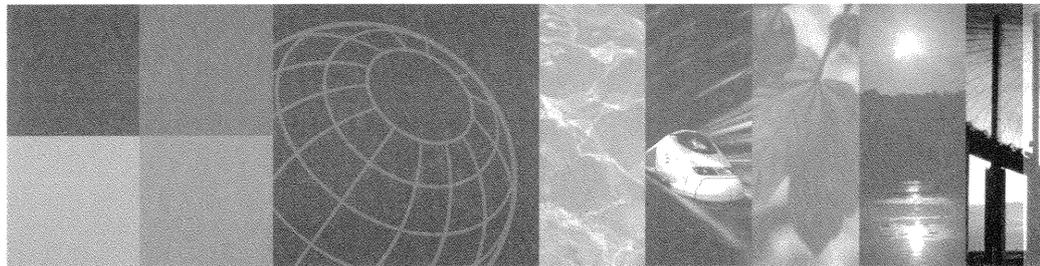


**Scarborough Borough Council**  
Filey Bay Coastal Defence Strategy Study  
Consultation Summary  
May 2002



**Halcrow Group Limited**

**Halcrow**

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# Scarborough Borough Council

Filey Bay Coastal Defence Strategy Study

Consultation Summary

May 2002

## Contents Amendment Record

This report has been issued and amended as follows:

Issue	Revision	Description	Date	Signed
1	Draft	Draft Consultation Summary	28.05.02	ECD/ PWJB

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# 1 Introduction

## 1.1 *Background & Scope of Study*

Halcrow were commissioned by Scarborough Borough Council to assist in producing a coastal defence strategy study for Filey Bay.

The study covers Coastal Process units 27 to 31 as defined in the Huntcliffe to Flamborough Head Shoreline Management Plan (SMP). The strategy follows on from the SMP, considering the management units within Filey Bay in more detail, reviewing recommended management policies and identifying appropriate options for implementation.

The project has been reported as three volumes. A Strategy Report document completed in September represents the main volume though a separate volume of supporting appendices contains much of the detailed work undertaken. Appendix D, the Strategic Environmental Assessment, includes the results of all consultations that had taken place up to that time. A separate Executive Summary presents the key findings of the strategy study together with an action plan for implementation.

This Consultation Summary brings together the results of all the consultations (pre and post September 2001) as a means of presenting a consolidated view on any further actions that may be required to the Strategy as currently presented.

## 1.2 *General Overview*

Consultation forms a critical part of the Strategic Environmental Assessment (SEA) because it is important to ensure the chosen strategy is acceptable to the widely differing interests of groups and individuals within the study area.

There are three main stages in the consultation process: initial contact at the outset of the study; ongoing consultation with key stakeholders during the strategy development; and public meetings/exhibitions towards the end to discuss the proposals. In addition to these consultations with other parties, the need for close liaison with the Client is also recognised.

## 1.3 *Format of Document*

Following this introduction, this report comprises sections describing

- The form and extent of consultation (Section 2)
- A consolidated form of issues analysis, reflecting the entire duration of the consultation process (Section 3)
- A final section summarising any concerns and issues not addressed within the Strategy as presented in September 2001 (Section 4)

## 2

# Consultation Responses

### 2.1

#### *Overview*

The level of response to the various consultation exercises undertaken has generally been good with some informative responses received. The main issues and concerns generated were related to the proposed actions for the Flat Cliffs area and for the protection of the seawall at Filey. Further details of the consultation periods undertaken and the level of responses received are outlined in the remainder of this section with analysis of the issues generated in Section 3.

### 2.2

#### *Initial Consultation*

An initial contact was made with a range of both statutory and non-statutory organisations with interests in the study area during August 2000 and various other organisations identified through feedback from other consultees. This initial contact was in the form of a brief two page handout summarising the background and purpose of the study. An information request form, detailing the information required as part of the study, asked consultees to indicate information held by them that could be of use to the study. Consultees were also invited to identify any general concerns or issues they had with regard to the study.

Following this initial feedback from consultees a first stage report was produced covering the baseline conditions of the study area including the environmental, social and economic issues identified through consultation. A summary of the responses obtained during the initial consultation exercise is presented in Table A1, **Appendix A**.

A total of 100 individuals/organisations were originally contacted as part of the Filey Bay Strategy Study (in some instances more than one individual was contacted at the same organisation e.g. local councils, English Nature, CPRE). Further organisations were contacted following initial replies from consultees suggesting further organisations to be contacted as part of the study. In addition individuals from organisations such as the RSPB were also met on site.

In total some 51 replies were received in response to the initial consultation letter. A number of these individuals expressed issues and concerns that they wished to be addressed by the strategy. These have been reproduced in Section 3 in addition

to details of the action taken in response to this concern. A full breakdown of responses received is given in Table A1, **Appendix A**.

### 2.3

#### *Interim Consultation*

In addition to the initial consultation, further contact has been made at milestones throughout the study with key stakeholders and other bodies of relevance as identified during the initial phase. This is designed to keep parties informed of findings, obtain agreement on important factors, such as environmental objectives, and seek their integration into the process of strategy development. This is seen as vital to achieving a consensus view and dealing with potentially conflicting issues at an early stage, thereafter providing a much smoother path to wholesale acceptance of the final strategy.

Following the preparation of the first stage report covering baseline conditions of the study area, a range of environmental objectives were identified reflecting the sensitivity of the environmental factors within the bay in addition to social objectives. In May 2001 statutory and key consultees were sent a copy of the baseline study, the Strategic Environmental Assessment and the proposed environmental objectives, with other consultees expressing a wish to receive further consultation sent a copy of the environmental objectives. All individuals/organisations were invited to comment on these in order to secure agreement on them. This was essential before proceeding to evaluate technically viable engineering and/or management options against the agreed objectives.

The way in which individuals/organisations responded to the initial consultation was taken in to consideration when determining the circulation for this information. Details of those consultees who received this information are given in Table A2, **Appendix A**.

Some 13 individuals were sent the full Strategic Environmental Assessment (SEA) baseline report in addition to the proposed environmental objectives for comment (in some instances more than one individual was contacted within an organisation e.g. Local Authorities, Environment Agency). In addition some 59 individuals were sent a covering letter and a copy of the proposed environmental objectives for comment. Details of those contacted are given in Table A2, **Appendix A**. Some 11 written responses were received, those relating to the proposed environmental objectives are reproduced in Table 3.1. Other comments concerning the baseline report were actioned and a final version issued.

## 2.4

### *Final Consultation*

Following analysis of options in terms of their environmental acceptability, sustainability, technical soundness and economic viability, preferred coastal defence options were selected. In November 2001 a further consultation exercise was undertaken to seek public views and comments upon the draft strategic coastal defence options that had been identified. To this end, all consultees were contacted by letter. This invited them to comment on the proposed options. The letter was accompanied by a pamphlet that was produced, summarising the strategy including the studies undertaken to inform strategy development such as processes modelling, cliff mapping and strategic environmental assessment. A brief summary of each Management Unit was included with a description of the proposed management policy. Finally an action / implementation plan outlined how the policies were to be executed.

A public exhibition was also put on display for a period of twelve weeks at the Evron Centre, Filey, and consultees were invited to visit the exhibition during office hours if they required further information on the study and the proposed options. Full copies of the plan documents were also available for review at the offices of Scarborough Borough Council.

These events were publicised in newspapers, on the radio and on television, arrangements made by Scarborough Borough Council. Comments made by consultees have been reviewed with discussion of concerns and appropriate alterations to the recommendations made, in consultation with the Council. These changes will then be made in the final Strategy Plan document, with details of the alterations resulting from the consultation appended to the final report. Details of consultation responses are discussed in Sections 2 and 3 with reproduction of relevant responses in **Appendix B**.

During this period, a number of other meetings also took place with particular interest groups, with community representatives, and with the wider public, notably:

- Scarborough Borough Council, 18<sup>th</sup> September 2001. Council Members were given a preview of the findings prior to the public consultation exercise;

- Filey Town Council, 23<sup>rd</sup> October 2001. The Town Council were given a preview of the findings prior to the public consultation exercise;
- The Flat Cliffs Residents Association, 15<sup>th</sup> February 2002. To discuss the coastal issues at Flat Cliffs.
- A further public meeting for anyone with a general interest in the Filey Bay coastal strategy, 15<sup>th</sup> February 2002

#### 2.4.1

##### *Meetings*

##### (a) Scarborough Borough Council

A private presentation was given to members of Scarborough Borough Council on 18<sup>th</sup> September 2001 to inform them of the studies undertaken as part of the strategy development for both the Filey Bay and Cayton Bay commissions, and the proposed policies in terms of coastal defence for both frontages.

##### (b) Filey Town Council

A private presentation was given to members of Filey Town Council on the 23<sup>rd</sup> October 2001 to inform them of the studies undertaken as part of the strategy development and the proposed policies in terms of coastal defence for the Filey Bay frontage. Apologies were also given on behalf of members of Reighton Parish Council who were unable to attend.

##### (c) Flat Cliffs Residents Association

A presentation was given to the residents of Flat Cliffs on the 15<sup>th</sup> February 2002 to outline the proposed coastal defence strategy for Flat Cliffs and to discuss the concerns of local residents. Approximately 40 people from Flat Cliffs attended the meeting and the main issues/concerns of the residents were outlined by their representative, Mr Robert Jordan.

##### (d) Public Meeting

An open meeting was held on the 15<sup>th</sup> February 2002 following the private meeting with the Flat Cliff Residents for anyone with a general interest in the Filey Bay Strategy Study. A total of ten members of the public attended the presentation, however, only five of these signed the attendance sheet. Issues and concerns generated as part of the meeting are discussed in Section 3.3.

#### 2.4.2

##### *Exhibition and Consultation Pamphlets*

The exhibition in the Evron Centre continued for a period of 12 weeks and consultation summary pamphlets were available for members of the public to take away and read. In addition consultation summary pamphlets were also sent to a number of organisations. A breakdown of the individuals / organisations directly sent either consultation summary pamphlets, and or other supporting documentation from the strategy is reproduced in Table A2, **Appendix A**.

## 3 Issues Analysis

### 3.1

#### *Initial consultation*

During the initial consultation phase individuals contacted were invited to express any issues/concerns they had for the frontage of the study area that they would like to see considered during development of the strategy. The key issues raised during the initial consultation exercise are summarised in the following sections along with responses and details of action taken to address the concerns raised. The issues have been grouped by subject area for ease of use into the following issues areas:

- Built Environment
- Water and Aquatic Environment
- Nature Conservation and Landscape
- Fisheries
- Cultural Heritage
- Social and Economic
- Tourism and Recreation

The issues raised and actions taken are described under these headings in the subsections which follow. Copies of relevant responses are included in **Appendix B**.

Name/ Organisation	Issue/concern	Response / Action Taken
Filey Town Council. Mr R Hartley Flat Cliffs Residents Association. Mr P Hinchcliffe	Filey Regeneration Initiative Amtree Park regeneration plans Potential risk to properties at Flat Cliffs and consequent effects on the community.	Though aware of these, it should be for these initiatives to respond to the strategy, not vice versa Cliff mapping has allowed an assessment of potential cliff instability and quantification of cliff recession rates. It has also identified zones at risk during the strategy lifetime and been used to provide planning guidance for the coastal zone.
	Concern over the implications of the "Retreat the line" policy in the SMP Rate of erosion, remaining life-span of properties at risk and the effects of slippage induced by groundwater on properties.	Policy has been changed to one of "Limited Intervention". Geotechnical investigation and stability analysis has been undertaken to identify the full scale and nature of the instability problem, and consequently the risks to property. It is not possible to be precise about the residual life of property or the timing of potential instability events. The analysis demonstrates the sensitivity of the landslides to the effects of coastal erosion and groundwater levels.
University of Hull	Promote sustainable development of Filey Bay and adjacent areas.	The strategy has identified risk zones and developed planning guidance maps to inform sustainable development within the study area throughout the strategy lifetime.
Scarborough BC. Mr M D Close	BT easements crossing the beach at Filey (both connect into an easement culvert at the base of the Cargate Hill slipway). A further easement has been requested.	The location of these easements has been noted with regard to development of policies for the strategy.

3.1.2

*Water and Aquatic Environment Issues*

Name / Organisation	Issue / concern	Response / Action Taken
Scarborough BC. Mr D Wilson	Designated bathing beaches of North Landing and Reighton	The potential impact of defence policies options on bathing beaches has been assessed during option analysis.

## 3.1.3

## Nature Conservation and Landscape Issues

Name/ Organisation	Issue / concern	Response / Action Taken
Countryside Agency (Mr M Barningham)	Visual impact on the coastline.	All policies have been assessed for their impact on landscape quality both within and outside the area of Heritage coast.
Filey Brigg Ornithological Group (Mr HJ Whitehead)	Importance of Filey Bay to feeding seabirds.	The baseline SEA has noted these issues and describes all habitats and populations of importance within the study area. It has also identified appropriate objectives for the protection of these interests against which each coastal defence option has been assessed.
University of Hull	Inshore waters are used by wintering flocks of seaducks, divers and auks. Several intertidal and subtidal communities of interest in the bay. Area supports an internationally important seabird colony.	
North Yorkshire CC Heritage Unit (Kirsty Maddocks, Ecologist)	Strategy should ensure that the ecology of the area is not detrimentally impacted. Need for adequate safeguard and protection of the nature conservation and ecological interests along the coastline. The location and protection of any legally protected species needs to be taken into account.	All options have been assessed in terms of their ecological impact (see further text below). All options have been assessed in terms of their ecological impact (see further text below). All known legally protected species within the study area have been identified.

The interventions proposed by the strategy have no significant adverse effects on nature conservation and in general, maintaining natural processes and managing the process of retreat will contribute to the sustainable conservation of wildlife habitats and species characteristic of this Natural Area. There will be no significant effects on qualifying or designated sites, however outside statutory protected areas, but within the SNCI there will be some loss of existing nature conservation interests on the retreating soft cliffs and cliff tops as a result of natural processes

of cliff erosion and retreat. Recreation of vegetated cliff top and cliff face habitats and habitat setback are recommended to combat this. Further details are given in the SEA, Appendix D of the strategy report.

3.1.4

*Fisheries Issues*

Name/ Organisation	Issue/concern	Response/Action Taken
North Eastern Sea Fisheries Committee University of Hull	Propose new objective for protection of inshore fisheries in area of MU27 Some inshore areas valuable as spawning /nursery areas for fish species	This objective has been included in the option evaluation process. See comment above.

In instances where there is a potential for impact on fisheries interests, mitigation has been identified, notably works such as delivery/installation of rock to be undertaken outside spawning periods of inshore fisheries and to a minimum number of locations. A fisheries liaison officer is also to be appointed. However, because fishing effort is all year round (though the target species vary), seasonal control of the working period would not necessarily enable any impacts to be avoided altogether. The details of controls, such as barge access routes and delivery points, will need to be agreed with the fishermen when the requirements for rock and other materials are determined.

