

APPENDIX A	LOCKED DATA	LOCKED DATA	LOCKED DATA	LOCKED DATA	LOCKED DATA	LOCKED DATA	LOCKED DATA	LOCKED DATA	FREE TEXT BOX. PLEASE DESCRIBE PROGRESS MADE AGAINST THIS ACTION	PLEASE USE PULL-DOWN BOX TO SELECT YEAR	PLEASE USE PULL-DOWN BOX TO SELECT YEAR	LOCKED DATA	PLEASE USE PULL-DOWN BOX TO REPORT WHETHER THE ACTION HAS NOT STARTED, IS ONGOING OR IS COMPLETE	FREE TEXT BOX. PLEASE DESCRIBE PROGRESS MADE AGAINST THIS ACTION UP TO FINANCIAL YEAR ENDING 09/10	PLEASE USE PULL-DOWN BOX TO REPORT WHETHER YOU HAVE MADE SATISFACTORY PROGRESS AGAINST THIS ACTION UP TO FINANCIAL YEAR ENDING 09/10	PLEASE USE PULL-DOWN BOX TO SELECT MONTH OF THIS ACTION UP TO FINANCIAL YEAR ENDING 09/10
NAME	CFMP Name	Policy_Unit_Name	Old Action Number	New Action Number	Lead Organisation	Action	Success Criteria	Indicator (APPENDIX	Action Comments	Action Start Date	Action End Date	Implementation Timescale	IMP_Stage	Year 1 Progress to Date	Year 1 - On Target?	Year 1 Report Date
Cheshire East	Upper Mersey	Peak District		UME01.002	Environment Agency	Assess the potential for making further storage or expanding existing storage to reduce flood risk downstream and increase biodiversity and water sports recreation	Options for making use of existing reservoirs for storage are identified					Medium (2012-16)				
Cheshire East	Upper Mersey	Peak District		UME01.004	Local Authority	Encourage local authorities in high risk areas to extend eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as interim conclusion 15 of the Pit Review	Reduced consequence of flooding to properties at high flood risk.	Number of grant applications received.	A review of the current policy on grants and loans for home repairs will be carried out in 2010-11 (Karen Whitehead 01270 686553 is the responsible person at Cheshire East). Grants may also be available from DEFRA.	2010	2011	Long (2016 Onward	Work ongoing	n/a	yes	40238
Cheshire East	Upper Mersey	Bolton		UME02.005	Local Authority	Encourage local authorities in high risk areas to extend eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as interim conclusion 15 of the Pit Review .	Reduced consequence of flooding to properties at high flood risk	Number of grant applications received.	A review of the current policy on grants and loans for home repairs will be carried out in 2010-11 (Karen Whitehead 01270 686553 is the responsible person at Cheshire East). Grants may also be available from DEFRA.	2010	2011	Long (2016 Onward	Work ongoing	Farmerwork agreed to progress issue	yes	40238
Cheshire East	Upper Mersey	Bolton		UME02.006	Local Authority	Encourage partner organisations to collaborate to produce Surface Water Management Plans (SWMPs) to better manage flooding in key urban locations - Macclesfield, Bollington, Prestbury.	SWMPs complete and agreed between partners.	Number of Surface Water Management Plans	A commitment is required by planning, highways and building control (drainage) over the next year (Chris Shields (02170 371290); Steve Jones (01270 685908); Ian Burnn(01270 752150))	2010	2016	Medium (2012-16)	Not started	A tripartite meeting will be arranged in May / June 2010 in order to progress this matter (Martin Grime 01244 973866) / Update SWMP should be completed by Jan 2012	yes	40238
Cheshire East	Upper Mersey	Bolton		UME02.008	Local Authority	Consider appropriate detention times, maximum run-off rates and produce a map to aid in increasing the take-up of SUDS to mitigate flood risk to key urban areas in particular: Macclesfield, Bollington, Wilmastow and Prestbury. The map will show where infiltration SUDS are appropriate and where they may not be. (Storage type SUDS such as ponds and green roofs are appropriate everywhere). Likely map layers are geology/soil type, flood zone 3 or 2 (high groundwater level), contour levels and contaminated land.	Sustained increase in the use of SUDS on appropriately sized developments.	Proportion of developments > 1ha incorporating SUDs	Need a commitment in the next year from the Local authority / Environment Agency / United Utilities (Steve Jones 01270 685908)	2010	2016	Ongoing	Not started	A tripartite meeting will be arranged in May / June 2010 in order to progress this matter (Martin Grime 01244 973866) - Update Awaiting DEFRA Guidance	yes	40238
Cheshire East	Upper Mersey	Mersey		UME04.007	Local Authority	Encourage partner organisations to collaborate to produce Surface Water Management Plans (SWMPs) to better manage flooding in key urban locations - Cheadle, Didsbury and Stockport.	SWMPs complete and agreed between partners.	Number of Surface Water Management Plans	Cheadle, Didsbury and Stockport are not within Cheshire East Council's jurisdiction			Medium (2012-16)				
Cheshire East	Upper Mersey	Mersey		UME04.009	Local Authority	Consider appropriate detention times, maximum run-off rates and produce a map to aid in increasing the take-up of SUDS to mitigate flood risk to key urban areas e.g. Cheadle and Didsbury The map will show where infiltration SUDS are appropriate and where they may not be. (Storage type SUDS such as ponds and green roofs are appropriate everywhere). Likely map layers are geology/soil type, flood zone 3 or 2 (high groundwater level), contour levels and contaminated land.	Sustained increase in the use of SUDS on appropriately sized developments.	Proportion of developments > 1ha incorporating SUDS	This area is not in Cheshire East's jurisdiction			Ongoing				
