

Shoreline Strategy

Flood & Erosion Risk Improvements

Southend-on-Sea Borough Council



Flood & Erosion Risk Management Shoreline Strategy

Southend on Sea Borough Council is consulting on potential recommendations to manage flood and coastal erosion risks for the Southend-on-Sea frontage.

Several options have been developed. Details of these options can be found www.bettersouthend.com. This questionnaire seeks your views on these options and your preferences for what should happen to protect the foreshore.

Public drop in consultation events are planned for **9th September, 11th September and 12th September**, see website for further details.

For paper copies of the options and this questionnaire and details of consultation events please email bettersouthend@southend.gov.uk or call us on 01702 215408 quoting Shoreline Strategy consultation.



This section considers the options shortlisted.

Please make sure you have looked at the document ‘**FLOOD & EROSION RISK MANAGEMENT SHORELINE STRATEGY - NON TECHNICAL SUMMARY**’ before answering the following questions.

If you have not seen this document you can download it from or request a hard copy from www.bettersouthend.com bettersouthend@southend.gov.uk or by calling 01702 215408

1: Have you read the document Flood & Erosion Risk Management - Non Technical Summary?

Please tick one option only

Yes

No

If you answered “No” to question 1 then You have finished the questionnaire

2: Of the Key Areas considered in the consultation document which is of greatest interest to you?

Benefit Area A - Two Tree Island: An environmentally designated area which was historically a landfill site and is now a popular recreational area

Benefit Area B - Old Leigh Port: Covering Old Leigh which is a working port area for local anglers and fisherman.

Benefit Area C - Cinder Path to Three Shells Beach: A variety of residential areas and beach front businesses predominantly backed by high cliffs.

Benefit Area D - Southend-on-Sea Pier to Old Ranges: Major infrastructure as well as residential properties and beach front businesses populate this area of low-lying land.

Benefit Area E - East Beach: Area with sand dunes on the frontage which protect former Ministry of Defence land and potential development areas.

None of the above

2.1: Please Specify

3: Please tell us the reasons for your answer to question 2. *Please tick all that apply.*

- I think that it is important to maximise protection of the environment.
- I think it is important to maximise protection to residents and business
- I think that it is important to balance protection to the environment and to residents and business
- I think that it is important to maintain public access to the beach and foreshore
- I don't know
- Other

3.1 Please state

Shortlisted Options

Benefit Area A: Two Tree Island

Existing defences include earth embankments and grouted revetments. Two Tree Island is an historic landfill site and initial leaching is likely to have already occurred from erosion. Contaminants are currently stored mostly in the sediments. Effective management of contaminants is a core aim for the site.

The island is a popular recreational area. It is currently affected negatively by coastal erosion and flooding. Erosion is a greater issue than flooding in this benefit area due to the risk of contaminants. The area is also important for navigation and provides access for fishing and recreational craft.

Short Listed Option	Action
Hold the Line Maintain	The complexities of managing contaminants at Two Tree Island mean that consideration is being given in the short term to maintaining the existing defences. Ensuring contaminants are contained is essential for the area. Longer term planning is being undertaken with key partners to ensure this risk is effectively managed over the next 100 years.

4: Do you agree with the above shortlisted option for Benefit Area A: Two Tree Island.

Agree

Disagree

Dont' know

Benefit Area B: Old Leigh Port

Existing defences in this area include concrete sea walls and steel sheet piles. This section is a working port area for local anglers and fishermen, and is thus integral to the social fabric of the community here. Any options will need to be in keeping with the operations of the port.

Leigh Old Town is a Conservation Area that includes many cultural heritage sites. There are also a number of international designations on the intertidal areas. Key infrastructure that is at risk includes coastal erosion risk to the railway, which passes just behind the defences.

Short Listed Option	Action
Hold the Line Maintain	Maintaining defences at their current level would result in no higher physical barriers being constructed between the land and sea. However, the standard of protection would decrease over time as a result of rising sea levels, increasing the likelihood of flooding.
Hold the Line Sustain	Sustaining the current standard of protection will result in higher defences to offset the threat of rising sea levels. As a minimum this would see an increased defence height of 0.8m to counteract predicted sea level rise.
Hold the line Upgrade	Upgrading defences will require current levels to be raised by more than 0.8m to offer an improved standard of protection against coastal flooding. This may impact on views of the estuary.
Adaption Measures	Adaptation measures will be considered alongside the Hold the Line options to manage flood risk to individual properties. By adapting to the risk of coastal flooding, it ensures less impact to homes and communities if a flood event were to occur.

