6 Action Plan

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6. Action Plan

6.1 Introduction

This chapter provides an Action Plan for the Isle of Wight SMP.

This Action Plan is a very important element of the SMP, and particularly for the Isle of Wight SMP. The plan has identified that there are a number of important uncertainties and that we need to improve our understanding to support firmer policy decisions in the next SMP and beyond.

As outlined in chapter 1 the intent is to continue the partnership approach through which we have developed this SMP, including stakeholders, officers and elected members and linked to the existing coastal group. Ongoing progress meetings can actively monitor and drive the progress of the Action Plan. This will enable an ongoing process of shoreline management in the coming years, in the run-up to the next SMP in five to ten years time.

The Action Plan summarises all the specific actions that are needed to implement the plan and the policies. This includes actions by the Environment Agency and the Isle of Wight Council to develop flood and erosion risk management strategies and schemes. It also includes actions for the linked authorities, for example to incorporate the plan into the land use planning system or support adaptation of affected people, businesses and organisations.

As indicated in chapter 1, implementing SMP policies will depend on funding being available. This is not only the case for building and maintaining flood defences, but also for all the other actions needed to implement the plan. This funding may be available from the national flood and coastal erosion risk management budget, but it could also come from other national sources or from local and/or third-party funding.

6.2 SMP-wide Actions

Action Reference	Works Required	Responsibility	Priority	Target Start Date (-Target Completion Date)	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[1]
0.1	Implementation of SMP policies and actions through continuation of CSG and EM involvement.	Operating Authorities	High	2011 - 2015	Short Term Action		O
0.2	Continue consultation with key stakeholders and general public in the period post adoption of SMP2; (progress the action plan; convey messages around flood and erosion risk, potential coastal change and maintain the stakeholder engagement list).	Operating Authorities	High	2011 - 2015	Short Term Action		O
0.3	Ensure that local and regional development and planning documents take account of SMP policies and flood and erosion risks. Link to IWC LDF Planning Policy and planned Flood Risk and Vulnerable Coastal Communities SPD which will set out the Council's approach to Coastal Change Management Areas (CCMAs).	Isle of Wight Council	High	2011 - 2015	Short Term Action		O
0.4	Development, monitoring and review of emergency response plans to prepare for extreme events that exceed standard.	Local Authority and Local Resilience Forums	High	2010	Short Term Action		O

[1] N = not yet commenced, O = ongoing, C = complete.

Action Reference	Works Required	Responsibility	Priority	Target Start Date (-Target Completion Date)	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[1]
0.5	Continue with improvements to flood risk maps and inundation modelling to provide improved flood warning service.	Environment Agency	Medium	2011 - 2015	Short Term Action		O
0.6	Upgrade/update of Rapid Coastal Zone Assessment Survey (RCZSA) (including detailed deskbased assessment of heritage assets at risk, to be prioritised for mitigation).	English Heritage	Medium	To inform Strategies and SMP3	Short Term Study		N
0.7	Review requirements for the Strategic Regional Coastal Monitoring Programme based on policies and additional information requirements identified to improve understanding for SMP3, including in particular cliff top positions and intertidal habitats in certain locations (habitat mapping programme).	Isle of Wight Council	High	2011	Short Term Monitoring		O
0.8	Periodically (every two years) review requirements for the Strategic Regional Coastal Monitoring Programme based on analysis of data collected	Isle of Wight Council	High	2013	Medium Term Action		O
0.9	Carry out Strategic Regional Coastal Monitoring Programme (linked to above)	Strategic Regional Coastal Monitoring Programme on behalf of Southern Coastal Group	High	2011	Short Term Action		O

Action Reference	Works Required	Responsibility	Priority	Target Start Date (-Target Completion Date)	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[1]
0.10	Continued management of defences in line with SMP policies.	Operating Authorities	High	2011	Short Term Action		O
0.11	Support the RHCP by providing information from the SMP and engaging with third parties on the island	Natural England, Environment Agency, Local Authority	Medium	2011	Short Term Action		O
0.12	A review of all HER data to ensure that it has correctly captured the important issues for consideration during scheme development. Additional information for the Strategies will be assessed, especially for Managed Realignment schemes and areas that will have No Active Intervention.	English Heritage and Isle of Wight Council	Medium	to inform Strategy Studies	Medium Term Study		N
0.13	Regionwide sediment transport studies to fill gaps and uncertainties identified in SMP2 (in particular Ryde Sands) in partnership with SMPs for North Solent and Poole and Christchurch	Southern Coastal Group	High	2012	Medium Term Study		N
0.14	Investigate the requirement of joint funding (including public & private funding) in certain areas with a view to gain additional funding in line with the SMP recommendations	Southern Coastal Group	High	2010	Medium Term Study		N

