

B3.7 Stakeholder responses

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
1		Coastal path Gribbon Head to Polkerris V close to cliff edge		Porthpean to Duporth concern about houses as "do nothing"			Form 1		
2	Flushing floods regularly at high spring tides	Cliff between Flushing & Mylor lost about 1 acre over last century	Owns most between Sailors Creek & Mylor Dock		Retreat	Interested to hear updates of sea level rise forecast to assist planning	Form 2		Add to stakeholder list
3	Carlyon Bay beaches subject to severe flooding	some cliff erosion at Carlyon Bay			Carlyonbaywatch - Development to be restricted to original footprint [brownfield]	Development's sea wall constructed in the wrong place [advancing the line against Halcrow advice {SMP1?}] it also cuts off public foot path. Carlyonbaywatch has evidence of highly volatile nature of beach. [some included with form]	Form 3		Add to Stakeholder list Also Terry Beer Resident of Carlyon Bay watch photos
4	Pentewan	Between Duporth & Charlestown		Pentewan & Charlestown should be maintained sensitively to maintain coastal footpath.		Pentewan should be protected. Coastal areas should be maintained for wildlife and conservation whilst ensuring coastpath is maintained.	Form 4		

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
5	Pentewan	Loss of stone pier on Pentewan beach could impact on village & car park				Right of access on Coastal path should be left as is provide access almost everywhere but keep walkers to defined paths protecting habitat	Form 5		
6	Crinnis & Shorthorn beaches at Carlyon bay flooded by waves 2004 Pentewan village within last 5 years	Cliff between Carlyon Bay & Duporth & footpath. Footpath lost at Spit beach near Par		Cliff between Par & Duporth vulnerably so could benefit. Par beach Pentewan		Coastal footpath public assets should be swiftly re-routed in sight of the coast if lost to erosion, on private land if necessary. Par should be "saved" if in danger of disappearing Carlyon beach unusable due to developer.	Form 6		
7	Road flooding Port Mellon	Downderry housing on the cliff edge		Against development at Carlyon Bay			Form 7		
8	Carlyon Beaches flood & erode especially since development	Rock fall at Carlyon bay SSSI[geological]		Carlyon Bay * Par need preservation	Wish to see free access to coastal zones & preserve coastal heritage	Building on beaches not good policy nor is building in flood plains. Responsible authorities have responsibility [duty] to preserve the coastline which is a national asset	Form 8		
9		Praa Sands - sand dune: Praa Green Village Green 621 receding - frontage slipping		Praa		Provided further information re Praa Sands & Praa Green + has old photos of area	Form 9 & comment in book		VG 621 adjacent to rock aromur provided in 1997. Marram grass planted 83&91?

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
									Dune dropping onto beach will need remedial action in future
10					South West Coastal Path Association wish coastal path as close to coast as possible.	Where managed retreat proposed should include suitable rolled back CP line. Environment adjacent to CP should be as good as possible	Form 10	247	
11	Cape Cornwall & Penberth suffered damage approx 10 years ago	Godrevy: Cape Cornwall cliff slipped & buried fisherman's huts	National Trust	Many Archaeological sites near coast under threat	Generally one of managed retreat		Form 11	400	
12	Flooding & overtopping parts St Ives during high tides		,v c	Harbour structures need to be included in the review	Protection of beaches, harbour & harbourside property vital to St Ives.		Form 12		
13		Oates Road Marazion - Cliff erosion caused by broken surface water pipe				Main sewer near eroding cliff face. Rock armour would help properties & policy 4? should be extended 30 feet east to protect properties	Form 13		
14		rd slippage of 3-5 metres in last few months	Blue Horizon Fore St Marazion			Need to extend protection to properties & sewerage system	Form 14	408	