5. Which is your preferred approach for Benefit Area B: Old Leigh Port

Hold the Line Maintain	Agree	Disagree	Dont' know
Hold the Line Sustain	Agree	Disagree	Dont' know
Hold the Line Upgrade	Agree	Disagree	Dont' know
Adaptation Measures	Agree	Disagree	Dont' know
Do Nothing	Agree	Disagree	Dont' know

Benefit Area C: Cinder Path to Three Shells Beach

Existing defences in this area consist of bitumen covered revetment, blockwork seawall, timber groynes and grouted revetment. This section is a mixture of residential areas and beach front businesses, backed by high cliffs which in the future could be at risk from erosion if no defences were in place.

A key issue is the impact of coastal flooding and erosion upon key transport routes, as it impacts both the highway and railway, which pass just behind the defences. Any option will look at the opportunity for creating a connected coastal cycleway between Leigh-on-Sea and Southend-on-Sea.

Short Listed Option	Action
Hold the Line Maintain	Maintaining defences at their current level would result in no higher physical barriers being constructed between the land and sea. However, the standard of protection would decrease over time as a result of rising sea levels, increasing the likelihood of flooding.
Hold the Line Sustain	Sustaining the current standard of protection will result in higher defences to offset the threat of rising sea levels. As a minimum this would see an increased defence height of 0.8m to counteract predicted sea level rise.
Hold the line Upgrade	Upgrading defences will require current levels to be raised by more than 0.8m to offer an improved standard of protection against coastal flooding. This may impact on views of the estuary.
Adaption Measures	Adaptation measures will be considered alongside the Hold the Line options to manage flood risk to individual properties. By adapting to the risk of coastal flooding, it ensures less impact to homes and communities if a flood event were to occur.

6. Which is your preferred approach for Benefit Area C: Cinder Path to Three Shells Beach

Hold the Line Maintain	Agree	Disagree	Dont' know
Hold the Line Sustain	Agree	Disagree	Dont' know
Hold the Line Upgrade	Agree	Disagree	Dont' know
Adaptation Measures	Agree	Disagree	Dont' know
Do Nothing	Agree	Disagree	Dont' know

Benefit Area D: Southend-on-Sea Pier to Old Ranges

Existing defences include concrete seawalls, revetments, timber groynes and blockwork revetments. The majority of this Benefit Area is a combination of beach front businesses and residential properties on low lying land. To the east at Shoeburyness the area is former Ministry of Defence land that is proposed for development. This is a large flood risk area.

The main infrastructure at risk from both erosion and flooding within this Benefit Area is the coastal road.

Short Listed Option	Action
Hold the Line Maintain	Maintaining defences at their current level would result in no higher physical barriers being constructed between the land and sea. However, the standard of protection would decrease over time as a result of rising sea levels, increasing the likelihood of flooding.
Hold the Line Sustain	Sustaining the current standard of protection will result in higher defences to offset the threat of rising sea levels. As a minimum this would see an increased defence height of 0.8m to counteract predicted sea level rise.
Hold the line Upgrade	Upgrading defences will require current levels to be raised by more than 0.8m to offer an improved standard of protection against coastal flooding. This may impact on views of the estuary.
Adaption Measures	Adaptation measures will be considered alongside the Hold the Line options to manage flood risk to individual properties. By adapting to the risk of coastal flooding, it ensures less impact to homes and communities if a flood event were to occur.

7. Which is your preferred approach for Benefit Area D: Southend-on-Sea Pier to Old Ranges

Hold the Line Maintain	Agree	Disagree	Dont' know
Hold the Line Sustain	Agree	Disagree	Dont' know
Hold the Line Upgrade	Agree	Disagree	Dont' know
Adaptation Measures	Agree	Disagree	Dont' know
Do Nothing	Agree	Disagree	Dont' know

Benefit Area E: East Beach

Existing defences include seawalls, gabion baskets, rock revetment, sand dunes and timber groynes. This benefit area is mainly former Ministry of Defence land that is proposed for development and has a high amenity value. Consideration needs to be given to the flood risk from north of the study area, outside the remit of the Shoreline Strategy.

