

Appendix B – Scoping Receptors

Table 1 Environmental Baseline for SEA Receptors

Sub-topic	Receptors scoped in	Data sources used
Population, health and local economy		
Population and health	<ul style="list-style-type: none"> Population and properties located within 200m of the coastline and thus identified as being at risk of coastal flooding and erosion over the next 100 years. This includes individual rural properties and permanent settlements/communities. <p><i>(Holiday properties and caravan parks are included in 'Tourism and recreation')</i></p>	<ul style="list-style-type: none"> Web based mapping and sources Local knowledge from Local Councils and Stakeholders
Social deprivation	<ul style="list-style-type: none"> Properties or settlements/communities which have limited access infrastructure, which is at risk of flooding or erosion. Any area which would have its quality of life significantly impacted by flooding or erosion. 	<ul style="list-style-type: none"> Local knowledge from Local Councils and Stakeholders

Sub-topic	Receptors scoped in	Data sources used
Tourism and recreation	<ul style="list-style-type: none"> • Regionally important tourist facilities and attractions (e.g. beach, key tourist resorts, visitor attractions) and their associated access routes along the coastal frontage and within the tidal floodplain at risk from flooding or erosion and which could be impacted by changes to risk management. • Regionally and locally important recreational and amenity resources (e.g. footpaths (including the England Coast Path), promenade access, cycle routes, public/open spaces, recreation/sports grounds (e.g. golf courses), informal pursuits (e.g. bird watching, angling), including amenities related to the Lake District National Park and Hadrian’s Wall World Heritage Site along the coastal frontage and within the tidal floodplain at risk from flooding or flood risk management actions. • Consideration of opportunities to improve attractions/resources and their accessibility. 	<ul style="list-style-type: none"> • Web based mapping • Local knowledge from Local Councils and Stakeholders
Economic activity	<ul style="list-style-type: none"> • Existing industry, commercial and economic activities at risk from flooding or erosion and which could be impacted by risk management actions, resulting in impacts on employment and the local economy. Key sectors include: <ul style="list-style-type: none"> ○ Agriculture – active grazing and crop-yielding land within the tidal floodplain ○ Significant seaside tourist attractions – tourist attractions with a significant contribution to local economy (accommodation, holiday parks, visitor attractions). ○ Commercial fishing - fisheries and shellfisheries in the adjacent waters and within the estuaries, including beach-launched boats, and ports and harbours. 	<ul style="list-style-type: none"> • Web based mapping • Local knowledge from Local Councils and Stakeholders

Sub-topic	Receptors scoped in	Data sources used
	<ul style="list-style-type: none"> ○ Energy production – onshore and offshore windfarms and their cables and supporting infrastructure. Power generating facilities within the tidal floodplain. ○ Other significant commercial and industrial activities – industrial and commercial complexes within 200m of the coastline. ● Consideration of potential opportunities to encourage additional investment and diversify the economy, overcoming seasonal limitations. 	
Material assets		
Transport infrastructure	<ul style="list-style-type: none"> ● All transport routes (road, rail, and water) within the strategy area at risk from flooding or erosion and which could be impacted by changes to risk management actions. 	<ul style="list-style-type: none"> ● OS maps
Critical infrastructure and commercial/ industrial services	<ul style="list-style-type: none"> ● Critical infrastructure and services (electric, gas and water infrastructure/facilities) and power cable landings/connections maintenance access related to offshore facilities within the strategy area at risk from flooding or erosion and could be impacted changes to risk management actions. 	<ul style="list-style-type: none"> ● OS maps ● Web based sources
Biodiversity, flora and fauna		
Nature Conservation Sites	<ul style="list-style-type: none"> ● Proposed or formally designated European sites (SACs, SPAs), Ramsar sites, MCZs, SSSIs and NNRs within the priority area, including those 200m offshore and 200m inland within the coastal floodplain, at risk from flooding or erosion and could be impacted by changes to risk management actions. ● Consideration of potential opportunities for actions to contribute to maintain/achieving favourable conservation or condition status. 	<ul style="list-style-type: none"> ● MAGIC website: www.magic.gov.uk ● For each European site, information from https://www.gov.uk/government/publications/: <ul style="list-style-type: none"> – Site information – Site maps – Background information and geography – Conservation objectives – Supplementary advice on conserving and restoring the site features

