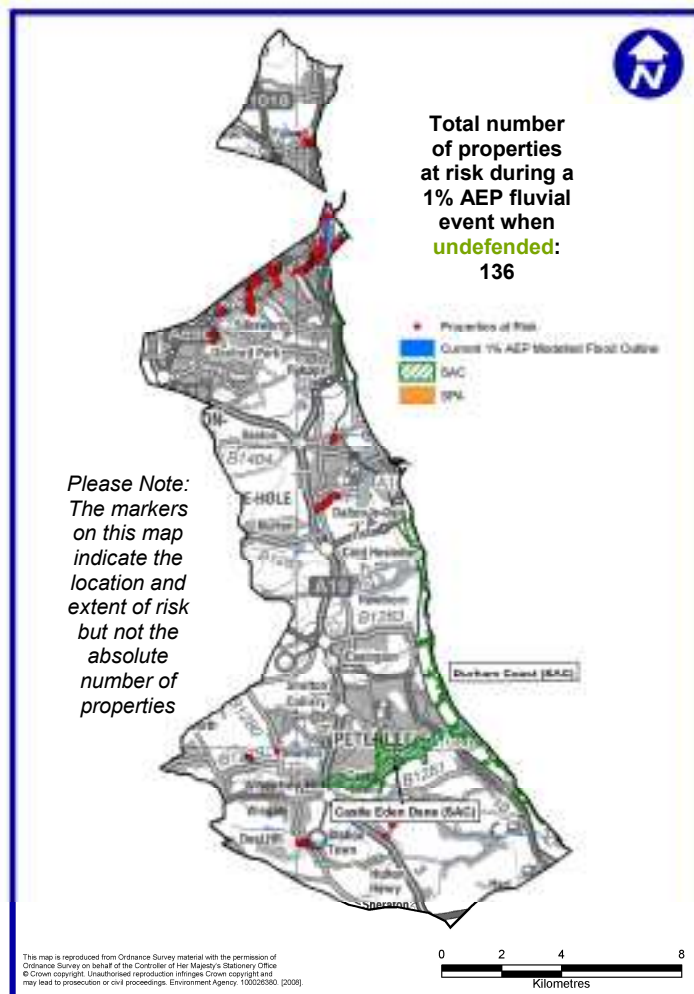


Measures (actions) for Coastal Streams policy unit

There are numerous small watercourses draining an area of 153km² along the eastern-most part of the CFMP area. These small coastal watercourses do not have a hydrological connection with the river Wear, nor do they have a connection to each other. Rather they are independent small catchments in their own right draining directly into the sea. The unit runs from Seaburn in the north down the coast to Crimdon Park at the southern end of the CFMP. The unit contains that part of Sunderland where watercourses do not flow into the river Wear. Other urban areas include Seaham, Dalton-le-Dale and Peterlee. Standard Average Annual Rainfall is at its lowest level here in the CFMP at between just 650-600mm. Soils are a mixture of poorly drained gley soils and freely draining brown soils. A number of SSSIs are present along side and through urban areas in the unit also. The most notable of these is Castle Eden Dene to the south of Peterlee.



Coastal issues such as sea flooding are covered by the River Tyne to Flamborough Head Shoreline Management Plan (SMP).

Our **vision** for Coastal Streams policy unit is that flood risk will be further understood through the improved flood mapping. This will allow more detailed appraisal of the potential approaches to managing this risk.

Inappropriate development in areas at risk of flooding will be discouraged by us and the local decision maker. However, where development is exceptionally necessary planning policy PPS25 aims to make it safe without increasing flood risk elsewhere and where possible, reducing flood risk overall.

Policy 1: No active intervention

Key messages

- ➡ The main source of flood risk is fluvial.
- ➡ Flood risk and predicted damages here are very low.