The sand dunes along this section mean that the characteristics are slightly different to the other sections of the frontage, and the environmental impacts must be carefully considered. The dunes provide a natural erosion barrier to the shoreline which, with careful management, provide effective defence.

Short Listed Option	Action
Hold the Line Maintain	Maintaining defences at their current level would result in no higher physical barriers being constructed between the land and sea. However, the standard of protection would decrease over time as a result of rising sea levels, increasing the likelihood of flooding.
Hold the Line Sustain	Sustaining the current standard of protection will result in higher defences to offset the threat of rising sea levels. As a minimum this would see an increased defence height of 0.8m to counteract predicted sea level rise.
Hold the line Upgrade	Upgrading defences will require current levels to be raised by more than 0.8m to offer an improved standard of protection against coastal flooding. This may impact on views of the estuary.
Adaption Measures	Adaptation measures will be considered alongside the Hold the Line options to manage flood risk to individual properties. By adapting to the risk of coastal flooding, it ensures less impact to homes and communities if a flood event were to occur.

8. Which is your preferred approach for Benefit Area E: East Beach

Hold the Line Maintain	Agree	Disagree	Dont' know
Hold the Line Sustain	Agree	Disagree	Dont' know
Hold the Line Upgrade	Agree	Disagree	Dont' know
Adaptation Measures	Agree	Disagree	Dont' know
Do Nothing	Agree	Disagree	Dont' know

This section is about how you see and use the Seafront/ Foreshore

9: How often do you visit the Beach or Seafront?

Please tick one option only

Daily

Weekly

Monthly

Yearly

10: Please tell us the reasons for your answer to question 9.

11: What are the main issues relating to the way in which the coastline is managed and which you want to see being dealt with in the plan?

12: Do you have any views on the way in which the existing coastal defences have had an impact on the way in which the coastline has developed?

13: Do you have any views on changes that should be made to the existing coastal defences? What effect do you think this would have?

Anything else?

In this section you can tell us anything else about the options presented in the consultation document. Please limit your responses to the options in the '**FLOOD & EROSION RISK MANAGEMENT SHORELINE STRATEGY - NON TECHNICAL SUMMARY**' document. To tell us about other issues or projects please email BetterSouthend@southend.gov.uk

14: Is there anything else you would like to tell us about the options presented in the consultation document?

Please tick one option only

Yes

No

14.1 Please tell us

About you

Thank you for sharing your thoughts about the Shoreline Strategy Consultation. Finally, it would be really helpful to find out a bit more about you.

15: What is your gender?

Please tick one option only

Male Female I describe myself in another way Prefer not to say

16: Please state your ethnicity

Please tick one option only

White British or Irish	<input type="checkbox"/>	White Eastern European	<input type="checkbox"/>
White Other	<input type="checkbox"/>	Black British	<input type="checkbox"/>
Black Caribbean	<input type="checkbox"/>	Black African	<input type="checkbox"/>
Mixed White & Caribbean	<input type="checkbox"/>	Mixed White & African	<input type="checkbox"/>
Mixed White & Asian	<input type="checkbox"/>	British Asian	<input type="checkbox"/>
Indian	<input type="checkbox"/>	Bangladeshi	<input type="checkbox"/>
Pakistani	<input type="checkbox"/>	Other Asian	<input type="checkbox"/>
Chinese	<input type="checkbox"/>	Other	<input type="checkbox"/>
Would rather not answer	<input type="checkbox"/>		

17: Do you consider yourself as a person who has a disability of any kind?

Please tick one option only

No

Yes, affecting hearing Yes, a learning disability Yes, another form of disability

Yes, affecting mobility Yes, affecting vision Yes, mental ill-health

18: Are you responsible for caring for someone? i.e. a dependant adult or relative, disabled child or friend or neighbour, who is frail, has a long term illness or disability?

Please tick one option only

Yes No

19. Are you a

Resident

Business owner

Regular visitor to the town

20. Whereabouts do you live? Please tell us your postcode

21: If you would like us to provide further feedback on this consultation please provide your contact details.?

Name

Organisation

Address

Email



Thank you for your feedback.

The results of this survey will be available from betersouthend@southend.gov.uk or by request by calling 01702 215408



Data Protection Act 1998

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