

# **Isle of Wight Local Flood Risk Management Strategy**

## **Appendix W: Action Plan**

**July 2016**

**Isle of Wight Council, Planning and Housing Services**

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## DOCUMENT CONTROL

### General information

<b>Title</b>	Isle of Wight Local Flood Risk Management Strategy Appendices
<b>Owner</b>	Wendy Perera, Head of Planning and Housing Services – Isle of Wight Council
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<b>File status</b>	Active

### Revision history

Summary of changes	Completed by	Date	Current version?
First Draft	EA/IWC	28/11/2013	No
Second Draft	EA/IWC	02/05/2014	No
Third Draft	EA/IWC	05/02/2015	No
Consultation Draft	IWC	31/03/2016	No
Final Draft Report	IWC	14/06/2016	No
Final Report	IWC Executive Committee	14/07/2016	Yes
Programmed Review	IWC	31/07/2021	

Please see the following table:

(Nb. also see Section 5 of the main report '*Actions to Address Flood Risk on the Island*').

Objective	Action / Scheme	How?	Lead Risk Management Authority / Organisation	Supporting Partner(s)	Cost	Benefits	Potential funding source	When?
Improve the knowledge and understanding of all sources of flood risk across the Isle of Wight	Investigate flooding incidents	Follow established procedures to investigate relevant flooding incidents	Isle of Wight Council	-	Within existing staff resources	Identify source of flooding. Identify and notify relevant Risk Management Authorities.	N/A	Ongoing
	Develop and maintain a register of flood risk assets	Populate asset register with information on infrastructure, ownership and responsibilities.	Isle of Wight Council	Environment Agency	Within existing staff resources	Improved management of flood risk assets.	N/A	Ongoing
	Production and updating of flood maps	There is a wide range of flood risk information available, from the EA's flood maps, climate change flood maps within the IOW SFRA and surface water flood mapping both by the Environment Agency and the IW Council as part of the Preliminary Flood Risk assessment (PFRA). Mapping will continue to be reviewed and updated whenever possible.	Environment Agency Isle of Wight Council	-	IWC and EA rolling review programmes	To effectively manage flood risk by identifying where is at risk.	IWC/EA/GiA	Ongoing
Work in partnership with other authorities who have a role in flood risk management, including across administrative boundaries	Joint working with neighbouring Local Authorities, Flood Groups, Environment Agency, Southern Water, RFCC, etc.	Continued coordination and opportunities for partnership working with other authorities and organisations.	Isle of Wight Council  All	-	Within existing staff resources	Develop and continue partnership working.	N/A	Ongoing
Ensure that	'Flood Risk and	Develop and implement a	Isle of Wight	N/A	Within	To address the specific flood	IWC	Short-term

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planning decisions are properly informed by flooding issues so future development assists with reducing and mitigating flood risk	Vulnerable Coastal Communities' Supplementary Planning Document (SPD).	Supplementary Planning Document; the basis for an SPD was established in the Isle of Wight's Core Strategy, March 2012, namely in policies DM15 on Coastal Management and DM 14 on Flood Risk. These policies outline the introduction of a 'Flood Risk and Vulnerable Coastal Communities SPD'. Evidence base for this SPD developed by Strategic studies.	Council		existing staff resources	risk related issues that will need to be considered by development proposals within areas covered by the SPD.  Also, to set out the IWC's approach to Coastal Change Management Areas (CCMAs) and associated guidance.		
	<b>Area Action Plans: Consideration of flood risk reduction policy issues within the Area Action Plans (AAPs)</b>	Develop and implement AAPs including appropriate consideration of flood risk issues: <ul style="list-style-type: none"> <li>Ryde Area Action Plan (re. Monkton Mead Catchment);</li> <li>Medina Valley Area Action Plan (re. waterfront developments and uses);</li> <li>The Bay Area Action Plan (re. the Eastern Yar Valley flood plain)</li> </ul>	Isle of Wight Council	N/A	Within existing staff resources	To address specific flood risk related issues within areas covered by the AAPs.	IWC	2016 & 2017
	<b>Increased use of Sustainable Drainage Systems (SuDS) in new developments</b>	Implement the targets for the use of SuDS in new developments to reduce runoff volume and peak discharge where possible.	Isle of Wight Council	All	Within existing staff resources	Reduce surface water flood risk; Improve quality of runoff from sites; Increased amenity and biodiversity within developments.	N/A	Ongoing
Identify appropriate measures which reduce the likelihood of harm to people and damage to	Implement existing strategies to manage tidal flooding where the risk is considered	<ul style="list-style-type: none"> <li>West Wight Coastal Strategy (2016);</li> <li>Shoreline Management Plan (2011);</li> <li>Eastern Yar Flood &amp; Erosion Risk Management Strategy (2010);</li> </ul>	Isle of Wight Council  Environment Agency	N/A	Within existing staff resources	To reduce flood risk;  To continue maintenance and upgrading of existing assets;  To inform planning policy.	Ongoing maintenance budgets;  GiA and Partnership Funding	Ongoing

