advancing the line) and create (for example from no active intervention or managed realignment) habitat means that SMP policies has a highly significant bearing on natural habitats and designated sites. Where plans or projects (policies within the SMP in this context) cannot be determined as having no adverse effect on site integrity, they may nonetheless proceed if no alternative solutions exist and they are deemed necessary on the basis of having imperative reasons of over-riding public

importance (IROPI). Where projects are allowed to proceed on this basis, compensatory measures must be secured to ensure that the overall coherence of the Natura network (SPAs and SACs) is maintained. In the context of coastal habitats, this might include creating new habitats in adjacent coastal areas by managed realignment.

D3.1 Ramsar, SAC, SPA and SSSI sites

The Essex Coast SSSI and Essex Estuaries SAC sites cover every frontage in the SMP area. No attempt has been made to determine which qualifying features (species and habitats) are present within each unit and the extent to which these are present. Rather, it has been assumed that all designated and qualifying features are present within each unit. Given this, these common designations and their qualifying features have not been included in each unit table, but in a single table of Essex coast-wide features.

Additional Ramsar, SAC, SPA and SSSI sites are located along the Essex coastline. However, these do not expand across the whole SMP area and will therefore be included in each individual unit table.

D3.1.1 Essex Estuaries SAC

The Essex Estuaries SAC is a large estuarine site in south east of England. It is a typical, undeveloped, coastal plain estuarine system with associated open coastal mudflats and sandbanks. The site comprises of the major estuaries of the Colne, Blackwater, Crouch and Roach Rivers and is important as an extensive area of contiguous estuarine habitat. Essex Estuaries contains a very wide range of characteristic marine and estuarine sediment communities and some diverse and unusual marine communities in the lower reaches, including rich sponge communities on mixed, tide-swept substrates. Sub-littoral areas have a very rich invertebrate fauna, including the reef-building worm *Sabellaria spinulosa*, the brittlestar *Ophiothrix fragilis*, crustaceans and ascidians. The site also has large areas of saltmarsh and other important coastal habitats.

D3.1.2 Essex and South Suffolk coast

This is a composite site consisting of four National Nature Reserves (NNR) at Hamford, Dengie, Blackwater and Colne. There are also numerous SSSIs that can be included. The full list of SSSIs are Stour and Copperas Woods, Stour Estuary, Cattawade Marshes, The Naze, Harwich Foreshore, Little Oakley Channel Deposit, Holland Haven marshes, Holland on Sea Cliff, St Osyth Pit, Clacton Cliffs and Forehore, Crouch and Roach Estuaries, The Cliff – Burnham on Crouch, Maldon Cutting, Sandbeach Meadows, Foulness, Benfleet and Southend Marshes.

The nature reserves follow the Ramsar designations. Hamford Water, Dengie, Crouch and Roach Estuaries, Colne and Blackwater Estuaries,

Foulness, Benfleet and Southend Marshes are Ramsar sites of importance and form an almost continuous strip along the Essex coast.

D3.2 National Nature Reserves

Although various statutory nature designations apply to Essex and South Suffolk (see above), only the NNR designation relates to, and fosters the promotion of, access to and enjoyment of the nature conservation value of the area. So the features of the NNR, as well as access to and visitor facilities for the reserve, are of high amenity, educational and local economic value.

D3.3 Local Nature Reserves

On a smaller scale, LNR designations apply to areas within the Essex and South Suffolk study area. These sites also promote access to the conservation sites and provide an important resource for the local community.

D4 Characterisation of land use and environment

It should be noted that the assessment units considered for the theme review are different to the SMP management units.

D4.1 Theme review Unit A – Felixstowe Port to Little Oakley

This frontage covers the estuaries of the River Stour up to Stratford St Mary and the River Orwell up to Ipswich. Most of the land surrounding the estuaries falls outside the 1 in 1000 year flood zone and, where this is the case, there are no man-made defences.

Notable exceptions are the ports of Harwich and Felixstowe that have substantial economic value from passenger ferry services and cargo shipping. The ports are protected by a variety of defences. Parts of Ipswich are also within the tidal flood zone, with numerous marinas along the River Orwell that have both recreational and economic value. Harwich also gives recreational value through a golf club, its museums and sites of historic importance.

The Stour and Orwell estuaries are of international environmental importance, comprising of extensive mudflats, low cliffs, saltmarsh and small areas of vegetated shingle on the lower reaches. The estuaries provide habitats for an important assemblage of wetland birds and internationally important numbers of wintering and passage wildfowl and waders. The site also holds several nationally scarce plants and British Red Data Book invertebrates.

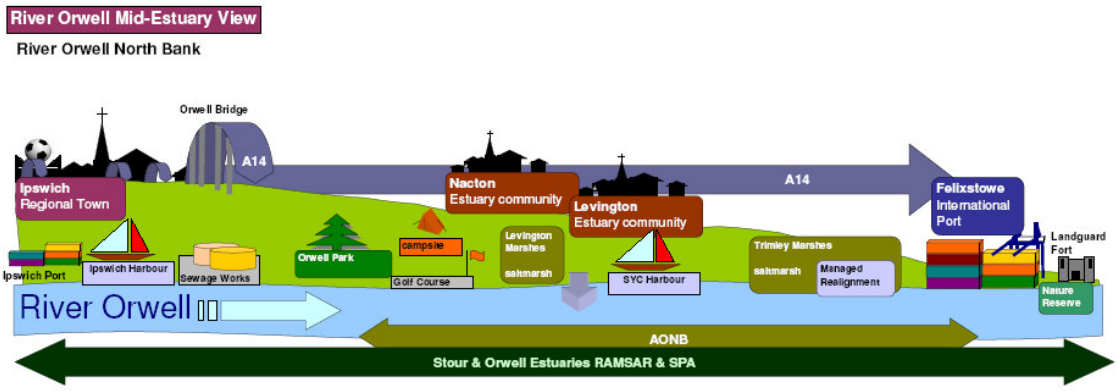
The Cattawade Marshes SSSI lies at the head of the Stour estuary and is situated between the freshwater and tidal channels of the River Stour. These grazing marshes with associated open water and fen habitats are of major importance for the diversity of their breeding bird community. This includes species that have become uncommon throughout lowland Britain as a result of habitat loss. They are also an important example of historic coastal grazing marsh and have the potential for well-preserved palaeo-environmental deposits.

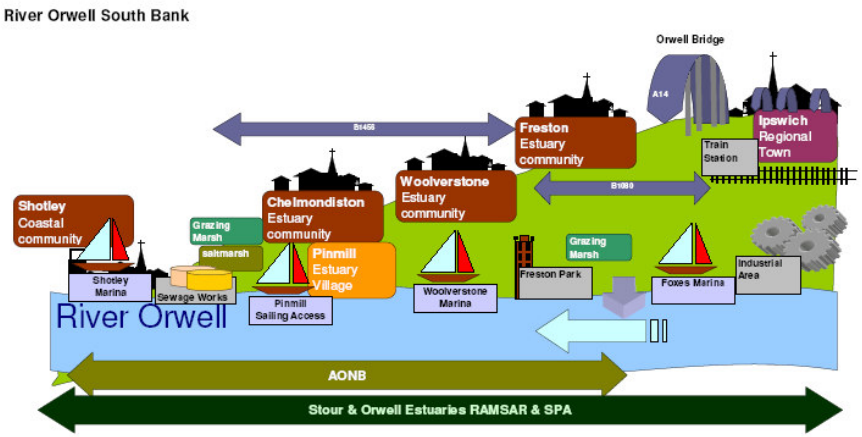
The Harwich Foreshore SSSI yields the only fossil flora attributable to the lowest division of the Eocene London clay. Its composition is typical of the formation and specimens are abundant. Association of the plants with ash bands within the clay may help correlations elsewhere in the basin as they form useful marker horizons. This is a recently-discovered site with great research potential.

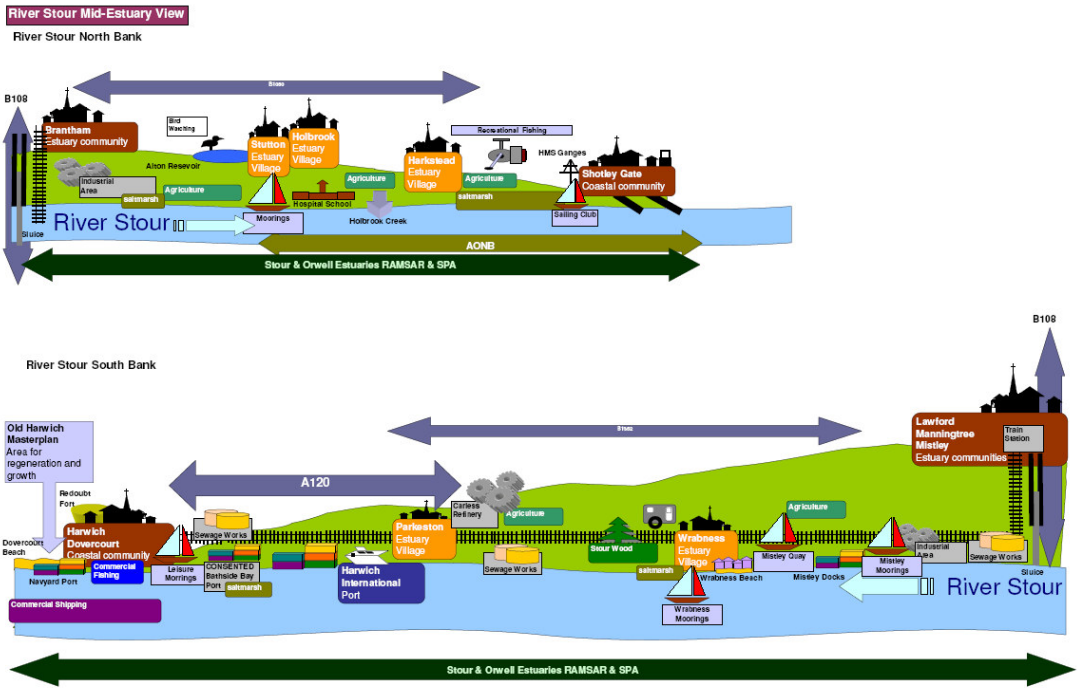
The estuarine frontages of the Orwell and the northern frontage of the Stour are part of the Suffolk Coast and Heaths Area of Outstanding Natural Beauty (AONB). this designation reflects its unique landscape character.

In unit A, within the intertidal area of the Stour estuary there are a range of finds from worked flints to hulks that highlight the long history of human exploitation of the estuary. Quays, landing places and wrecks survive clustered around the historic ports of Manningtree and Mistley, jetties and other timber structures can be anticipated along the length of the estuary.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.







D4.2 Theme Review Unit B – Little Oakley to Walton-on-the-Naze

The land associated with this frontage in the 1 in 1000 year tidal flood zone includes the islands and the low-lying land surrounding Hamford Water. The defences comprise of revetments and sea walls, except for sections where there are natural defences.

