

Flood Risk Management (Scotland) Act 2009

INTERIM REPORT on the TAY ESTUARY AND MONTROSE BASIN Local Flood Risk Management Plan



Publication date: 1 March 2019



Published by: Angus Council in conjunction with :-



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Foreword

This INTERIM REPORT to the Local Flood Risk Management Plan shows the progress made in delivering the actions to avoid and reduce the risk of flooding, and prepare and protect ourselves and our communities across the local plan district.

“The impacts of flooding experienced by individuals, communities and businesses can be devastating and long lasting. It is vital that we continue to reduce the risk of any such future events and improve Scotland’s ability to manage and recover from any events which do occur.”

(Tay Estuary and Montrose Basin Local Flood Risk Management Plan, June 2016)

The publication of the INTERIM REPORT shows that the coordinated and collaborative efforts of public bodies can be brought together to deliver sustainable outcomes.

The INTERIM REPORT is published by Angus Council on behalf of a partnership comprising five local authorities: Angus Council; Perth and Kinross Council, Fife Council; Aberdeenshire Council; Dundee City Council; as well as Scottish Water; SEPA; Cairngorms National Park Authority and Forestry Commission Scotland.

Individuals are the first line of defence against flooding and have responsibilities to protect themselves from flooding. Through self-help and property level protection, awareness raising and signing up to Floodline, individuals, businesses and communities can and have made key contributions to the delivery of the actions in the Plan, which are detailed in this INTERIM REPORT.

Since the publication of the Plan in June 2016, public sector finances in Scotland have continued to be under considerable pressure. This places an even greater responsibility on SEPA, local authorities and Scottish Water and other responsible authorities to deliver their flood risk management responsibilities and, in particular the actions in the Plan, to manage flooding in a sustainable way.

SEPA, local authorities and Scottish Water and other responsible authorities will continue to work collaboratively to implement the actions in the Plan to its conclusion in June 2022.

Signed :-

Major Ronnie Proctor (Provost)

*Mark Salmond
(Convener)*

Angus Council – Communities Committee

Date :-

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Background

The INTERIM REPORT is a legal requirement of the Flood Risk Management (Scotland) Act 2009(Section 37). The INTERIM REPORT is required to be published between July 2018 and June 2019. The INTERIM REPORT includes the conclusions of a review of the Tay Estuary and Montrose Basin Local Flood Risk Management Plan (the 'Plan'), published in June 2016 and includes information on the progress that has been made towards implementing the actions identified in the Plan.

Further details on flood risk management responsibilities in Scotland and the legal requirement for the publication of this INTERIM REPORT can be found in Appendix 1.

A copy of the Tay Estuary and Montrose Basin Local Flood Risk Management Plan can be found at the follow link.

[https://www.angus.gov.uk/sites/angus-cms/files/2017-07/Tay Estuary and Montrose Basin Local Flood Risk Management Plan.pdf](https://www.angus.gov.uk/sites/angus-cms/files/2017-07/Tay%20Estuary%20and%20Montrose%20Basin%20Local%20Flood%20Risk%20Management%20Plan.pdf)

Review of the plan

This section sets out the conclusions of the review of the plan and a summary of progress of actions detailed in Tay Estuary and Montrose Basin Local Flood Risk Management Plan. It draws upon the assessment of progress of actions presented in the subsequent sections.

Key progress in reducing the impacts of flooding since publication

1. Angus Council has developed a flood protection scheme for the Brothock Water in Arbroath. This has received grant funding and subject to approvals, construction will commence in 2019.
2. Dundee City Council has developed a flood protection scheme for the coastline at Broughty Ferry. Construction of this project will commence in 2020 subject to approval.
3. Dundee City Council has completed a flood protection scheme for the Dundee coastline.
4. Strategic studies are progressing across Team B (LPD 7). These cover the following areas:
 - Hatton sewer catchment (Dundee to Arbroath) by Scottish Water
 - Mapping and Modelling of Montrose coastal area and Arbroath – Dundee coastal area by SEPA
5. A number of flood protection studies and surface water plans are progressing across the Team B district – more details of these studies are contained within the report.