Cheshire East	Upper Mersey	Mersey		UME04.010	Local Planning Authorities	Put in place policies within the Local Development Framework which seek to remove critical infrastructure from Flood Zones 3 and 2 over time. A policy which seeks to relocate this infrastructure at the end of its operational life would improve the area's ability to respond to and deal with flood incidents in the future.	Critical infrastructure removed from Flood Zones 3 & 2	Critical Infrastructure policies in Local Development Framework	PPS25 covers suitability of critical infrastructure in areas of flood risk. Planning team to work in collaboration with infrastructure providers through LIP process to ensure that new or replacement infrastructure is not located in flood risk areas, or if necessary in such locations that flood risk is appropriately managed. Policies in LDF will accord with PPS25 (Steve Jones 01270 685908)	2009	2012	Medium (2012-16)	Work ongoing	Core Strategy will contain strategic policies for development in Cheshire East. The Core Strategy is in production and is anticipated to be adopted in 2012. This will be supported by evidence of infrastructure requirements as identified through LIP process.	yes	40238
Cheshire East	Upper Mersey	Mersey		UME04.011	Local Authority	Set target standard of protection for flood risk to critical infrastructure (ie. Schools, electricity sub-station & railways) and establish a programme of work to investigate and remedy any shortfalls.	Work programmed to reduce any high flood risk to critical infrastructure.	Scale of risk identified	A proramme of investigation, inspectionand then one of implementation needs to be put in place (Bill Pettigrew 01270 686150). A scale of 1-5 would be useful in order to prioritise the work.	2010	2016	Long (2016 Onward	Not started	This will form a part of the SWMP and the local strategy (short, medium and long term plan for the district)	no	40238
	Weaver Goway	Winstford and Middlewich		WEG00.001	Water and Electricity Utilities and Infrastructure	Continue to investigate causes of sewer flooding (including links to river processes) and the standards of service in relation to problems, followed by appropriate remedial works. This will have benefits to the water quality of the area (consistent with the aims of the Water Framework Directive) . Work in partnership to identify the theoretical sewer flood risk to properties, sharing this information with others to aid integrated urban drainage.	Remedial works for properties on the Register implemented according to Water Company's Asset Management Plan. Information on theoretical sewer flooding risk shared.	Causes of sewer flooding identified: Working Groups established to target areas identified as suffering flooding from multiple sources Properties at risk of sewer flooding identified and information shared with competent authorities				Short (2008-11)				
Cheshire East	Weaver Goway	Winstford and Middlewich		WEG00.002	Local Authority	Encourage local authorities in high risk areas to extend eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as interim conclusion 15 of the Pit Review	Reduced consequence of flooding to properties at high flood risk.	Number of grants awarded by local authority	A review of the current policy on grants and loans for home repairs will be carried out in 2010-11 (Karen Whitehead 01270 686553 is the responsible person at Cheshire East). Grants may also be available from DEFRA.	2010	2011	Ongoing	Not started	Underway Karen Whitehead and W Ashdown are looking at this	yes	40238
Cheshire East	Weaver Goway	Winstford and Middlewich		WEG00.004	Environment Agency	Development and implementation of Systems Asset Management Plan to ensure most efficient maintenance programme and continue with current actions where sustainable.	Routine maintenance programme manages flood risk through a reduction in blockages and bank failure.	Condition of assets				Short (2008-11)				
Cheshire East	Weaver Goway	Winstford and Middlewich		WEG00.005	Local Planning Authority	Full use should be made of SuDS in decisions regarding future development. Maximise attenuation beyond greenfield if possible. : Consider mapping the suitability of SuDS at a local level to facilitate this.	Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	SuDS included as condition of planning permission. Number of SuDS installed. Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	For the three main indicators, Development Management input is needed. SUDS to be considered as part of applications but adoption issues lead to difficulties in securing them - impact of new flood & water management bill on this uncertain. Spatial Planning Team to investigate feasibility of monitoring the uptake of SUDS through new development with Development Management Team, with a view to mapping localions where SUDS have been implemented. Need for maps indicating potential for SUDS to be considered.(Steve Jones	2011	2016	Long (2016 Onward	Not started	None to date. Update Awaiting Guidance from EA and DEFRA	no	40238