OUR KEY PARTNERS ARE:

Durham County Council, Northumbria Local Resilience Forum and Local Communities

Measures (actions) for Coastal Streams policy unit

* As required as part of the Flood Risk Regulations (2009)

Ref. number	Year added	Source of flooding	Measure (action)	FRM Measure*	Reason for action	Lead Organisation	Support Organisations	FRM cycle*	Priority	Progress status
DEVELOPMENT PLANNING & ADAPTATION										
<i>No actions have been identified relating to development planning & adaptation.</i>										
FLOOD FORECASTING, WARNING & RESPONSE										
120108_WearC_2	2011	All sources	Produce a Rapid Response Catchment Action Plan for Murton Dene at Dalton-le-Dale. This should include: ➡ catchment description & flooding history; ➡ flood forecasting & flood warning; ➡ identification of any vulnerable population groups; ➡ identification of any critical flood risk management assets; ➡ recovery arrangements; ➡ procedures for reviewing & amending the plans.	Forecasting & Warning	Murton Dene is a rapidly responding catchment. The completion of an Action Plan as prescribed, will minimise community disruption, risk to life and economic disruption.	<u>Environment Agency</u> § Flood Incident Management	<u>Lead Local Flood Authority</u> § Durham County Council Northumbria Local Resilience Forum Local Community	Cycle 2: 2016 - 2021	-	-
LAND, CULTURAL & ENVIRONMENTAL MANAGEMENT										
<i>No actions have been identified relating to land, cultural & environmental management.</i>										
ASSET MANAGEMENT & MAINTENANCE										
120108_WearC_3	2011	Fluvial	Produce a System Asset Management Plan (SAMP) for the Coastal Streams policy unit to determine the most effective approach to managing assets in line with a policy 1, thus ceasing all flood risk management activity.	Prevention	It is important that our long term policies feed into our asset maintenance plans.	<u>Environment Agency</u> § Asset System Management	n/a	Cycle 1: 2010 - 2015	High	-
STUDIES, ASSESSMENTS & PLANS										
120108_WearC_1	2009	All sources	Carryout a detailed Flood Risk Mapping Study to further define the risk of both fluvial and tidal flooding throughout Sunderland and Dalton-le-Dale both now and in light of climate change.	Prevention	Identify the effects of both tide locking and fluvial flood risk taking into account the effects of climate change and to further understand the interactions of all sources of flood risk.	<u>Environment Agency</u> § Flood Risk Mapping & Data	n/a	Cycle 1: 2010 - 2015	High	-
120108_WearC_4	2011	All sources	Following the completion of action 120108_WearC_1, review the CFMP policy and its actions to ensure the management proposals for the policy unit are sustainable.	Prevention	120108_WearC_1 will provide new evidence and justification for the long term management of our assets and may result in a change of policy direction.	<u>Environment Agency</u> § Strategic & Development Planning	<u>Environment Agency</u> § Flood Risk Mapping & Data § Asset system Management	Cycle 1: 2010 - 2015	Medium	-
HIGH LEVEL AWARENESS & ENGAGEMENT										
<i>No actions have been identified relating to high level awareness & engagement.</i>										
MONITORING										
120108_WearC_5	2011	All sources	Closely monitor climate change scenarios published by the UKCIP to ensure our understanding of future flood risk is adequate and that the high level policy for its management is sustainable.	Prevention	The publication of revised climate change statistics may change our understanding of future flood risk. We should review future publications from the UKCIP to ensure our understanding of risk is appropriate.	<u>Environment Agency</u> § Strategic & Development Planning	<u>Environment Agency</u> § Flood Risk Mapping & Data	Cycle 2: 2016 - 2021	-	-

NB: All of these actions and their implementation will be subject to available funding and the economic, political and legislative considerations.

Schedule of change

CFMPs remain live documents. As a result our understanding of flood risk and the measures (actions) needed to manage this risk may change. Since the publication of the Wear CFMP in July 2009 a number of changes have taken place. This has resulted in the deletion of some measures. Below is a summary of changes made to this list of measures since its publication in 2010.

2011

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. 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 measures (actions) within the North East area has been undertaken to ensure CFMPs adequately reflect these important pieces of legislation. Changes made to this action plan include:

-  the inclusion of four new actions;
-  integration of the SMP;
-  the improvement of existing actions to ensure clarity;
-  revised terminology to reflect the above legislation;
-  revised action plan template;
-  inclusion of a schedule of changes.

No measures (actions) have been deleted.