Name / Organisation	Issue / concern	Response
North Yorkshire CC Heritage Unit Linda Smith (SMR Officer)	Lack of up to date and comprehensive information on the archaeological resource	Mitigation in the form of recording, survey and excavation where relevant. It is not anticipated that any known archaeological sites will be adversely affected by coastal defence interventions.
Humber Archaeology Partnership Dave Evans	Agrees proposed objectives with minor modification and proposed new objective relating to maritime archaeology	Coastal defence options have been assessed against maritime archaeology objective.
Scarborough BC MKibblewhite	Tourist economy is important to Filey and historic coastal infrastructure makes an important contribution to this.	Historic Conservation Areas to be protected.

The strategy provides for the protection of the cultural assets of Filey Town and seafront, which are designated a Conservation Area. The Conservation Area at Reighton is not considered threatened by coastal change within the period of the Strategy. A number of archaeological sites are at risk within the lifetime of the strategy, these have been identified based on estimated cliff recession potential and are listed in the Strategic Environmental Assessment. The most significant is the Roman Signal Station, a Scheduled Monument, however, there is no technically feasible and sustainable solution to defend it.

Excavation and recording is proposed to mitigate the risk to the site. This may also be appropriate in relation to some of the other sites expected to be lost. Mitigation in respect of sites expected to be lost to erosion should be commissioned and co-ordinated by English Heritage (in relation to the Scheduled Monument) and by the archaeological units of the two local authorities (North Yorkshire County Council and Humber Archaeology Partnership).

Name / Organisation	Issue / concern	Response
Countryside Agency (Mr M Barningham)	The economic and social impact on local communities	All policies have been assessed for their impact on economic and social assets.
Filey Town Council, (Mr R Hartley)	Health and safety concerns resulting from erosion	Areas of concern have been identified through the cliff mapping and the establishment of recession potential (i.e. risk areas include the concrete track beach access at Reighton). Appropriate measures are incorporated into the strategy to combat these issues such as removal of unsafe structures and monitoring/early warning of ground movement events.

3.1.7

*Tourism and Recreation Issues*

Name / Organisation	Issue / concern	Response
Filey Town Council (Mr R Hartley)	Access to Filey Brigg	The need to relocate the footpath from Carr Naze to Filey Brigg has been identified as an action of the strategy.
Countryside Agency (Mr M Barningham)	Any effects on public footpaths or national trails.	The need for footpath relocation along cliff tops and public beach access has been identified for the following management units (27, 28A, 29B, 29C, 30A&B and 31A-E).
Filey against dredging Chris Robinson	Possible need to replace sheet piling protecting Filey Yacht Club.	The strategy has determined that the Yacht Club is unsustainable in its present position and should be relocated when necessary.
North Yorkshire CC Andrew Bainbridge	Any plans should accommodate cycling routes being developed for Filey.	Proposed strategy options should not impact upon cycle routes being developed.

There will be a recreational benefit from the strategy recommendations to re-route footpaths lost to erosion in the northern half of the study area. Intervention to re-route existing footpaths is not expected to be needed within the East Riding of Yorkshire administrative area. However, all authorities should seek opportunities to establish new footpaths in conjunction with coastal retreat, with the objective of linking the whole study area with a coastal footpath.

## 3.2

*Interim Consultation*

A number of responses were received from those individuals/organisations that were sent either the full Strategic Environmental Assessment (including environmental objectives) or simply the environmental objectives for comment. Comments received are reproduced in Table 3.1. Copies of relevant responses are included in **Appendix B**.

**Table 3.1 Comments Received on Proposed Environmental Objectives**

Organisation	Comment	Response
North Eastern Sea Fisheries Committee	Agree with proposed objectives. Regarding MU 27 "Avoid interference with inshore fishing activity" should be included with the resulting implication being "potential conflict with objective 20".	Comments incorporated into environmental objectives.
Filey Sea Cadets	Queried whether there would be anything in the objectives that would conflict with SBCs decision to refuse planning permission for their proposed new building.	Unlikely due to coastal erosion/ cliff instability making development unsustainable in long term.
Bridlington and Flamborough Fishermen's Society	No comments to make on environmental objectives.	
Filey Against Dredging	Agree with proposed objectives. (For unit 27/28 proposed investigating possibility of extending sheet pilings along front of Sailing Club.	Club is not sustainable beyond the strategy lifetime so continued maintenance/extension of defences is not considered appropriate.
Unknown	Providing environmental objectives do not interfere with commercial fishing no objection to any improvements.	There will be no long term impacts on fishing. Possibly some during any construction works that will be mitigated through liaison with

		fishermen, appropriate timing etc.
Humber Archaeology Partnership	Support Objectives 21 and 24.	
	Propose new objective solely dealing with the subtidal historic environment.	A new objective has been included.
	Support Objective 22 but suggest expansion to include 'survey'.	Objective 22 has been expanded.
	Would like Objective 23 strengthened to include a walk-over survey of the coastal strip.	This has not been specifically incorporated but there is scope for this to be covered as part of the strategic monitoring process.
East Riding of Yorkshire Council	Objective 11 is welcome, however, unclear whether objective refers to construction within boundaries of Heritage Coast or includes potential for intrusion from outside.	Wording of Objective 11 clarified.
	Concerns over wording of Objective 25.	Concerns noted, but need to follow DEFRA guidelines.
Countryside Agency	Agree with objectives.	
English Nature	Various comments on earlier draft of SEA.	Addressed in subsequent finalised draft.
Filey Town Council	No comments received on the environmental objectives	
Scarborough Borough Council	Under MU 28/29 reference should be made to maintaining/improving water quality to EU directives.	An objective to this effect has been incorporated
	Further objective suggested for MU29B relating to protection of cliff top property at Primrose Valley.	An objective to this effect has been incorporated

### 3.3

#### *Presentations, Meetings and Responses to Consultation Pamphlets*

The issues and concerns expressed, both as a result of the presentations given to Councillors and Residents, other presentations and to the responses generated in response to the consultation pamphlets have been expressed in the sub-sections below. As many of these issues/concerns are generally more specific they have been reproduced in terms of the individual/organisation rather than grouped as previously under subject headings (see Table 3.2). Copies of the relevant responses received are reproduced in **Appendix B**.

Table 3.2 Issues and Concerns Received with Regard to the Final Strategy Study and Responses

Organisation	Name	Issue / Concern	Response
Filey Town Council Meeting	Mrs M Prentice Assistant Clerk	<p>Rock armour along the full length of the seawall would be strongly opposed as it would not suit the Bay and is unsafe for families as it would be used to climb on etc. An aesthetically pleasing solution is needed in respect of the protection of the toe of the sea wall</p> <p>The existing seawall is in a bad state of repair in certain areas and this situation should be monitored on a regular basis with remedial action taken as necessary after further consultations with the Town Council. A long term maintenance policy is needed.</p>	<p>Safety is one of the criteria that will be considered in the Engineer's Report that would accompany any application to DEFRA for funding. The Town Council's concerns and preferences will obviously be a consideration when a solution is developed further. SBC would favour alternatives to rock armour solution.</p> <p>Visual inspection and topographic surveys of the coastal defences are to be undertaken on an annual basis with 6 monthly topographic surveys of the beach. The strategy also recommends that tell-tale monitors be installed on the seawall to establish the risk of undermining of the seawall due to lowering beach levels during storms. Ongoing local maintenance of the wall will meanwhile continue. A coastal stability study is also planned for the Filey Town frontage to determine a quantitative risk assessment of the threat to the seawalls from land instability and the consequence of failure.</p>
		<p>Members would be grateful for further consultations in the future as well as the normal 5-year reviews.</p> <p>Sediment eroded from the cliff is important in reducing wave action, therefore cliffs should be left to erode. Sand has been removed from Reighton for many years and has not recovered from that damage.</p>	<p>The Town Council will be consulted during the strategy development and coast protection scheme for Filey and if any urgent action is identified following the coastal stability study.</p> <p>SBC would resist any removal of sand from Filey Bay.</p>

Organisation	Name	Issue/Concern	Response
		Sustainability of Filey sailing club	The sailing club is threatened by coastal erosion and instability and are considered to be unsustainable over the lifetime of the strategy; the club has been advised it may need relocation during the strategy lifetime. For the meantime, the club has decided to continue in their present position. SBC will monitor and give advice.
Filey Town Council Meeting	Mrs M Prentice Assistant Clerk	Is it possible to drain any sections north of the Yacht club due to the undercutting of grass.	There is not much benefit in undertaking drainage works. However SBC will give warning and advice. Whilst SBC has a duty of care it is not always up to the Council to tell people where they could or could not walk.
North Yorkshire County Council	Neil Campling Senior Archaeologist	Requested digital copies of maps showing coastal recession potential to manipulate into GIS system and produce maps of archaeological sites at risk from erosion. Sites at risk should be included for investigation or recording under the Coastal Forums coastal site management programme (of which SBC and the CC are members). In this way identified sites could be prioritised and investigations undertaken as part of a more holistic management regime. English Heritage would be better able to contribute to recording of sites under such a programme where there is partnership funding.	Able to provide this assuming SBC are in agreement
Humber Archaeology Partnership	Mr Dave Evans	The most sensible approach to managing the archaeology would be to (a) carry out a rapid assessment of the areas at risk; (b) undertake non-destructive surveys (e.g. earthwork surveys or geophysical surveys) of known archaeological sites which are clearly at risk and (c) where appropriate achieve preservation by record of any major sites which are at risk, by undertaking ground excavation and routinely monitor other areas, particularly those where limited intervention is being proposed, by a programme of watching briefs.	Assume that SBC would be supportive of any investigation initiatives that the County Council feel prepared to undertake.  Believe that the above initiative would address these issues.

Organisation	Name	Issue/Concern	Response
Flat Cliffs Residents Association	Derrick Neville (Private Correspondence)	Concerned about what is being undertaken to save their house.	A policy of "limited intervention" has been adopted for this area of coast and following various assessments of options the preferred option is the installation of a ground movement monitoring system in conjunction with strategic monitoring of the beach and cliffs. The Council will also develop and implement an evacuation plan for properties considered at risk.
Flat Cliffs Residents Association	Derrick Neville (Private Correspondence)	Does not agree with the consideration of an alternative access route to the houses.	Provision of alternative access to Flat Cliffs should be considered by residents and landowners to ensure an evacuation route, given the location of the existing road and the risk of it being compromised due to cliff movement. There may be scope for contributions from Yorkshire Water and possibly Haven Holidays in undertaking these works.
		Wants to know how long, how safe and what is going to happen to the house.	Maps showing cliff recession potential have been developed as part of the study. Ground investigation works have also been undertaken to inform stability analysis of the coastal slopes, which indicate that properties could be affected by significant ground movements during the lifetime of the strategy. It is not possible to be precise about the residual life of property or the timing of potential instability events. The analysis demonstrates the sensitivity of the landslides to the effects of coastal erosion and groundwater levels.

Organisation	Name	Issue/Concern	Response
	Mr Kenworthy (Private Correspondence)	Shocked at the seriousness of the findings and as permanent residents of Lower Flat cliffs are concerned about its future. Want a clearer picture of the measures proposed by SBC. Is it a case of nature taking its course or is there something to be done to keep the Flat cliffs intact.	See responses above.
	Mr G V Nash (Private Correspondence)	Believes water seeping from the land in the form of natural springs, rainwater is the prime cause of land movement adjacent to the beach.	Groundwater clearly contributes to cliff instability, so the existing surface drainage network should be well maintained by residents.
Flat Cliffs Residents Association	Mr G V Nash (Private Correspondence)	Because the land is principally boulder clay it is prone to slippage when wet  Garden subsided over 5ft in last 10 years, further movement will affect access road. It is likely to happen again if water is allowed to run unchecked into Flat Cliffs from the holiday camp above and inadequate drainage from properties above.	Confirmed by strategy  As part of the site investigation work, piezometers and inclinometers were installed and baseline readings taken. These should be monitored at regular intervals during the interim period before a full monitoring system is implemented to identify any changes that might warn of potential ground movement.
		A proposed alternative access road is commendable but does not relieve the causes. Proper drainage is needed and rock armour on the beach.	Rock armour unsustainable over lifetime of the strategy due to outflanking, also expensive. Issue of drainage responded to in subsequent comments
		The survey pamphlet does not mention that Yorkshire Water have a pumping station at the south end that needs to be serviced from the road in Flat Cliffs	The consultation pamphlet is a brief summary of the study and its findings. Yorkshire Water installations are discussed in the main report.

Organisation	Name	Issue/Concern	Response
Flat Cliff Residents Association	Private Meeting held 15 <sup>th</sup> Feb 2002	<p>There appears to be significant drainage problems. Is any effort being made to reduce ground water levels? The Residents Association has commissioned an independent civil engineer to look at the ground water levels, including any discharge from the Haven site, discharging broken pipes and surface water. What help will SBC give?</p> <p>Was SBC aware of the broken drainage pipes washing material onto the beach?</p> <p>Will DEFRA grant aid land drainage?</p>	<p>Improving surface water drainage could help to maintain the present factor of safety against landslides, however, the only way to realistically increase the factor of safety would be to lower the natural ground water table. This would require very deep drainage. Shallow drainage would not increase the factor of safety.</p> <p>SBC environmental health undertook a survey of the Haven drainage system. This investigation looked at the positive drainage system but is believed not to have considered the land drainage system.</p> <p>SBC will raise this issue with DEFRA.</p>
Flat Cliff Residents Association	Private Meeting held 15 <sup>th</sup> Feb 2002	<p>Residents have calculated the erosion rate of Flat Cliffs to be less than 8 inches per year since 1911. If this is the case would this extend the life expectancy of Flat Cliffs when compared to the erosion rates of 1m to 2m per year as quoted in the strategy?</p> <p>Residents are planning a future meeting with Yorkshire Water and Haven. Has the monitoring in the Action Plan been undertaken?</p>	<p>Yes, Halcrow have estimated Flat Cliffs may well be sustainable over a 30 year period assuming an average of 1m per year erosion rate. If the actual erosion rate is less than the life expectancy could be extended pro rata.</p> <p>Yes, Halcrow has undertaken base readings of the inclinometers and piezometers and further ad hoc readings have been taken on the piezometers. SBC will apply to DEFRA to grant aid the future monitoring once the strategy has been formally adopted by the Council. In the meantime arrangements will be made to take further readings on the piezometers as ground water levels appear to be the key to the sustainability of Flat Cliffs.</p>

Organisation	Name	Issue/Concern	Response
		<p>As ground water levels appear to be a key issue the residents believe it is critical that SBC assist in any negotiations with Haven. What sort of warning would be given assuming the monitoring plan is implemented?</p>	<p>As an e.g. SBC have installed telemetry systems at sites elsewhere that trigger a phone call. We will need to look at this in more detail to see what system would be appropriate for Flat Cliffs. There is a need to get the strategy adopted so that DEFRA assistance can be sought for a suitable monitoring regime.</p>
		<p>If the access road goes what would the Council do to assist in maintaining our right of way?</p>	<p>This is something that needs to be explored with landowners with a view to agreeing a contingency plan should such an event occur.</p>
Flat Cliffs Residents Association	Mr P Hinchcliffe (Secretary - for Residents) Comments following meeting	Flat Cliffs Residents Association wishes to support Scarborough Borough Council in its policy of "Limited Intervention" for the Flat Cliffs area. Obviously we would have preferred to support a "Hold the Line" policy.	SBC will continue to liaise with the Residents Association in implementation of the "Limited Intervention" policy.
Flat Cliffs Residents Association	Mr P Hinchcliffe (Secretary - for Residents) Comments following meeting	The Association has various forms of evidence showing that erosion at the present time is substantially less than 2m at this area of the cliffs. We therefore look forward to further meetings with Dr Roger Moore as discussed at the meeting.	Dr Moore met with the residents of Flat Cliffs on Friday 22 <sup>nd</sup> March. The discussion covered aspects of the investigations of cliff instability, including the basis of predicted erosion rates compared to historical erosion, the role of surface water, groundwater, management options and the way forward.