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
15	Gillan Creek: Gillan, Flushing & St Anthony & hamlet of Carne at head of creek.	Cliffs at Lestowder The "hera" at Gillan cove Cliffs along south side of Helford river	Parts of Carne	The "Hera" low lying land with salt water ingress behind beach at Gillan Beach		Lived at location 50 years considers tidal flooding WORSE in the past & takes High tide + wind direction + low pressure + heavy rain to produce today what was the norm previously. The bridge at Carne restricting flood water + high kerbs raises floodwaters.	Form 15		
16	Seaward side of Monab Rd Penzance & Tolcame Area Newlyn flood with high tides, heavy rain also inundation of waves across promenade	Marazion marsh area & shingle lowered in from old promenade wall Penzance		wildlife habitats & archaeological sites along whole of the Penwith coastline especially low lying bronze age site nr Godrevy			Form 16	226 & 400	
17	Hayle to Godrevy: nothing recent but historic	Hayle to Godrevy - due to sand removal in Hayle estuary		Estuaries with housing developments at low level	Yield to nature		Form 17		
18		Mounts Bay cliffs : Porthleven Harbour				Rain is a major contribution to cliff erosion vegetation provides a low cost reduction to this type of erosion. Lack of	Form 18		

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
						maintenance at Porthleven harbour wall has resulted it being in a parlous state & when it disintegrates will have dire results on coastline.			
19						Coastal protection should be provided to the remainder of Downderry if required only stopped previously as insufficient cost/benefit	Verbal to PJS [at St Austell mtg]		
20				Concern over sea defences at Penzance prom & shoreline		Opportunities for aesthetic enhancements via sea change funding. Concerned as told no flood/storm defence money.	Comment in book		
21				Bridleways should be treated the same as footpaths & "rolled back" when lost to erosion			Comment in book		
22		Par Sands slight erosion on west side East side much worse					Comment to PJS		

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
23						Coastal access should be maintained [rolled back] or improved not stopped by private landowners if original route eroded. Coast path should be on the coast not inland	Comment to PJS		
	ISLES OF SCILLY								
1	Old Town St Mary's	Widespread areas along coastal path		Sea defences impact on sand redistribution care needed as beaches are major tourist attraction	Community sustainability Planning of development areas	Concern on impacts of sea level rise on water supply. Concern on increased storm activity & severity having impact on erosion of coast & agriculture due to soil removal	Form 101		Add to stakeholder list
2	Trench Lane [lower moors] Old Town St Mary's	Bar Point St Mary's				The Strand St Mary's development concern over poor rubble fill behind existing sea wall	Form 102		Councillor Produced HES Report 2003R031 from CCC archaeological unit. WT to provide copy to HUK
3	Hugh Town & Porthcressa	Porthcressa & Old Town				Long term viability as Hugh town & harbour area built on sand bar need to consider relocation now as could eventually become 3	Form 103		

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
						separate islands			
4	Old Town Porthcressa Porth Hellick	Old Town Adjacent to the old church		Porth Hellick shingle bank only protection for main water catchments Higher Moors	Protection of water supply catchments areas Higher & Lowe Moors	St Agnes Need continued protection & maintenance of coast protection scheme at Periglis [water catchment] Bryher Protection of works at popplestones & Great Porth	Form 104		Retired Chief Engineer of IOS
5	Water Damage some 5 years ago at Old Town due to exceptional wind & tide	Eastern end of Porthcressa several feet in 40 years Also The Ram Quarry - Deep point	Property in Church Street				Form 105		
6		Porth Hellick beached 1962/3 1989/90 & 2007?	Bar Point Area but all areas eroding even granite +soft areas of ram			All areas are sensitive Note Storm conditions, pressure & weather stats were recorded at local coastguard tower & Tranoweth research station	Form 106		
7						No evidence of sea level rise during his time as HM of IoS [15 years] Tide data collected by Proudman labs	Comment to PJS		Should be returning comments form re Looe harbour

No	Flood Risk	Erosion Risk	Land Ownership	Sites with special concern	Objectives	Other Comments	Information Source	Stakeholder Number	Additional Comments
8						Provided map showing coastal defences of isles	email		email from KDay@scilly.gov.uk