Action Reference	Works Required	Responsibility	Priority	Target Start Date (-Target Completion Date)	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[1]
0.15	Regionwide wave climate risk studies to identify impacts of bimodal wave period conditions on design risk of all structures and beach systems; to include assessment of overtopping and breach potential. Based on uncertainties identified in SMP2 and SCOPAC studies, in partnership with SMPs for North Solent and Poole and Christchurch	Coastal Monitoring Programme on behalf of the Southern Coastal Group	Medium	2011	Short Term Action		N
0.16	Review the distinction and links between landslip and erosion	Environment Agency (National)	High	Inform Strategies	Short Term Action		N
0.17	Informing the key stakeholders and public of the implications and realistic outcomes from the SMP policies.	Isle of Wight Council	High	2011	Short Term Action		O
0.18	Review boundaries of the West Wight Coastal Defence Strategy arising from the new SMP - Consider inclusion of the Medina Estuary & Newport Harbour. Complete the Strategy. Lead issues are coastal flooding at Yarmouth, Cowes and East Cowes	Operating Authorities	High	2011	Short Term Action		Restart and completion required
0.19	Complete Sandown Undercliff Coastal Defence Strategy Study. Lead issues are cliff erosion and beach levels in Sandown Bay and potential landslide reactivation in Ventnor	Operating Authorities	High	2012	Medium Term Action		Restart and completion required

Action Reference	Works Required	Responsibility	Priority	Target Start Date (-Target Completion Date)	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[1]
0.20	Ensure that any subsequent strategies, schemes and projects consider the mitigation measures listed in the South East River Basin Management Plan Programme of Measures (refer to Tables 4 and 5 of Appendix J)	Isle of Wight Council / Environment Agency	High	From adoption of the SMP	Long Term Action		N
0.21	Need to secure compensatory habitat for 30.9 hectares of coastal grazing marsh for the Solent and Southampton Water Ramsar site through the Southern Regional Habitat Creation Programme	Environment Agency (Isle of Wight Council)	High	ASAP: Habitat needs to be created by the end of 2025 when MR policy will be actioned for the second epoch.	Short Term Action		N
0.22	Consider the plan findings in respect of the outputs of UKCP09, in accordance with national guidance when available	Isle of Wight Council / Environment Agency	Medium	To inform future Strategies and Schemes	To be determined by national guidance		N
0.23	Review and extend the Action Plan in accordance with national guidance	Southern Coastal Group / Isle of Wight Council / Environment Agency	High	2011	Short Term Action		N
0.24	Discuss implications of the SMP and Strategy policies for beach levels and amenities (and resulting public and private beach management as required) with the Beach Environment Advisory Committee (BEAC).	Isle of Wight Council	Medium	2011 onwards	Medium Term Action		N

6.3 Actions for PDZ1 to PDZ7

PDZ1 Cowes and the Medina Estuary

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[2]
1.1	Production of Scheme to deliver HTL policy along Cowes and East Cowes in future epochs (this could include areas of managed realignment). This would follow the West Wight Strategy.	Environment Agency	High	2015	Short Term Action		N
1.2	Continue / increase monitoring of saltmarsh and mudflat areas along the Medina Estuary. This needs to inform understanding of the intertidal areas' flood defence function, the sustainability of the earth embankments, and its habitat function. To be integrated with Regional Habitat Creation Programme.	Environment Agency, Natural England	High	Start ASAP	Short Term Action		N
1.3	Further studies to investigate transfer to No Active Intervention at Gurnard Luck: the viability of the policy; future morphology of the Gurnard Luck; the feasibility of regulated tidal exchange; flood risk of undertaking NAI; define the standard,	Isle of Wight Council/Environment Agency	High	Linked to West Wight Strategy Study	Short Term Action		N

[2] N = not yet commenced, O = ongoing, C = complete.

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[2]
	and prepare a management plan for maintaining the sluices. Assessed as being a feasible site in the Isle of Wight Mitigation Strategy (Atkins, 2006).						
1.4	Research opportunities/implications for habitat creation within Dodnor Creek adjoining the Medina Estuary.	Natural England	Medium	ASAP	Short Term Action		N

PDZ2 Ryde and North-east Coastline

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[3]
2.1	Develop multi-agency Advisory Note for Wootton Creek (with the Isle of Wight Council, Natural England, Environment Agency and local representatives) to assist landowners in managing their private frontages.	Isle of Wight Council, Natural England, Environment Agency	High	2010/2011	Short Term Action		N
2.2	Develop collaborative approach to achieve HTL policy for Epochs 2 and 3 along the Ryde frontage.	Isle of Wight Council, Environment Agency.	Low	2020	Medium Term Study		N
2.3	Seek funding for study on erosion impacts at Fishbourne	Isle of Wight Council	High	2011	Short Term Action		N
2.4	Further studies to investigate Managed Realignment at the Old Mill Pond: i.e. the viability of the policy; future morphology of the pond; the feasibility of regulated tidal exchange and intertidal habitat creation; exact saline consequences on Briddlesford Copse SAC of undertaking managed realignment; define the standard and prepare a management plan for maintaining the sluices.	Natural England / Environment Agency	High	ASAP	Short Term Action		O
2.5	When new defences or maintenance works are	Isle of Wight Council /	Medium	When existing defences need maintenance	Medium Term Action		O

[3] N = not yet commenced, O = ongoing, C = complete.