Organisation	Name	Issue/Concern	Response
		<p>We have a preliminary structural engineers report indicating that surface water run off and lack of drainage is a factor at Flat Cliffs, particularly at the road area. Would be grateful if you would investigate whether DEFRA funding would be available to carry out surface water drainage works and also investigate the position with regards to Bourne Leisure and their contribution to the excess surface water.</p> <p>It is vital that ground water levels are reduced as much as possible.</p> <p>You stated intentions to monitor the existing rapid response monitoring units and to install automatic response warning monitors. Presumably these will be installed and/or read more frequently once DEFRA funding is available.</p>	<p>SBC to confirm with DEFRA whether funding will be available for surface water drainage works.</p> <p>Noted. See however other comments.</p> <p>Monitoring of existing piezometers and inclinometers will be undertaken on a 6 monthly basis. Following approval of DEFRA funding a telemetry study will be undertaken that will help to inform the design and implementation of the rapid response monitoring system for Flat Cliffs. The recommendation for a rapid response monitoring system will require participation of the residents to ensure effective implementation and management.</p> <p>Given the presence of Yorkshire Water infrastructure in the risk zone, there is likely to be scope for pursuing joint funding of works where appropriate. RA's request for assistance noted.</p>
		<p>With regards to alternative access the RA has already contacted Yorkshire Water on the matter and no doubt SBC will be liaising with them also. Whether or not access through land owned by Bourne Leisure Ltd would be envisaged, will not be apparent for some time. The RA would be grateful for any assistance SBC are able to give us regarding alternative access be it through the old Butlins site or Bourne Leisure.</p>	

Organisation	Name	Issue/Concern	Response
Yorkshire Water Services Ltd	Stephanie Walden (Environmental Planning Manager)	No comments at this stage regarding a preferred option but would like to be kept informed of progress on the coastal defence strategy and look forward to future consultation.	SBC will continue to liaise with Yorkshire Water, particularly with regard to the issue of access to infrastructure within the risk zone at Flat Cliffs.
RSPB	Nicola Melville (Conservation Officer N Yorkshire and Humber Area)	No major comments on the strategy. Support the limited and no intervention policies proposed for the majority of the coast outside Filey Town. Conservation interests down the East coast of England, including SPAs on the Humber and the Wash are reliant on sediment released from soft cliffs like those in Filey Bay. Hydrodynamic modelling work for Filey Bay should make links to more broad scale modelling of sediment movements to ensure that decisions made at Filey do not adversely affect more distant areas of conservation value.	A full hydrodynamic study is proposed as part of the strategy recommendations in order to develop a more detailed understanding of the sediment movements within the Bay and in particular to identify any offshore pathways.
The Crown Estate	Emily Forsythe (Marine Estates)	No comments on the strategy. However, if any future works likely to affect the foreshore or seabed Crown Estate interests may be affected and consent may be required. Would like to be kept informed of future developments.	SBC will keep Crown Estates informed of any future defence works within the study area that are likely to affect the foreshore or seabed.
Hunmanby Parish Council	W.E Taylor (Clerk/Financial Officer)	One matter of concern with regards to Management Unit 28B: Filey Town. Members expressed a cautionary note over the proposal to place rock protection at the end of the seawall. They feel that this could cause a safety problem with children playing in this area of high tourist and visitor use. Inquisitive young minds often wish to clamber amongst the rocks at the seaside, even at high tide, and this could be a safety risk if small feet and legs get caught between the rocks.	See comment made in response to same concern expressed by Filey Town Council (above).

Organisation	Name	Issue/Concern	Response
North Eastern Sea Fisheries Committee	David McCandless (Acting Chief Fishery Officer)	No comment made.	
Public Consultation Meeting, 15 <sup>th</sup> Feb 2002	Various	<p>The major problem with cliff slippage appears to be a lack of drainage. Could planting of trees and bushes help stabilise cliffs?</p> <p>Suitability of gabions in transition between hard man made structures and natural soft defences?</p> <p>How long will the access road to flat cliffs last?</p>	<p>It can help superficial ground movement, but cliff slips tend to be more deep seated therefore tree planting of little benefit. Water is the 'key' driver of coastal erosion at Filey and the natural ground water table is more significant than surface rain water.</p> <p>Rock armour is more effective as voids between rock help dissipate wave energy therefore far more effective than gabions that support ground but allow water behind to escape.</p> <p>The Council does not know at this stage. It is not possible to be precise about the residual life of the access road or the timing of potential instability events. The stability analysis demonstrates only a very small margin of stability for the steep section of road indicating failure could occur at anytime due to the effects of coastal erosion and high groundwater levels.</p> <p>SBC has a policy to oppose any dredging in the bay, however this does not guarantee that dredging will not be carried out at a future date. The findings of the study suggests the dredging of material would be damaging to the beaches at Filey.</p>
		<p>Can Filey Against Dredging be assured there will be no more dredging? It has been established that the sediment supply is important to the wellbeing of the bay</p>	

Organisation	Name	Issue/Concern	Response
Public Consultation Meeting, 15 <sup>th</sup> Feb 2002	Various	Erosion is occurring behind sheet piles next to the sailing club. Can something be done as this holds up the public path?	The strategy recommends existing defences within the management unit are not sustainable. It may be necessary to re-route the public path however SBC will look into the matter. Any maintenance works would be from SBCs own budgets as it will not be coast protection but merely footpath works.
Public Consultation Meeting, 15 <sup>th</sup> Feb 2002	Various	A report by the University of Hull suggested a substantial amount of sediment movement out of Filey Bay around Flamborough Head.  Is sediment from cliffs fine material kept in suspension rather than courser material deposited on beaches?  How much material comes from outside the bay around Flamborough Head?	The report suggested 10,000m <sup>3</sup> . Halcrow estimate sediment from cliffs within the Bay to be between 5,000m <sup>3</sup> and 20,000m <sup>3</sup> per year. It is not known how much sediment is lost offshore although this is probably offset by the continuous feed of sediment from the erosion of the cliffs.  Samples taken by Halcrow indicate 60% of till material is sandy material that would form beach material.  It is estimated that about 90% of beach material is derived locally.

## 4 Recommendations

### 4.1 *Introduction*

There are a number of concerns and issues addressed throughout the consultation exercise. Those that were highlighted during the initial consultation exercise have largely been addressed, (see Section 3.1) however those remaining issues and those highlighted during the public exhibition period concerning the proposed policy implementation need to be resolved and a number of recommendations have been developed to address these. The recommendations are set out below by management unit as many of the issues are largely geographic and related to specific policies rather than study wide. Where issues are more generic and relate to the study area as a whole these have been discussed separately in Section 4.2.

### 4.2 *Generic Issues/Concerns of Relevance to the Entire Study Area*

#### 4.2.1 *Historic Environment*

##### (a) Archaeological sites at risk

SBC to provide North Yorkshire County Council (NYCC) with digital copies of recession potential maps to enable production of maps highlighting archaeological sites at risk. SBC should also liaise with NYCC in respect of targeting such sites for investigation and recording under the Coastal Forums coastal site management programme. In this way identified sites could be prioritised and investigations undertaken as part of a more holistic management regime. Funding should be sought where appropriate from English Heritage to contribute to recording of such sites.

#### 4.2.2 *Health and safety concerns resulting from erosion*

There are a number of areas where erosion could lead to health and safety concerns such as the landing at Reighton, the coastal footpath at Carr Naze and slipway access for Filey sailing club. An inventory of potential risk areas could be incorporated into the strategy for targeting sites as part of future intervention work.

### 4.3 *Local Issues of Relevance to Specific Management Units*

#### 4.3.1 *Management Unit 28A Filey Sands*

##### (a) Filey Sailing Club

Due to the unsustainable location of the existing Sailing Club and the future need for its re-location there is a potential additional action in the implementation plan

in respect of ongoing monitoring and liaison over establishing a suitable alternative site.

#### 4.3.2

##### *Management Unit 28B Filey Town*

###### (a) Rock Armour

The issue/concern expressed by Filey Town Council with respect to the use of rock armour along the Filey town frontage needs to be considered, noting that SBC support this view. Assessment of this and other options is however to some extent dependent on the findings of the coastal slope stability study.

#### 4.3.3

##### *Management Unit 29B Primrose Valley - Antree Park*

###### (a) Erosion Rates

There is some discrepancy between the predicted erosion rates used in the sensitivity analysis as part of the strategy study and historical erosion rates estimated by the Flat Cliffs Residents Association. Having met with the residents and explained the basis of the rates we have used in the sensitivity analysis, they now have a much better understanding of the uncertainties with future predictions and accept the broad approach. Therefore we suspect this is no longer an issue.

###### (b) Evacuation Plan

SBC need to liaise with local residents of Flat Cliffs to determine an evacuation plan in the event of a landslide affecting properties within the risk zone. This has, however, been referred to as an action in the implementation plan for the strategy.

###### (c) Current/Alternative Access Road to Flat Cliffs

Our investigations have identified an imminent risk to the access road and we have written to SBC expressing our concerns. The investigation of alternative access routes is required as a matter of urgency and action plans are needed should the road collapse before an alternative access road is constructed. SBC to liaise with Flat Cliffs Residents Association, Yorkshire Water and other landowners including Bourne Leisure and Haven to help determine contingency plan for alternative access route to properties. The need for liaison over this matter is however referred to in the implementation plan for the strategy.

###### (d) Grant Aid

SBC to confirm whether DEFRA grant aid is available for land drainage works and to inform Flat Cliffs Residents Association.

Table A.1 Summary of Initial Consultation Responses Received

Organisation	Name & Telephone	Response
ADAS	Mr G Kingston	Letter returned - addressee has moved.
Association of Countryside Rangers		No response
Bempton Parish Council	Mrs A Robson	No response
Bridlington & Flamborough Fishermens' Association	Mr G Travers	No comment on proposed objectives
British Canoe Union	Mike Devlin 0115 982 1100	The BCU Web page has lists of affiliated clubs within regions.
British Holiday & Home Park Association	Mrs D Brown	No response
British Sub-Aqua Club	Mr R L B Norgan	No response
British Water Ski Federation	Mr Rook 0113 249 9355	No water ski clubs within the study area- nearest club is Scarborough Water Ski Club. Not many skiers ski on the sea in this area- mainly on lakes and inland waterways instead.
Camping & Caravanning Club	Mr M A Cook 02476 856 713	No contribution to make to the consultation process at this time
Cayton Parish Council	Mrs M Welsh	No response
Centre for Environment, Fisheries and Aquaculture Science (CEFAS)	Dr R S Millner 01502 562 244	Indicated what relevant information they hold on fisheries data Supplied document: <ul style="list-style-type: none"> <li>Summary from North Eastern Sea Fisheries Committee of inshore fisheries in 1999</li> </ul>
CERCI	Mr Jean-Paul Ducrotoy	See response from Dr Graham Scott, Deputy Director of CERCI (University of Hull Scarborough Campus)
Hitherstay	Mr M D Cockshott	No response
Council for the Protection of Rural England		No response
Council for the Protection of Rural England	Mr Geoff Mackley	No response
Council for the Protection of Rural England		No response
Council for British Archaeology		No response
Country Landowners' Association	Mr I R Kibble	No response

Organisation	Name & Telephone	Response
Countryside Agency	Mr M Barningham 0113 246 9222	Issues to be considered include the visual impact on the coast line, the economic and social impact on local communities, and any effects on Public Footpaths of National Trails. Documents supplied: <ul style="list-style-type: none"> <li>• The Heritage Coast Management Plan</li> <li>• Copy of former Countryside Commission Countryside Character Areas Numbers 25 and 26</li> </ul>
Crown Estate	Mrs J Gray 020 7839 7847	Area in question falls within ownership of The Crown Estate but also that of Admiral Mitford (admitted claim dated 22 May 1864). There are no applications in place to prospect for sand and gravel extraction and no further licences have been applied for recently. Contact for east coast aggregates is Andrew Nutt. No comment on proposed objectives.
Duchy of Lancaster	Mr J Bailey	No response
English Heritage Regional Office		No response
English Nature	Mr Stephen Morley 01904 435 500	Telecon 01/09/00- he deals with Filey Brigg SSSI. Kimmo Evans deals with Flamborough Head SSSI/SPA/SMA. SNCIs are dealt with by Bob Missin at Scarborough Council. Provided other information, contacts and details of publications e.g. The Marine Nature Conservation Review of Great Britain contains information on benthic marine habitats of this section of coast. Documents supplied: <ul style="list-style-type: none"> <li>• Boundary maps and details of site interest for Filey Brigg SSSI and Flamborough Head SSSI, SPA and cSAC.</li> </ul>
	Mr Kimmo Evans 01904 435 500	Information on nature conservation importance, SMA Management Strategy and Technical Report provided during site visit. Contact details for Yorkshire Coast MCS group <ul style="list-style-type: none"> <li>• Supplied CD-ROM for all England's Natural Areas</li> </ul>
Environment Agency	Mr I Cooke 01904 692 296	Not aware of any recent flooding in Filey. No Flood Defences schemes in the Capital Programme (Long Term Plan) for Filey Bay. Consulted Flood Warning Team- there is only one warning issued for Filey Bay (for Coble Landing area) Documents supplied: <ul style="list-style-type: none"> <li>• Copies of relevant Flood Defence information (Fisheries, Ecology and Recreation department will be replying separately)</li> <li>• Esk and Coast LEAP</li> </ul>