B3.8 High Level Objectives for the SMP

1. To support the essential diverse character of the landscape & seascape of Cornwall and the Isles of Scilly
2. To allow natural evolution of the shoreline wherever possible
3. To minimise impacts upon the historic environment, without unduly preventing natural coastal processes
4. To support existing nature conservation values and minimise impacts upon habitats, while allowing adaptive response to natural change
5. To support the viability and core values of coastal settlements, in a manner consistent with the Government's sustainable development principles
6. To support diversification of tourism and recreational opportunities
7. To support the adaptation and resilience of regional and county wide transport links
8. To manage the risks to communities from flooding and support their adaptation and development of resilience
9. To manage the risks to communities from erosion and support their adaptation
10. To establish a long-term action plan which helps to minimise and reduce the reliance on defences in the future

B3.9 Example presentation

Cornwall & Isles of Scilly Shoreline Management Plan Review

Justin Ridgwell

Presentation to Stakeholder Engagement Events (task 3.4) November to December 2009

Confirm preferred policies

thinking in all dimensions

Programme – key stages

»SMP Review commenced	January 2009
»Stage 1 - Collection of information & data	Jan – March 2009
»Stage 2 – Technical Studies	March – July 2009
»1 st Round Stakeholder Engagement	April – May 2009
»Stage 3 – Policy Development	July – Dec 2009
»2 nd Round Stakeholder Engagement	Nov – Dec 2009
»Produce Draft SMP	Dec – Jan 2009 / 2010
»Gain Approval in Principle	Jan 2010
»Stage 4 – Public Examination	Feb – May 2010
»Stage 5 – Finalise SMP	May – July 2010

thinking in all dimensions

Why are we reviewing SMPs?

- Availability of new local strategies and plans
- Data available from coastal monitoring programmes & initiatives
- Improved understanding of sea level rise
- Wider community awareness of climate change
- Political emphasis on longer-term planning

thinking in all dimensions

Stage 1

Two key tasks:

Collation of all key information:

- Physical data
- New technical studies and reports
- Management plans
- Regional and local planning strategies

Meetings held with key organisations:

- All ex-districts of the Council
- English Heritage
- Natural England
- National Trust

thinking in all dimensions

Stage 2 – Technical Studies

Study of coastal processes – key points

- Few alongshore links – most coves and bays are self contained in terms of sand & sediment
- The majority of the coastline is resistant to excessive erosion
- The open coastline is almost exclusively wave dominated
- Much of the north coast is sediment rich
- Many of the dune areas have suffered erosion
- Risk of coastal squeeze where hard cliffs or manmade defences exist behind beaches

thinking in all dimensions

Coast protection & sea defences

Where are the defences - how do they influence coastal evolution?

thinking in all dimensions

Studies – Theme Review

- Landscape value and designations of AONB and Heritage Coast extremely important
- Important character and history of many coastal communities
- High value of coastal and estuarine habitats and biodiversity
- Varied and unique nature of the historic environment
- Huge amenity value of beaches to tourism and recreation

thinking in all dimensions

Stage 2 Studies – baseline scenarios

- Many areas of hard geology will undergo less than 5m erosion over 100 years
- There are some significant areas of soft geology at much greater risk
- The beaches and dunes are highly mobile and will respond in different ways to sea level rise
- Significant flood risk areas exist mostly adjacent to the lower lying estuaries

thinking in all dimensions

Baseline scenario mapping

thinking in all dimensions

Baseline scenarios – erosion hotspots

- Downderry
- Par
- Coverack
- Church Cove and Gunwalloe
- Porthleven cliffs
- Praa Sands
- Marazion
- Penzance
- Porth Cressa
- Hayle Harbour

thinking in all dimensions

Baseline scenarios – flood risk hotspots

- Looe
- Lostwithiel
- Par
- Mevagissey
- Flushing & Penryn
- Marazion Marsh
- St Mary's
- Wadebridge

thinking in all dimensions

Baseline scenarios – the wave dominated coast

- Porthleven
- St Mary's
- St Agnes
- Perranporth
- Mullion

thinking in all dimensions

Stage 3 – policy development

- Review existing policy from the first SMP
- Identify how different policy options can meet the high level objectives
- Develop a 'preferred plan' to manage the shoreline over the next 100 years
- Identify which policy options are appropriate within each epoch to deliver the preferred plan at the local level

thinking in all dimensions

Stage 3 – policy development

'High Level Objectives'