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[3]
	required at Nettlestone Point ensure that these are created out of rocky material to provide colonisation opportunities for rocky shore communities with sea level rise	Environment Agency					

PDZ3 Bembridge and Sandown Bay

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[4]
3.1	Implement maintenance plans to St Helen's Duver in line with the Eastern Yar Strategy	Isle of Wight Council	High	2011	Short Term Action		N
3.2	Develop a Beach Management Plan for Sandown Bay.	Operating Authorities	High	Linked to the completion of the Strategy Study (action 0.19)	Short Term Action		N
3.3	Commission study to look at the joint tidal and fluvial risk at Culver Parade and how that is managed to deliver the HTL policy in the near future, or through potential realignment and habitat recreation in longer term planning.	Natural England	Medium	2020	Medium Term Study		N

[4] N = not yet commenced, O = ongoing, C = complete.

PDZ4 Ventnor and the Undercliff

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[5]
4.1	Develop strategy/business case for funding for defence scheme at Ventnor.	Isle of Wight Council	Medium	2015	Medium Term Study		N
4.2	Communication strategy for coastal adaptation at Castlehaven.	Isle of Wight Council	Medium	To inform SMP3	Medium Term Study		N
4.3	Continued long-term ground-movement monitoring and instrumentation within the landslide complex, assessing coastal slope reactivation to assist management of defences.	Isle of Wight Council	High	Continued	Medium Term Monitoring		O
4.4	GPS monitoring programme for central Ventnor to determine surface ground movement patterns (initial 10 years of data being collected to 2016)	Isle of Wight Council	High	Continued	Medium Term Monitoring		O
4.5	Consider potential to remove any surplus man-made defences below vegetated cliffs within PDZ 4 (e.g. Luccombe Cliffs).	Isle of Wight Council	Low	First epoch	Short – medium Term Action		N

[5] N = not yet commenced, O = ongoing, C = complete.

PDZ5 South-west Coastline

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[6]
5.1	Realignment of Military Road	Isle of Wight Council and all partners	High	2011	Short Term Action		N
5.2	Take decision about potential actions based on the results from the study to determine the erosion processes on the Chines	Isle of Wight Council	Low	2013	Medium Term Study		N

[6] N = not yet commenced, O = ongoing, C = complete.

PDZ6 West Wight

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[7]
6.1	Develop Scheme for Freshwater Bay to HTL over the next 100 years as part of the West Wight Coastal Defence Strategy Study.	Isle of Wight Council, Environment Agency	Medium	2015	Medium Term Action		N
6.2	Develop Scheme to deliver HTL policy along Yarmouth and surrounding communities in future epochs (this could include areas of managed realignment). This would follow the West Wight Strategy.	Isle of Wight Council, Environment Agency, Natural England	Medium	2015	Medium Term Action		N
6.3	Develop plan for short and medium term policies leading to MR at Thorley Brook to allow time for habitat adaptation and to assess/address consequences of tidal inundation for the properties and infrastructure at the margins of the floodplain (A specific programme of action for monitoring, consultation and studies to improve predictions of intertidal developments and understanding of the impact of loss and gain of intertidal foreshore on flood	Natural England (& Operating Authorities)	Medium	Needs to be complete to implement the MR policy in 2025	Short Term Action		N

[7] N = not yet commenced, O = ongoing, C = complete.

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[7]
	defence and habitats. The increased knowledge will inform the timing, location and extent of the saline intrusion up the lower reaches of Thorley Brook and Barnfields Stream for the MR in the second epoch and thus optimise defence sustainability and to compensate for the expected deterioration of intertidal habitats and loss of freshwater habitats).						

PDZ7 North-west Coastline

Action Reference	Works Required	Responsibility	Priority	Target Start Date	Short/Medium Term Policy Implementation	Actual Start Date Completion Date	Action Status (N/O/C)[8]
7.1	Adapt footpaths around Newtown Estuary (e.g. the footpath landward of the saline lagoons in Newtown Estuary)	National Trust & Isle of Wight Council	Medium	By the end of the first Epoch (e.g. 2025) prior to when the current defences are likely to start failing	Short Term Action		N

[8] N = not yet commenced, O = ongoing, C = complete.