

South Devon Catchment Flood Management Plan – Revised Action Plan

Policy Unit 9 – Torbay

Policy 5 – Areas of moderate to high flood risk where we can generally take further action to reduce flood risk

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
PU9.1	2011	Develop an Integrated Urban Drainage Strategy, with review of receiving watercourses and catchments, foul and surface water sewerage, and impact of climate change.	PE1 ECON1 ECON2 ECON3	Integrated Urban Drainage Strategy.	Integrated Urban Drainage Strategy completed.	<u>Torbay Council</u> Environment Agency South West Water	2015	High
PU9.2	2009	System Asset Management plans and performance specifications will be produced for all our Flood risk systems and major assets. These will assess flood risk maintenance with the aim to reduce flood risk in Torbay and will include environmental constraints and targets.	PE1 ECON1 ECON2 ECON3	Monitor Delivery of maintenance Monitor impacts of maintenance on SSSIs	Specific measures are identified in the SAMP to reduce flood risk in Torbay. These measures are then implemented	Environment Agency Torbay Council	2012	High
PU9.3	2011	Investigate causes of flooding, identify measures such as flood storage areas, and implement recommendations to reduce current risks <u>including from combined fluvial and tidal risks</u>	PE1 ECON1 ECON3	Feasibility Study. Risk of flooding of Clennon Valley, Paignton Zoo and Barton Tip landfill sites	Feasibility Study completed and specific measures, including flood storage areas identified. Risk of flooding of Clennon Valley, Paignton Zoo and Barton Tip landfill sites reduced appropriately.	<u>Torbay Council</u> Environment Agency	2015	High
PU9.4	2009	We will improve the way that flooding records are collated from different sources.	ECON1	The number of flood incidents in databases.	Accurate and comprehensive record of historic flood events All flood incidents added to appropriate databases.	Environment Agency Torbay Council South West Water	2012	High
PU9.5	2009	We will look at different options for opening up the floodplain through relocation strategies.	PE1 ENV4	Feasibility study completed.	Reduction in number of properties at risk.	Environment Agency Torbay Council Devon County Council	2020	Medium
PU9.6	2009	Linked with the above action, we will aim to secure, restore and keep an area free from development next to	ENV1 ENV4	Identification of potential sites for green corridors next to	An increase in the number of green corridors identified adjacent to water courses in local development plans.	Environment Agency (Development Control) Local authorities	Ongoing	High

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
		all watercourses in and around urban areas		watercourses.	New developments next to watercourses make allowance for green corridors wherever possible.			
PU9.7	2009	We will examine possible options for providing a flood warning service in Torbay.	PE1 ECON1	Options for flood warning identified.	Level of flood warning improved.	Environment Agency Torbay Council South West Water	2015	High
PU9.8	2009	We will examine ways to work with the local planning authority to improve flood risk in the future and ensure that all development complies with PPS25.	PE1 ECON1	Number of planning applications decisions allowing inappropriate development in the floodplain.	Compliance with PPS25 No inappropriate planning applications approved in the floodplain. No developments approved by local authority against EA advice.	Developers Torbay Council Environment Agency Development Control Team	Ongoing	High

Policy Unit 8 – Totnes

Policy 5 – Areas of moderate to high flood risk where we can generally take further action to reduce flood risk

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
PU8.1	2011	We will carry out modelling to identify location at risk of flooding in Totnes, <u>including combined tidal and fluvial flooding.</u>	PE1 ECON1 ECON2 ECON3	Modelling study to investigate the flood risk in Totnes.	Study completed and any culverts and channels causing problems are identified.	Environment Agency	Study complete	
PU8.2	2009	We will produce a pre-feasibility to highlight options for reducing flood risk, including looking at options for surface water flooding problems and options for flood routing and relocating existing commercial properties which are at risk.	PE1 ECON1 ECON2 ECON3	Pre-feasibility report	Prefeasibility study completed and options identified.	Environment Agency	2012	High
PU8.3	2009	System Asset Management plans and performance specifications will be produced for all our Flood risk systems and major assets. These will assess flood risk maintenance with	PE1 ECON1 ECON2 ECON3	Monitor Delivery of maintenance Monitor impacts of maintenance on SSSIs	Specific measures are identified in the SAMP to reduce flood risk in Totnes. These measures are then implemented	Environment Agency South Hams District Council	2012	High

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
		the aim to reduce flood risk in Totnes and will include environmental constraints and targets.						
PU8.4	2009	We will apply new flood risk mapping to the multi-agency flood warning response plan for Totnes. This will assist in the management of severe flooding, including evacuation.	PE1 ECON1	New mapping is included in the Devon Flood Warning and Emergency Response Plan.	Exercises will include new mapping information New maps are shared with professional partners.	Environment Agency Devon County Council South Hams District Council	2012	High
PU8.5	2009	We will look at ways of improving the flood warning service.	PE1 ECON1	Lead time. Number of properties covered by warning service.	Level of flood warning improved.	Environment Agency	2012	High
PU8.6	2009	We will look at ways to compensate for "coastal squeeze" throughout the South Devon CFMP area, and in particular in Totnes	ENV1 ENV3 ENV4 ENV5	Relevant study	Measures identified to minimise the effects of coastal squeeze Locations identified for habitat compensation.	Environment Agency South Hams District Council Natural England	2015	Medium

Policy Unit 7 – Newton Abbot

Policy 5 – Areas of moderate to high flood risk where we can generally take further action to reduce flood risk