- To support the landscape & seascape
- To allow natural evolution of the shoreline wherever possible
- To minimise impacts upon the historic environment
- To support nature conservation & minimise impacts upon habitats
- To support the viability of coastal settlements, consistent with sustainable development principles
- To support tourism and recreational opportunities
- To support the adaptation and resilience of transport links
- To manage risks to communities from flooding
- To manage the risks to communities from erosion
- To minimise reliance on defences in the future

thinking in all dimensions

Environmental Assessment

- Assess effects of the proposed policies on the natural environment, including protected species, designated habitats and sites of special scientific interest.

Two elements:

- Strategic Environmental Assessment (SEA)
- Appropriate Assessment (AA)

thinking in all dimensions

Policy Development Zones

Policy Development Zone (PDZ)

- PDZ1 Ramen Head to Pencarrow Head
- PDZ2 Fowey Estuary (Pencarrow Head to Crabb's Head)
- PDZ3 Carbis Head to Black Head
- PDZ4 Black Head to Zennor Point
- PDZ5 Zennor Point to Beere Point
- PDZ6 Beere Point to Beak Head
- PDZ7 Beak Head (Guanzowen) to Marazion
- PDZ8 Marazion to Port Spinnaker (includes Marazion & St Michael's Mount)
- PDZ9 Port Spinnaker to Gonyer Point
- PDZ10 Gonyer Point to Gonyer Point
- PDZ11 Gonyer Point West to Trevelgue Head
- PDZ12 Trevelgue Head to Shidder Point
- PDZ13 Shidder Point to Penryn Point
- PDZ14 Penryn Point to Penryn Point (includes Carver's Estate)
- PDZ15 Penryn Point to Wilson's Mouth
- PDZ16 Wilson's Mouth to Lower Sheep Nose Point
- PDZ17 Lower Sheep Nose Point to Hartland Point

PDZ (Isles of Scilly)

thinking in all dimensions

Policy Development Zones 1 & 2

thinking in all dimensions

Areas to consider PDZ 1&2

Undefended cliffs - AONB and heritage coast designations

Key communities:

- Portwrinkle
- Millendreath
- Downderry Seaton

thinking in all dimensions



Proposed policy

This is the first time Stakeholders can comment on proposed policies....the final opportunity will be during the public consultation period (February to May 2010).

PDZ1 Proposed Policy

Location reference: **Rame Head to Downderry**
 Management Area reference: **MA01**
 Policy Development Zone: **PDZ1**

PREFERRED POLICY TO IMPLEMENT PLAN:

From present day (0-20 years)	NAI for natural hard cliff coastline and beaches, HTL at Portennisle
Medium term (20-50 years)	NAI for natural hard cliff coastline and beaches, HTL at Portennisle
Long term (50-100 years)	NAI for hard cliff coastline, MR at Portennisle

SUMMARY OF SPECIFIC POLICIES

Policy Unit	2025	2055	2105	Comment
1.1 Undeveloped cliffs and beaches	NAI	NAI	NAI	Meets objectives for SSSIs, ACNB and Heritage Coast and protect heritage interests and community but manage erosion to sustainably functioning coastline in the longer-term. Meets objectives to manage risk, reduce reliance on defences and return to naturally functioning coastline.
1.2 Portennisle	HTL	HTL	MR	

Key: HTL - Hold the Line, A - Advance the Line, NAI - No Active Intervention
 MR - Managed Realignment

PDZ1 Proposed Policy

Location reference: **Downderry and Seaton**
 Management Area reference: **MA02**
 Policy Development Zone: **PDZ1**

PREFERRED POLICY TO IMPLEMENT PLAN:

From present day (0-20 years)	Manage erosion risks at Seaton and Downderry west through continued coast protection, allow natural slower erosion at Downderry east of Beach Hill. Monitor erosion rates / beach levels.
Medium term (20-50 years)	Manage erosion risks at Seaton and Downderry west through continued coast protection, allow natural slower erosion at Downderry east of Beach Hill. Monitor erosion rates / beach levels. Develop strategy for epoch 3.
Long term (50-100 years)	Resign at Seaton and Downderry west to ease coastal squeeze pressure on harbours, allow continued natural erosion rate at Downderry east of Beach Hill.