Cheshire East	Weaver Goway	Winstford and Middlewich		WEG00.006	Local Authority	Assess feasibility of providing a flood warning provision for Winstford given the high level of risk to caravan site and high flood depths. : Local authorities and responding services should be aware of the areas of flooding hazard and take appropriate action following the issue of flood watches. : Raise awareness of flood risks through flood awareness campaigns.	Flood Warning feasibility assessed. Responding authorities understand risks and take appropriate actions when issued with a flood watch. Active flood awareness campaign.	Assess feasibility of flood warning provision : Flood incident management plan produced for area. Number of flood awareness campaigns targeting the area.	Winstford is the responsibility of Cheshire West and Chester Council. Middlewich Town Centre is the responsibility of Cheshire East Council and a Multi- Agency Flood Response Plan covering the Cheshire East Council Area is currently under production. Flood warning provision needs to be investigated with the Environment Agency in conjunction with the Environment Agency (Martin Grime /Clare Nicholls) consider a flood awareness campaign (Martin Grime 01244 973866)	2010	2011	Short (2008-11)	Work ongoing	Cheshire East Coucil Multi Agency Flood Response Plan partly completed	yes	40238

Cheshire East	Weaver Goway	Crewe and Nantwich	WEGOE.001	Local Authority	Encourage local authorities in high risk areas to extend eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as interim conclusion 15 of the PIR Review	Reduced consequence of flooding to properties at high flood risk.	Number of grants awarded by local authority	A review of the current policy on grants and loans for home repairs will be carried out in 2010-11. (Karen Whitehead 01270 886653 is the responsible person at Cheshire East). Grants may also be available from DEFRA.	2010	2011	Ongoing	Not started	n/a	yes	40238
Cheshire East	Weaver Goway	Crewe and Nantwich	WEGOE.003	Local Authority	Assess flood risk for the medical centre and Manchester Met. University Crewe Campus. Ensure these services adopt appropriate resistance/resilience measures... Ensure local authority and Manchester Met. University Crewe Campus have evacuation and contingency measures in place in case of flooding.	Vulnerable services and infrastructure incorporated into Local Authority Emergency Plan	Level of risk assessed: Necessary resistance/resilience measures identified. Flood risk included in local authorities emergency plan.	A Multi-Agency Flood Response Plan covering the Cheshire East Council Area is currently under production. Contact needs to be made with Manchester Met University to understand the risk and to encourage it to adopt appropriate flood resilience/resistance measures and to confirm evacuation and contingency measures. Contact needs to be made with the Environment Agency to ascertain flood levels. (Martin Grime 01244 973866)	2010	2011	Short (2008-11)	Work ongoing	Work commenced on the production of a Multi-Agency Flood Response Plan covering the Cheshire East Council Area. Update W Ashdown is currently investigating this	yes	40238
Cheshire East	Weaver Goway	Crewe and Nantwich	WEGOE.005	Local Authority	Complete Scoping Study for Nantwich Riverside Project – Wetland creation (7.5Ha) to enhance environment and contribute towards a flood risk reduction in Nantwich.	Viability and benefit of wetland floodplain along Weaver.	Area being considered for change.	There is no one in post at the present time in order to move this matter forward. A name will be supplied by Martin Grime (01244 973866) as soon as possible	2010	2011	Short (2008-11)	Not started	EA is working with Nantwich TC	no	40238
Cheshire East	Weaver Goway	Crewe and Nantwich	WEGOE.006	Local Planning Authority	Full use should be made of SuDS in decisions regarding future development so as to avoid increased risk to downstream locations. Maximise attenuation beyond greenfield if possible. Consider mapping the suitability of SuDS at a local level to facilitate this. Were possible SuDS should provide amenity and environmental benefits.	Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	Number of SuDS installed: Proportion of SuDS providing amenity and environmental benefits. Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	For the three main indicators, Development Management input is needed. SuDS to be considered as part of applications but adoption issues lead to difficulties in securing them - impact of new flood & water management bill on this uncertain. Spatial Planning Team to investigate feasibility of monitoring the uptake of SuDS through new development with Development Management Team, with a view to mapping locations where SuDS have been implemented, and type of SuDS implemented. Need for maps indicating potential for SuDS to be considered	2011	2016	Ongoing	Not started	None to date. Awaiting Guidance	no	40238
Cheshire East	Weaver Goway	Congleton	WEGOF.001	Environment Agency	Carry out a strategy study for Congleton. The focus of the study will be to consider the feasibility the long-term relocation of properties outside of the floodplain as the ultimate way of reducing flood risk. Land management change, culvert redesign/maintenance and improved defences/resilience measures will be assessed as a means of managing flood risk where relocation is not feasible. N.B. Congleton has a low priority score within the NW and is unlikely to secure national funding for a flood defence scheme in the near future due to budgetary constraints. There are however other mechanisms for funding that include developer contribution and local levy.	Options adequately identified & justified.	Completion of strategy study: Number of properties at risk. Economic damages (AAD)				Long (2016 Onwards)				