Organisation	Name & Telephone	Response
Environment Agency	Jim Lancaster 01325 480 849	<ul style="list-style-type: none"> <li>Supplied a summary report for Bathing Water Quality Nationally for 199, which gives an indication of standard</li> <li>Supplied water quality results for Reighton and North Landing for 1999 and 2000.</li> </ul>
Filey Against Dredging	Chris Robinson	Agrees with proposed objectives. Possible need to replace sheet piling protecting Filey Yacht Club.
Filey Brigg Ornithological Group	Mr H J Whitehead 01723 514 565	Filey Bay is extremely important to feeding seabirds. Met for discussion about ornithological and other wildlife issues. Supplied copies of latest FBOG annual reports. Agrees with proposed objectives.
Filey Town Council	Mr R Hartley Town Clerk	Meeting with Mr. Hartley of FTC on 13/9/00. Discussed various issues including, health and safety concerns resulting from erosion, access to Filey Brigg, Filey Regeneration Initiative, Amtree Park regeneration plans, tourism, and recreational pursuits. Also described the history of Flat cliffs.
Filey Town Sailing Club	Mr P Crooks	No response
Flamborough Parish Council	Mr G R Scrowsten	No response
Flamborough Ornithological Group	Mr P Willerby	No response
Flamborough Head Maritime Forum	Mr G H Traves MBE 01262 675 105	Change of address. Forwarded to new address by English Nature.
Flat Cliffs Residents' Association	P Hinchliffe 01723 512 150	Comments on the Shoreline Management Plan, the potential risk to properties at Flat Cliffs and consequent effects on the community. Particular concern over the implications of the "Retreat the line" policy in the Shoreline Management Plan, the rate of erosion, remaining life-span of properties at risk and the effects of slippage induced by groundwater on properties. No comment on proposed objectives.
Forest Authority	Mr R Smith	No response
Gap Road Property Owners Association	Mr J Brightbart	Change of address and change of contact.
Geological Teaching Institution	Professor Reeves	No comments to make at this time.
Grithorpe and Leberston Group	Mrs P A Dobson	No response
H M Coastguards	Mr R M C Young	No response
Heritage Coast Project Office		No response
Heritage Coast forum	Mr T Badman	No response
Old Oxenthorpe Hall	Mr & Mrs P Holland	No response

Organisation	Name & Telephone	Response
Humber Archaeology Partnership	Mr D Evans 01482 217 466	Information supplied: <ul style="list-style-type: none"> <li>• Contact name and address for counterparts in North Yorkshire</li> <li>• Details of land-based sites listed on the SMR (East Riding)</li> </ul> Recommend contacting National Maritime Archaeological Record for details of wreck sites (24 known wrecks in the Bay and off the Headland). Agrees proposed objectives with minor modification and proposed new objective relating to maritime archaeology.
Humnaby Parish Council MAFF	Mrs C Durbin Bryan Meggett 01723 361 703	No response There are about six licensed fisheries vessels at Filey and about six at Flamborough. Vessels from Scarborough and Bridlington also work the Bay. Annual catch in the Bay may be about £500,000, but MAFF does not record such small areas individually. No comment on proposed objectives.
Farming and Rural Conservation Agency (FRCA) Marine Conservation Society	G B Tatman 0113 261 333	FRCA has replaced MAFF's land use planning unit. Supplied eight maps showing environmental designations, agricultural land grades, hard and soft geology.
Far Close	Mr W P Milner	No response
Filey Sea Cadets	John Randerson	No response Relationship of environmental objectives to refusal of planning permission for proposed new building at Filey Sands
Muston Parish Council	Mrs M Prentice	No response
National Coastal and Estuarine Advisory Group	Mr V Robinson	No response
National Farmers' Union	Mr David Collier 01904 451 550	Will consult colleagues in local office (wrong address used- letter sent to East Anglia regional office). Group Secretary contact details, to allow local farmers to be contacted. Will forward names and addresses of local farmers.
National Federation of Fishermen's Organisations	Mr Barrie Deas	No response
National Trust	Mr Andrew McVety	The National Trust does not own any land within the study area. It does own a section of cliff to the west of the area (where policy is not to intervene against natural processes).
Natural Environment Research Council		No response

Organisation	Name & Telephone	Response
North Eastern Sea Fisheries Committee	David McCandless Deputy Chief Fishery Officer	Details of shellfisheries (important), trawling (restricted), commercial fish species present. Concerns include sedimentation and effects of structures on currents. Copies of following documents supplied: <ul style="list-style-type: none"> <li>fisheries byelaws</li> <li>annual shellfish statistics 1999</li> <li>summary of fishing effort 1999</li> </ul> Agrees with proposed objectives and proposed additional objective relating to protection of inshore fisheries around Management Unit 27
North East Static Trawlers Society	D W Horsley	No response
North Yorks National Park		No response
North Yorkshire County Council	Ms L E Smith SMR Officer Heritage Unit	Information supplied: Hold a number of other archaeological sources and aerial photographs. Concerned over lack of up to date and comprehensive information- advise desk top study and field visits to be carried out by archaeological consultants. Document supplied: Archaeological sites on North Yorkshire SMR
Proudman Oceanographic Laboratory	Kirsty Maddocks, Ecologist, Heritage Unit 01609 780 780 ext 2376	Key concern is adequate safeguard and protection of the nature conservation and ecological interests along the coastline. The location and protection of any legally protected species will need to be taken into account. SINC's surveyed in 1999 and resulting data stored in a biological database (BioDAT). Can provide a copy of this data (botanical plus incidental faunal records including Phase 1 habitat maps at various scales) for a charge.
Ramblers Association	Sue Stabler, Environmental Services	Document purchased: • North Yorkshire County Structure Plan
Reighton Parish Council	Andrew Bainbridge 01609 780 780	A cycling plan for Filey is being developed- first meeting of the working group was 12 October 2000.
Residents of Hummanby Gap	Mr J M Huthnance 0151 653 8633	Looking into developing possible cycle routes, improving facilities etc.
Royal Commission on the Historical Monuments of England	Mr G Drake	Holds wave and water level data and tidal measurements.
	Mrs L Wilson	No response
		No response
		No response
		No response

Organisation	Name & Telephone	Response
Royal Society for the Protection of Birds	Trevor Chatton	Met on site and obtained information on recent breeding seabird counts
Royal National Lifeboat Institution Headquarters	Mr N S Pearce	No response
Royal Yachting Association Orchard Hill	Mr & Mrs D Runtton	No response
Rural Development Commission Scarborough & District Canoe Club	Mr M Barningham Mrs Susan Mumford	Owners of The Cottage, Sands Road, therefore, specific area of interest is Hunmanby Gap and its environment. Comments and information relating to transport, planning, economy, tourism, fisheries, archaeology, water quality, nature conservation, coastal conditions and land use. No response No response
Scarborough Borough Council	Mark Kibblewhite, Department of Tourism & Leisure Services 01723 232 578	Tourist economy is important to Filey and historic coastal infrastructure makes an important contribution to this. Documents supplied: <ul style="list-style-type: none"> <li>• Borough of Scarborough Tourism Strategy</li> <li>• Scarborough Summary - Scarborough Tourism and Economic Activity Monitor 1990-1999</li> <li>• Filey and the South - A management document which looks at tourism in Filey and its immediate hinterland</li> </ul>
	David Wilson 01723 381 344	Reighton and North Landing are designated bathing beaches for water quality monitoring, but they are not award beaches. There are no Blue Flag beaches within the study area as Blue Flag status has not been applied for yet (new Yorkshire Water Services system has only just come into operation)- won't be applying until 2001/2002. One beach in the study area has been given the Tidy Britain award.
	Mr J Riby and Mr Chris Matthews Department of Technical Services 01723 232 461	Three meetings held, background information provided, site visits made and discussions held over project brief and conduct of the study. Documents supplied include: <ul style="list-style-type: none"> <li>• Shoreline Management Plan</li> <li>• Flamborough Headland Heritage Coast</li> <li>• Filey Bay Environmental Statement (IECS)</li> <li>• Filey and the South</li> <li>• Planning proposals by Crownville Estates to redevelop the former Butlins holiday camp</li> <li>• East Coast Cycle Route Report</li> </ul>

Organisation	Name & Telephone	Response
	Mr M D Close (principal Valuer) Department of Technical Services 01723 232 464	There is currently a couple of BT easements that cross the beach at Filey (both connect into an easement culvert at the base of the Cargate Hill slipway). A further easement has been requested.
Scarborough Borough Council	Mr Dave Williams Forward Planning Section	<p>Three meetings held, extensive background information and input to the study provided. Additional documents provided:</p> <ul style="list-style-type: none"> <li>• Fact Sheets 1 (Economy), 5 (Population), 7 (Landscape) and 9 (Nature Conservation)</li> <li>• Scarborough Local Plan</li> </ul> <p>Various data on tourism and economic indicators to the region (including level 5 EU funding) provided.</p>
	Ray Williamson Economic Development Section	Detailed information on nature conservation importance. Site visit undertaken.
	Bob Missin Countryside Manager	
Scarborough Harbour Users' Association	Mr G B Hill 01723 870 419	Not able to provide much information for Filey Bay. Suggest contacting local fishing community in Filey and Filey Sailing Club.
Scarborough Inshore Fishermen's Association	Mr F G Normandale	No response
Scarborough Rowing Club	Mrs Moss 01723 371 123	No response
Seafish Industry Authority	M Jackin	No response
Sport England	Mieszek Konrad-Kosicki / Mr J A Copeland 0113 205 3308	Information relating to cycling, tourism and leisure is obtainable from Scarborough Borough Council's Leisure Services Department. Contact details for other consultees- Sustrans, The British Water Ski Federation, The British Canoe Union, and The Amateur Rowing Council.
Sustrans	Mr David Hall 0113 275 2800	Sustrans has completed a study for NYCC and SBC (East Coast Cycle Route Report). Local authorities are also developing a local cycle strategy- provided contact names at SBC and NYCC
University of Newcastle	Jon Mills	Survey data and digital photos available.

Organisation	Name & Telephone	Response
University of Hull	Mr N Cutts Institute of Estuarine and Coastal Studies 01482 465 667	Institute holds marine ecological information for Filey Bay and Flamborough Head area. Important issues include: <ul style="list-style-type: none"> <li>Any strategy should take into consideration and promote the sustainable development of Filey Bay and adjacent areas.</li> <li>Several intertidal and subtidal communities of interest in the bay.</li> <li>Some inshore areas valuable as spawning/nursery areas for fish species.</li> <li>Inshore waters are used by wintering flocks of seaduck, divers and auks.</li> <li>Area supports an internationally important seabird colony.</li> <li>Strategy should ensure that the ecology of the area is not detrimentally impacted.</li> </ul>
University of Hull, Scarborough campus	Dr Graham Scott (CERCI) 01723 362 392	Copied letter to a colleague (Dr Susan Hull), who works closely with interest groups in Filey (Filey branch of the Marine Conservation Society and the Filey Brigg Ornithological Group and Observatory). <ul style="list-style-type: none"> <li>Copy of a page from Wynne <i>et al.</i> (1995) Biodiversity Challenge (2<sup>nd</sup> edition). RSPB, Sandy.</li> </ul>
Lakeview Cottage Yorkshire Water	Mr Bernard Whitehead The Planning Liaison Manager	No response There are water mains in almost all roads along the coastal strip (details forwarded). Any work undertaken would have to take into account any hydrodynamic impacts upon dispersion from YW outfall and any CSOs in the area. This relates to impacts upon water quality, there are no fishery or shellfish obligations at this site. The same applies for sediment transport with regard to the integrity of the outfall. Main discharges via Filey long sea outfall, Filey short sea outfall and the Ravine Road Culvert have just been consented and can't have their consents altered within 4 years without YW permission. The study should assess if any deterioration would occur from what YW have provided should any works be planned that would affect dispersion.
Yorkshire Wildlife Trust	Karen Davies 01723 515 301	Telecon- Yorkshire Wildlife Trust only deals with SNCIs that it manages. There are two adjacent to the study area: Filey Dams (not coastal) and North Landing (near Flamborough Head). Details of both faxed through. RSPB warden at Bempton is Tony Charlton. Craig Thomas is contact for Filey Brigg Ornithological Group.
Yorkshire Tourist Board	Mr David Andrews	Agrees with proposed objectives
Yorkshire Museum	Paul Ensom	No response
East Riding of Yorkshire Council	Mr S Cook Planning and Development Manager	Acknowledgement card received. Response from Mr A Dawson.

Organisation	Name & Telephone	Response
	Mr S Sawyer Tourism Manager	No response
	Mr A Dawson Principal Coastal Officer 01482 884 440	<p>Letter contains information on car parks, boat trips, tourism, landscape and planning, with contact details for archaeology and nature conservation.</p> <p>Structure and Local Plans are available from the Forward Planning section (price list enclosed).</p> <p>Documents supplied:</p> <ul style="list-style-type: none"> <li>• Rights of Way map</li> <li>• Copy of tourism study carried out by Global Tourism Solutions (UK) Ltd</li> <li>• Heritage Coast Management Strategy</li> </ul>
	Adrian Dawson, Principal Coastal Officer 01482 887 700	<p>Documents purchased:</p> <ul style="list-style-type: none"> <li>• Joint Structure Plan for Kingston Upon Hull and the East Riding of Yorkshire</li> <li>• Humberside Structure Plan Explanatory Memorandum 1988</li> <li>• Humberside Structure Plan Alteration No. 1 Explanatory Memorandum 1991</li> <li>• Humberside Structure Plan (1993)</li> <li>• East Yorkshire Borough Wide Local Plan (1997)</li> </ul>
Flamborough Head Maritime Forum		No response
Yorkshire Naturalists' Union	The Administration Officer 01305 837 384	Any information supplied would have to be in the form of report charged at commercial rates. Published reports are available on birds (up to 1996 only) and killer whales, also reports of field meetings held in the area.

Table A2 Strategic Environmental Assessment (SEA) Documentation Sent to Consultees, Responses Received and Further Final Material Despatched.