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
PU7.1	2011	We will carry out an assessment of the standard of protection and structural integrity of defences in Newton Abbot, in order to develop a flood risk management plan. <u>This should assess combined tidal and fluvial or surface water flooding.</u>	PE1 ECON1 ECON2 ECON3	Assessment of standard of protection and structural integrity of defences in Newton Abbot is completed.	Flood Risk Management strategy is developed.	Environment Agency (FRM)	2012	High
PU7.2	2009	System Asset Management plans and performance specifications will be produced for all our Flood risk systems and major assets. These will	PE1 ECON1 ECON2	Monitor Delivery of maintenance Monitor impacts of maintenance on SSSIs	Specific measures are identified in the SAMP to reduce flood risk in Newton Abbot. These measures are then implemented	Environment Agency Teignbridge District Council Teign Estuary	2015	High

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
		assess flood risk maintenance with the aim to reduce flood risk in Newton Abbot and will include environmental constraints and targets.	ECON3	including River Lemon Valley Woods SSSI.		Partnership		
PU7.3	2011	Work with partners to look at ways of routing surface water flows away from properties and important infrastructure.	PE1 ECON1 ECON3	The completion of an appropriate study.	Number of properties at risk is reduced .	<u>Devon County Council</u> Teignbridge District Council (Highways Authority) Environment Agency	2015	High
PU7.4	2009	We are currently carrying out "improved flood mapping of areas benefiting from defences" for the River Lemon in the Newton Abbot area.	PE1 ECON1	Improved flood mapping of areas benefiting from defences	Flood extents and areas benefiting from defences clearly identified.	Environment Agency	Study complete	-
PU7.5	2009	We will apply new flood risk mapping to the multi-agency flood warning response plan for Newton Abbot. This will assist in the management of severe flooding, including evacuation.	PE1 ECON 1	New mapping is included in the Devon Flood Warning and Emergency Response Plan.	Exercises will include new mapping information New maps are shared with professional partners.	Environment Agency Devon County Council Teignbridge District Council	2012	High
PU7.6	2009	We will review the flood warning service for the River Teign at Kingsteignton and encourage the production of community flood action plans	PE1 ECON 1	Procedures developed for the new gauging station on the River Teign and River Bovey. Remapping of the flood impact in Kingsteignton.	Improved accuracy for flood warning service for the Lower Teign and Kingsteignton. The production of locally owned community flood action plans in areas with significant flood risk.	Environment Agency	2015	High
PU7.7	2009	We will develop a new flood warning area for the Aller Brook to provide flood warnings for Kingskerswell and Newton Abbot.	PE1 ECON 1	A new flood warning and associated procedures will be produced.	Properties in the flood area are registered to the new flood warning service. The flood warning is accurate, timely and reliable.	Environment Agency	2012	High

Ref.	Year Added	Action	Objective	Monitoring indicator	Success criteria	Organisations responsible	Timescale	Priority
PU7.8	2009	We will look at ways to compensate for “coastal squeeze” throughout the South Devon CFMP area, and in particular in the Newton Abbot area	ENV1 ENV3 ENV4 ENV5	Relevant study	Measures identified to minimise the effects of coastal squeeze Locations identified for habitat compensation.	Environment Agency Teignbridge District Council Teign Estuary Partnership Natural England	2015	Medium

Schedule of Change

CFMPs remain live documents. As such, our understanding of risk and the actions (measures) to manage these risks are liable to change. Since the publication of the South Devon CFMP in December 2009 a number of changes have taken place. Below is a summary of changes to the actions (measures) since its publication in 2009.

Policy Location	Action	Comment	Change	Date of change
<p><u>2011</u></p> <p>Following the introduction of the Flood Risk Regulations (2009) and the Flood and Water Management Act (2010) the roles and responsibilities of flood risk management authorities has changed.</p> <p>As well as this, a framework for implementation has been developed which has altered our approach to annual monitoring. As such, a whole scale review of actions (measures) within the South West has been undertaken to ensure CFMPs adequately reflect these important pieces of legislation.</p> <p>Changes to this action plan include:-</p> <ul style="list-style-type: none"> • Amendment to five actions • Inclusion of a schedule of change 				

Policy Location	Action	Comment	Change	Date of change
Torbay	Develop an Integrated Urban Drainage Strategy, with review of receiving watercourses and catchments, foul and surface water sewerage, and impact of climate change.	Lead organisations should be LLFA – Torbay Council	Set Lead Organisation as Torbay Council Deleted 'We will' from start of wording	September 2011
Torbay	Investigate causes of flooding, identify measures such as flood storage areas, and implement recommendations to reduce current risks including from combined fluvial and tidal risks.	Lead organisations should be LLFA – Torbay Council SMP gap analysis identified combined flood risks to be considered.	Set Lead Organisation as Torbay Council. Additional text appended.	September 2011
Totnes	We will carry out modelling to identify location at risk of flooding in Totnes, including combined tidal and fluvial flooding.	SMP gap analysis identified combined flood risks to be considered.	Additional text appended.	September 2011
Newton Abbot	We will carry out an assessment of the standard of protection and structural integrity of defences in Newton Abbot, in order to develop a flood risk management plan. This should assess combined tidal and fluvial or surface water flooding.	SMP gap analysis identified combined flood risks to be considered.	Additional text appended.	September 2011
Newton Abbot	Work with partners to look at ways of routing surface water flows away from properties and important infrastructure.	Lead organisations should be LLFA – Devon County Council	Set Lead Organisation as Devon County Council Amended wording from 'We will work with' to 'Work with'.	September 2011