Cheshire East	Weaver Goway	Congleton	WEGOF.002	Local Authority	Encourage and assist the Regional Assembly and Local Planning Authorities to produce Regional and Strategic Flood Risk Assessments. Use these to inform future development and minimise flood risk from all sources. This will help to inform and deliver action no. 3.	Regional and Strategic Flood Risk Assessments produced as appropriate. No Environment Agency objections to approvals given for development in the flood plain.	Regional and Strategic Flood Risk Assessments produced as appropriate. No Environment Agency objections to approvals given for development in the flood plain.	SFRAs for all former Districts prepared in 2008. CEG LPA to review need to update SFRAs at appropriate intervals (Steve Jones 01270 885908)	2008	2008	Ongoing	Action criteria complete	Action criteria complete	yes	40238
Cheshire East	Weaver Goway	Congleton	WEGOF.003	Local Planning Authorities	Influence the planning system to ensure that inappropriate development is guided away from flood risk areas and where permitted, the risks are adequately mitigated. A high proportion of properties are at high risk of flooding. Every opportunity (such as redevelopment) should be taken to move properties out of the floodplain consistent with the Environment Agency's policy to open up the floodplain. Opening up the flood plain may have the effect of lowering flood river levels flowing through the town. The relocation of properties outside of the floodplain will reduce the number of properties at risk of flooding and may prove more sustainable than the long-term maintenance of defences. Other highlighted flood risk management measures will be applied to those areas where relocation outside the flood plain is not feasible.	Residual flood risk does not rise with development given for development in the floodplain. Number of properties identified for removal from flood plain.	No Environment Agency objections to approvals given for development in the floodplain. Number of properties identified for removal from flood plain.	Action 1 / Indicator 1 - LPA undertakes this in line with PPS25 and guidance from EA / United Utilities on applications where required. Indicator is a Core Output Indicator and is reported in AMR each year. Action 2 / Indicator 2 - LPA to ensure opportunities through redevelopment to minimise flood risk are taken. Method of collecting data for second indicator to be investigated (Steve Jones 01270 885908)	2008	2016	Ongoing	Work ongoing	Indicator 1 already collected routinely. Indicator 2 will require further investigation.	yes	40238
Cheshire East	Weaver Goway	Congleton	WEGOF.004	Local Authority	Encourage local authorities in high risk areas to extend eligibility for home improvement grants and home loans to properties at flood protection and resilience products (as interim conclusion 15 of the PIR Review	Reduced consequence of flooding to properties at high flood risk.	Decision taken on whether to extend eligibility for home improvement grants	A review of the current policy on grants and loans for home repairs will be carried out in 2010-11. (Karen Whitehead 01270 886653 is the responsible person at Cheshire East). Grants may also be available from DEFRA	2010	2011	Long (2016 Onward	Not started	Karen Whitehead and W Ashdown currently working on this	yes	40238
Cheshire East	Weaver Goway	Congleton	WEGOF.005	Local Authority - Leisure Centre Operator	Assess flood risk for the school and leisure centre. Ensure these services adopt appropriate resistance/resilience measures... Ensure local authority and leisure centre have evacuation and contingency measures in place in case of flooding.	Vulnerable services and infrastructure incorporated into Local Authority Emergency Plan.	Level of risk assessed: Necessary resistance/resilience measures adopted	A Multi-Agency Flood Response Plan covering the Cheshire East Council Area is currently under production. Contact needs to be made with the school and the leisure centre to assess level of risk and if necessary encourage them to adopt appropriate flood resilience / resistance measures and to confirm evacuation and contingency measures. Contact needs to be made with the Environment Agency to ascertain flood levels. (Martin Grime 01244 973866)	2010	2011	Medium (2012-16)	Work ongoing	Cheshire East Council Multi Agency Flood Response Plan partly completed. Areas will be identified as part of the SWMP and investigated by Flood officer	yes	40238
Cheshire East	Weaver Goway	Congleton	WEGOF.006	Local Authority	Undertake land use study to influence the creation of flood storage/ attenuation/land use change benefiting Congleton. Areas identified are likely to form part of the rural catchment (see action Policy unit G).	Land use change resulting in a reduction in river flows.	Area of flood storage/ attenuation/land use change	We do not think that Cheshire East Council is the lead partner agency			Long (2016 Onwards)				
Cheshire East	Weaver Goway	Congleton	WEGOF.007	Environment Agency	Review and extend the Flood Warning area, CH2 (see figure 1.13) as climate change occurs, and update the Emergency Response Plan to improve flood warning procedures. Raise awareness of risks through flood awareness campaigns.	185 properties covered by flood warning. Active flood awareness campaign.	Number of properties in Warning area. Flood Warning take up. No. of flood awareness campaigns targeting area		2008		Short (2008-11)				