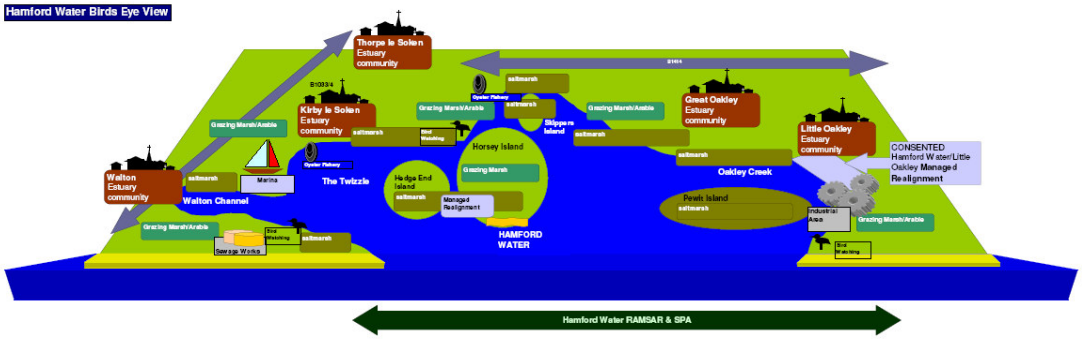
There is no significant settlements in the tidal flood zone. However, some properties do lie within the zone around the edge of Hamford Water. Most of the area is agricultural land. The B1414 crosses the tidal flood zone at Beaumont Key and the B1043 is at risk near Kirby-le-Soken. Titchmarsh marina provides recreational and economic value to the area.

Hamford Water National Nature Reserve, Ramsar and SSSI site is a large, shallow estuarine basin comprising of tidal creeks and islands, intertidal mud and sand flats and saltmarsh supporting rare plants and internationally important species/populations of migratory waterfowl. The site is of international importance for breeding little terns and wintering Dark-bellied Brent Geese, wildfowl and waders and of national importance for many other bird species. It also supports communities of coastal plants that are rare or extremely local in Britain, including hog's fennel, *Peucedanum officinale* which is only found elsewhere in Kent.

The historic landscape between Little Oakley and Walton-on-the-Naze is dominated by post-medieval remains. It is marked by earthworks including current and former sea walls, enclosures, decoy ponds and the surviving historic structures of the explosives factory on Bramble Island. Other industrial works include the scheduled lime kiln and quay at the end of

Beaumont Cut and the tidal mill pond of Walton mere. Jetties, quays and trackways highlight the importance of access to and from the sea and the relationship with adjacent dryland areas. Earlier exploitation of the area is marked by numerous red hills (salt-making sites). Important areas of historic grazing marsh also survive, as it does on Horsey Island.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.



D4.3 Theme review Unit C – Walton-on-the-Naze to Colne Point

There is less low-lying land along this frontage than most of the other frontages, with the exceptions being St Osyth Marsh, Seawick, Holland Haven Marshes and part of Walton-on-the-Naze. These areas are mainly protected by a combination of revetments and sea walls. The large settlements of Clacton-on-Sea and Frinton-on-Sea are protected by a variety of defences, mainly sea walls and groynes, but are mostly above the 1 in 1000 year tidal flood zone.

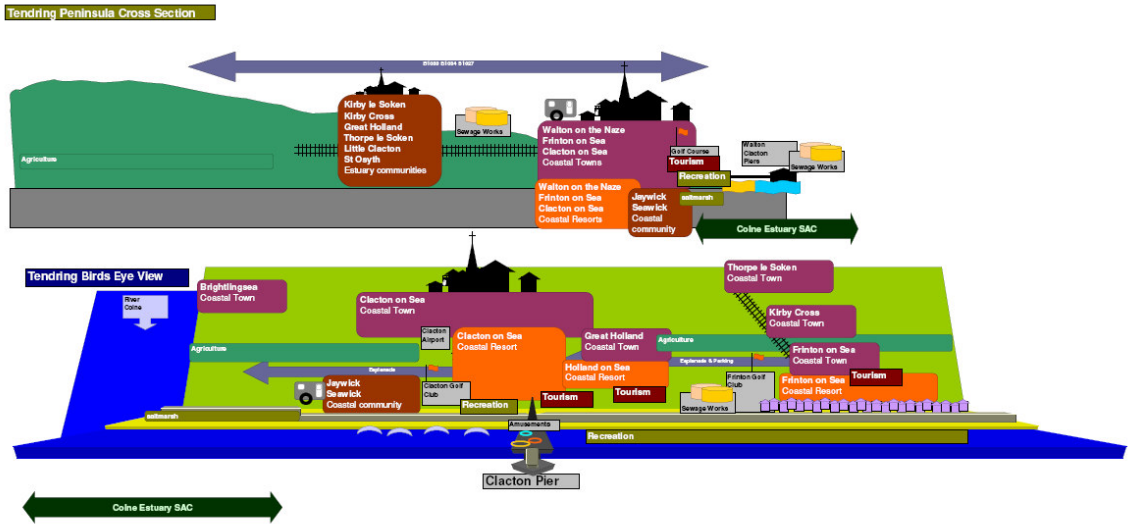
St Osyth Marsh comprises of drained agricultural land protected by a revetment, with the settlements of Seawick and Jaywick to the east including a large caravan park that is at risk of flooding. Clacton golf club provides local recreational value and falls within the 1 in 1000 year tidal flood zone, which also includes parts of Clacton Cliffs and Foreshore SSSI. The foreshore and cliff exposures and excavations in the Clacton district have provided opportunities for the study of one of the most important Pleistocene interglacial deposits in Britain, including early Palaeolithic remains. The Holland-on-Sea Cliffs SSSI represents a stratigraphic site of considerable importance. These sites can be precisely attributed to the Anglian glaciation, providing a fixed dating point within the terrace sequence of the eastern London Basin and a means of correlation with sequences where the Anglian is represented elsewhere in southern Britain and on the continent.

The sea front at Clacton-on-Sea has important recreational and tourism value with attractions including the beach and pier. Walton-on-the-Naze is another important tourist destination with its frontage and pier. Although most of these settlements are outside the tidal flood zone they are at risk from

coastal erosion which is an issue along this frontage. As a result, there are extensive coast protection works.

Holland Haven Marshes SSSI represents an outstanding example of a freshwater to brackish water transition and includes a number of nationally and locally scarce species. Holland Haven country park, situated on the flood plain of Holland Brook, is important both for conservation and recreational value and is likely to contain well-preserved palaeo-environmental deposits. Part of Walton-on-the-Naze is also within the tidal flood zone, with several buildings and a caravan site at risk. There are several Martello towers along this part of the coast. These are small defensive forts built in the 19th century that are of national historic significance. The unit is also characterised by later World War two defensive structures. The Trinity House tower at Walton-on-the-Naze is an important historic landmark.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.



D4.4 Theme review Unit D – Colne Point to East Mersea

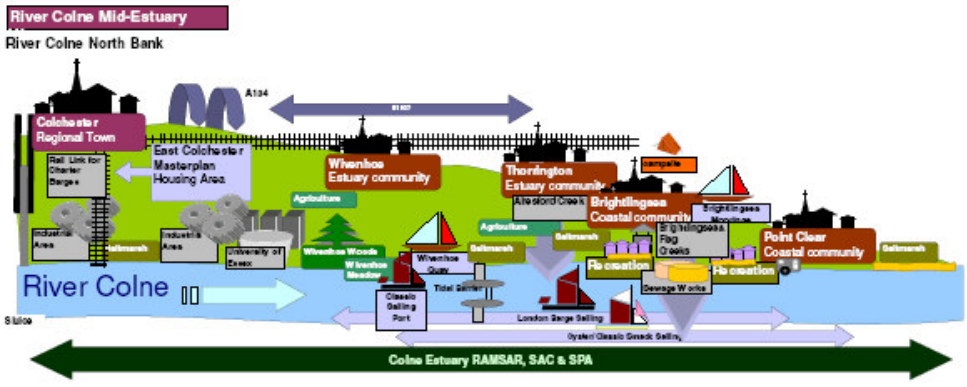
This frontage comprises of the low-lying land of the Colne estuary, which has flood defences along most of the frontage. Between Colne Point and Sandy Point, revetment protects the agricultural land of St Osyth Marsh. At Point Clear, there is a large caravan site within the 1 in 1000 year tidal flood zone as well as another Martello tower, an associated battery and a museum, all of which are also protected by a revetment. Important areas of historic coastal grazing marsh survive, for example at Langenhoe Marsh, Fingringhoe Marsh and Howlands Marsh. The latter contributes to the setting of adjacent St Osyth Park. These features give this location significant value as a tourist destination. The camping and caravan site at Brightlingsea also provides amenity and tourist value. The area is characterised by post-medieval oyster

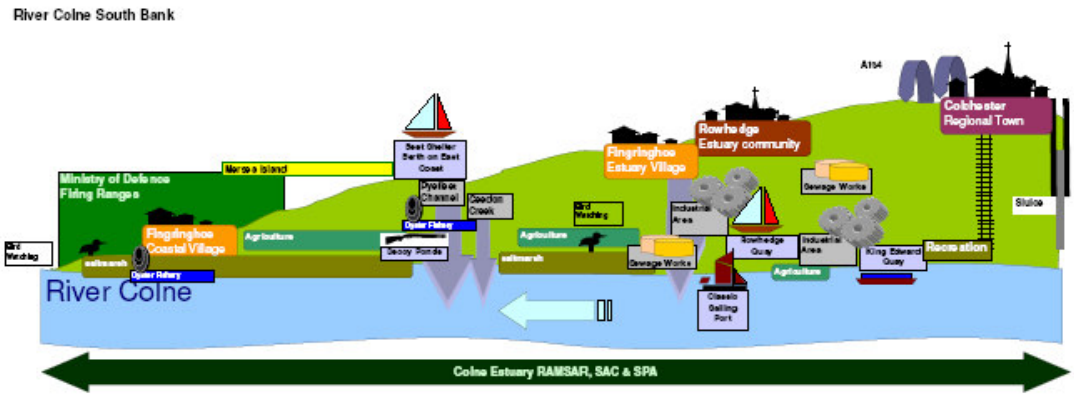
pits, hulks and relict sea defences as well as defensive structures. Earlier occupation and exploitation of the area is marked by red hills (salt manufacturing sites) and timber structures. There is also potential for prehistoric land surfaces surviving.

Most of the land in the tidal flood zone lies within the river flood plain and agricultural land. There are pockets of communities at Point Clear, Brightlingsea, Thorrington, Wivenhoe and Rowhedge. The Wick Marsh - Langenhoe Marsh and Fingringhoe Marsh area has military importance as a Ministry of Defence firing range is also within the tidal flood zone.

The Colne Estuary Ramsar site, SAC, SPA, SSSI and NNR is of international importance for wintering Brent geese and black-tailed godwit and is of national importance for breeding little terns and five other species of wintering waders and wildfowl. The variety of habitats which include mudflat, saltmarsh, grazing marsh, sand and shingle spits, disused gravel pits and reedbeds support outstanding assemblages of invertebrates and plants. Recently, saltmarsh erosion has sped up, reflecting the ebb tidal dominance within the estuary.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.





D4.5 Theme review Unit E – East Mersea to Sales Point

This unit covers the low-lying land surrounding the Blackwater estuary extending inland to Maldon. Defences are for the most part revetments and sea walls, except for sections of sea wall around Maldon and at a few other locations.

Overall, the area within the 1 in 1000 year tidal flood zone is agricultural land with scattered farm buildings. There are, however, several settlements within this zone: St Lawrence, Mayland, Maylandsea, parts of Maldon and Goldhanger. Sections of several B-roads, as well as numerous minor roads, are also in the tidal flood zone. The campsites at St Lawrence, Mayland Creek and Vaulty Manor provide amenity value. There are several marinas in the estuary that have recreational, amenity and economic value. The site of the Battle of Maldon and National Trust property is also a valuable tourist attraction.