How current and relevant is the 2016 Plan?

The Plan was published in June 2016 supplementing the Flood Risk Management Strategy published by SEPA in December 2015. The Plan details how the actions identified in the Strategy

were to be implemented over the period 2016 to 2022. The Strategy and Plan are based on the National Flood Risk Assessment and the designated Potentially Vulnerable Areas at that time.

Since the identification of the actions in the Plan, there have and continue to be advancements in our knowledge and further development of assessment techniques. These include the publication by SEPA of a new National Flood Risk Assessment and revision to the designation of Potentially Vulnerable Areas in December 2018. These advancements may inform the delivery of the actions in this Plan and will be used in the development of future Strategies and Plans.

It is therefore considered that the Plan on which this INTERIM REPORT is based is still relevant, albeit the planned delivery and actual delivery of some actions has changed. These changes are detailed in the 'Assessment of the progress of actions'.

Significant challenges

Based on a review of the assessment of the progress of actions detailed in this INTERIM REPORT, the following key challenges and issues have been identified that have or may have an impact on the delivery of actions to manage flood risk. Arrangements planned to deliver the remaining actions are described below. Where these challenges have had an impact on the delivery of specific actions or actions across an LPD, this is detailed in the 'Assessment of the progress of actions'.

However, the overall delivery of actions in the Plan has not been impacted by funding or resource issues.

Significant weather events

The Tay Estuary and Montrose Basin LPD was adversely affected by significant weather events in late 2015 and early 2016, which had an impact on the delivery of actions in the Plan from June 2016 onwards. For example, Angus Council and Perth & Kinross Council resources were deployed to deal with the emergency events at the time as well as the follow up activities and necessary works, which were still being delivered into financial year 2017/18. This has caused consequential

delays in the planned delivery of some actions as staff resource that would have been delivering planned actions has been delivering emergency actions.

A further significant weather event was experienced in March 2018. This resulted in low temperatures and high levels of snow fall across the district although a gradual thaw meant that flooding from snow melt was limited.

Arrangements planned to deliver the remaining actions affected by significant weather events are described below and detailed in the 'Assessment of the progress of actions' section of this INTERIM REPORT. Specifically each local Authorities approach to resilience and measures for climate change adaption are relevant.

Funding

The 'actions in the Plan to meet agreed goals and objectives in the first six-year cycle considered what would be achievable assuming a similar level of funding for flood risk management activities from The Scottish Government. However, given the timing of spending reviews and annualised financial settlements for local government, the actual ability to deliver all the actions set in the Strategies in December 2015 and detailed in this Plan will be dependent on the availability of the necessary funding in each year of the six year Plan', (Tay Estuary and Montrose Basin Local Flood Risk Management Plan, June 2016).

The level of funding from Scottish Government for flood risk activities for the first three years of the six year Plan has been at the levels anticipated. As per the principals of financial settlements for local government, the funding is not 'ring fenced' and some local authorities may have allocated these funds to the delivery of other priorities.

Allocation of Resources

The delivery of flood risk management actions must be seen in the context of challenging local government finances and increased expectation and demand for public services. This applies to all of the responsible authorities and SEPA.

The impact on the level of funding from Scottish Government in general settlements for local government and in respect of funding for other responsible authorities and SEPA may also have

had an effect on the availability and allocation of resources. There is a challenge for priority of flood risk with and against many other worthy demands on public spending.

The availability and retention of skilled staff to deliver flood risk actions has been a limiting factor in some areas. The increased workload created by the weather events noted above has put more pressure on existing staff resources. This has caused consequential delays in the planned delivery of actions.