Cheshire East	Weaver Goway	Congleton	WEGOF.008	Local Planning Authority	Full use should be made of SuDS in decisions regarding future development so as to avoid increased risk to downstream locations. Maximise attenuation beyond greenfield if possible. Consider mapping the suitability of SuDS at a local level to facilitate this.	Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	SuDS included as condition of planning permission	For the three main indicators, Development Management input is needed. SuDS to be considered as part of applications but adoption issues lead to difficulties in securing them - impact of new flood & water management bill on this uncertain. Spatial Planning Team to investigate feasibility of monitoring the uptake of SuDS through new development with Development Management Team (Steve Jones 01270 885908)	2011	2016	Ongoing	Not started	None to date. Awaiting Guidance	no	40238
Cheshire East	Weaver Goway	Rural Areas	WEGOG.004	Local Authority	Encourage local authorities in high risk areas to extend eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as interim conclusion 15 of the PIR Review (Karen Garsberg 01270 886654 is the responsible person at Cheshire East). Grants may also be available from DEFRA.	Reduced consequence of flooding to properties at high flood risk.	Number of grants awarded by local authority	Manchester Ship Canal is not situated within Cheshire East Council's area. However should Cheshire East Council have an interest in the canal's catchment area then a review of the current policy on grants and loans for home repairs will be carried out in 2010-11. (Karen Whitehead 01270 886653 is the responsible person at Cheshire East). Grants may also be available from DEFRA	2010	2011	Ongoing	Not started	n/a	yes	40238

Cheshire East	Weaver Gow	Rural Areas		WEG00.005	Local Authority	Encourage and assist the Regional Assembly and Local Planning Authorities to produce Regional and Strategic Flood Risk Assessments. Use these to inform future development and minimise flood risk from all sources.	Regional and Strategic Flood Risk Assessments used to guide planning process.	Regional and Strategic Flood Risk Assessments produced as appropriate.	SFRAs for all former Districts prepared in 2008. CEC LPA to review need to update SFRAs at appropriate intervals.(Steve Jones 01270 685908)	2008	2008	Ongoing	Work ongoing	ongoing	yes	40238
Cheshire East	Weaver Gow	Rural Areas		WEG00.006	Local Planning Authorities	Influence the planning system to ensure that inappropriate development is guided away from flood risk areas and where permitted, the risks are adequately mitigated.	Residual flood risk does not rise with development and re-development opportunities actually achieve risk reduction.	No Environment Agency objections to approvals given for developments in the floodplain	LPA undertaking this in line with PPS25 and guidance from EA/ United Utilities on applications where required. Indicator is a Core Output Indicator and is reported in AMR each year.(Steve Jones 01270 685908)	2008	2009	Ongoing	Work ongoing	ongoing	yes	40238
Cheshire East	Weaver Gow	Rural Areas		WEG00.012	Site Owner/ Operator	Assess risk at Kemira Fertiliser plant and ensure site operator has resistance/resilience measures to reduce potential water quality and contamination issues.	Environment Agency to deliver advice and guidance to site operator and enforce action where necessary.	Water quality (GQA): Level of risk assessed. Necessary protection measures adopted.	This site is in Cheshire West and Chester Council's area not Cheshire East			Medium (2012-16)				
Cheshire East	Weaver Gow	Rural Areas		WEG00.013	Site Owner/ Operator	Assess level of risk of the landfill sites and look at localised protection measures to reduce potential water quality and contamination issues.	Environment Agency to deliver advice and guidance to site operator and enforce action where necessary.	Water quality (GQA): Level of risk assessed. Necessary protection measures adopted.	Site owner operator			Medium (2012-16)				

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NAME	CFMP Name	Policy_Unit_Name	Old Action Number	New Action Number	Lead Organisation	Action	Success Criteria	Indicator	Action Comments	Action Start Date	Action End Date	Implementation Timescale	IMP_Stage	Year 1 Progress to Date	Year 1 - On Target?	Year 1 Report Date
Cheshire West and Mersey Estuary	Mersey Estuary	Bebington (+Ellesmere Port)		MER13.002	Local Planning Authorities	Seeks to ensure that, where development must, exceptionally, take place in areas at risk of flooding, include measures such as, floor levels are raised to an appropriate level, flood resilience is incorporated into buildings and it is demonstrated that safe access and evacuation can be provided during flooding.	Appropriate measures are taken with Environment Agency advice.	Number of decision notices received in line with Environment Agency advice				Ongoing				
Cheshire West and Mersey Estuary	Mersey Estuary	Bebington (+Ellesmere Port)		MER13.006	Local Authority	Encourage the use of appropriately designed SuDS to control run-off at source. Consider appropriate detention times, maximum run off rates and produce a map to aid in increasing the take up of SuDS to mitigate flood risk. The map will show where infiltration SuDS are appropriate and where they may not be.	Sustained increase in the use of SuDS on appropriately sized developments / regeneration	Proportion of developments > 1 ha incorporating SuDS				Ongoing				