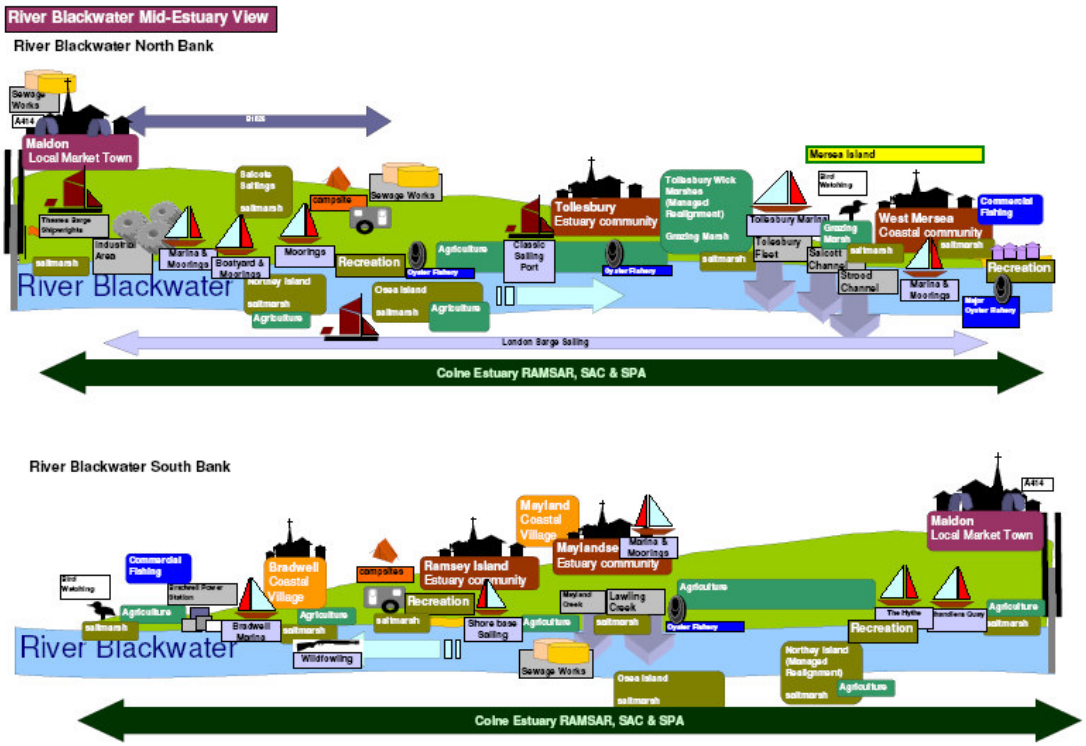
Bradwell nuclear power station is currently being decommissioned. There are, however, plans to build a new nuclear plant on the site and flooding or undermining of this site would cause numerous issues. The site itself was built on higher ground to avoid flood risk.

Blackwater Estuary NNR and SSSI is the largest estuary in Essex north of the Thames and is one of the largest estuarine complexes in East Anglia. The mudflats are fringed by saltmarsh on the upper shores and support internationally and nationally important numbers of overwintering waterfowl. Shingle and shell banks and offshore islands are also a feature of the tidal flats. The surrounding terrestrial habitats - the sea wall, ancient grazing marsh and its associated fleet and ditch systems, plus semi-improved grassland - are also of high conservation interest. This rich mosaic of habitats supports an outstanding assemblage of nationally scarce plants and nationally important of rare invertebrates.

The area includes extensive settled neolithic land surface preserved within the intertidal zone. There are also many large timber fish weirs of Saxon date. There are numerous red hills (salt-making sites) and duck-decoy ponds on the current and former marshes. The estuary is fringed by extensive cropmark landscapes dating to the prehistoric and Roman period. Existing areas of grazing marsh as at Old Hall and Tollesbury Wick are complex historic landscapes. Taken together, the Blackwater estuary has one of the most significant coastal wetland historic environments in England. Consequently, the Blackwater estuary has been included on the English Heritage list of nationally significant wetland sites as part of the Heritage Management of England's Wetlands initiative.

Northey Island Nature Reserve (National Trust), Ray Island Nature Reserve (National Trust) and several other local nature reserves further highlight the conservation value of much of the tidal flood zone.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.



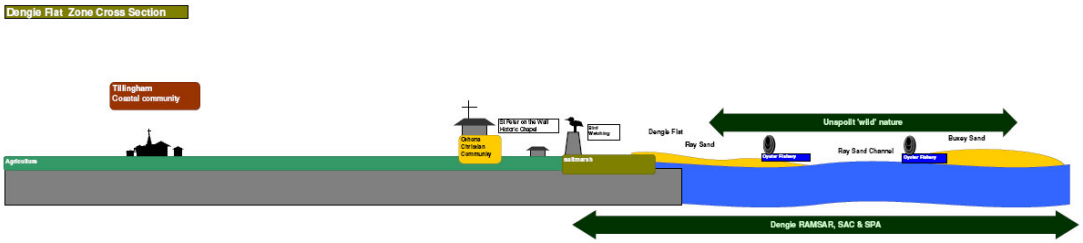
D4.6 Theme review Unit F – Sales Point to Holliwell Point (North)

Within this frontage the 1 in 1000 year tidal flood zone is quite extensive. Defences extend along its entire length, a majority of which is reveted, except for the stretch near St Peter's chapel. The tidal flood zone is almost exclusively drained agricultural land with scattered farm buildings and some minor roads, as well as the Dengie and Bradwell Marshes. Othona Roman fort, a Saxon shorefort, and St Peters chapel have important value historically and as tourist attractions.

The Dengie NNR, Ramsar site, SPA and SSSI saltmarsh is the largest continuous example of its type in Essex and South Suffolk. The foreshore, saltmarsh and beaches support an outstanding assemblage of rare coastal flora and internationally and nationally important wintering populations of wildfowl and waders, as well as supporting a range of breeding coastal birds in summer. Bradwell Cockle Spit Nature Reserve consists of saltmarsh and shellbank habitats that support numerous species of breeding bird species.

Within the unit there are numerous red hills (salt-making sites) marking the interface between the former marsh and the dryland. In addition, there are also buried cheniers of prehistoric or early historic date together with relict sea walls, decoy ponds and other features relating to the exploitation of marshland.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.



D4.7 Theme review Unit G – Holliwell Point (North) to Courtsend/Foulness Point

The land within this unit that sits in the 1 in 1000 year tidal flood zone includes the low-lying areas surrounding the Roach and Crouch estuaries, with the southern section of the tidal flood zone overlapping with that of Frontage H. The flood defences are typical of the region, with most being revetments and sea banks with small sections of sea wall. There are more substantial defences around the larger settlements, such as South Woodham Ferrers and Rochford.

The settlements in the tidal flood zone include parts of Rochford, South Woodham Ferrers, Burnham-on-Crouch, Paglesham Churchend and Paglesham Eastend. Infrastructure found in the tidal flood zone includes several minor roads and the railway line between Woodham Ferrers and Burnham-on-Crouch, along with the station at Althorne.

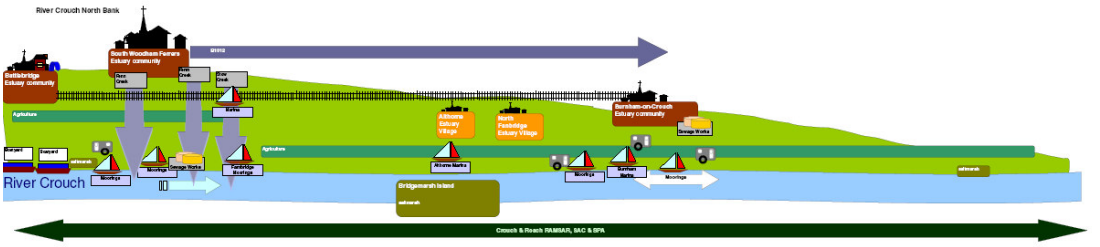
The marinas at Burnham-on-Crouch, Althorne and North Fambridge provide recreational and economic value, along with the campsites around Burnham-on-Crouch. Foulness and Potton islands have significant military importance as firing ranges for the Ministry of Defence.

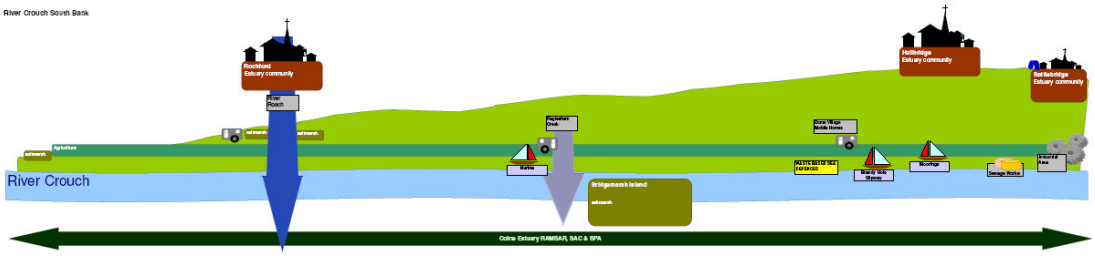
In unit G, a range of archaeological deposits and features, including prehistoric relict land surfaces, peats and 'submerged forests' survive well, within and beneath the alluvium and in the intertidal zone. There are also numerous red hills, relict sea walls, oyster pits, timber structures and military remains. The existing grazing marshes are complex and significant historic landscapes. In view of its complex and important historic environment the upper Crouch estuary has been included on the English Heritage list of

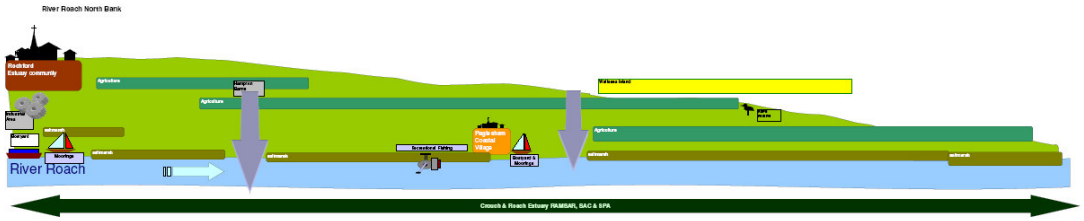
nationally significant wetland sites as part of the Heritage Management of England's Wetlands initiative.

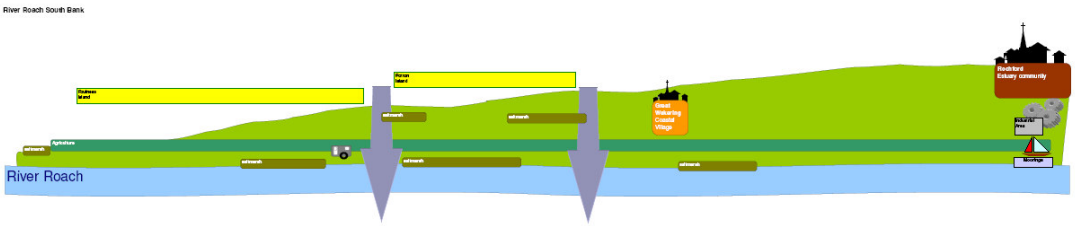
The Crouch and Roach Estuaries Ramsar site, SPA and SSSI is of international importance for bird species, with other interest being provided by the water and land invertebrates and an outstanding assemblage of nationally scarce plants.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.