Prioritisation of actions for next plan cycle

Many actions contained in the plan are to undertake studies that will assess the need for further actions to be implemented in future plans. For example, a flood protection study may recommend that a community flood action group is set up to increase resilience to flooding, or that a flood defences are constructed. This introduces a deadline date by when such actions need to be detailed and submitted by responsible authorities for consideration as actions in the next plans from 2022-28. The deadline date for submission of these actions to SEPA has been set as December 2019. The actions submitted will then be assessed and prioritised against the flood risk objectives, and consulted upon ahead of the publication of the next cycle of Flood Risk Management Strategies in December 2021 and Local Flood Risk Management Plans in June 2022. Any actions that miss this deadline may therefore be delayed for consideration in the next cycle from 2028-34.

Arrangements planned to deliver the remaining actions

The actions in the Plan will continue to be delivered over the remainder of the 2016 to 2022 period. This will be as per the published Plan, subject to revisions in delivery dates as detailed in the 'Assessment of the progress of actions' section of this INTERIM REPORT.

In general, all of the actions in the Plan will be delivered by June 2022.

Where specific measures are required to address a delay and ensure an action is completed then this is described against the relevant action. In addition where there is a risk that remaining actions will not be delivered by the end of the Plan, planned contingencies have been considered, which are described against the relevant action.

Next steps

A Final Report on the plan will be published in between July 2021 and June 2022. This will include an updated assessment of the progress made towards implementing the current actions, a summary of the current measures which were not implemented, with reasons for their non-implementation; and a description of any other measures implemented since the plan was finalised which the lead authority considers have contributed to the achievement of the flood risk objectives.

In the meantime, to find out more about how flood risk is being managed please refer to your Local Authority website :-

https://www.angus.gov.uk/the_environment/flooding/flood_management

<http://www.pkc.gov.uk/article/14716/Flooding>

<https://www.dundee.gov.uk/service-area/city-development/flooding>

<https://www.fifedirect.org.uk/topics/index.cfm?fuseaction=subject.display&subjectid=6128ECEA-FA04-4CEE-11F4FBCDEB3BD6E2>

Conclusions

Since the publication of the Tay Estuary and Montrose Basin Local FRM Plan in June 2016, good progress has been made over the initial three years of the first cycle. This has clearly highlighted the benefits that can be achieved by partnership working in flood risk management.

Flood studies have generally progressed as programmed, and surface water studies have commenced in some areas utilizing the detailed hydraulic modelling outputs from Scottish Water to increase certainty in the predictions of surface water flooding. Detailed consideration of flood sources and pathways has allowed an improved understanding of the impacts of flooding allowing for improved prioritization of measures.

The requirement for sustainable flood measures to be prioritised will drive environmental improvements in conjunction with flood protection, achieving enhancements to communities across the Tay Estuary and Montrose Basin district.

The responsible authorities involved in delivering the actions for the Tay Estuary and Montrose Basin LPD are also involved in delivering actions in other local plan districts.

Assessment of progress

This section sets out an assessment of the progress towards implementing the actions set out in the Team B LFRMP.

There are actions that apply across the whole of the TEAMB LPD and actions that are specific to each of the 19 Potentially Vulnerable Areas (as defined under Section 13 of the Act) in the TEAMB LPD, which are shown below in Figure 1.