Organisation	Contact Name	SEA Component Information Sent to Consultees	Comments	Final Documents Sent to Consultees			
				Consultation Summary	Executive Summary	Strategy Report	Technical Annex
ADAS	Mr G Kingston	Nothing sent	No response				
Association of Countryside Rangers		Nothing sent	No response				
Bempton Parish Council	Mrs A Robson	Summary objectives	No response	✓			
Bridlington & Flamborough Fishermens' Association	Mr G Travers	Summary objectives					
British Holiday & Home Park Association	Mrs D Brown	Nothing sent	No response				
British Sub-Aqua Club	Mr R L B Norgan	Nothing sent	No response				
British Water Ski Federation	Mr B Rook	Nothing sent	No club in area - limited interest				
Camping & Caravanning Club	Mr M A Cook	Nothing sent					
Cayton Parish Council	Mrs M Welsh	Summary objectives	No response				
Centre for Environment, Fisheries and Aquaculture (CEFAS)	Dr R S Millner	Nothing sent		✓			
CERCI	Dr Graham Scott	Summary objectives		✓			
Hitherstay	Mr M D Cocksrott	Summary objectives	No response	✓			
Council for the Protection of Rural England		Summary objectives	No response	✓			
Council for the Protection of Rural England	Mr Geoff Mackley	Summary objectives	No response				
Council for the Protection of Rural England		Summary objectives	No response				
Council for British Archaeology		Summary objectives	No response				

Organisation	Contact Name	SEA Component Information Sent to Consultees	Comments	Final Documents Sent to Consultees			
				Consultation Summary	Executive Summary	Strategy Report	Technical Annex
Country Landowners' Association	Mr I R Kibble	Summary objectives	No response				
Countryside Agency	Mr P Cookson	Summary objectives		✓			
Crown Estates Commissioners	Mrs J Gray	Full SEA		✓			
District Inspector of Fisheries	Mr B Meggett	Summary objectives					
Duchy of Lancaster	Mr J Bailey	Summary objectives	No response				
English Heritage	Mr Keith Emmerick	Full SEA		✓			
English Nature	Mr Kimmo Evans	Full SEA	Need to agree who to receive documents	✓	✓	✓	✓
Environment Agency	Mr I Cooke	Full SEA					
Environment Agency	Mr J Lancaster	Full SEA		✓	✓		
Filey Against Dredging	Chris Robinson	Summary objectives		✓			
Filey Brigg Ornithological Group	Mr HJ Whitehead	Summary objectives		✓			
Filey Town Council	Mr R Hartley	Full SEA		✓			
Filey Town Sailing Club	Mr P Crooks	Summary objectives	No response	✓			
Flamborough Head Sensitive Marine Area	Rachael Bayliss	Summary objectives	No response	✓			
Flamborough Parish Council	Mr Paul Burkinshaw, Clerk	Summary objectives		✓			
Flamborough Ornithological Group	Mr P Willerby	Summary objectives		✓			
Flat Cliffs Residents' Association	P Hinchliffe	Summary objectives		✓			
Forest Authority	Mr R Smith	Nothing sent	No response				

Organisation	Contact Name	SEA Component Information Sent to Consultees	Comments	Final Documents Sent to Consultees			
				Consultation Summary	Executive Summary	Strategy Report	Technical Annex
Gap Road Property Owners Association	Mr J Brightbart	Summary objectives		✓			
Geological Teaching Institution	Professor Reeves	Nothing sent	No response				
Gristhorpe and Leberston Group	Mrs P A Dobson	Nothing sent	No response				
H M Coastguards	Mr R M C Young	Summary objectives	No response				
Heritage Coast Project Office		Summary objectives	No response	✓			
Heritage Coast forum	Mr T Badman	Summary objectives	No response				
Old Oxenthorpe Hall	Mr & Mrs P Holland	Summary objectives	No response				
Humber Archaeology Partnership	Mr D Evans	Summary objectives		✓			
Hunmanby Parish Council	Mrs C Durbin	Summary objectives	No response	✓			
MAFF Land Use Planning Unit	Mr Frank Broughton	Nothing sent					
FRCA	Mr G B Tatman	Summary objectives					
Marine Conservation Society		Nothing sent	No response	✓			
Far Close	Mr W P Milner	Summary objectives	No response	✓			
Muston Parish Council	Mrs M Prentice	Summary objectives	No response	✓			
National Coastal and Estuarine Advisory Group	Mr V Robinson	Summary objectives					
Natural Environment Research Council		Summary objectives	No response				
National Farmers' Union	Mr D Collier	Summary objectives		✓			

Organisation	Contact Name	SEA Component Information Sent to Consultees	Comments	Final Documents Sent to Consultees			
				Consultation Summary	Executive Summary	Strategy Report	Technical Annex
National Federation of Fishermen's Organisations	Mr Barrie Deas	Summary objectives	No response				
National Trust	Mr Andrew McVety	Nothing sent		✓			
North East Sea Fisheries Committee	Mr D McCandless	Summary objectives		✓			
North East Static Trawlers Society	Mr D W Horsley	Nothing sent	No response				
North Yorks National Park		Nothing sent	No response				
North Yorkshire County Council	Kirsty Maddocks	Summary objectives	As key point of contact in Authority	✓	✓	✓	
North Yorkshire County Council	Ms L E Smith	Summary objectives		✓			
North Yorkshire County Council	Mrs S Stabler, Environmental Services	Summary objectives					
North Yorkshire County Council	Mr A Bainbridge, Recreation	Summary objectives		✓			
Proudman Oceanographic Laboratory	Mr J M Huthnance	Nothing sent					
Ramblers Association		Nothing sent	No response				
Reighton Parish Council	Mrs L Wilson	Summary objectives	No response	✓			
Residents of Humnaby Gap	Mr G Drake	Summary objectives	No response	✓			
Royal Commission on the Historical Monuments of England		Summary objectives	No response				
Royal National Lifeboat Institution Headquarters	Mr N S Pearce	Summary objectives	No response				

Organisation	Contact Name	SEA Component Information Sent to Consultees	Comments	Final Documents Sent to Consultees			
				Consultation Summary	Executive Summary	Strategy Report	Technical Annex
Royal Society for the Protection of Birds	Richard Archer	Summary objectives					
Royal Society for the Protection of Birds	Mr P Boyes	Full SEA					
Royal Society for the Protection of Birds	Mr T Chatton	Summary objectives		✓			
Royal Yachting Association		Nothing sent	No response				
Orchard Hill	Mr & Mrs D Runtou	Summary objectives		✓			
Rural Development Commission	Mr M Barningham	Summary objectives	No response				
Scarborough & District Canoe Club	Mrs S Mumford	Summary objectives					
Scarborough Borough Council	Mark Kibblewhite, Tourism and Leisure Services	Full SEA		✓			
	David Williams, Forward Planning	Summary objectives		✓			
	Mr John Riby, Department of Technical Services	Full SEA	As key point of contact in Authority	✓	✓	✓	✓
Scarborough Harbour Users' Association	Mr G B Hill	Nothing sent					
Scarborough Inshore Fishermen's Association	Mr F G Normandale	Summary objectives	No response				
Scarborough Rowing Club	Mrs Moss	Summary objectives	No response				
Seafish Industry Authority	M Jackin	Summary objectives	No response				
Sport England	Mr Mieszek Konrad-Kosicki	Nothing sent		✓			

Organisation	Contact Name	SEA Component Information Sent to Consultees	Comments	Final Documents Sent to Consultees			
				Consultation Summary	Executive Summary	Strategy Report	Technical Annex
Sustrans	Mr D Hall	Nothing Sent		✓			
University of Hull	Mr N Cutts	Summary objectives					
University of Newcastle	Mr Jon Mills	Summary objectives					
Lakeview Cottage	Mr Bernard Whitehead	Summary objectives	No response				
East Riding of Yorkshire Council	Mr A Dawson Principal Coastal Officer	Full SEA	As key point of contact in Authority	✓	✓	✓	✓
	Mr S Sawyer Tourism Manager	Full SEA					
	Mr S Cook Planning and Development Manager	Full SEA		✓			
Yorkshire Tourist Board	Mr David Andrews	Summary objectives		✓			
Yorkshire Museum	Paul Ensom	Nothing sent	No response				
Yorkshire Naturalists' Union	The Administration Officer	Summary objectives					
Yorkshire Water Services Ltd	Mr M Wimpenny	Summary objectives		✓			
Yorkshire Wildlife Trust	Ms Karen Davies	Summary objectives		✓			
Filey Sea Cadets	Mr E Temple	Nothing sent		✓			
DEFRA	Dr Andy Parsons	Full SEA		✓	✓	✓	✓

## **APPENDIX B**



Our ref YH181/2  
Your ref VV FBSS 25/044  
Date 12 February 2001



Mr Robert Harvey  
Environmental Scientist  
Halcrow Maritime  
Burderop Park  
Swindon  
Wiltshire SN4 0QD

HALCROW MARITIME		RJH
LOG No	11073	
RECEIVED	14 FEB 2001	
ACT. DATE		
ACT. BY		
FILE VV	FBSS	25

Yorkshire and The Humber Region  
4th Floor, Victoria Wharf  
No.4 The Embankment, Sovereign Street  
Leeds, LS1 4BA  
Telephone 0113 246 9222  
Fax 0113 246 0353

Dear Mr Harvey,

### COASTAL DEFENCE STRATEGY FOR FILEY BAY

Thank you for your letter of 19 January 2001 and the first stage report of the Filey Bay Coastal Defence Strategy Study.

On behalf of the Countryside Agency, I am happy with the proposed environmental and social objectives.

I am pleased that you have noted the importance of maintaining, and where appropriate enhancing, the landscape character of the Heritage Coast and preserving the integrity of the Cleveland Way National Trail. I note that you need to define mechanisms and responsibilities with regard this latter point, so have copied your report to the Cleveland Way National Trail Officer, Malcolm Hodgson.

I look forward to receiving the next stage of the Strategy.

yours sincerely

PHIL COOKSON  
Countryside Officer





NAME	762	PJTB
LOG No		
RECEIVED	11 FEB 2002	ECD
ACT. DATE		
ACT. BY		
FILE VV	FBSS 25	

Marine Estates  
16 Carlton House Terrace  
London SW1Y 5AH

Direct Line: 020 7210 4328  
Fax: 020 7839 7847  
Enquiries: 020 7210 4377

[emily.forsythe@crownestate.co.uk](mailto:emily.forsythe@crownestate.co.uk)

*please copy to*

*Caroline*

Mr P Barter  
Halcrow Group Limited  
Burderop Park  
Swindon  
Wiltshire  
SN4 0QD

Our Ref: EMF 04-00-01  
Your Ref: VV/FBSS/25/115

7<sup>th</sup> February 2002

Dear Mr Barter

### COASTAL DEFENCE STRATEGY PLAN FOR FILEY BAY

Thank you for your letter of the 28<sup>th</sup> November and I apologise for my delay in replying.

Having looked through the consultation document enclosed with your letter there are no comments I would like to make.

However, I presume in order to develop the plan you may need to carry out coast protection works and if any of the works are to affect the foreshore or the bed, Crown Estate interests may be effected and our consent required. Therefore, I would be grateful if you could keep me informed of any future developments.

I look forward to hearing from you.

Yours sincerely

**EMILY FORSYTHE**  
Marine Estates



# EAST RIDING

OF YORKSHIRE COUNCIL

County Hall Beverley East Riding of Yorkshire HU17 9BA Telephone 01482 884086 Facsimile 01482 884064  
Alan Menzies Head of Economic Development Tourism & Forward Planning

Mr. R. Harvey,  
Halcrow Maritime,  
Burderop Park,  
SWINDON,  
Wiltshire.  
SN4 0QD

Your Ref:  
Our Ref: AD/JR  
Enquiries to: Adrian Dawson  
Tel: Direct: (01482) 884440  
E-Mail: adrian.dawson@eastriding.gov.uk  
Date: 12th February, 2001

1049

FBSS / 25

Dear Robert,

**Re: Coastal Defence Strategy for Filey Bay**

Thank you for consulting me on the Strategic Environmental Assessment for the above. I have co-ordinated a response from my colleagues who you have also consulted.

Overall the document gives a clear summary of the environmental features of the coast and the environmental objectives seem clear and broadly welcome.

Specific comments are as follows:-

EA ✓  
RH ✓  
RH ✓  
RH ✓  
RH ✓

- Table 2.1 The table is unclear in that it is difficult to tell, at a glance, where exceedances occur.
- Para 2.5.1 The paragraph relating to bird species needs clarification. To say 'well developed vegetation of the slumping clay cliffs supports birds such as ...' seems to suggest that these species breed here. In reality they are mainly to be found on migration.
- Para 2.5.4(a) The term 'shorebirds' is usually used to describe wading birds etc. it is therefore confusing to call blackbird etc. shorebirds.
- Para 2.8.2 It may be worth noting that the Heritage Coast is seen as a major selling point to this Authority, especially in terms of the growing and increasingly economically important 'short break market'.
- Para 2.8.7 It might also be worth mentioning the proximity of Bridlington to the Heritage Coast and the fact that 1998 figures showed that an estimated £130,000 tourism spend was generated by the resort - one of the reasons for the continuing popularity of the resort is the proximity to the Headland.



INVESTOR IN PEOPLE

Darryl Stephenson Solicitor Chief Executive

It is right to stress the important role that the business and conference sectors play. However, it would certainly be worth mentioning the proposed Yorkshire Marina Project in Bridlington in this respect and the potential increase in this market sector that this would bring. Such a major development will have a significant affect on the local economy and the recreation usage of the surrounding areas.

RA. ✓

Para 2.10

As the presence of the Bempton Cliffs RSPB Reserve has been mentioned it would be useful to also mention that the Scarborough to Hull railway line serves Bempton.

RA. ✓

Para 2.11

The Flamborough Headland Heritage Coast Project commissioned Dr. Stephen Harrison, a landscape archaeologist, to produce a desk based assessment of the archaeological resource in the Heritage Coast area. This showed that an incredibly rich resource was present, a statistical analysis showed the following number of identified sites in the parishes within the Heritage Coast area.

RA. ✓

Period	Bempton	Flamborough	Sewerby	Speeton	Total
Prehistoric	44	45	27	37	153
Roman	3	14	10	7	34
Early med.	-	1	3	-	4
Medieval	18	41	24	6	89
Post-Med	41	40	34	6	121
Modern	7	12	4	7	30
Unknown	11	24	1	13	49
<b>Totals</b>	<b>124</b>	<b>177</b>	<b>103</b>	<b>76</b>	<b>480</b>

An Archaeology Working Group has been set up by the Heritage Coast Project to follow up this important research. The Group aims to protect the existing resource and educate and inform all sectors (visitors, landowners etc.) of its importance.

Table 4.1

Objective 11 is welcome in recognising the potential for visual intrusion in an area designated for landscape quality. It is not made clear, however, whether this objective refers to such construction within the boundaries of the Heritage Coast or includes the potential for intrusion from outside. The sweep of Filey Bay is of extremely high visual quality (notwithstanding the large Caravan Park at Reighton) from within the Heritage Coast and the cumulative affect of any major development in this area has the potential to significantly reduce the landscape quality of this area. It could also prejudice any potential Heritage Coast extension in the future.

RA ✓

NOTED BUT  
NO CHANGE  
NEEDED.

Objective 13 is of particular importance on an eroding coastline and its inclusion is welcome. The mechanisms for setback need to be firmly stated in Local Plans to enable this to be a realistic and potential option.

NOTED  
BUT ~~IT~~  
WE HAVE  
TO FOLLOW  
MAFF GUIDELINES

Objective 25: I have concerns over the wording of this objective. Obviously this follows the basic SMP objective. It has been a concern, however, that sustainability in its broadest sense is not taken fully into account (i.e. the full social and wider economic aspects are not taken into account in the current cost/benefit analysis) and this can under-value small settlements or tourism infrastructure in considerations of potential coastal protection schemes.

I hope that you find these comments constructive. Thank you once again for consulting me and I look forward to receiving future documentation as and when appropriate.