D4.8 Theme review Unit H – Courtsend / Foulness Point to North Shoebury

This land in this unit is low-lying and overlaps with the 1 in 1000 year tidal flood zone of frontage G. The defences are continuous and mostly in the

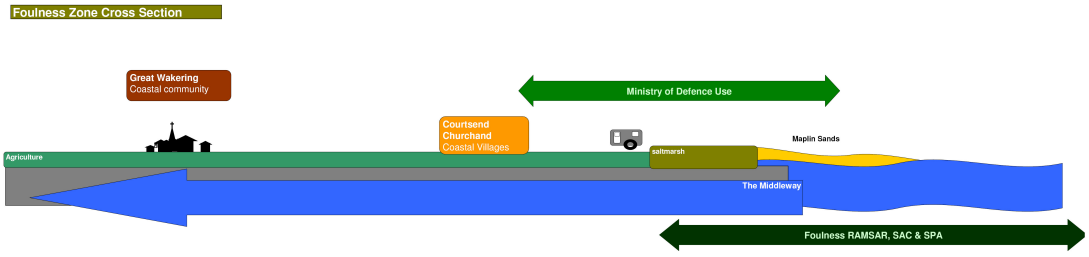
form of revetments or sea bank, except for a stretch of sea wall at North Shoebury.

Most of the tidal flood zone includes the Ministry of Defence controlled firing ranges on Havengore and Foulness Islands, which extend offshore onto Maplin Sands and have significant military importance. The area contains numerous associated buildings including the hamlets of Churchend and Courtsend which are at or below the 1 in 1000 year flood level. The Broomway pubic right of way across Maplin Sands has important amenity value.

Foulness Ramsar site, SPA and SSSI is part of an open coast estuarine system comprising of grazing marsh, saltmarsh, intertidal mudflats and sandflats. These support nationally rare and nationally scarce plants and nationally and internationally important populations of breeding, migratory and wintering waterfowl.

There are numerous red hills and extensive remains of oyster pits, wreck sites, quays, wharfs, sluices together with relict sea walls, other earthworks and World War two and cold war military remains. Foulness in particular has a remarkably well-preserved historic marshland landscape with many Roman, medieval and post-medieval features and buildings. In view of its complex and important historic environment Foulness Island has been included on the English Heritage list of nationally significant wetland sites as part of the Heritage Management of England's Wetlands initiative.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.



D4.9 Theme review Unit I – North Shoebury to Two-Tree Island

The land in the 1 in 1000 year tidal flood zone in this area is fairly limited comprising of small sections of the sea front of Southend-on-Sea. There are a variety of defences including sea walls, groynes and revetments.

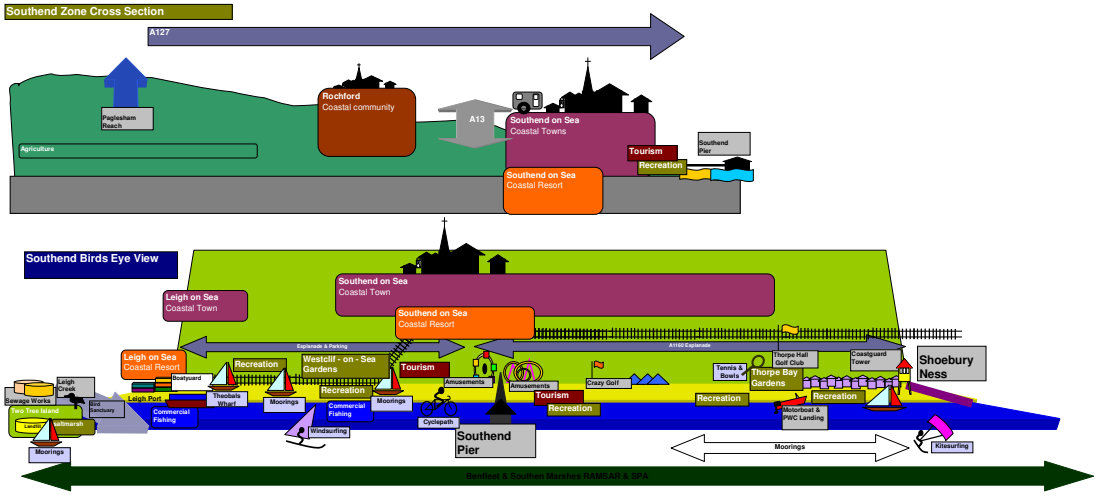
Southend-on-Sea is among the most populated and densely developed communities in the Essex and South Suffolk SMP area and functions as a regional coastal resort.

The whole frontage is at risk from erosion, which is why there are coastal defences along its whole length. The Southend-on-Sea sea front has important recreational and tourism value with its attractions including the beach, pier, aquarium and museum. Shoeburyness has military importance as a Ministry of Defence firing range.

In addition to the erosion risk, around nine kilometres of the frontage is low-lying. The land in the tidal flood zone covers nine kilometres linearly and extends up to 1.5 kilometres inland, comprising of small sections of the Southend-on-Sea frontage. There are thousands of properties in the tidal flood zone at Shoeburyness, Southchurch and other small areas of the sea front at Southend. Sections of the B1016 and the railway line at Leigh-on-Sea are also in the tidal flood zone, as is the Thorpe Hall golf course at Southchurch. Shoeburyness has military importance as a Ministry of Defence firing range.

Benfleet and Southend Marshes Ramsar site, SPA and SSSI is made up of an extensive series of saltmarshes, mudflats, scrub and grassland that support a range of flora and fauna. The south-facing slopes of the downs, made up of London clay capped by sand, represent the line of former river cliffs with several re-entrant valleys.

The graphics below show the key issues and features in this unit. Further details are presented in section D5.



D5 Issues and objectives table

Features associated with Essex and South Suffolk as a whole – that is, not limited to any one SMP unit										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Essex Estuaries SAC	If the sea encroaches inland or coastal erosion this may lead to loss of habitats	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Coastal squeeze Coastal erosion Development Coastal flooding Sea level rise Natural processes Inadequate maintenance	No	No	To maintain the site in favourable condition
Essex Coast SSSI	If the sea encroaches inland or coastal erosion this may lead to loss of habitats	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Coastal squeeze Coastal erosion Development Coastal flooding Sea level rise Natural processes Inadequate maintenance	No	No	To maintain the site in favourable condition

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Harwich	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Parkeston	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Ramsey	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Mistley	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Manningtree	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Dedham	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Stratford St Mary	If the sea encroaches inland - displaced residents and loss of	Yes	Homes for people – loss of housing stock and change in	Local	HA	Individual residents Local	Direct loss through coastal flooding or coastal erosion Loss of roads or services	Yes	No	To ensure risk to properties from coastal erosion and coastal

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	housing stock		local communities			community	Loss of value due to envisaged future coastal management/natural change			flooding is minimised
Built properties at Cattawade	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Holbrook	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Chelmondiston	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Ipswich	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Felixstowe	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
B1352 at Harwich	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main route out of Harwich	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the road are maintained
A136 at Parkeston	If the sea encroaches inland - undermining or	Yes	Main route to Harwich	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the road are

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	loss of the road		international port							maintained
A120 west from Harwich to TM200299	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main route out of Harwich	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1352 at Ramsey	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1352 at Mistley	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road through Mistley	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
A137 between Manningtree rail station and Cattawade	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1029 between Dedham and Stratford St Mary	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
A12 at Stratford St Mary	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1070 at Cattawade	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1080 at TM134345	In the event of encroachment of the sea inland - undermining or loss of	Yes	Main road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	the road									
B1080 at Holbrook (TM169358)	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1456 at Shotley Gate	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Only road access to properties on sea front	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1456 south of Ipswich	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
A14 at Orwell bridge	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
A137 south of Ipswich	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road into Ipswich from the south	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
Minor roads around Levington	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Responsible for connecting individual properties to major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
A154 in Felixstowe	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road in Felixstowe	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
A14 in Felixstowe	In the event of encroachment of the sea inland -	Yes	Main road in Felixstowe	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	undermining or loss of the road									
Railway between Harwich and TM218316	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network for Harwich and Harwich International	Local, national, international	HA	Local community National economy	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Railway at TM167314 TM136316 TM117317	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network for Harwich and Harwich International	Local, national, international	HA	Local community National economy	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Railway between Manningtree and Brantham	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network for Harwich and Harwich International Main line from London to Ipswich and Norwich	Local, national, international	HA	Regional community National economy	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Railway into Ipswich from the south	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network for Harwich and Harwich International	Local, Regional	HA	Local community Regional economy	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits currently conferred by the rail line are maintained
Railway into Felixstowe	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network for Felixstowe port and the town	Local, National, International	HA	Local community National economy	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits currently conferred by the rail line are maintained
Harwich railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network and a rail link to Southend-on-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits of the station
Dovercourt railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network and a rail link to Southend-on-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits of the station
Harwich International	If the sea encroaches inland - loss of station	Yes	Only rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits of the station

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
rail station	facilities		and a rail link to Southend-on-Sea							
Manningtree railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network and a rail link to Southend-on-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits of the station
Ipswich railway station	If the sea encroaches inland - loss of station facilities	Yes	Sole rail link to the wider rail network and a rail link to Southend-On-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits of the station
Car park at Harwich (TM248305)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at (TM167314)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at (TM169317)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Dedham (TM057336)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Lower Holbrook (TM176350)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at (TM205378)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Car park at (TM219392)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at (TM283321)	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Electricity transmission lines between TM081322 and TM082334	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	Maintain electricity transmission lines
Essex Way (public right of way) on southern bank of the River Stour	If the sea encroaches inland – loss of footpath	Yes	Amenity value	Local	R	Local community	Coastal flooding, coastal erosion	Yes	Yes	To maintain pedestrian access at this point
St Edmund's Way (public right of way), Stratford St Mary to Manningtree	If the sea encroaches inland – loss of footpath	Yes	Amenity value	Local	R	Local community	Coastal flooding, coastal erosion	Yes	Yes	To maintain pedestrian access at this point
Stour Valley Path (public right of way), Stratford St Mary to Brantham	If the sea encroaches inland – loss of footpath	Yes	Amenity value	Local	R	Local community	Coastal flooding, coastal erosion	Yes	Yes	To maintain pedestrian access at this point
Stour and Orwell Walk (public right of way)	If the sea encroaches inland – loss of footpath	Yes	Amenity value	Local	R	Local community	Coastal flooding, coastal erosion	Yes	Yes	To maintain pedestrian access at this point
Suffolk Coast and Heaths	If the sea encroaches inland – loss of	Yes	Amenity value	Local	R	Local community	Coastal flooding, coastal erosion	Yes	Yes	To maintain pedestrian access at this point