Sub-topic	Receptors scoped in	Data sources used
		<ul style="list-style-type: none"> – Advice on operations • Key information regarding SSSIs from: https://www.gov.uk/guidance/protected-areas-sites-of-special-scientific-interest • Key information regarding NNRs from: https://www.gov.uk/government/collections/national-nature-reserves-in-england • Key information regarding MCZs from: https://www.gov.uk/government/collections/marine-conservation-zone-designations-in-england •
Nationally and Regionally Important Habitats	<ul style="list-style-type: none"> • Areas of land described as a priority habitat as listed in the 'UK Post-2010 Biodiversity Framework' (July 2012) located both 200m offshore and 200m onshore within the area at risk of tidal flooding or erosion and could be impacted by changes to risk management actions 	<ul style="list-style-type: none"> • MAGIC website: www.magic.gov.uk
<ul style="list-style-type: none"> • Soils, geology and geomorphology/sediment 		
Designated earth heritage sites	<ul style="list-style-type: none"> • Designated earth heritage sites (geological SSSIs) within the strategy area at risk from flooding or erosion and could be impacted by changes to risk management actions. 	<ul style="list-style-type: none"> • Key information regarding SSSIs from: https://www.gov.uk/guidance/protected-areas-sites-of-special-scientific-interest
Geomorphology and sediment	<ul style="list-style-type: none"> • Geomorphology and the sediment system within the area which could be affected by change to risk management actions. 	<ul style="list-style-type: none"> • Halcrow/CH2M Hill (2013) Shoreline behaviour and response to inform strategy option appraisal. Technical note for the Environment Agency. Incorporates an overview of the contemporary processes and controls that affect this coastline and behaviours, based on previous studies of the area (not listed individually here) • Van Oord (2009) Sediment dispersion study. Technical note for the Environment Agency.

Sub-topic	Receptors scoped in	Data sources used
Contaminated land	<ul style="list-style-type: none"> Areas of known contaminated land or licensed landfill sites within the strategy area at risk from flooding or erosion and could be impacted by changes to risk management actions 	<ul style="list-style-type: none"> Licensed landfills – Environment Agency: http://apps.environment-agency.gov.uk/wiyby/37823.aspx
Land use and management		
Land use	<ul style="list-style-type: none"> Principal land uses within the strategy area at risk from flooding or erosion and could be impacted by changes to risk management actions. <p><i>Properties and caravan parks are considered under the 'Population, health and local economy' receptor heading.</i></p>	<ul style="list-style-type: none"> Natural England regional agricultural Land Classification maps: http://publications.naturalengland.org.uk/category/5954148537204736 OS maps
Water and hydromorphology		
Surface water and groundwater quality	<ul style="list-style-type: none"> WFD waterbodies including coastal, transitional, river, and groundwater (and associated protected areas) within the strategy area which could potentially be affected by change to risk management actions by impact on compliance with objectives to maintain/achieve good ecological status/potential. 	<ul style="list-style-type: none"> WFD data: http://environment.data.gov.uk/catchment-planning/ Protected Areas: data from Environment Agency/Natural England covering, where applicable: <ul style="list-style-type: none"> Bathing Waters Directive Shellfish Directive Habitats Directive Conservation of Wild Birds Directive Drinking Water Directive
Air Quality and Climate Change		
Climatic Factors	<ul style="list-style-type: none"> Flood and coastal erosion risk to the area over the next 100 year period 	<ul style="list-style-type: none"> Informed by Risks and Opportunities Report 2017 Environment Agency Flood Risk Maps: https://flood-map-for-planning.service.gov.uk/
Air Quality	<ul style="list-style-type: none"> Local AQMAs 	<ul style="list-style-type: none"> Location of AQMAs: https://uk-air.defra.gov.uk/aqma/maps
Historic environment		
Designated heritage assets	Nationally or locally significant designated heritage assets and their settings (i.e. scheduled monuments, registered parks and gardens, protected wreck sites, listed buildings, conservation areas, and World	<ul style="list-style-type: none"> Designated sites – MAGIC website: www.magic.gov.uk

Sub-topic	Receptors scoped in	Data sources used
	Heritage Sites) within the strategy area at risk from flooding or erosion and could be impacted by changes to risk management actions.	
Landscape and visual amenity		
Designated Landscape	Nationally designated areas of landscape, such as Areas of Outstanding Natural Beauty and National Parks located along the coastline	<ul style="list-style-type: none"> • MAGIC website: www.magic.gov.uk
Landscape Character	National character areas located within the study areas	<ul style="list-style-type: none"> • MAGIC website: www.magic.gov.uk • Information National Character Areas: http://publications.naturalengland.org.uk/category/587130