Yours sincerely,



Adrian Dawson  
Principal Sustainable Development Officer

Robert Harvey  
Halcrow Maritime  
Burderop Park  
Swindon  
Wilts. SN4 0QD

Your ref VV FBSS25/044  
Our ref TA 17 SR 1 G  
Date 15 February 2001

HALCROW MARITIME *RNH*  
1146

FBSS/25

PASSEL

Dear Robert

**RE: COASTAL DEFENCE STRATEGY FOR FILEY BAY**

Thank you for providing English Nature the opportunity to comment on and discuss the 'Filey Bay Coastal Defence Strategy Study- Strategic Environmental Assessment'.

The meeting on 13/02/01 with Bob Missin (SBC) and yourself was particularly useful and the following represent English Nature's comments on the above document.

- Although the timing may not be applicable to this document, the Countryside and Rights of Way Act 2000, enacted 30/01/01, now applies to Sites of Special Scientific Interest. Section 28G imposes a duty on "public bodies" in exercising their functions to take reasonable steps, consistent with the proper exercise of those functions, to further conservation and enhancement of the special features on a SSSI. This applies where the public body is exercising its statutory functions on a SSSI or on land outside the SSSI where those functions affect a SSSI. Section 28G authorities are defined in subsection (3) and include local authorities. *RA*
- Table 4.1 cSAC/SPA objectives (1,2) summarise Habitats Regulations procedures. However the specific targets should be rewritten to say "maintain existing area, distribution and quality of habitat.". This recognises that the conservation objectives for the internationally important interest features refer to the need to maintain habitats/species in favourable condition, subject to natural change. The targets in this table should not refer to the need to 'recreate' given the procedures that are in place for European sites. *RA*
- Table 4.1 SSSI objectives (3). Remove second sentence as the mechanisms for protecting SSSI do not allow for the provision of recreating habitats in the way prescribed for international sites. *RA*

//Continued.....

- Table 4.1 Characteristic habitats (5). In relation to BAP, the more recent document 'UK Biodiversity Group Tranche 2 Action Plans. Volume V- maritime species and habitats' (English Nature, 1999 ISBN 1 85716 467 9) should be used. 'Maritime cliff and slopes' and 'Littoral and sublittoral chalk' are priority habitats for which there are Habitat Action Plans in the afore-mentioned document. The specific targets should refer to these plans. ✓ RA
- Table 4.1 Land Use (25). Need to incorporate Government planning policy guidance or Structure/Local Plan policies which promote the need to avoid development in areas at risk of erosion or flooding. ✓ RA
- Table 4.2 Replace the word 'erosion' with '**natural processes**' where relevant, because erosion is one specific component of many different natural processes that affect coastal slopes and habitats. ✓ RA

I trust these comments are constructive and will be used to enhance the final document. If you require further clarification, please do not hesitate to contact me.

Yours sincerely



Kimmo Evans  
Project Officer (North & East Yorks)

cc Bob Missin (SBC)  
Chris Pater (English Nature, Peterborough)

Consultation Reply (by 15 May 2001)

Please return to:

Robert Harvey  
Halcrow  
Burderop Park  
Swindon  
Wiltshire  
SN4 0QD  
Tel: 01793 816434

HALCROW	KMC
LCR/3050	2/23
RECEIVED 02 MAY 2001	RH
ACT. BY	
FILE	FBSS/25

Organisation and Contact Details:

CHRIS ROBINSON

FILEY AGAINST DREDGING

9 HOPE ST

FILEY NORTH YORKS

YO14 9DG.

Please tick one of the following boxes:

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

I agree with the proposed environmental objectives

01723-512233

I have no comments to make on the proposed environmental objectives

I have the following comments to make on the environmental objectives  
(Please insert below, clearly identifying the numbered objective concerned)

RE UNIT 27/28

When you proceed next to technical measures, I propose you investigate the possibility of extending the sheet-pile piling along the front of 'Filey YATCH CLUB'. The current Piling have done the job for 50 years without undue damage but ~~to~~ now need replacing in order to protect the new facilities.

PTU



Report of Private Meeting held on 23<sup>rd</sup> October 2001 in respect of the Filey Bay Coastal Strategy Study

Present : Councillors Holden, Haxby, Cockerill, Murton, Crick, Mrs. Wright and Mrs. Coultas. Derek Rowell, Director of Technical Services, John Riby and Chris Matthews of Scarborough Borough Council. Peter Barker, Dr. Roger Moore and Emma Dawson of Halcrow Consulting Engineers.

Apologies : Councillors Crimlisk, Owen, Mrs. Viles, Mrs. Owen and Mrs. Newbury. Mrs. Prentice also apologised for the members of Reighton Parish Council who failed to attend.

Cllr. Holden welcomed everyone to the meeting and handed over to Derek Rowell who stated that the Consultants had been chosen nationally by DEFRA (formerly MAFF).

Mr. Peter Barker then gave members a presentation, supported by a booklet and information boards, which explained the findings together with the recommendations for the various areas. It was proposed to hold a public consultation process whereby the information boards etc. would be available in The Evron Centre for 3 months.

Mr. John Riby stated that the Town Council had received this pre-view prior to public consultation when comments would be fed back to the Borough Council when they considered adopting the strategy document. Any proposed work would be subject to further consultations with the Town Council and at 5-year reviews.

It was noted that there would be potential loss of golf club land on the cliff top. Cllr. Haxby commented that the existing sea wall was in bad repair in certain areas with cracks and the wall shaling. Whilst the document recommended the possible full rock armour protection to the toe of the seawall depending on findings of further studies, members felt that rock armour protection would not suit Filey Bay and would be unsafe for families as it would be used to climb on etc. and that an aesthetically pleasing solution was needed.

Mr. Riby stated that engineers reports on options available would be considered before applying for funding. Cllr. Haxby stated that a long term maintenance policy was needed. Mr. Riby further commented that rock armour reduced scour but they would find some other solution. He went on to state that a regular inspection and maintenance regime would be implemented

It was pointed out that sediment off the cliff was very important as it ground into sand which also reduced wave action and therefore it was necessary to let the cliffs continue to erode. The Borough Council would resist any removal of sand in Filey Bay. Cllr. Murton went on to comment on the removal of sand from Reighton for many years and that the beach had not recovered from that damage.

Cllr. Mrs. Coultas asked about the Sailing Club as they had just erected a new headquarters, she was informed that they had been told that their position was unsustainable and would need relocation during the strategy lifetime but they had chosen to continue in their present position. John Riby stated that they needed to effect a way to manage the coastline and that they would monitor and give advice.

Mr. Riby went on to discuss the Flat Cliffs area as this had a 30 year life with a risk to approx. 40 properties and the private access road. The Borough Council had had dialogue with the residents over many years but the area was not sustainable in the longer term. There was a need to look at an alternative access and they were to meet privately with the residents regarding this.

cont ....

Filey Bay Coastal Strategy Study (cont)

Cllr. Haxby enquired as to whether it would be possible to drain any sections north of the Yacht Club as there were a lot of undercutting of the grass. John Riby stated that there would not be much benefit in draining, they could only give warning and advice. Derek Rowell commented that whilst they had a duty of care, it was not always up to the Borough Council to tell people where they could or could not walk.

Cllr. Haxby enquired as to whether the Town Council could have copies of the aerial photographs used in the presentation both for the Archives and also for possible use as front cover for a future edition of the Filey Guide and was informed that whilst these were undertaken for DEFRA and were copyright, the Borough Council did have aerial photographs which could be supplied free of charge.

Members thanked the Borough Council Officers and members of Halcrow Consulting Engineers for their attendance and for a very informative presentation, they were congratulated on the Report document which was to be used as a living document in order to go forward.

Mrs. M. Prentice  
8<sup>th</sup> November 2001

Harvey, Robert

---

KISS 2A

From: McConnell, Kirsty  
Sent: 10 May 2001 11:58  
To: Harvey, Robert; Barter, Peter  
Subject: Filey Sea Cadets

I received a call from John Randerson on behalf of Filey Sea Cadets, regarding the proposed environmental objectives which they received. He queried whether there would be anything in the objectives that would conflict with SBC's decision to refuse planning permission for their proposed new building. I advised that this was unlikely due to coastal erosion / cliff instability making any such development unsustainable in the longer term. I also advised that the objectives had been developed with the approval of SBC so would be in keeping with their policy.

*Kirsty*  
☎ 6697

FILEY BAY COASTAL STRATEGY

FLAT CLIFF AND OTHER CLIFF TOP RESIDENTS

PRIVATE MEETING HELD AT THE EVRON CENTRE, FILEY

AT 11 AM ON FRIDAY, 15 FEBRUARY 2002

NOTES OF QUESTIONS/ISSUES RAISED

**Present:** Councillor G Allanson (GA) }  
Mr J Riby (JR) } Scarborough Borough Council  
Mr C Matthews (CM) }  
  
Dr R Moore (RM) } Halcrow  
Dr P Fish (PF) }

41 residents attended the meeting  
(See attached attendance sheet)

-----  
**Dr Moore gave a Powerpoint presentation giving the background to the strategy and focusing on the Flat Cliffs community problems and outcome of the site investigations undertaken.**

**Note:** Mr Robert Jordan, on behalf of the Flat Cliffs Residents Association, had submitted a written question prior to the meeting (attached).

**Q** There appears to be significant drainage problems, is any effort being made to reduce ground water levels, would this assist? Residents Association have commissioned their own independent civil engineer to look at ground water levels including any discharges from the Haven site plus broken pipes discharging water down the cliff face, plus surface water running down onto the private access road. What help will SBC give?

**RM** Improving the surface water drainage could help to maintain the present factor of safety against landslides, however, the only way to realistically increase the factor of safety would be to lower the natural ground water table. This would require very deep drainage. Shallow drainage would not increase the factor of safety.

**Q** Was SBC aware of the broken drainage pipes washing material onto the beach?

**JR** SBC Environmental Health undertook a survey of the Haven drainage system. This investigation looked at the positive drainage system but is believed not to have considered the land drainage system.

- Q** Will DEFRA grant aid land drainage?
- JR** SBC will raise this issue with DEFRA.
- Q** The residents have calculated the erosion rate at Flat Cliffs to be less than 8 inches per year since 1911. If this is the case would this extend the life expectancy of Flat Cliffs when compared to the erosion rates of 1 m to 2 m per year as quoted in the strategy?
- RM** Yes. Halcrow have estimated that Flat Cliffs may well be sustainable over a 30 year period assuming an average 1 m a year erosion rate. If the actual erosion rate is less then the life expectancy could be extended pro rata.
- Q** The residents are planning a further meeting and hope to arrange a meeting with YW and Haven. Has the monitoring identified in the Action Plan been undertaken?
- RM** Yes. Halcrow have taken the base readings on the inclinometers and piezometers and further ad hoc readings have been taken on the piezometers.
- JR** SBC will be applying to DEFRA to grant aid the monitoring once the strategy has been formerly adopted by the Council. In the meantime arrangements will be made to take further readings on the piezometers as ground water levels appear to be the key to the sustainability of Flat Cliffs.
- Q** As ground water levels appear to be a key issue the residents believe that it is critical that SBC assist in any negotiations with Haven. What sort of warning would be given assuming the monitoring plan is implemented?
- JR** As an example SBC have installed telemetry systems at sites elsewhere that trigger a telephone call. We will need to look at this in more detail to see what system would be appropriate for Flat Cliffs. There is a need to get the strategy adopted so that DEFRA assistance can be sought for a suitable monitoring regime.
- Q** If the access road goes what would the Council do to assist in maintaining our right of way?
- JR** This is something that needs to be explored with landowners with a view to agreeing a contingency plan should such an event occur.
- JR** Suggested to all those present that they should inform their insurers of any information they have received today that may affect their existing policies.

Woodlands  
Shadwell Lane  
Shadwell  
Leeds  
West Yorks LS17 8ES

From: R.A. Jordan  
Date: 6<sup>th</sup> February 2002

Tel: 0113 2665533

Dear Mr Matthews,

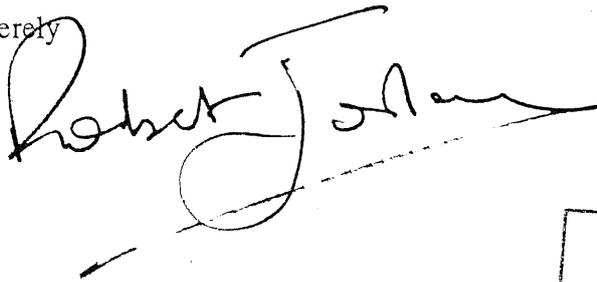
Filey Bay Coastal Strategy Study  
Public Consultation Flat Cliffs

I refer to our recent discussion about the forthcoming meeting on the 15<sup>th</sup> February 2002. As discussed I enclose a paper summarising the points I wish to raise. I appreciate that certain matters have been discussed but I know members of the Residents Association will be present who have not been a party to earlier discussions.

In view of the time available I thought it best to focus on what appear to be the main issues and to give you, Councillor Allanson and Dr Moore advance notice of these matters so that progress can be made.

As a result of Peter Hinchcliffe's illness I have been asked by the committee to lead the discussions. If you want to discuss anything prior to thre meeting please do not hesitate to get in touch.

Yours sincerely



TECHNICAL SERVICES DEPARTMENT	
11 Feb 2002 11/2	
..... DTS	1... JR
..... ADMIN	2... KC
✓..... HERS/EM	3... CJ
..... PLANNING	4.....
..... PROPERTY	5.....
..... WKB.MAN	6.....
REQ No .....	B20195
FILE No .....	
REPLY DAT	

R. JORDAN

## FLATT CLIFF

H What is the problem

H What has caused the problem

### **Erosion**

H How has the coastal erosion been calculated at 1 to 2 metres a year

H Would Dr Moore review his calculations based upon the erosion rates calculated by the Residents Association. In addition, can Dr Moore assess the impact of improved drainage

### **Drainage**

H/SBC Has account been taken of the surface water from the Haven site

SBC Has the surface drainage been monitored from the Haven site to see if it is effective

SBC Has the movement caused the drains to be damaged

SBC/H What is the effect of damaged drains causing water to pass through the clay which would otherwise pass through drains

SBC Is there sufficient surface drainage from the Haven site to prevent or minimise damage

### **Monitoring**

H Has the monitoring system produced any results and are the bore holes deep enough to tell if it is a rotational or surface slip

## **Duty of Council**

SBC What is the duty of the Local Authority and how does its duty arise

## **Other Landowners**

SBC/H Have the other affected Land Owners been consulted and what is their position i.e. Haven and YWA

## **Solutions**

H What are the possible solutions

H What is the recommended solution

SBC Does the Local Authority or YWA have powers to compulsorily purchase and or requisition an alternative access to the area

SBC What support can and or will the Local Authority give to alternate solutions

LC Will the Local Authority support other consultation and discussion

## **Emergency Works**

SBC In the event of a collapse of the road, what support will the Council give to the reinstatement of the existing road

# FILEY Bay COASTAL STRATEGY

11.00AM PRESENTATION AT EVRON CENTRE

## ATTENDANCE SHEET

<u>NAME</u>	<u>ADDRESS</u>	<u>TEL N<sup>o</sup></u> <u>IF REQ'D.</u>
Margaret Kerry	5 Flat Cliffs	0114 2305255
Ray Kerry	"	
Peter Kerry	"	
ANTHONY HENDERSON.	7	
BETTY	"	
A. E. EVE	9 FLAT CLIFFS	518322
E. A. EVE	"	Do.
R. A. JORDAN	12	
J. D. JORDAN	12	
MR C. WEBB	20	
A L HEATON	5 Lower Flat Cliffs	516625
Mr. M. Eed	4 Lower Flat Cliffs	01924 270865
MR J. Eed	"	"
MES. S. COOK	11 FLAT CLIFFS	01964 670711
me. B. COOK	" " "	01964 670711
Mrs M Ogley	10 Lower Flat Cliffs	01226 752671
Mrs S. E. White	" " " "	01226 754343
Miss L. J. White	" " " "	" "
Mr T. HARDING	34 FLAT CLIFF	01723 273253
MR T. MONKS	36 - FLAT CLIFFS.	01723 515370
MRS. F. MONKS	" "	" "
MRS. M. HARDING	34. FLAT CLIFFS	01723 273253
Mr & Mrs A. Gibson	6 LOWER FLAT CLIFFS	" 521737
Mr + Mrs T.A. LeGrove	11 south cliff drive	315942
100 Mrs. A. ...	- C. CLIFFS D.	