Cheshire West and Mersey Estuary	Mersey Estuary	Bebington (+Ellesmere Port)		MER13.008	Local Authority	Encourage the use of flood resilience and flood-proofing to existing properties in locations where the Standard of Protection is less than 1%; this will include Bebington, Bromborough and Ellesmere Port. This will be through the provision of information and advice and seek appropriate opportunities for funding these measures. (Pitt Review rec no 16)	Monitor the take up of flood resilience and flood proofing measures	Number of decision notices received in line with Environment Agency advice				Ongoing				
Cheshire West and Mersey Estuary	Mersey Estuary	Bebington (+Ellesmere Port)		MER13.009	Local Authority	Look to investigate appropriate methods to provide protection or resilience to key infrastructure and receptors (eg. transport network and power and gas stations)	Appropriate methods and programme have been identified	Scale of risk identified				Short (2008-11)				
Cheshire West and Mersey Estuary	Mersey Estuary	Greasby (Heswall & Neston)		MER14.002	Environment Agency	Work with local and national government to create economic and social conditions that encourage appropriate land use and land management	Sustained increase in the use of SuDS on appropriately sized	Economic and social conditions created and monitored				Ongoing				
Cheshire West and Mersey Estuary	Mersey Estuary	Greasby (Heswall & Neston)		MER14.003	Environment Agency	Consider appropriate detention times, maximum run off rates and produce a map to aid in increasing the take up of SuDS to mitigate flood risk downstream in policies 12 & 13, which include Birkenshead, Bebington and Ellesmere Port. Map will show where infiltration SuDS are appropriate and where they may not be.	Sustained increase in the use of SuDS on appropriately sized developments	Proportion of developments > 1ha incorporating SuDS				Long (2016 Onwards)				
Cheshire West and Mersey Estuary	Mersey Estuary	Greasby (Heswall & Neston)		MER14.005	Environment Agency	Develop a Strategy to identify opportunities for flood attenuation including offsite storage within this policy unit to alleviate flood risk downstream in policies 12 & 13, which include Birkenshead, Bebington and Ellesmere Port. Work closely with Natural England and partners to look at the best ways of managing flood risk in these areas.	Completion of the Strategy / Identification of possible sites for flood storage	Number of sites identified				Medium (2012-16)				
Cheshire West and Mersey Estuary	Mersey Estuary	Greasby (Heswall & Neston)		MER14.006	Environment Agency	Undertake further studies to identify areas in upper river reaches where Water Level Management Plans, (WLMP) and Habitat Creation Plans (HCP) can contribute to alleviate flood risk downstream.	Locations identified and discussed with environmental partners, local	Development of WLMP and HCP Number of BAPS, SSSI				Medium (2012-16)				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.001	Environment Agency	In the short term, complete the proposed new flood defence scheme for the Kedwick Brook area. This Standard of Protection should then be sustained into the future.	Scheme protects 170 properties.	Scheme completed				Short (2008-11)				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.004	Environment Agency	Undertake an audit of existing flood risk management assets, including the roles and responsibilities of all operational authorities to ensure effective maintenance and management during future flooding events.	Partners work to cost-effectively maintain and separate flood risk assets	Memorandum of roles and responsibilities signed between Environment Agency and partners				Short (2008-11)				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.005	Local Authority	Encourage and assist the Regional Assembly and Local Planning Authorities to produce Regional and Strategic Flood Risk Assessments. Use these to inform future development and minimise flood risk from all sources. This is particularly important as it guides action no. 6.	Regional and Strategic Flood Risk Assessments used to guide planning process.	Regional and Strategic Flood Risk Assessments produced as appropriate.				Ongoing				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.006	Local Authority	Influence the planning system to ensure that inappropriate development is sited away from flood risk areas and where permitted, the risks are adequately mitigated.	Residual flood risk does not rise with development and re-development opportunities actually achieve risk reduction.	No Environment Agency objections to approvals given for development in floodplain. Number of properties identified for removal from flood plain				Ongoing				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.007	Local Authority	A high number of properties are at risk of flooding. Every opportunity (such as re-development) should be taken to move properties out of the floodplain consistent with the Environment Agency's policy to open up the flood plain. Where this is relocation is possible no further flood risk measures will be necessary.	