SUMMARY OF SPECIFIC POLICIES

Policy Unit	2025	2055	2105	Comment
2.1 Downderry East	NAI	NAI	NAI	Slower natural rate of active erosion
2.2 Downderry West & Seaton	HTL	HTL	MR	
2.3 Seaton Beach	HTL	HTL	MR	

Key: HTL - Hold the Line, A - Advance the Line, NAI - No Active Intervention
 MR - Managed Realignment

PDZ1 Proposed Policy

Location reference: **Seaton to Pencarrow Head**
 Management Area reference: **MA03**
 Policy Development Zone: **PDZ1**

PREFERRED POLICY TO IMPLEMENT PLAN:

From present day (0-20 years)	NAI for undeveloped cliffs and upper rivers, HTL at Ploidy, Looe, Hamforve and Polruan.
Medium term (20-50 years)	NAI for undeveloped cliffs and upper rivers, HTL at Looe, Hamforve and Polruan. Allow possible consolidation of ATL at Looe to allow different technical solutions to be assessed.
Long term (50-100 years)	NAI for undeveloped cliffs and upper rivers, continue to HTL at Looe, Ploidy and Polruan.

SUMMARY OF SPECIFIC POLICIES

Policy Unit	2025	2055	2105	Comment
3.1 Undeveloped cliffs and beaches	NAI	NAI	NAI	Meets objectives of Heritage Coast, ACNB and SSSI designations.
3.2 Polruan	NAI	NAI	NAI	Limited food and access risk. Continue to monitor.
3.3 Ploidy	HTL	NAI	NAI	Possible study required in Epoch 1 regarding cliff stability.
3.4 East and West Looe	HTL	HTL	HTL	Undertake further study to identify potential solutions to alleviate increasing flooding.
3.5 Upper Estuary (East and West Looe Rivers)	NAI	NAI	NAI	Not previously considered in SMP. Meet objectives relating to natural processes. Limited infrastructure at risk from flooding. Estates need to road properly and SSSI Coast Path.
3.6 Hamforve	HTL	HTL	HTL	
3.7 Tillyard	NAI	NAI	NAI	No intervention necessary.
3.8 Polperro	HTL	HTL	HTL	Limited scope for any realignment. Recent improvements to SSSI.

Key: HTL - Hold the Line, A - Advance the Line, NAI - No Active Intervention
 MR - Managed Realignment

PDZ 2 Proposed Policy

Location reference: **Pencarrow Head to Gribbin Head**
 Management Area reference: **MA04**
 Policy Development Zone: **PDZ2**

PREFERRED POLICY TO IMPLEMENT PLAN:

From present day (0-20 years)	rTL at Fowey & Polruan. Maintain standard of protection to upper estuary settlements, NAI along open coast undeveloped cliffs and coves.
Medium term (20-50 years)	rTL at Fowey & Polruan. Maintain standard of protection to upper estuary settlements, NAI along open coast undeveloped cliffs and coves.
Long term (50-100 years)	rTL at Fowey & Polruan. Maintain standard of protection to upper estuary settlements, NAI along open coast undeveloped cliffs and coves.

SUMMARY OF SPECIFIC POLICIES

Policy Unit	2025	2055	2105	Comment
4.1 Undeveloped cliffs	NAI	NAI	NAI	Meet ACNB, Heritage Coast and SSSI objectives. Meet tourism objectives. Accept erosion at Polkirkmouth.
4.2 Polruan	HTL	HTL	HTL	Meet socio-economic and historic objectives.
4.3 Fowey	HTL	HTL	HTL	Meet socio-economic and historic objectives.
4.4 Readymanney Cove	HTL	HTL	HTL	Meet socio-economic and historic objectives.