NAME

ADDRESS

TEL. No.

Mr & Mrs G. Nash

12. Flat Cliffs

01723 - 512729

Mr Mrs Kenworthy

1 how Flat Cliffs

01723 516055

" " T. Bland

8 " " "

" 516236

Mr " S. A. Fish

2 Lower Flat Cliffs

" 514415 or  
01142630288

" " A L Fish

" " " "

" "

Mr D. K. Hardwick

15 Flat Cliffs

01723 513044

Mr & Mrs P Dawson

18 Flat Cliffs

01723 378418

you Ref  
CSM/MBH/19/7/20/TWB 1990

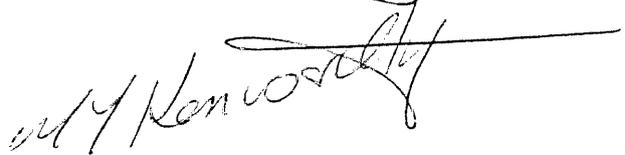
I LOWER FLAT CLIFFS  
PRIMROSE VALLEY  
FINELY  
4014 GRE

Dear Mr Matthews

Thankyou for the  
Filey Bay Coastal Study Report.  
We are shocked at the seriousness  
of the findings and, as permanent  
residents of lower Flat Cliffs, are  
concerned about its future.

We would appreciate  
a clearer picture of the measures  
Scarborough Council is proposing  
to take, is it a case of nature  
taking its course or is there something  
to be done to keep Flat Cliffs intact.

Yours sincerely



MR M KENWORTHY

TECHNICAL SERVICES DEPARTMENT	
118 DEC 2001 3/12/01	
..... DTS	1... <i>J.R.</i>
..... ADMIN	2... <i>NC</i>
✓ ..... <del>FINELY</del>	3... <i>CM</i> - <i>R</i> discuss.
..... PLANNING	4.....
..... PROPERTY	5.....
..... WORKMAN	6.....
REC No	..... B17317
FILE No	..... 10 19/7/20
REPLY DATE	..... 16/12/01

196150  
1 FLAT CLIFFS  
PRIMROSE VALLEY  
FILEY  
YO14 9 RD,  
NORTH YORKSHIRE

DEAR SIR

ME AND MY WIFE OUR VERY  
CONCERNED ABOUT WHAT IS GOING ON TO  
SAVE OUR HOUSE. I HAVE READ THE LEAFLET  
FILEY BAY COASTAL STRATEGY STUDY, THE  
ASKING RESIDENTS TO CONSIDER AN ALTERNATIVE  
ACCESS ROUTE, DOES NOT SOUND GOOD FOR US  
WE ASK THE QUESTIONS HOW LOW, HOW SAFE,  
WHAT IS GOING TO HAPPEN ARE YOU JUST GOING  
TO LET THE HOUSE FALL IN THE SEA. WE HAVE  
INVESTED OUR LIFE SAVINGS INTO THE HOUSE.

YOURS SINCERLY

J. Neville

DERRICK NEVILLE

20  
1 FLAT CLIFFS  
PRIMROSE VALLEY  
FILEY

NORTH YORKSHIRE  
YO14 9RD.

DEAR MR RIBY

WE WILL BE UNABLE TO ATTEND  
THE MEETING ON THE 15TH FEB DUE TO WORK.  
WE WOULD LIKE TO KNOW THE ACTUAL  
WORK YOU INTEND TO DO TO MAKE OUR HOME  
SAFER, PLUS WHAT OTHER WORK YOU ARE  
GOING TO DO AT FLAT CLIFFS.

YOURS SINCERELY

J. Neville

DERRICK NEVILLE

## FLAT CLIFFS RESIDENTS ASSOCIATION

Secretary: Mr P Hinchliffe  
Resthaven  
Flat Cliffs  
Primrose Valley  
Filey YO14 9RD  
Tel: 01723 512150

1 March 2002

Please reply to Mr P Hinchliffe

Mr J Riby  
Capital Strategy and Procurement Manager  
Technical Services Department  
Town Hall  
St Nicholas Street  
Scarborough  
YO11 2HG

Dear Mr Riby

On behalf of those residents who were present at the meeting on Friday, 15<sup>th</sup> February, I would like to thank you for organising the meeting.

I write to confirm that Flat Cliffs Residents Association wishes to support Scarborough District Council in its policy of "Limited Intervention" for the Flat Cliffs area. Obviously we would have preferred to support a "Hold the Line" policy.

Yours sincerely

*P.P. A.R. Hinchliffe*

MR P HINCHLIFFE

## FLAT CLIFFS RESIDENTS ASSOCIATION

Secretary: Mr P Hinchliffe  
Resthaven  
Flat Cliffs  
Primrose Valley  
Filey YO14 9RD  
Tel: 01723 512150

1 March 2002

Please reply to Mr P Hinchliffe

Mr J Riby  
Capital Strategy and Procurement Manager  
Technical Services Department  
Town Hall  
St Nicholas Street  
Scarborough  
YO11 2HG

Dear Mr Riby

This letter is being sent to you together with a letter of today's date confirming our support of the "Limited Intervention" policy.

As a side letter we wish to raise the following:-

- 1) As indicated at the meeting on 15 February 2002, we have various forms of evidence showing that erosion at the present time is substantially less than 2m at this area of the cliffs. We therefore look forward to further meetings with Dr R Moore, as discussed at the meeting.
- 2) We have a preliminary structural engineer's report indicating that surface water run off and lack of drainage is a factor at Flat Cliffs, particularly at the road area. We should be grateful if you would investigate whether DEFRA funding would be available to carry out surface water drainage works, and also investigate the position with regard to Bourne Leisure and their contribution to the excess surface water.

We feel that it is vital that ground water levels should be reduced as much as possible.

- 3) You stated intentions to monitor the existing rapid response monitoring units and to install automatic response warning monitors. Presumably these will be installed and/or read more frequently once DEFRA funding is available.
- 4) Obviously the question of an alternative access is the key issue. We have already contacted Yorkshire Water Authority on the matter and no doubt you will be liaising with them also.
- 5) Whether or not access through land owned by Bourne Leisure Ltd., would be envisaged, will of course not be apparent for some time.

As a Residents Association we would be grateful for any assistance you are able to give us regarding alternative access, be it through the old Butlins site or Bourne Leisure.

We look forward to hearing from you in due course.

Yours sincerely

*P.P. A.R. Hinchcliffe*

MR P HINCHLIFFE

COPI

'WHITEPOINT'  
12 UPPER FLAT CLIFFS  
PRIMROSE VALLEY  
FILEY YO14 9RD.

Chief Executive  
Sunderby B.C.

01/23 512729  
1/11/01

Dear Sir, You may be aware of an article that appeared in the 'Sunday Times' dated Oct. 28 2001 headlined 'Britain beats retreat from eroded coast' (page 24) — a copy is enclosed for your reference.

The paragraph that has been attributed to me is outlined. The comment regarding 36 houses being abandoned to the sea and references to the Council have been falsely made up to appear sensational. I did have a conversation with a press representative from Darlington who did not fully inform me of the whole article. My so-called comments are completely erroneous.

I have informed several representatives of the TV and press that the whole article, where I have been misquoted, is not true.

I trust that your staff will accept that this has been one more example of today's so-called 'spin'.

Yours faithfully,  
George Nash

GEORGE NASH

All fall down: some sea defences are to be abandoned

# Britain beats retreat from eroded coast

SUNDAY TIMES 28/10/01

Tom Robbins  
and John Elliott

HUNDREDS of acres of Britain's coastline are to be abandoned to the sea, according to officials who have decided it is no longer practical to defend them against erosion and flooding.

Trials of a new policy known as "managed retreat" are under way, reversing a long-standing tradition of defending the country's coastline.

In some cases, existing sea defences are to be left to crumble because maintaining them is too expensive. In others, sea walls are being breached to create new wildlife habitats and effectively prevent further uncontrolled flooding.

Officials believe that rising sea levels, produced as a result of climate change, will accelerate coastal erosion and make defending the coastline increasingly difficult. Along some stretches of the English coastline, sea levels are increasing by 6 millimetres a year.

The Environment Agency (EA) already spends more than £310m a year on flood defences, and increased erosion will push costs to prohibitive levels in some areas.

"The concept of realigning defences and letting land flood is a new concept," said Elliot Morley, the minister responsible for flooding and coastal defences. "There are only a handful of schemes that have been introduced in the country so far, but a number of sites have been earmarked."

Under "managed retreat" or "realignment" schemes, a mound of earth is built up inland to create a new line of defence. The sea wall is then breached, allowing water to flood the area up to the new defences.

In one such scheme, at Thorgumbald on the Humber estuary, about 200 acres are scheduled to be deliberately flooded. The scheme is designed to create a new area of salt marsh, which is a valuable habitat for birds and other wildlife. Low-lying

salt marsh areas also absorb up to 98% of the energy of waves and so prevent further erosion. Existing flood defences protecting the area are scheduled to be breached within the next two years.

Similar schemes are being implemented at Freiston Shore in the Wash, where 160 acres of land will be flooded, and at Abbots Hall farm near Colchester, Essex, where 200 acres of farmland will be given over to salt marsh.

"Where it is not economically sustainable to defend a wall then realignment is often a sensible way ahead, and happily it is often compatible with wildlife and conservation initiatives," said Jane Rawson, a coastal engineer for the EA.

Local authorities are now being asked to produce updated shoreline management plans to decide how much land should be given over to retreats, and how much should be defended. The plans will be in part based on FutureCoast, a research project that used helicopters to film the entire British coast.

Experts estimate that 0.25% of the coastline of England and Wales is earmarked for realignment, but this will increase to between 2% and 3% by 2010.

However, any decision to carry out a managed retreat will be controversial. At Thorgumbald, Freiston Shore and Abbots Hall, the land scheduled for flooding has been bought by the EA or wildlife charities keen to create new habitats, but in other cases landowners will not be compensated.

At Flatcliffe, in Filey Bay, near Scarborough, 36 houses are being abandoned to the sea as the local council has decided to let nature take its course. But 76-year-old George Nash, who has lived on the cliff tops for 16 years, feels the council has abandoned residents.

"It makes me angry that they don't seem to be concerned about the village here — they only seem to care about the bigger populations," he said. "It is still a community."

Additional reporting: Jane Mulkerrins

Seabrooft B.C.  
Dept. Tech Series.

FILEY, N. Yorks  
YO14 9RD.

21/12/01

For the attention of Mr C. J. Matthews.

FILEY BAY COASTAL STRATEGY STUDY.

Thank you for your letter reference CUM/EM TLEB16015 19/7/20 dated 18 Nov. 2001. The pamphlet illustrating the summary of the Coastal proposals has been well produced & is very explanatory to the layman.

I am principally interested in the proposals in the area (29 B) Flat Cliffs and am grateful for the opportunity to comment.

Although great emphasis has been placed on the erosive action of the sea and its effect on the cliffs I would comment as follows:-

- ① I am of the opinion that water seeping from the LAND in the form of natural springs, rainwater is the prime cause of land movement adjacent to the beach.
- ② Because the land is principally Boulder Clay it is prone to slippage when wet.
- ③ My garden has subsided over 5 ft. in the last 10 years and any more movement will affect the only access road to the rest of Flat Cliffs.
- ④ This movement is probably caused by a segment of land rotating on a slip plane with the 'toe' breaking through on the beach. Some 10 years ago the sewer pipe on the beach to Filey actually broke and was repaired at the time.
- ⑤ It is likely to happen again if water is allowed to run unchoked into Flat Cliffs from the holiday camp above and inadequate drainage from properties above. Regular flooding of the road and properties occurs every time it rains heavily.
- ⑥ These problems were outlined and discussed at a meeting at my house with S.B.C., M.A.A.F. and our M.P. Mr J. Greenwood some years ago and no doubt S.B.C. will have a copy of the minutes. So far nothing has been done to relieve the problem.

- ⑦ The proposal in the Study that Flat Cliffs have an alternative road is commendable but does not relieve the causes. Proper drainage from the Camp and probably 50 yds of rock at low on the beach would stop any movement. It is interesting that photos and postcards of Flat Cliffs in about 1925 show the road as it is today. I have copies.
- ⑧ The survey pamphlet does not mention that Yorkshire Water have a pumping station at the South end and needs to be serviced from the road in Flat Cliffs.

I hope that these comments have contributed in some way to confirm or modify the proposals outlined in the Survey. Please feel free to contact me if there is any further help I can give.

Jan Limerly,  
George V. Nash.



# Humber Archaeology Partnership

a partnership serving  
The East Riding of Yorkshire Council  
Kingston Upon Hull City Council

## SITES AND MONUMENTS RECORD

Kirsty McConnell  
Halcrow Maritime  
Burderop Park  
SWINDON  
Wilts.  
SN4 0QD

**Our Ref.** SMR/DHE/P5/60  
**Your Ref.** VV FBSS 71/78  
**Enquiries** Dave Evans

**Date** 3rd May 2001

3174

~~KMC~~  
~~PW~~  
~~RVA~~

FBSS/25

Dear Ms McConnell,

### Re: Coastal Defence Strategy for Filey Bay: summary of interim report for the first stage Strategic Environmental Assessment

Thank you for your letter of 19th April, and for the enclosed summary of the interim report of the first stage SEA for Filey Bay.

On a general point, please note that since you commissioned a SMR search last August, there has been a detailed desk-based assessment completed for the Flamborough Headland (commissioned by the Flamborough Heritage Coast steering group), and that this has significantly increased the amount of data and recognition events for this area. A copy of this document was passed to the Humber SMR in November, but we have not yet added all these new data to the Record.