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Path	footpath									
Saltmarsh habitat	If the sea encroaches inland - loss of saltmarsh habitat	Yes	Conservation value Amenity value	National	P	Broader society	Sea level rise Land take for development Natural processes	Yes	Yes	To ensure the extent, distribution and quality of saltmarsh habitat is maintained / restored
Agricultural land	In the event of encroachment of the sea inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through Coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained
Stour and Orwell Estuaries (Ramsar site and SPA)	Coastal squeeze from existing or future enhancement of flood defence structures and management may lead to loss of habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Stour Estuary SSSI	Coastal squeeze from existing or future enhancement of flood defence structures and management may lead to loss of habitats for over wintering birds	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain this site in a favourable condition
Hamford Water (Ramsar site, SPA, SSSI, NNR)	Coastal squeeze from existing or future enhancement of flood defence structures and management may lead to loss of habitats	Yes	Stringent means of maintaining conservation value of the site	International, national	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management	No	No	To maintain the site in favourable condition

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Sea level rise Increased storm frequency and intensity			
Cattawade Marshes SSSI	If the sea encroaches inland - loss of habitat for breeding bird communities	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the habitat in favourable condition
Little Oakley Channel Deposits SSSI	Important reserve of Pleistocene interglacial channel-fill sediments including faunal and floral remains	Yes	Unique site in Britain	National	E	Broader society	Coastal squeeze Erosion Sea level rise Natural processes	No	No	To maintain the habitat in a favourable condition
Harwich Foreshore SSSI (geological)	If the sea encroaches inland or coastal erosion loss of cliff exposures	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition
Stutton Cliff SSSI (geological)	If the sea encroaches inland or coastal erosion - loss of cliff exposures	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition
Nacton Cliff SSSI (geological)	If the sea encroaches inland or coastal erosion - loss of cliff exposures.	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Harkstead Cliff SSSI (geological)	If the sea encroaches inland or coastal erosion - loss of cliff exposures.	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition
Oakfield Wood nature reserve	If the sea encroaches inland or coastal erosion - loss of 'green burial ground'	Yes	Conservation value	Local	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Changes in current shoreline management Sea level rise	No	No	To maintain the site in favourable condition
Wrabness Local Nature Reserve (TM161316)	If the sea encroaches inland or coastal erosion - loss of protected habitats	Yes	Conservation value	Local	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Changes in current shoreline management Sea level rise	No	No	To maintain the site in favourable condition
Nature reserve at (TM114324)	If the sea encroaches inland or coastal erosion - loss of protected habitats	Yes	Conservation value	Local	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Changes in current shoreline management Sea level rise	No	No	To maintain the site in favourable condition
Trimley Marshes Nature Reserve	If the sea encroaches inland or coastal erosion - loss of protected habitats	Yes	Conservation value	Local	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Changes in current shoreline management Sea level rise	No	No	To maintain the site in favourable condition
Orwell country	If the sea encroaches	Yes	Conservation value	Regional	E/R	Broader society	Development	No	No	To maintain the site in

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
park	inland or coastal erosion - loss of protected habitats and recreational site		Recreation value				Disturbance Natural processes Coastal erosion Coastal flooding Changes in current shoreline management Sea level rise			favourable condition and maintain its recreational value
Flatford Mill field studies centre and National Trust property	In the event of encroachment of the sea inland - loss of field studies centre	Yes	Conservation value and educational value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Changes in current shoreline management Sea level rise	No	No	To maintain the conservation and educational values of the centre
Mistley Park Place animal rescue centre	In the event of encroachment of the sea inland - loss of animal rescue centre	Yes	Amenity Value	Local	HA	Broader society	Coastal erosion Coastal flooding Sea level rise	Yes	Yes	To maintain the amenity value of the centre
Inshore rescue boat station at Harwich	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the inshore rescue boat station.	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained
Lifeboat station at Harwich	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the lifeboat station.	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained
Caravan park and campsite at TM194403	If the sea encroaches inland – loss of caravan park	Yes	Amenity value and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland	Yes	Yes	To ensure risk to caravan and campsite from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity values

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased storm frequency and intensity			
Harwich and Dovercourt golf club	Erosion and progradation Coastal squeeze Sea level rise Increased storm frequency and intensity	Yes	Recreational value	Local	R	Regional community and local economy	Sea level rise Coastal squeeze Development Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To maintain the value of the site for recreational purposes
Wolverstone marina	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Fox's marina, Ipswich	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Ipswich Haven marina	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Neptune marina, Ipswich	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Marina at Shotley Point	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional	Coastal squeeze Sea level rise	Yes	Yes	To ensure risk to marina from coastal

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
						community	Coastal erosion Natural processes Encroachment of the sea inland			processes is minimised
Levington marina	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Piers at Harwich	If the sea encroaches inland or coastal erosion - undermining and loss of the pier	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational value of the pier
Admiralty pier at Shotley Gate	If the sea encroaches inland or coastal erosion - undermining and loss of the pier	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the pier
Visitor centre at Harwich	In the event of encroachment of the sea, loss of visitor centre	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic and recreational values
Visitor centre at Trimley Marshes	In the event of encroachment of the sea - loss of visitor centre	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic and recreational values
Museums at Harwich	In the event of encroachment of the sea - loss of museums	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the sites for their economic value to the local community
Museum at Lawford	In the event of encroachment of the sea - loss of museum	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community
Museum at Shotley Gate	In the event of encroachment of the sea - loss of museum	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Martello tower 'M' at Shotley Gate (scheduled monument and grade II listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Mistley Towers (scheduled monument and grade I listed buildings)	In the event of coastal erosion/encroachment of the sea inland - loss of the towers	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	No	No	To maintain the historic value of the feature
Harwich ferry terminal	In the event of coastal erosion/encroachment of the sea inland loss of the ferry terminal	Yes	Economic value Amenity value	National	HA	National community National economy	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency	Yes	Yes	Maintain the economic and amenity benefits provided by the ferry service
Harwich international port	In the event of coastal erosion/encroachment of the sea inland - loss of the port	Yes	Economic value Amenity value	National	HA	National community National economy	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency	Yes	Yes	Maintain the economic and amenity benefits provided by the port
Felixstowe port	In the event of coastal erosion/encroachment of the sea inland - loss of the port	Yes	Economic value Amenity value	National	HA	National community National economy	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency	Yes	Yes	Maintain the economic and amenity benefits provided by the port
Petrochem Carless refinery, Harwich (CoMAH site)	In the event of coastal erosion/encroachment of the sea inland - loss of the site and risk of pollution hazard	Yes	Economic value	Local	HA	National	Sea level rise Coastal flooding Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value
Shotley battery (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Martello tower 'L' (scheduled monument and grade II listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Martello tower (M) (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Landguard Fort and associated field works (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Ring ditches of Reed Island (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Beacon Hill fort (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Dovercourt lighthouses and causeway (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Harwich low lighthouse (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased storm frequency and intensity			
Harwich high lighthouse (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Napoleonic coastal battery at Bathside (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Harwich treadwheel crane (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Area of middle and late Saxon town, off Star Lane, Ipswich90 (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Area of middle and late Saxon town, off Greyfriars Road, Ipswich (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature.	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Area of middle and late Saxon town between Turret Lane and Star Lane, Ipswich	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
(scheduled monument)										
Wolsey's Gate, College Street, Ipswich (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Guildhall, Harwich (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Landguard fort, Felixstowe (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Gateway to Wolsey's College of St Mary (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Willis Faber building, Ipswich (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Flatford Mill (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Millers House and cottage,	In the event of coastal erosion/encroachment	Yes	Historic value	National	H	National community and	Sea level rise Coastal flooding	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Stour Valley ((grade I listed building)	of the sea inland - loss of the feature					tourists	Coastal erosion Natural processes Increased storm frequency and intensity			
Valley farmhouse, Stour Valley (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Willy Lott's cottage, Flatford (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of St Nicholas (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Electric palace cinema (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
High house (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
High lighthouse (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Number 26 and frontage wall to south east (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Old naval yard crane (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Old Swan house (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
White House farmhouse (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of All Saints (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of St Mary at the quay (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Church of St Nicholas (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of St Peter (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Old Custom House (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Bridge Cottage (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About 210 grade II listed buildings around the Stour and Orwell Estuaries.	In the event of coastal erosion/encroachment of the sea inland - loss of the features	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the features
Wet dock (including New Cut) conservation area, Ipswich	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Stoke conservation area, Ipswich	In the event of coastal erosion/encroachment of the sea inland - loss	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion	Yes	No	To maintain the historic value of the feature

Frontage A – Felixstowe Port to Little Oakley										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	of the feature						Natural processes Increased storm frequency and intensity			
Pin Mill conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Harwich conservation Area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Dovercourt conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Trimley Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Shotley Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Cattawade Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage B – Little Oakley to Walton-on-the-Naze										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Walton-on-the-Naze	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Kirby-le-Soken	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties around Hamford Water	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
B1414	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main coastal route from Thorpe-le-Soken to Harwich	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
B1034 at Kirby-le-Soken	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting properties in Kirby-le-Soken to hinterland	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
Minor roads and tracks surrounding Hamford Water	In the event of encroachment of the sea inland - undermining or loss of the roads and tracks	Yes	Mainly responsible for connecting scattered individual properties with major roads	Local	HA	Individual residents Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the road are maintained
Saltmarsh habitat within unit	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value Amenity value	National / International	P	Broader society	Coastal squeeze Land-take for flood risk management or development Sea level rise	Yes	Yes	To ensure the extent, distribution and quality of saltmarsh habitat is maintained/ restored

Frontage B – Little Oakley to Walton-on-the-Naze										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Agricultural land	In the event of encroachment of the sea inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained
EPC Groupe UK Bramble Island (CoMAH site)	In the event of coastal erosion/encroachment of the sea inland - loss of the site and risk of pollution hazard	Yes	Economic value	Local	HA	National	Sea level rise Coastal flooding Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value
Hamford Water (Ramsar site, SPA, SSSI and NNR)	Coastal squeeze from existing or future enhancement of flood defence structures and management may lead to loss of habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
The Naze SSSI	Coastal squeeze from existing or future enhancement of flood defence structures and management. Coastal erosion of the cliffs	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition
Campsite and caravan park at Walton-on-the-Naze	If the sea encroaches inland – loss of caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised

Frontage B – Little Oakley to Walton-on-the-Naze										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Titchmarsh marina	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To ensure risk to marina from coastal processes is minimised
World War two bombing decoy Ha2 Kirby-Le-Soken (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Beaumont quay, Hamford Water,- 19th century quay and lime kiln (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Martello tower K and associated battery south west of Walton Mere (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About 18 grade II listed buildings around Hamford Water	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Horsey Island (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage B – Little Oakley to Walton-on-the-Naze										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Hamford Water former marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Lee-over-Sands	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Seawick	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Jaywick	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Holland-on-Sea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Frinton-on-Sea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Walton-on-the-Naze	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Minor road at Lee-over-Sands	In the event of encroachment of the sea inland -	Yes	Connects buildings at Lee-over-Sands to other places	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads are maintained