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<p>the economy and environment of the Isle of Wight</p> <p>(including prioritisation of proposed works through Strategies, developed in accordance with the latest guidance)</p>	<p><b>greatest, including maintenance and upgrade of assets</b></p> <p>(NB. priority schemes are discussed below).</p>	<ul style="list-style-type: none"> <li>North East Coastal Defence Strategy Study (2004)</li> </ul>					applications where required.	
	<p><b>South Wight Coastal Flood and Erosion Risk Management Strategy</b></p>	<p>Develop a Coastal Strategy for South Wight coast (The Bay, Ventnor Undercliff and SW coast) in full accordance with national guidance. Led by erosion and landslide reactivation issues plus tidal flood risk near Yaverland.</p>	<p>Isle of Wight Council</p> <p>Environment Agency</p>	<p>Statutory consultees and local community</p>	<p>Grant funding</p>	<p>To reduce erosion and flood risk; Plan defence upgrades; Inform planning policy.</p>	<p>Funded by SRFCC Local Levy</p>	<p>2016-2018</p>
	<p><b>Production and updating of national flood plans and guidance</b></p>	<p>Responsible for the delivery of Flood Risk Management Plan, River Basin Management Plan, Catchment Flood Management Plan etc.</p>	<p>Environment Agency</p>	<p>Other Risk Management Authorities and community</p>	<p>Within existing staff resources</p>	<p>Reduce flood risk.</p>	<p>N/A</p>	<p>Ongoing</p>
	<p><b>Implement the Action Plan of the Ryde Surface Water Management Plan (2015)</b></p>	<p>21 Actions. These comprise:</p> <ul style="list-style-type: none"> <li>Catchment wide actions (10);</li> </ul> <p>Plus location specific actions for:</p> <ul style="list-style-type: none"> <li>Binstead (6),</li> <li>Canoe Lake (1),</li> <li>The Strand (2),</li> <li>West Hill Road (2)</li> </ul> <p>Web: <a href="#">Ryde Surface Water Management Plan</a></p>	<p>Isle of Wight Council</p> <p>Environment Agency</p> <p>Southern Water</p> <p>Island Roads</p>	<p>Local community</p>	<p>Various. See Ryde SWMP for details. Catchment wide actions are low-medium cost. Indicative cost provided for location specific actions at the Canoe Lake and Binstead</p>	<p>To reduce flood risk to the Ryde and Binstead communities (within the river catchments, principally Monktonmead Brook)</p>	<p>Coordinated by the Lead Local Flood Authority (IWC).</p>	<p>Various. See Ryde SWMP for details.</p>

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					attenuation tank.			
	<b>Ryde 'Supporting Communities Remaining at Risk' Project</b>	Ryde has been identified as a priority community in the Solent and South Downs Area, as part of the SCRR Project.  Purchase and provision of Temporary Flood Barrier to be deployed at Simeon Street Recreation Ground in Ryde, to reduce flood risk to adjacent properties, within the Monktonmead catchment.	Environment Agency	Isle of Wight Council.  Local community support.	Purchase of Temporary Flood Barrier.	To improve flood incident response by pre-planning use of temporary flood defences, including their purchase and deployment plans, including working with local partners.	Funded by the EA Supporting Communities that Remain at Risk project.	2016-17.
	<b>Combined Scheme: Cowes and East Cowes Temporary Flood Barriers (Areas A,B,C,D) and Yarmouth Temporary Flood Barriers.</b>	Priority Scheme defined and proposed in the draft West Wight Coastal Flood and Erosion Risk Management Strategy (Consultation Draft, Spring 2016), to be developed by the Risk Management Authorities.	Environment Agency  Isle of Wight Council	Local community	£774k	To reduce flood risk to approx. 63 residential properties in Cowes and East Cowes, and approx. 12 residential properties in Yarmouth, plus to additional commercial properties within the proposed temporary Barrier locations. 20 year design life.	Grant in Aid and Partnership Funding	Epoch 1 of the Coastal Strategy (2015-2025)
	<b>Cowes and East Cowes Property Level protection (Areas a,b,c).</b>	Priority Scheme defined and proposed in the draft West Wight Coastal Flood and Erosion Risk Management Strategy (Consultation Draft, Spring 2016), to be developed by the Risk Management Authorities.	Environment Agency  Isle of Wight Council	Local community	£267k	To reduce flood risk to approx. 34 residential properties. 20 year design life.	Grant in Aid and Partnership Funding	Epoch 1 of the Coastal Strategy (2015-2025)
	<b>Monktonmead pumping station and outfall improvements, Ryde</b>	Develop measures to manage flood risk to properties in the Strand area of Ryde.	Environment Agency	All parties (including EA, IWC and Southern Water) will	£2.5m	Reduce flood risk to properties; Improve functioning of the outfall.	Grant in Aid and Partnership Funding	2016-2019