Reduced consequence of flooding to properties at high flood risk.	Decision taken on whether to extend eligibility for home improvement grants				Ongoing				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.008	Local Planning Authority	Encourage local authorities covering flood risk areas to consider extending eligibility for home improvement grants and home loans to encompass flood protection and resilience products in line with increased future risks (as recommendation 12 of the Pitt Review).	Full use should be made of SuDS in decisions regarding future development in the Kedwick Brook catchment. Maximise attenuation beyond greenfield if possible.	SuDS included as condition of planning permission. number of SuDS installed. Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.				Short (2008-11)				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.009	Environment Agency	Consider mapping the suitability of SuDS at a local level to facilitate this.	Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	No of flood awareness campaigns targeting area				Ongoing				
Cheshire West and Weaver Gowy	Weaver Gowy	Frodsham and Runcom		WEG08.010	Site Owner/ Operator	Raise awareness of current and future risks through flood awareness campaigns.	Environment Agency to deliver advice and guidance to site operator and enforce action where necessary.	Assessment of protection measures required to safeguard water quality is carried out.				Medium (2012-16)				
Cheshire West and Weaver Gowy	Weaver Gowy	Northwich		WEG08.001	Environment Agency	Assess level of flood risk at the landfill sites (Frodsham and Weston) and look at localised protection measures needed to reduce flooding and water quality.	Use Northwich Flood Alleviation Scheme Pre-feasibility study (2007) to inform the planning process and future bids for national funding for a Northwich Strategy Plan. A strategy would be used to understand the level of flood risk and look for opportunities and actions (a suite of measures from storage to localised land-use change is likely to be needed) to reduce flood risk in Northwich and further downstream. An area of storage at Winsford Top Flash is recommended as being most cost beneficial for Northwich.	Options adequately identified and justified.				Medium (2012-16)				
Cheshire West and Weaver Gowy	Weaver Gowy	Northwich		WEG08.002	Local Authority	N.B. Northwich has a low priority score within the NW and is unlikely to secure national funding for a flood defence scheme in the near future due to budgetary constraints. There are however other mechanisms for funding that include developer contribution and local levy.	Regional and Strategic Flood Risk Assessments used to guide planning process.	Regional and Strategic Flood Risk Assessments produced as appropriate. No Environment Agency objections to approvals given for development on the floodplain.				Ongoing				
Cheshire West and Weaver Gowy	Weaver Gowy	Northwich		WEG08.003	Local Planning Authorities	Encourage and assist the Regional Assembly and Local Planning Authorities to produce Regional and Strategic Flood Risk Assessments. Use these to inform future development and minimise flood risk from all sources. This will help to inform and deliver action no. 3.	Residual flood risk does not rise with development and re-development opportunities actually achieve risk reduction.	No Environment Agency objections to approvals given for developments in the floodplain.				Ongoing				
Cheshire West and Weaver Gowy	Weaver Gowy	Northwich		WEG08.004	Local Planning Authorities	Influence the planning system to ensure that inappropriate development is sited away from flood risk areas and that where development is permitted, the risks are adequately mitigated.	Resilience, safe access and evacuation can be provided during flood events.	No Environment Agency objections to approvals given for developments in floodplain				Ongoing				

Cheshire West and Weaver Gowy	Northwich	WEG0C.005	Local Authority	Encourage local authorities covering flood risk areas to consider extending eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as recommendation 12 of the PIR Review).	Reduced consequence of flooding to properties at high flood risk.	Decision taken on whether to extend eligibility for home improvement grants.	Ongoing				
Cheshire West and Weaver Gowy	Northwich	WEG0C.006	Local Authority	Assess risk for the 2 schools and 3 medical centres identified as being at risk of flooding. Ensure these services adopt appropriate resistance/resilience measures.	Vulnerable services and infrastructure incorporated into Local Authority Emergency Plan.	Necessary resistance/resilience measures identified. Flood risk included in local authorities emergency plan.	Short (2008-11)				
Cheshire West and Weaver Gowy	Northwich	WEG0C.010	Environment Agency	Review extent of the Flood Warning Area (see Figure 3.13) as climate change occurs, and update Vale Royal Borough Council Flood Incident Response Plan.	1000 properties covered by flood warning. Flood Incident Response Plan updated.	Flood Warning Area reviewed and updated.	Long (2016 Onwards)				
Cheshire West and Weaver Gowy	Northwich	WEG0C.011	Local Planning Authority	Full use should be made of SuDS in decisions regarding future development so as to avoid increased risk to Northwich. Maximise attenuation beyond greenfield if possible.	Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	SuDS included as condition of planning permission. Number of SuDS installed. Need for SuDS maps considered and funding stream sought.	Ongoing				