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	undermining or loss of the road									
Minor road at Seawick	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Connects Seawick to other places	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads are maintained
Minor roads at Jaywick and eastern Clacton-on-Sea	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Connects buildings at Lee-over-Sands to other places	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1032 at Holland-on-Sea	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Connects Holland-on-Sea to Great Holland	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Car park at Jaywick 147128	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Clacton-on-Sea 215170	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Walton-on-the-Naze	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Electricity transmission lines at Holland-on-Sea	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	Maintain electricity transmission lines
Agricultural land at St	In the event of encroachment of the	Yes	Agricultural productivity	Regional National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Osyth Marsh	sea inland - loss of agricultural land		Socio-economic value							this land are maintained
Colne Estuary Ramsar site, SPA and SSSI	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value Amenity value	International	P	Broader society	Coastal squeeze Land acquisition for flood risk management or development Sea level rise	Yes	Yes	To ensure the extent, distribution and quality of saltmarsh habitat is maintained / restored
Clacton Cliffs and Foreshore SSSI	If the sea encroaches inland or coastal erosion loss of cliff exposures.	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition
Holland-on-Sea Cliffs SSSI	If the sea encroaches inland or coastal erosion loss of cliff exposures.	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Changes in current shoreline management Sea level rise	No	No	To maintain the cliff exposures in favourable condition
Coastguard look-out station at Clacton-on-Sea	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the coastguard look-out station	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained
Coastguard look-out station at Walton-on-the-Naze	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the coastguard look-out station	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained
Inshore rescue boat station at Clacton-on-Sea	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the inshore rescue boat station	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Lifeboat station at Walton-on-the-Naze	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the lifeboat station	Yes	Amenity value	Regional	HA	Local community Regional Community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained
Caravan parks at Seawick	If the sea encroaches inland – loss of caravan park	Yes	Amenity value and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised, and to maintain its economic and amenity value
Clacton-on-Sea golf club and clubhouse	Erosion and progradation Coastal squeeze Sea level rise Increased storm frequency and intensity	Yes	Recreational value	Local	R	Regional community and local economy	Sea level rise Coastal squeeze Development Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To maintain the value of the site for recreational purposes
Frinton golf club and clubhouse	Erosion and progradation Coastal squeeze Sea level rise Increased storm frequency and intensity	Yes	Recreational value	Local	R	Regional community and local economy	Sea level rise Coastal squeeze Development Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency	Yes	Yes	To maintain the value of the site for recreational purposes

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							and intensity			
St Osyth beach	Installation of coastal defences or management of beach sediment for coastal defence purposes may harm the aesthetic and recreational value of the beaches. Changes in coastal management elsewhere may result in geomorphological changes here, reducing the recreational value of the beaches	Yes	Recreational value and economic value	Local, Regional	R	Regional community and local economy	Coastal squeeze Land take for flood risk management or development Change in coastal management here or in adjacent coastal areas, which change the sediment processes, and ultimately composition at the site of the beach	Yes	No	To maintain landscape and amenity values of the beaches
Holland Haven country park	In the event of coastal erosion/encroachment of the sea inland loss of country park	Yes	Recreational value, amenity value and conservation value	Local	E/R	Regional community and local economy	Sea level rise Coastal squeeze Development Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To maintain the recreational and amenity values of the park
Pier at Clacton-on-Sea	If the sea encroaches inland or coastal erosion - undermining and loss of the pier	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the pier
Pier at Walton-on-the-Naze	If the sea encroaches inland or coastal erosion - undermining and loss of the pier	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the pier
Aquarium at Clacton-on-	In the event of coastal erosion/encroachment	Yes	Recreational value, economic value,	Local	R/HA	Local community and	Sea level rise Coastal flooding	Yes	Yes	To maintain the recreational,

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Sea	of the sea inland - loss of the aquarium		conservation value			tourists	Coastal erosion Natural processes Increased storm frequency and intensity			economic and conservation values of the feature
Martello towers at Clacton-on-Sea (scheduled monuments and grade II listed buildings)	In the event of coastal erosion/encroachment of the sea inland - loss of the towers	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of these features
Martello tower E, 300 metres south west of junction of Marine Parade West and Wash Lane, Clacton-on-Sea (scheduled monument and grade II listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Martello tower C, St Osyth beach, Clacton-on-Sea (scheduled monument and grade II listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Martello tower D, 450 metres south west of the clubhouse, Clacton golf gores	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
(scheduled monument and grade II listed building)										
Lion Point decoy 810 metres south east of Cockett Wick farm (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About five grade II listed buildings along the Tendring Peninsula	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Frinton and Walton conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Clacton-on-Sea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Holland Haven and Holland Brook floodplain (historic grazing marshes)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage C – Walton-on-the-Naze to Colne Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
St Osyth Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at East Mersea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Colchester	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Rowhedge	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Wivenhoe	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Brightlingsea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and alteration of local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Point Clear	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and alteration of local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Minor road between Fingringhoe	In the event of encroachment of the sea inland -	Yes	Mainly responsible for connecting Fingringhoe and	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
and Rowhedge	undermining or loss of the road		Rowhedge							
B1025 at TM011204	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road from Colchester to Mersea Island	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1029 south of Thorrington	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Only road link to Brightlingsea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads are maintained
Railway line between Colchester and Wivenhoe	In the event of encroachment of the sea inland - loss of railway line	Yes	Rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Hythe and Wivenhoe railway stations	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network and a rail link to Southend-on-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits given by the station
Car park at TM067153	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Westmarsh Point	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Stone Point	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, Coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Colne Estuary, Ramsar site, SPA, SSSI and NNR	In the event of encroachment of the sea inland - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Coastal erosion Coastal flooding Natural processes	No	No	To maintain the site in favourable condition

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased accessibility Sea level rise Increased storm frequency and intensity			
Upper Colne Marshes SSSI	Diverse habitat ranges from freshwater to fully saline, so contains a large number of rare vegetation and is species rich	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Coastal erosion Coastal flooding Natural processes Increased accessibility Sea level rise Increased storm frequency and intensity Poor grazing management	No	No	To maintain the site in favourable condition
Agricultural land	In the event of encroachment of the sea inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through Coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained.
Nature reserve at Mersea Stone	In the event of encroachment of the sea inland - loss of habitat	Yes	Conservation value	Local	E	Broader society	Coastal squeeze Sea level rise Coastal erosion Coastal flooding Development Disturbance Water quality Land take for flood risk management or development Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	No	No	To maintain the conservation value of the feature
Cudmore Grove country park	In the event of coastal erosion/encroachment of the sea inland - loss of country park	Yes	Recreational value, amenity value and conservation value	Local	E/R	Regional community and local economy	Sea level rise Coastal squeeze Development Coastal erosion Coastal flooding	Yes	Yes	To maintain recreational and amenity values of the park

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity			
Campsite and caravan parks near East Mersea	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity value and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity value
Campsite and caravan park at Brightlingsea	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity value and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity value
Caravan park at Point Clear	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity value and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity value

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							inland Increased storm frequency and intensity			
Ballast quay quarry	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Economic value	National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained.
Essex Wildlife Trust's Fingringhoe Wick nature reserve	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Amenity value, economic value and conservation value	National	E/R	Broader society	Coastal squeeze Sea level rise Coastal erosion Coastal flooding Development Disturbance Water quality Land take for flood risk management or development Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	No	No	To maintain the conservation value of the feature
Museum at Stone Point	In the event of encroachment of the sea - loss of museum	Yes	Amenity value and economic value	Local	HA	Broader society	Sea level rise Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community
Martello tower and associated battery, Stone Point (scheduled monument and grade II listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature.	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Fingringhoe ranges danger area (firing range)	In the event of encroachment of the sea - loss of area for military training	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea inland Coastal flooding Changes in current shoreline management	Yes	Yes	To ensure that the ability to use this area for military training purposes is maintained

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Berechurch dyke: part of the iron age territorial Oppidum and Romano-British town of Camulodunum (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Decoy pond 500 metres south of Waldegraves Farm (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Tudor blockhouse 300 metres south of Mersea Stone (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Roman saltern 750 metres north west of Maydays Farm (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Coastal fish weir at West Mersea (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Quarters (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes	Yes	No	To maintain the historic value of the feature

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased storm frequency and intensity			
Thorrington tide mill and attached dam wall to north west (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About 81 grade II listed buildings along the Colne Estuary	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
St Osyth's Priory historic park and garden	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
St Osyth conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Brightlingsea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Wivenhoe conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Rowhedge conservation	In the event of coastal erosion/encroachment	Yes	Historic value	Regional	H	Regional community and	Sea level rise Coastal flooding	Yes	No	To maintain the historic value of the

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
area	of the sea inland - loss of the feature					tourists	Coastal erosion Natural processes Increased storm frequency and intensity			feature
Colchester, Distillery Pond conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Colchester, Hythe conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Howlands Marsh (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Brightlingsea Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
River Colne Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Langenhoe Marshes, Wick Marsh, Fingringhoe Marshes (historic	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage D – Colne Point to East Mersea										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
grazing marsh)										

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Bradwell Waterside	Coastal erosion Sea level rise Coastal squeeze	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at St Lawrence and Ramsey Island	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Stansgate Abbey Farm	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Steeple	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Mayland and Maylandsea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Latchingdon	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties south of Maldon	If the sea encroaches inland - displaced residents and loss of	Yes	Homes for people – loss of housing stock and change	Local	HA	Individual residents Local	Direct loss through coastal flooding or coastal erosion Loss of roads or services	Yes	Yes	To ensure risk to properties from coastal erosion and

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	housing stock		in local communities			community	Loss of value due to envisaged future coastal management/natural change			coastal flooding is minimised
Built properties at Maldon	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Goldhanger	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Tollesbury	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Salcott-cum-Virley	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at East Mersea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Minor roads at Bradwell Waterside	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	\mainly responsible for connecting settlement and marina with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads are maintained
Minor road at Bradwell	In the event of encroachment of the	Yes	Mainly responsible for connecting	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Ramsey Island and St Lawrence	sea inland, undermining or loss of the road		settlement with the major roads							are maintained
Minor roads at Bradwell Mayland and Maylandsea	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Mainly responsible for connecting settlement with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at Latchingdon	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting settlement with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1018 at Latchingdon	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1018 and B1010 at TL855028	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Major roads in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor roads south of Maldon	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1018 south from Maldon	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1018 east of Maldon	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road east from Maldon	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1026 near Salcott-cum-	In the event of encroachment of the	Yes	Major road in the area	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Virley	sea inland - undermining or loss of the road									are maintained
Minor roads around Salcott-cum-Virley	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Car park at St Lawrence	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Heybridge Basin	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Tollesbury	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car parks at West Mersea	In the event of coastal erosion/encroachment of the sea inland, undermining or loss of the car park.	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Electricity transmission lines at Bradwell Waterside	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	Maintain electricity transmission lines
Saltmarsh habitat	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value Amenity value	National	P	Broader society	Sea level rise Land take for development Natural processes	Yes	Yes	To ensure the extent, distribution and quality of saltmarsh habitat is maintained / restored

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Agricultural land	In the event of encroachment of the sea inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained
Blackwater Estuaries (Mid-Essex coast phase 4) Ramsar site, SPA, SSSI and NNR	In the event of encroachment of the sea inland - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Colne Estuary (Mid-Essex coast phase 2) Ramsar site, SPA, SSSI and NNR	In the event of encroachment of the sea inland - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Coastal erosion Coastal flooding Natural processes Increased accessibility Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Dengie (Mid-Essex coast phase 1) Ramsar site, SPA and SSSI	If the sea encroaches inland - loss of saltmarsh habitat	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Coastal erosion Coastal flooding Natural processes Increased accessibility Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Northey Island nature reserve	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value	Local	E	Broader society	Coastal squeeze Sea level rise Coastal erosion Coastal flooding Development Disturbance	No	No	To maintain the conservation value of the feature