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				need to work closely together.				
	<b>Lukely Brook Flood Alleviation Scheme</b>	Initial assessments indicate there is likely to be a viable Flood Alleviation Scheme for Lukely Brook, although contributions will be required.	Environment Agency	-	£535k	Flood alleviation scheme	Grant in Aid , SRFCC Local Levy and Partnership Funding	2018-2020
	<b>Gunville Stream Flood Alleviation Scheme</b>	Initial assessments indicate the potential for a small scheme (e.g. property level measures or minor improvements to flood risk management assets).	Environment Agency	-	£110k	Flood alleviation scheme	Grant in Aid, SRFCC Local Levy and Partnership Funding	2020-2022
	<b>Embankment Road, Bembridge, Tidal Flood Defence</b>	The EA wish to sustain the defence to ensure Embankment Road continues to provide the current standard of protection for the next 100 years.	Environment Agency	-	Estimated £6.5m required	To protect around 450 properties currently at risk of flooding if the road was not there, and protect Brading Marshes.	A combination of Grant in Aid and Partnership Funding required. Not funded within the current 6yr national Capital Programme.	2022 onwards, to be determined
<b>Maintain and improve where necessary, flood risk management infrastructure</b>	<b>Improve existing drainage infrastructure</b>  <b>-Island Roads</b>	A programme of 17 major drainage schemes are being undertaken ahead of the highway resurfacing programme, as part of the Highways PFI	Island Roads (for IWC)	-	Part of the Highways PFI contract	Prioritising and addressing areas of known highway drainage flooding.	PFI Contract	By 2020 (i.e. within the 7 year core invest-

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and systems to reduce flood risk	<b>Highways Drainage Schemes</b>	contract being delivered by Island Roads.  Including, in 2016: Steyne Road, Bembridge, Wellington Road, Newport, Egypt Esplanade, Cowes, Blackwater Shute, and Asheys Road, Ryde.  Web: <a href="#">IWC Highways PFI</a> Web: <a href="#">Island Roads</a>						ment period, which commenced in 2013).
	<b>Maintenance activities on main rivers and the coast</b>	Implementation of required maintenance schedules for EA FRM assets and routine inspection of relevant infrastructure	Environment Agency	Isle of Wight Council	Within existing resources.	Reduce flood risk.	N/A	Ongoing
	<b>Regulation of works on rivers</b>	Implementation of consenting and enforcement activities for regulating works on main rivers and ordinary watercourses	Environment Agency  Isle of Wight Council	-	Within existing staff resources.	Reduce flood risk; Compliance with WFD objectives.		
<b>Identify ways of improving support for people at direct risk to promote appropriate individual and community level planning and action</b>	<b>Multi Agency Flood Plan (Response and Recovery) (2015) –Ongoing delivery</b>	The management structures and actions of local responders in response to a flooding event in the Hampshire and Isle of Wight Local Resilience Forum (HIOW LRF) area.	Plan written by the top tier Local Authorities on behalf of the HIOW Local Resilience Forum (LRF)	Local Resilience Forum includes: Emergency Services, Local Authorities, NHS bodies, Defence services, Environment Agency, Highways England,	Ongoing actions of the LRF members	To mitigate the effects of an incident on people, infrastructure and the environment, and aid recovery.	N/A	Ongoing preparedness, flood response and recovery.