If I may now turn to the SEA, Regarding the section on Cultural Heritage:

1. We support Objective 21, regarding the protection of scheduled ancient monuments; and Objective 24 re Listed Buildings and Conservation Areas.
2. As regards Objectives 22 and 23, I take it that these apply solely to terrestrial sites, as there is no mention of protected Wreck sites, or of anything which suggests that these objectives extend into the sub-tidal zone. If I can refer you back to the issues identified in your Information Requirements cited in Mrs A. Atkinson's letter of 9th August 2000, wrecks were clearly under consideration then. I think that it would be helpful to set out a new Objective, dealing solely with the sub-tidal Historic Environment - be that submerged forest, wrecks, or buried landscapes. A cursory glance at our records show that in the waters extending northwards from South Landing round to Speeton Cliffs, there are 76 named shipwrecks; as the majority of these relate to boats listed in *Lloyd's Shipping Registers* as being lost in the last 200 years, you could also probably add several hundred earlier wrecks to this total.... and then there are all of those lying even further to the north. Any Strategic Environmental Assessment for the bay should include policies not only managing the terrestrial resource, but also for the protection and promotion of the marine resource.
3. We would support Objective 22, but it might be helpful to expand this slightly:  
'Provide mitigation in the form of excavation, *survey* and recording.....'.  
to make it clear that recording might include earthwork survey or geophysical survey - not simply

---

The Old School, Northumberland Avenue, Kingston upon Hull, HU2 0LN  
Tel: (01482) 217466, Fax: (01482) 581897, E Mail: [dave.evans@hullcc.gov.uk](mailto:dave.evans@hullcc.gov.uk)  
<http://www.hullcc.gov.uk/archaeology>  
Partnership Manager: D. H. Evans

excavation.

4. We are pleased to see the inclusion of Objective 23, as a means for addressing previously unrecorded archaeology, but would like to see this strengthened by the inclusion of walk-over survey of the coastal strip. Comparatively little active fieldwork has taken place in some parts of the coastal zone for this area, and a preliminary walk-over survey is likely to significantly increase the number of known archaeological sites.

-----

We trust that you find these comments constructive, supportive and useful.

Yours sincerely,

*Dave Evans*

D.H. Evans  
Archaeology Manager

# Hunmanby Parish Council



Community Centre  
35 Stonegate  
Hunmanby  
Filey YO14 0NS

Telephone: 01723 891479

Clerk: ~~Mrs Catherine Durbin~~

8<sup>th</sup> February, 2002

Mr. Peter Barter,  
Project Manager,  
HALCROW Group Ltd.,  
Burderop Park,  
SWINDON,  
Wiltshire SN4 ODQ

Dear Mr. Barter,

**Re: Coastal Defence Strategy Plan for Filey Bay**

Many thanks for your letter of 28<sup>th</sup> November and the enclosed copy of the Consultation Summary of the above. This matter has now been discussed by the members of the Parish Council who are appreciative of the work undertaken to date, and the proposals thereon.

However, there is one matter which has caused concern and that is on page 4 of the document, under Management Unit 28B : Filey Town. Members expressed a cautionary note over the proposal to place rock protection at the end of the seawall. They feel that this could cause a safety problem with children playing in this area of high tourist and visitor use. Inquisitive young minds often wish to clamber amongst the rocks at the seaside, even at high tide, and this could be a safety risk if small feet and legs get caught between the rocks.

The Council members have asked me to bring this concern to your attention.

Yours sincerely,

W.E. Taylor  
Clerk/Financial Officer

HALCROW MARITIME	PLB
LOG No	780
RECEIVED	12 FEB 2002
FILE	FBS 25

*ELO*  
*wjg*  
*Peers*

Clerk of the Committee  
Darryl Stephenson, Solicitor  
County Hall, Beverley  
East Riding of Yorkshire. HU17 9BA

Chief Fishery Officer  
Paul Smith  
Town Hall, Bridlington  
East Riding of Yorkshire. YO16 4LP

Robert Harvey  
Halcrow  
Burderop Park  
Swindon  
Wiltshire  
SN4 0QD



All enquiries should be directed to:  
D/CFO David McCandless BSc. MSc.

Tel: 01482 393691  
Fax: 01482 393699  
E.Mail: david.mccandless@eastriding.gov.uk  
Web Site www.neseafish.gov.uk  
Your ref:

Our ref: nesfc/ Fileybay  
07/05/01

LOG No	3223	RWH
RECEIVED	10 MAY 2001	
ACT. DATE		
ACT. BY		
FILE	FBSS 28	

Dear Mr Harvey,

RE: Filey Bay Strategy Study – Strategic Environmental Assessment – Interim Report

Thank you for your letter dated the 19<sup>th</sup> of April and the enclosed report. Unfortunately Tim Dapling has left the Committee for pastures new and I have recently been appointed into his position. You can contact me at the above address or on **07778 625 724**.

As you will be aware, North Eastern Sea Fisheries Committee is a statutory body with a District stretching from the River Tyne, in the North, to a point South of the Humber Estuary, known as Donna Nook. Filey Bay is an important fishing area within this District.

Regarding the report and the environmental objectives, I would like to make the following points:

In general I agree with the proposed objectives. From a fisheries point of view objectives 19 and 20, providing for the maintenance of launching facilities and the protection of fish and shellfish stocks are key. As I pointed out before, Filey Bay supports important edible crab and lobster fisheries and significant seasonal finfish fisheries. At certain times of the year fishing activity takes place very close to the shoreline, particularly in management units 27 and 31. Regarding management unit 27, perhaps, "Avoid interference with inshore fishing activity", should be included under proposed objectives with the resulting implication being, "Potential conflict with objective 20".

If you wish to discuss, further, any of the points made in this response you can contact, either the Chief Fishery Officer or myself at the above address.

Yours Sincerely,

David McCandless  
Deputy Chief Fishery Officer



for birds  
for people  
for ever

Mr John Riley  
Scarborough Borough Council  
Town Hall  
St Nicholas Street  
Scarborough  
Yo11 2HG

North of England Regional Office  
4 Benton Terrace  
Sandyford Rd  
Newcastle upon Tyne NE2 1QU  
Tel: 0191 281 3366  
Fax: 0191 212 0622  
www.rspb.org.uk

21 February 2002

Dear Mr Riley

**Filey Bay Coastal Strategy Study**

Thank you for consulting the RSPB on the Filey Bay coastal strategy. For your records, I have replaced Richard Archer as Conservation officer for the area and the Bempton site manger is Trevor Charlton.

The RSPB has no major comments on the strategy. We support the limited and no intervention policies proposed for the majority of the coast outside of Filey Town. Conservation interests down the East coast of England, including Special Protection Areas in the Humber and the Wash, are reliant on sediment released from soft cliffs like those in Filey Bay. Hydrodynamic modelling work for the Bay should make links to more broad scale modelling of sediment movements to ensure that decisions made at Filey does not adversely affect more distant areas of conservation value.

Yours sincerely

Nicola Melville  
Conservation officer - North Yorkshire and Humber Area

Cc: Trevor Charlton - RSPB Bempton Reserve Manager

TECHNICAL SERVICES  
DEPARTMENT

23 FEB 2002

..... DTS	.....
..... ADPFI	2.....
✓ ..... HEDLOW	2.....
..... PLANNING	4.....
..... PROPERTY	5.....
..... VOLUNTEER	5.....

REG No 20932

FILE No .....

REPLY DATE .....

*Handwritten initials: JR, NR, CJ*

*Handwritten date: 25/2/02*

Our Ref:





Halcrow Martime  
Burderop Park  
Swindon  
Wiltshire  
SN4 0QD

Broadacre House  
Vicar Lane  
Bradford  
BD1 5PZ

Tel: (01274) 691111  
Fax: (01274) 374563

Your Ref: VV FBSS 11/002  
Our Ref: A004284

For telephone enquiries ring:  
Emma Forester on (01274) 374465

16th January 2001

Dear Sir/Madam,

**Filey Bay (From Filey to Flamborough Head) - Coastal Defence Strategy Study**

Observations on this consultation are as follows:

**Water Supply**

There are no planning issues. There are water mains in almost all the roads along this coastal strip - The mains records are enclosed.

**Waste Water**

The sewer records are enclosed.

Any work undertaken after the study would have to take into account any hydrodynamic impacts upon dispersion from our outfall & any Combined Sewage Outfalls in the area & hence an agreement would be needed to model those impacts for approval by Yorkshire Water Services & probably the Environment Agency (on the basis that the Environment Agency need to confirm that additional investment will not be required). This relates to impacts upon water quality (bathing waters). There are currently no fishery or shellfish obligations at this site.

The same applies for sediment transport with regard to the integrity of the outfall etc, should any potential changes be raised.

The main discharges via Filey long sea outfall, Filey short sea outfall & the Ravine Road Culvert have just been consented & hence cannot have their consents altered within 4 years without our permission. The study should assess if any deterioration would occur from what we have already provided should they plan any works such as break waters etc which could affect dispersion.

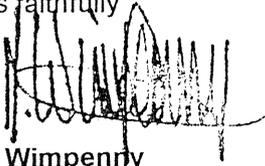
522  
ADH  
KJJC  
PJS  
Implications on  
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this

FBSS 675

Drops need to be booked in.

Enquiries regarding Consent Licensing can be made through the Company's licensing team namely Tony Astin & Katherine Handford who can be contacted on: 01274 691111.

Yours faithfully

A handwritten signature in black ink, appearing to read 'M. Wimpenny', written over a horizontal line.

**Mike Wimpenny**  
**Planning Enquiry Manager**



Mr J Riby  
Director of Technical Services  
Scarborough Borough Council  
Town Hall  
St. Nicholas Street  
Scarborough  
YO11 2HG

Land and Planning  
Yorkshire Water Services Ltd  
P.O Box 500  
Western House  
Western way  
Bradford  
BD6 2LZ

Tel: (01274) 691111  
Fax: (01274) 692643  
For telephone enquiries ring:  
Emma Forester on (01274) 692655

Your Ref: VV FBSS/25/115  
Our Ref: A004284

20th February 2002

Dear Sir/Madam,

**Filey Bay (From Filey to Flamborough Head) - Coastal Defence Strategy Study**

Thank you for your letter regarding the above study and for giving Yorkshire Water Services Ltd (YWS) an opportunity to comment on the strategy options.

During the preparation stages of the coastal strategy YWS provided information and comments on our infrastructure that I trust have been taken into consideration when identifying the preferred options. I have no comments at this stage regarding a preferred option but would like to be kept informed of progress on the coastal defence strategy and look forward to future consultation.

In the mean time, if there are any specific issues that need addressing or information you require please let me know what these are.

Yours faithfully

Stephanie Walden  
Environmental Planning Manager

TECHNICAL SERVICES DEPARTMENT	
28 FEB 2002	
..... DTS	1. JR
..... ADMIN	2. KE
✓ ..... HEALTH	2. CJ
..... PLANNING	4. [initials]
..... PROPERTY	5. ....
..... VERMAN	6. ....
REG No	21140
FILE No	.....
REPLY DATE	.....



**FILEY BAY COASTAL STRATEGY**

**PUBLIC CONSULTATION MEETING HELD**

**AT THE EVRON CENTRE, FILEY**

**AT 1 PM ON FRIDAY, 15 FEBRUARY 2002**

**NOTES OF QUESTIONS/ISSUES RAISED**

**Present:** Councillor G Allanson (GA) }  
Mr J Riby (JR) } Scarborough Borough Council  
Mr C Matthews (CM) }  
  
Dr R Moore (RM) } Halcrow  
Dr P Fish }

10 members of the public attended  
(Note: Only 5 signed the attendance sheet)

---

**JR** gave a Powerpoint presentation on the outputs on the Strategy. Display boards and consultation leaflets were available in the room for visitors to read.

**Q** Major problem with cliff slips appears to be a lack of drainage. Could the planting of trees and bushes help to stabilise the cliffs? Has SBC considered this?

**JR** Yes. Trees and shrubs can help to stabilise superficial ground movement at shallow depths. The cliff slips, however, tend to be more deep seated therefore the planting of trees and shrubs would be of little benefit.

**RM** Agreed with JR response. Water is a key "driver" of coastal erosion in Filey. Climate change with increased rain will no doubt increase landslip activity.

**Q** The movement and loss of cliff appears to come from the top rather than the toe. Is there no way of improving the drainage to prevent this?

**RM** Explained the different cliff behaviour systems, simple cliffs, composite cliffs, simple landslides and composite landslide. The erosion at the top of the cliff is generally the result of movement which is not always apparent, at the base of the cliff.

/Continued ....

- Q** In hot summers the boulder clay cracks which is then followed by rain entering the crack which subsequently leads to a slip.
- RM** Confirmed, but went on to reiterate the main problem is more deep seated and that the natural ground water table can play a more significant role than rain water entering cracks at the top of the cliff.
- Q** Gabions, are they suitable to use in the transition between hard manmade defences and the natural soft defences?
- JR** Rock armour offers the most appropriate solution. The voids between the rocks help to dissipate wave energy and is far more effective than gabions which support ground but allow water behind to escape.
- Q** How long will the access road to Flat Cliffs last?
- JR** We do not know at this stage. We have to liaise with the residents and investigate further.
- Q** Can Filey Against Dredging be assured there will be no more dredging?
- JR** It has been established that the sediment supply is important to the wellbeing of the Bay.
- GA** SBC has a policy to oppose any dredging in the Bay, however, this does not guarantee that dredging will not be carried out at a future date.
- RM** Confirmed that in his opinion based upon the findings of the study that any dredging of material would be damaging to the beaches at Filey.
- Q** The sheet piles next to the sailing club have corroded leaving holes for the sea to get in. Erosion is now taking place behind the sheet piles, can something be done as this holds up the public path?
- JR** The strategy recommends that existing defences within this management unit are not sustainable. As part of the Strategy, we may have to re-route the public path, however, SBC will look into the matter. Any maintenance works would have to be from SBC's own budgets as it will not be coast protection but merely footpath works.

/Continued ....

- Q** A report prepared by Hull University suggested that there is a substantial amount of sediment movement out of the Bay around Flamborough Head. Can someone comment on the report?
- RM** Hull University suggested that approximately 10,000 m<sup>3</sup> of sediment passed around Flamborough Head. Halcrow have not attempted to quantify this but have estimated that the sediment derived from the cliffs within the Bay could be between 5,000 m<sup>3</sup> and 20,000 m<sup>3</sup> per year.
- Q** With regard to the sediment derived from the cliffs. Is this not the fine material that is kept in suspension rather than the coarse material which is deposited on the beaches?
- RM** Although the cliffs look as they predominately consist of clay, samples taken by Halcrow indicate that 60% of the till material is sandy material which would form beach material.
- Q** How much material comes from outside the Bay around Flamborough Head for example?
- RM** Some 90% of the beach material is derived locally.
- GA** Thanked everyone for coming and for showing an interest in the work being carried out by SBC. He welcomed any further comments in writing.

Frey Bay Coastal Strategy

1.00pm Presentation of EYROW CANNE

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