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Water quality Land take for flood risk management or development Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity			
Old Hall Marshes nature reserve	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value	Local	E	Broader society	Coastal squeeze Sea level rise Coastal erosion Coastal flooding Development Disturbance Water quality Land take for flood risk management or development Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	No	No	To maintain the conservation value of the feature
Ray Island nature reserve	In the event of encroachment of the sea inland - loss of habitats	Yes	Conservation value	Local	E	Broader society	Coastal squeeze Sea level rise Coastal erosion Coastal flooding Development Disturbance Water quality Land take for flood risk management or development Natural processes Changes in current shoreline management Encroachment of the sea inland	No	No	To maintain the conservation value of the feature

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased storm frequency and intensity			
Lifeboat station at West Mersea	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the lifeboat station.	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To ensure the rescue service is maintained
Campsite and caravan park at St Lawrence	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity value and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity values
Campsite and caravan park at Maryland Creek	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity values
Campsite and caravan park at Vaulty Manor	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity values

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							inland Increased storm frequency and intensity			
Campsite and caravan parks at Mersea Island	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised and to maintain its economic and amenity values
Marina at Bradwell Waterside	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational value of the marina
Marina at Marylandsea	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Marina at Tollesbury	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Museum at Maldon	In the event of encroachment of the sea - loss of museum	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community
Bradwell nuclear power station	In the event of encroachment of the sea - loss of site and	Yes	Economic value Amenity value	Local	HA	National	Sea level rise Encroachment of the sea inland	Yes	Yes	To maintain the site for its amenity and economic values

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
(CoMAH site)	creating of a potential hazard									
Remains of St Mary the Virgin's church (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Decoy pond immediately north of Pennyhole Fleet, Old Hall marshes (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Square decoy pond 260 metres south of Pennyhole Fleet, Old Hall marshes (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Gore decoy 760 metres south east of Lauriston Farm (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Mound east of Basin Road (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Saxon shore fort and Anglo-Saxon monastery at	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes	Yes	No	To maintain the historic value of the feature

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Bradwell-on-Sea (scheduled monument)							Increased storm frequency and intensity			
Decoy pond 700 metres north east of Marsh House Farm (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Tudor blockhouse 300 metres south of Mersea Stone (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Roman saltern 750 metres north west of Maydays Farm (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
St Peters on the Wall (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature.	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of St Andrews (grade I listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of St Mary (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes	Yes	No	To maintain the historic value of the feature

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased storm frequency and intensity			
Beeleigh steam mill and bridge over tail race (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
White House farmhouse (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About 107 grade II listed buildings along the Blackwater Estuary and on Mersea Island	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Battle of Maldon, 991 (registered battlefield)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
West Mersea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Goldhanger conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Heybridge Basin	In the event of coastal erosion/encroachment	Yes	Historic value	Regional	H	Regional community and	Sea level rise Coastal flooding	Yes	No	To maintain the historic value of the

Frontage E – East Mersea to Sales Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
conservation area	of the sea inland - loss of the feature					tourists	Coastal erosion Natural processes Increased storm frequency and intensity			feature
Chelmer and Blackwater navigation – Maldon conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Mersea Island Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity			
Salcott and Abbots Hall, Copt Halll and Feldy Marshes (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity			
Old Hall and Tollesbury Wick (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	National	H	Broader society, Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity			
North bank of the Blackwater (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity			

Frontage F – Sales Point to Holliwell Point (North)										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties across the Dengie marshes	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future coastal management/natural change	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Minor roads in the Dengie and Bradwell marshes	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting scattered individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Electricity transmission lines at Bradwell marshes	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, Coastal erosion, Coastal flooding	Yes	Yes	Maintain electricity transmission lines
St Peters Way path	If the sea encroaches inland – loss of footpath	Yes	Amenity value	Regional	R	Regional community	Coastal flooding, coastal erosion	Yes	Yes	To maintain pedestrian access at this point
Dengie (Mid-Essex coast phase 1) Ramsar site, SPA, SSSI and NNR	In the event of encroachment of the sea - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Sandbeach Meadows SSSI	An area of grassland that provides feeding grounds for bird species. Also high in floral species diversity, coastal squeeze from development and coastal defences	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal flooding Changes in current shoreline management Sea level rise	No	No	To maintain the site in a favourable condition

Frontage F – Sales Point to Holliwell Point (North)										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Agricultural land	In the event of encroachment of the sea inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained.
Bradwell Cockle Spit nature reserve	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value	Local	E	Broader society	Coastal squeeze Sea level rise Coastal erosion Coastal flooding Development Disturbance Water quality Land take for flood risk management or development Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	No	No	To maintain the conservation value of the feature
Cattawade Marshes SSSI	If the sea encroaches inland or coastal erosion - loss of grazing marsh habitat	Yes	Conservation value	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the grazing marsh habitat in favourable condition
St Peter's on the Wall (grade I listed building)	Sea level rise Encroachment of the sea inland	Yes	Historic value	National	H	National community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea inland Inadequate maintenance	No	No	To maintain the historic value of the feature
Othona Roman	Sea level rise	Yes	Historic value	National	H	National	Sea level rise	No	No	To maintain the

Frontage F – Sales Point to Holliwell Point (North)										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
fort (scheduled monument)	Encroachment of the sea inland					community and tourists	Natural processes Increased storm frequency and intensity Encroachment of the sea			historic value of the feature
World War two minefield control tower 940 metres and pillbox 980 metres south east of Holliwell Farm (scheduled monument)	Sea level rise Encroachment of the sea inland	Yes	Historic value	National	H	National community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Decoy pond 700 metres north east of Marsh House Farm (scheduled monument)	Sea level rise Encroachment of the sea inland	Yes	Historic value	National	H	National community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Saxon coastal fish weir at Sales Point (scheduled monument)	Sea level rise Encroachment of the sea inland	Yes	Historic value	National	H	National community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Royal Corinthian yacht club (grade II* listed building)	Sea level rise Encroachment of the sea inland	Yes	Historic value	National	H	National community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
About 31 grade II listed buildings on the Dengie Peninsula	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic Value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Bradwell and Old Dengie Marshes	In the event of coastal erosion/encroachment of the sea inland loss of	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion	Yes	No	To maintain the historic value of the feature

Frontage F – Sales Point to Holliwell Point (North)										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
(historic grazing marsh)	the feature.						Natural processes Increased storm frequency and intensity			
New Dengie Marshes and Southminster (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Courtsend	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Churchend	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties on Wallasea Island	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Little Wakering	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Regional	HA	Individual residents Regional community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Barling	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Rochfod	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Great Stambridge	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Paglesham Churchend and Paglesham	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Eastend			communities				envisaged future			minimised
Built properties at South Fambridge	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Battlesbridge	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at South Woodham Ferrers	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at North Fambridge	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Althorne	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Burnham-on-Crouch	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Minor roads around the Roach estuary	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties and small villages with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits currently conferred by the roads are maintained
Minor roads on Wallasea Island	In the event of encroachment of the sea inland -	Yes	Mainly responsible for connecting individual	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits currently conferred by the roads

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	undermining or loss of the road		properties, campsite and caravan park with the mainland							are maintained
Minor road at Moon's Farm	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties to hinterland	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at South Fambridge	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads are maintained
Minor roads east of Hullbridge	If the sea encroaches inland - undermining or loss of the roads	Yes	Mainly responsible for connecting individual properties and small villages with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at Brandy Hole	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at Brandy Hole	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor roads at Battlesbridge	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Mainly responsible for connecting individual properties and small villages with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
A130 (dual carriageway)	In the event of encroachment of the sea inland - undermining or loss of	Yes	Major road from large settlements of Basildon and Southend-on-Sea	Local Regional	HA	Local community Regional community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	the road		to Chelmsford							
A1245	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road, but superseded by A130	Local Regional	HA	Local community Regional community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
A129	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Major road	Local Regional	HA	Local community Regional community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at Raywreth	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at North Fambridge	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting village to B1012	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1012 at TL848988	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road from South Woodham Ferrers travelling east	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
B1010 at TL857988 and TL873987	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road from South Woodham Ferrers travelling east	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Minor road at Althorne station	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Responsible for connecting marina, associated buildings and station to B1010	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	No	Ensure the transport benefits of the roads are maintained
B1010 at Burnham-on-Crouch	In the event of encroachment of the sea inland - undermining or loss of	Yes	Main road out of the settlement	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	the road									
Minor roads east of Burnham-on-Crouch	In the event of encroachment of the sea inland - undermining or loss of the roads	Yes	Mainly responsible for connecting individual properties and small villages with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Railway line to Southend-on-Sea at Rochford	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network and to Southend-on-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Railway line to Southminster at Battlesbridge, South Woodham Ferrers, Fambridge, Althorne and north of Burnham-on-Crouch	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Fambridge railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network and to Southend-on-Sea	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain station
Rochford railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain station
Althorne railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain station
Car park at Brandy Hole	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Burnham-on-	In the event of coastal erosion/encroachment	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal	Yes	Yes	To maintain car parking at this site

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Crouch	of the sea inland - undermining or loss of the car park						flooding			
Electricity transmission lines at Rochford	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	Maintain electricity transmission lines
Electricity transmission lines at TQ862949	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	Maintain electricity transmission lines
Electricity transmission lines at TQ848989	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the electricity transmission lines	Yes	Amenity value	Local	HA	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	Maintain electricity transmission lines
Inshore rescue boat station at Burnham-on-Crouch	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the inshore rescue boat station.	Yes	Amenity value	Regional	HA	Local community Regional community	Encroachment of the sea, coastal flooding, coastal erosion	Yes	Yes	To insure the rescue service is maintained
Agricultural land	If the sea encroaches inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained.
Crouch and Roach Estuaries Ramsar site, SPA and SSSI	In the event of encroachment of the sea - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management	No	No	To maintain the site in favourable condition

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Sea level rise Increased storm frequency and intensity			
Foulness (Mid-Essex coast phase 5) Ramsar site, SPA and SSSI	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value Amenity value Flood defence value	International National	E	Broader society	Coastal squeeze Natural processes Sea level rise	No	No	To maintain the site in favourable condition
Dengie (Mid-Essex coast phase 1) Ramsar site, SPA, SSSI and NNR	In the event of encroachment of the sea - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	International	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
The Cliff, Burnham-On-Crouch SSSI	Fossil records of the Eocene period providing considerable value to the species of the Eocene	Yes	Stringent means of maintaining conservation value of the site.	National	E	Broader society	Disturbance Natural processes Coastal flooding Natural processes Sea level rise	No	No	To maintain the site in favourable condition
Campsite and caravan park at Wallasea Island	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised
Campsite and caravan park at Burnham-on-Crouch	If the sea encroaches inland – loss of campsite and caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland Increased storm frequency and intensity			minimised
Marina on Wallasea Island	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Marina at North Fambridge	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Marina at Althorne	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Marina at Burnham-on-Crouch	If the sea encroaches inland – loss of marina	Yes	Local economy/ local community	Local	C/R	Local economy and regional community	Coastal squeeze Sea level rise Coastal erosion Natural processes Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values of the marina
Museum at Burnham-on-Crouch	In the event of encroachment of the sea - loss of museum	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community
Sports centre at Burnham-on-Crouch	In the event of encroachment of the sea - loss of feature	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community
Danger area (firing range) at	In the event of encroachment of the	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea	Yes	No	To ensure that the ability to use this area