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				other agencies, voluntary sector and others.				
	<b>Provision of sandbags</b>	In some emergency situations when there is a risk of flooding, the IWC will instruct Island Roads to position stocks of sandbags at the following strategic locations: -Well Road, East Cowes. -Simeon Street Rec, Ryde. -St Mary's car park, Cowes. Additional sandbag locations will be identified based upon where the EA has advised that there is a potential risk of flooding.	Island Roads (for IWC)	Isle of Wight Council	This service is provided by Island Roads as part of the Highways PFI Contract.	To reduce flood risk; Nb. Householders need to take responsibility for their own property.	PFI Contract	Ongoing
	<b>Identify ways to increase public awareness of flood risk</b>	Utilise opportunities through planned public consultation on Strategies and Schemes and by working with Community groups to raise awareness of flood risk issues, increase preparedness and support the establishment of local flood groups.	All	-	N/A	Best available information is provided for the public to take appropriate action to prepare themselves.	N/A	Ongoing
	<b>Yarmouth Community Flood Plan</b>	Community Flood Plan in operation in Yarmouth to help local people prepare for flooding and be resilient in times of flooding: In recent decades Yarmouth town flooding has been caused by a storm surge coinciding with the highest tides of the year and low pressure. Web: <a href="#">Yarmouth Community Flood Plan</a>	Initial Plan has been prepared by representatives of Yarmouth Town Council, Yarmouth Harbour Commissioners,	See left	N/A	To help local people prepare for flooding and be resilient in times of flooding; To deal with the operational aspects of flooding - protecting life and property, and managing the flood.	Ongoing operational activities of the organisations involved.	Ongoing

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			Wightlink IW Ferries, Yarmouth Business Association and local residents.  Yarmouth Plan Co-ordinator: Yarmouth Harbour-master					
	<b>Cowes Town Council Emergency Flood Plan</b>	Cowes Town Council Emergency Flood Plan / Emergency Flood Leaflet provides emergency contacts, responsibilities and identifying areas at risk: Web: <a href="#">Cowes Town Council Emergency Flood Plan</a>	Cowes Town Council	Local community	N/A	Emergency Flood Plan to reduce flood risk in Cowes.	N/A	Ongoing
	<b>Gurnard Village Flood Plan</b>	Gurnard Village Flood Plan addresses the operational aspects of flooding, i.e. protecting life and property and managing the flood. The actions of each organisation are listed. Reviewed and amended Jan 2015: Web: <a href="#">Gurnard Village Flood Plan</a>	Gurnard Parish Council  Nominated resident representatives registered with the EA receive flood warnings and pass the information on to	Local community	N/A	To support & assist property owners in the prevention of flooding.  To support & assist in the protection of life & property where risk is inevitable.	N/A	Ongoing

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			residents.					
	<b>Freshwater Flood Plan</b>	A Community Flood Plan enables working together as a community or group to respond quickly when flooding happens, including practical actions to take before and during a flood.	Freshwater Parish Council	Local community	N/A	To help reduce the damage flooding can cause.	N/A	Ongoing
	<b>Community Emergency Plans -in operation</b>	<ul style="list-style-type: none"> <li>Bembridge Parish Council (nb. notes severe weather inc. flooding)</li> <li>Chale Parish Council (nb. flooding is identified as low risk)</li> <li>St Helens Parish Council</li> </ul>	Town and Parish Councils	Local community	N/A	To enable community support, self-help and resilience when faced with an emergency situation.	Town and Parish Councils	Ongoing
	<b>Community Emergency/Flood Plans -in progress</b>	Plans in progress for: <ul style="list-style-type: none"> <li>Newport Town Council</li> <li>Northwood Parish Council</li> <li>East Cowes Town Council</li> <li>Ryde Town Council</li> <li>Brading Town Council</li> </ul>	Town and Parish Councils	Local community	N/A	To increase preparedness for future risks	Town and Parish Councils	In progress
	<b>Ryde Flood Action Group</b>	Updates with local agencies on a quarterly basis	Community led	All RMAs	N/A	Community engagement, awareness raising and local flood risk reduction.	N/A	Ongoing
	<b>Binstead Flood Action Group</b>	Updates with local agencies on a quarterly basis	Community led	All RMAs	N/A	Community engagement, awareness raising and local flood risk reduction.	N/A	Ongoing