Key: HTL - Hold the Line, A - Advance the Line, NAI - No Active Intervention
 MR - Managed Realignment

PDZ 2 Proposed Policy

Location reference: Fowey Estuary (above Mixtow) including tributaries
Management Area reference: MA05
Policy Development Zone: PDZ2

PREFERRED POLICY TO IMPLEMENT PLAN:
From present day (0-20 years) No active intervention across the wider estuary with hold the line policy used selectively at settlements to maintain current standards of defence where necessary.
Medium term (20-50 years) No active intervention across the wider estuary with hold the line policy used selectively at settlements to maintain current standards of defence where necessary. Selective use of MR at Lostwithiel to facilitate habitat creation.
Long term (50-100 years) No active intervention across the wider estuary with hold the line policy used selectively at settlements to maintain current standards of defence where necessary. Selective use of MR at Lostwithiel to facilitate habitat creation.

SUMMARY OF SPECIFIC POLICIES		Policy Plan			Comment
Policy Unit		2025	2055	2105	
5.1	Undefended intertidal areas	NAI	NAI	NAI	Retain natural and unspoilt characteristics. Some possible impacts on historic environment. Maintain flood risk at current levels.
5.2	Larnyn	HTL	HTL	HTL	
5.3	Golant	NAI	NAI	NAI	Allows for maintenance of the railway embankment as defacto defence.
5.4	Lostwithiel	HTL	HTL/ MR	HTL/ MR	Majority of town protected, some MR possible in southern approaches to Lostwithiel.

Key: HTL - Hold the Line, A - Advance the Line, NAI - No Active Intervention
 MR - Managed Realignment

Final outcomes from the SMP Review

- Identification of all features at risk now and in the future
- Consideration of all the issues raised by public and stakeholders – Public Consultation during February and May 2010, with stakeholder events planned.
- Agreement of new policies for management of flood and erosion risks
- A fully reviewed SMP in place by July 2010

Cornwall & Isles of Scilly Shoreline Management Plan Review

Justin Ridgwell

Thank you for your time
Any questions please...

P

B3.10 Invite letter and Stakeholder Event round 2 locations

Cornwall and Isles of Scilly Coastal Advisory Group (C SCAG)

Dear Stakeholder

Cornwall and Isles of Scilly Shoreline Management Plan Review (SMP2) **Invitation to Attend Next Round of Stakeholder Consultation Events** **November - December 2009**

Thank you for registering with us as a stakeholder on this shoreline management plan review. I am pleased to advise you that, further to the consultation events staged during April and May of this year, you are now invited to attend the next round of these events, which will take place at 9 different venues during November and December.

The purpose of these events will be to provide stakeholders with the following information:

- **A brief overview of Shoreline Management Plans**
- **An update on progress with the Cornwall and Isles of Scilly SMP2**
- **Introduction of proposed preferred policies and feedback**

These events are specifically designed to provide information and obtain your views, so that final preferred policies can be shaped and formulated. Following this, the SMP2 will then go out to full public consultation, commencing February/March 2010.

The attached list and calendar of events shows where the nearest event will be held for your area. Whilst each event will aim to deal with matters locally, if you are unable to make the date for your area, you are still most welcome to attend any of the other events and ask questions about your area to the representatives in attendance.

At each of the venues, the format will be to hold a “drop in session” from 4.00 to 7.00 pm, during which formal Presentations on the above topics will be given by representatives between 6.00 to 6.30 pm.

For further information, I would refer you to the Stakeholder section of the Advisory Group's website www.ciscag.org, where the following documents have been posted as the Review has progressed:

- **Stakeholder Engagement Strategy**
- **Programme**
- **Progress Updates**
- **High Level Objectives**
- **Policy Development Zone Boundaries**
- **List/Calendar of Forthcoming Stakeholder Events**