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Foulness Island	sea - loss of area for military training						inland Coastal flooding Changes in current shoreline management			for military training purposes is maintained
Danger area (firing range) at Potton Island	In the event of encroachment of the sea - loss of area for military training	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea inland Coastal flooding Changes in current shoreline management	Yes	No	To ensure that the ability to use this area for military training purposes is maintained
Medieval saltern adjacent to Hawbush Creek (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Church of St Peter (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Little Wakering Hall (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Manor House (grade II* listed building)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About 49 grade II listed buildings along the Roach and Crouch	Sea level rise Encroachment of the sea inland	Yes	Historic value	National	H	National community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
estuaries										
Burnham-on-Crouch conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Battlesbridge conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Churchend Foulness conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Great Wakering conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Paglesham Churchend conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Paglesham Eastend conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
Rochford conservation area	Sea level rise Encroachment of the sea inland	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Natural processes Increased storm frequency and intensity Encroachment of the sea	No	No	To maintain the historic value of the feature
North Fambridge and Stow Maries (historic	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	National	H	Broader society, Regional community and	Sea level rise Coastal flooding Coastal erosion Natural processes	Yes	No	To maintain the historic value of the feature

Frontage G: Holliwell Point (North) to Courtsend/Foulness Point										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
grazing marsh)						tourists	Increased storm frequency and intensity			
South Woodham Ferrers (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Local	H	Local community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Estuary marshes of the Roach and Crouch (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage H: Courtsend / Foulness Point to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Great Wakering	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Regional	HA	Individual residents Regional community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Courtsend	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Churchend	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Local	HA	Individual residents Local community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Minor roads around east of North Shoebury	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Mainly responsible for connecting individual properties with the major roads	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Car park at Shoeburyness	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
The Broomway byeway	Coastal erosion, encroachment of the sea leading to failure of the path	Yes	Amenity value	Regional	R	Regional community	Coastal flooding, coastal erosion	Yes	No	Maintain continuous coastal footpath access
Campsite and caravan park at Shoeburyness	If the sea encroaches inland – loss of caravan park	Yes	Amenity and economic value	Local	R	Local economy and tourists	Coastal squeeze Sea level rise Coastal erosion Natural processes Inadequate maintenance Coastal flooding Development Disturbance Encroachment of the sea inland	Yes	Yes	To ensure risk to caravan site from coastal erosion and coastal flooding is minimised

Frontage H: Courtsend / Foulness Point to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Increased storm frequency and intensity			
Saltmarsh habitat	In the event of encroachment of the sea inland - loss of saltmarsh habitat	Yes	Conservation value Amenity value Flood defence value	Local	P	Broader society	Coastal squeeze Natural processes Sea level rise	Yes	Yes	To ensure the extent, distribution and quality of saltmarsh habitat is maintained / restored
Agricultural land	In the event of encroachment of the sea inland - loss of agricultural land	Yes	Agricultural productivity Socio-economic value	Regional National	C	Broader society	Direct loss through coastal flooding or coastal erosion	No	No	To ensure the food production benefits of this land are maintained.
Foulness Ramsar site, SPA and SSSI	In the event of encroachment of the sea - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site.	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Benfleet and Southend Marshes Ramsar site, SPA and SSSI	In the event of encroachment of the sea inland - loss of saltmarsh habitat, mudflats, grazing areas	Yes	Conservation value Amenity value Flood defence value	International National	E	Broader society	Coastal squeeze Natural processes Sea level rise	No	No	To maintain the site in favourable condition
Danger area (firing range) at Foulness Island	In the event of encroachment of the sea - loss of area for military training	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea inland Coastal flooding Changes in current shoreline management	Yes	No	To ensure that the ability to use this area for military training purposes is maintained
Danger area (firing range) at Havengore Island	In the event of encroachment of the sea - loss of area for military training	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea inland Coastal flooding Changes in current shoreline	Yes	No	To ensure that the ability to use this area for military training purposes is maintained

Frontage H: Courtsend / Foulness Point to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							management			
Danger area (firing range) at Maplin Sands	In the event of encroachment of the sea - loss of area for military training	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea inland Coastal flooding Changes in current shoreline management	Yes	No	To ensure that the ability to use this area for military training purposes is maintained
Romano-British burial site on Foulness Island (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
About 37 grade II listed buildings on Foulness Island and around Great Wakering / Shoeburyness	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Foulness Island (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Potton, Havengore, New England and Rushley Islands (historic grazing marsh)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic Value Amenity Value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage I: Canvey Island to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Built properties at Shoeburyness	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Regional	HA	Individual residents Regional community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Southchurch	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Regional	HA	Individual residents Regional community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	No	To ensure risk to properties from coastal erosion and coastal flooding is minimised
Built properties at Southend-on-Sea	If the sea encroaches inland - displaced residents and loss of housing stock	Yes	Homes for people – loss of housing stock and change in local communities	Regional	HA	Individual residents Regional community	Direct loss through coastal flooding or coastal erosion Loss of roads or services Loss of value due to envisaged future	Yes	Yes	To ensure risk to properties from coastal erosion and coastal flooding is minimised
B1016 at Shoeburyness	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road along sea front	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
A13 at Bournes Green	In the event of encroachment of the sea inland - undermining or loss of the road	Yes	Main road to Shoeburyness	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the roads are maintained
Railway line east of Southchurch	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Railway line along sea front at Southend-on-Sea	In the event of encroachment of the sea inland - loss of railway line	Yes	Only rail link to the wider rail network	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Ensure the transport benefits of the rail line are maintained
Leigh-on-Sea railway station	If the sea encroaches inland - loss of station facilities	Yes	Only rail link to the wider rail network and to Southend-	Local	HA	Local community	Coastal flooding, coastal erosion	Yes	Yes	Maintain benefits of the station

Frontage I: Canvey Island to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
			on-Sea							
Car park at Shoeburyness	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Car park at Hadleigh Marsh	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the car park	Yes	Amenity value	Local	R	Local community	Encroachment of the sea, coastal erosion, coastal flooding	Yes	Yes	To maintain car parking at this site
Benfleet and Southend Marshes SPA and SSSI	In the event of encroachment of the sea - loss of protected habitats	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	No	To maintain the site in favourable condition
Pitsea Marsh SSSI	Mosaic of habitats where coastal erosion/encroachment of the sea inland would lead to a loss of habitat	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Development Disturbance Natural processes Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Sea level rise Increased storm frequency and intensity	No	NO	To maintain the site in favourable condition
Vange and Fobbing Marshes SSSI	Coastal grassland threatened by sea level rise	Yes	Contains rare species of plant	Local	E	Local Community	Coastal squeeze Development Coastal erosion Coastal flooding Natural processes Changes in current shoreline management	Yes	Yes	To maintain the value of the site for recreational and conservation purposes

Frontage I: Canvey Island to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
							Encroachment of the sea			
Holehaven Creek SSSI	Principal drainage creek linked to the Thames Estuary. Contains intertidal and saltmarsh habitats	Yes	Supports rare and nationally important species of birds	National	E	Broader society	Coastal squeeze Development Coastal erosion Coastal flooding Coastal defence Natural processes Changes in current shoreline management Encroachment of the sea	No	No	To maintain the site in favourable condition
Canvey Wick SSSI	Contains Red Data Book species	Yes	Stringent means of maintaining conservation value of the site	National	E	Broader society	Coastal squeeze Development Coastal erosion Coastal flooding Coastal defence Natural processes Changes in current shoreline management Encroachment of the sea	No	No	To maintain the site in favourable condition
Inshore rescue boat stations at Southend-on-Sea	In the event of coastal erosion/encroachment of the sea inland - undermining or loss of the inshore rescue boat station	Yes	Amenity value	Regional	HA	Local community Regional Community	Encroachment of the sea, Coastal flooding, coastal erosion	Yes	Yes	To insure the rescue service is maintained
Thorpe Hall golf club and clubhouse	Erosion and progradation Coastal squeeze Sea level rise Increased storm frequency and intensity	Yes	Recreational value	Local	R	Regional community and local economy	Sea level rise Coastal squeeze Development Coastal erosion Coastal flooding Natural processes Changes in current shoreline management Encroachment of the sea inland Increased storm frequency and intensity	Yes	Yes	To maintain the value of the site for recreational purposes
Aquarium at Southend-on-Sea	In the event of coastal erosion/encroachment of the sea inland - loss	Yes	Recreational value, economic value, conservation value	Local	R/HA	Local community and tourists	Sea level rise Coastal flooding Coastal erosion	Yes	Yes	To maintain the recreational, economic and conservation

Frontage I: Canvey Island to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
	of the aquarium						Natural processes Increased storm frequency and intensity			value of the feature
Museum at Southend-on-Sea	In the event of encroachment of the sea - loss of museum	Yes	Amenity value and economic value	Local	HA	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the site for its economic value to the local community
Southend pier	If the sea encroaches inland or coastal erosion - undermining and loss of the pier	Yes	Recreational value and economic value	Local	R	Local economy and tourists	Sea level rise Coastal erosion Encroachment of the sea inland	Yes	Yes	To maintain the economic and recreational values given by the pier
Danger area (firing range) at Shoeburyness	In the event of encroachment of the sea - loss of area for military training	Yes	Strategic military importance	National International	HA	Broader society	Sea level rise Encroachment of the sea inland Coastal flooding Changes in current shoreline management	Yes	Yes	To ensure that the ability to use this area for military training purposes is maintained
World War two gun emplacement	Damaged under periods of inundation	Yes	Historical importance	National	H	Local community	Coastal flooding Sea level rise Sea defence realignment	No	No	To maintain the site for its economic value to the local community
The Waterside Farm sports centre and Great Russel Head Farm	If the sea encroaches inland will become inundated and present health issues for school pupils	Yes	Recreational and economic value	Local	R, HA	Local community	Coastal flooding Sea level rise Sea defence realignment	Yes	Yes	To maintain the economic and recreational values
B1014 road	Will be at risk of flooding - primary exit route	Yes	Main exit route from ?	Local	HA	Local community	Coastal flooding Sea level rise Sea defence realignment	Yes	Yes	Ensure the transport benefits of the roads are maintained
Defended prehistoric settlement at Shoeburyness (scheduled monument)	In the event of coastal erosion/encroachment of the sea inland loss of the feature.	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage I: Canvey Island to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
About 13 grade II listed buildings in Southend-on-Sea	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	National	H	National community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Shoebury garrison, Shoeburyness conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Eastern Esplanade, Southend-on-Sea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Kursaal, Southend-on-Sea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
The Leas, Southend-on-Sea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature
Crowstone, Southend-on-Sea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature

Frontage I: Canvey Island to North Shoebury										
Feature	**Issues associated with feature**	**Affect policy?**	**Benefits / why is issue important?**	**Scale**	**Issue type / theme**	**Who are the beneficiaries?**	**What could affect its value / sustainability? (threats)**	**Is there enough of this benefit?**	**Potential for substitution**	**Objectives**
Leigh Old Town, Leigh-on-Sea conservation area	In the event of coastal erosion/encroachment of the sea inland - loss of the feature	Yes	Historic value	Regional	H	Regional community and tourists	Sea level rise Coastal flooding Coastal erosion Natural processes Increased storm frequency and intensity	Yes	No	To maintain the historic value of the feature