Cheshire West and Weaver Gowy	Northwich	WEG0C.012	Site Owner/Operator	Assess level of flood risk at industrial sites (e.g. Winnington landfill site, Winnington chemical works, sewage treatment works) and look at localised protection measures to reduce flooding to reduce potential water quality and contamination issues.	Environment Agency to deliver advice and guidance to site operator and enforce action where necessary.	Level of risk assessed. Necessary protection measures adopted.	Medium (2012-16)				
Cheshire West and Weaver Gowy	Winsford and Middlewich	WEG0D.001	Water and Electricity Utilities and Infrastructure	Continue to investigate causes of sewer flooding (including links to river processes) and the standards of service in relation to problems, followed by appropriate remedial works. This will have benefits to the water quality of the area (consistent with the aims of the Water Framework Directive).	Remedial works for properties on the Register implemented according to Water Company's Asset Management Plan. Information on theoretical sewer flooding risk shared.	Working Groups established to target areas identified as suffering flooding from multiple sources. Properties at risk of sewer flooding identified and information shared with competent authorities.	Short (2008-11)				
Cheshire West and Weaver Gowy	Winsford and Middlewich	WEG0D.002	Local Authority	Encourage local authorities covering flood risk areas to consider extending eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as recommendation 12 of the PIR Review).	Reduced consequence of flooding to properties at high flood risk.	Number of grants awarded by local authority.	Ongoing				
Cheshire West and Weaver Gowy	Winsford and Middlewich	WEG0D.004	Environment Agency	Development and implementation of Systems Asset Management Plan to ensure most efficient maintenance programme and continue with current actions where sustainable.	Routine maintenance programme manages flood risk through a reduction in blockages and bank failure.	Condition of assets.	Short (2008-11)				
Cheshire West and Weaver Gowy	Winsford and Middlewich	WEG0D.005	Local Planning Authority	Full use should be made of SuDS in decisions regarding future development. Maximise attenuation beyond greenfield if possible.	Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	SuDS included as condition of planning permission. Number of SuDS installed. Appropriate SuDS technology adopted. Need for SuDS maps considered and funding stream sought.	Long (2016 Onwards)				
Cheshire West and Weaver Gowy	Winsford and Middlewich	WEG0D.006	Local Authority	Assess feasibility of providing a flood warning provision for Winsford given the high level of risk to caravan site and high flood depths.	Flood Warning feasibility assessed. Responding authorities understand risks and take appropriate action when issued with a flood watch. Active flood awareness campaign.	Assess feasibility of flood warning provision.	Short (2008-11)				
Cheshire West and Weaver Gowy	Rural Areas	WEG0G.004	Local Authority	Encourage local authorities covering flood risk areas such as the Manchester Ship Canal catchment to consider extending eligibility for home improvement grants and home loans to encompass flood protection and resilience products (as recommendation 12 of the PIR Review).	Reduced consequence of flooding to properties at high flood risk.	Number of grants awarded by local authority.	Ongoing				
Cheshire West and Weaver Gowy	Rural Areas	WEG0G.005	Local Authority	Encourage and assist the Regional Assembly and Local Planning Authorities to produce Regional and Strategic Flood Risk Assessments. Use these to inform future development and minimise flood risk from all sources.	Regional and Strategic Flood Risk Assessments used to guide planning process.	Regional and Strategic Flood Risk Assessments produced as appropriate.	Ongoing				
Cheshire West and Weaver Gowy	Rural Areas	WEG0G.006	Local Planning Authorities	Influence the planning system to ensure that inappropriate development is guided away from flood risk areas and where permitted, the risks are adequately mitigated.	Residual flood risk does not rise with development and no development opportunities actually achieve risk reduction.	No Environment Agency objections to approvals given for developments in the floodplain.	Ongoing				
Cheshire West and Weaver Gowy	Rural Areas	WEG0G.012	Site Owner/Operator	Assess risk at Kemira Fertiliser plant and ensure site operator has resistance/resilience measures to reduce potential water quality and contamination issues.	Environment Agency to deliver advice and guidance to site operator and enforce action where necessary.	Water quality (GQA). Level of risk assessed. Necessary protection measures adopted.	Medium (2012-16)				
Cheshire West and Weaver Gowy	Rural Areas	WEG0G.013	Site Owner/Operator	Assess level of risk of the landfill sites and look at localised protection measures to reduce potential water quality and contamination issues.	Environment Agency to deliver advice and guidance to site operator and enforce action where necessary.	Water quality (GQA). Level of risk assessed. Necessary protection measures adopted.	Medium (2012-16)				