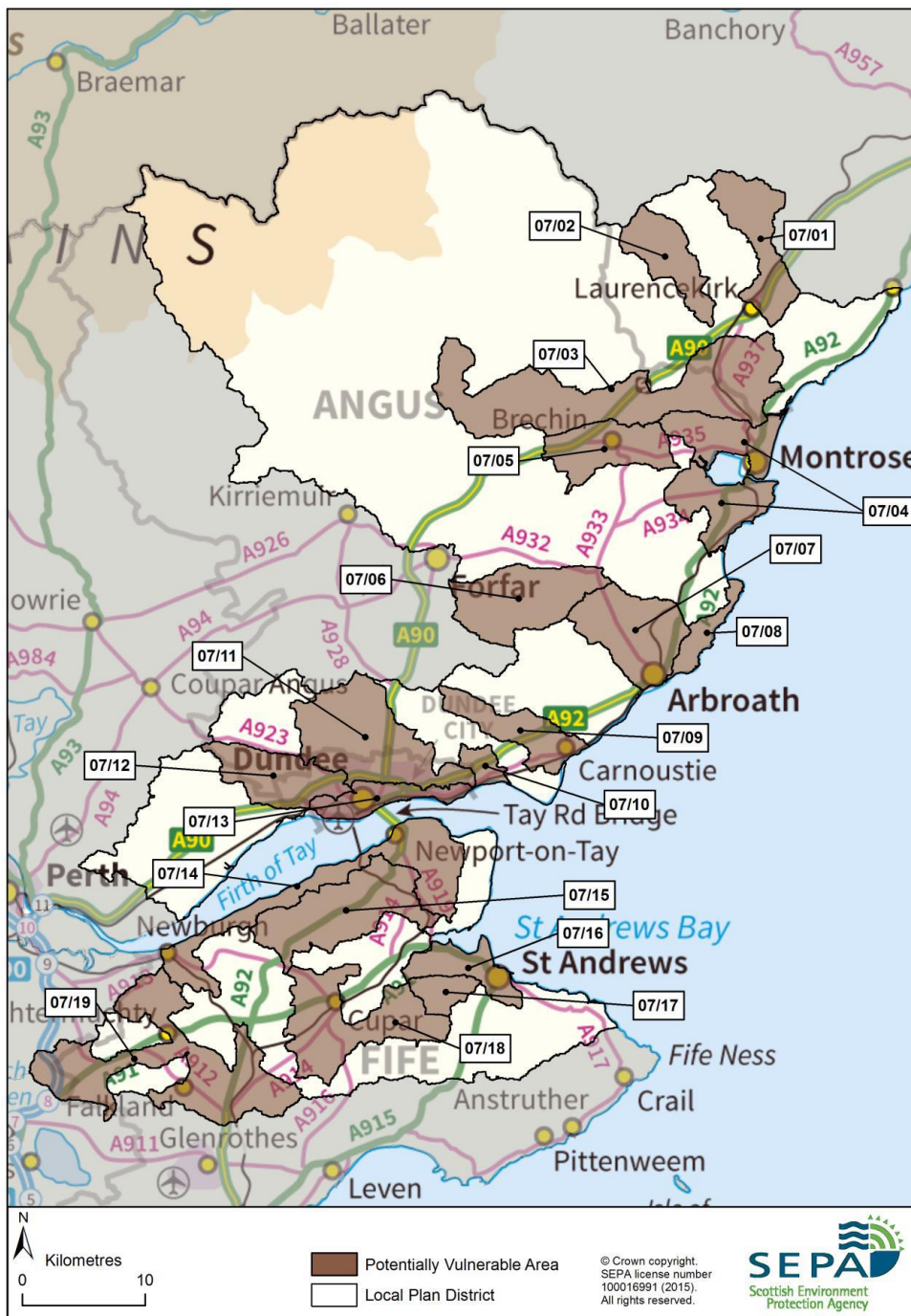


Figure 1: The Tay Estuary and Montrose Basin Local Plan District with Potentially Vulnerable Areas identified

Reproduced from Tay Estuary and Montrose Basin Local Plan District Flood Risk Management Strategy, SEPA (December 2015)

The actions that apply to individual PVA across the TEAMB LPD are shown overleaf in Figure 2. The summary of the assessment of progress is shown using the traffic light system, where each item is marked as Red, Amber or Green (RAG) and where:

- **GREEN** – Action has been/is being delivered and is on programme and within budget;
- **AMBER** – Action is behind programme and/or over budget, but the key dates are still anticipated to be met.
- **RED** – Action is behind programme and/or over budget, with key dates unlikely to be met and/or the outputs unlikely to achieve what was anticipated by the LFRMP.

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PVA	Flood protections scheme/works	Natural flood management works	New flood warning	Flood protection study	Natural flood management study	Surface water plan/study	Strategic mapping and modelling	Maintain flood protection scheme*	Maintain flood warning	Flood forecasting	Property level protection scheme	Community flood action groups	Self help	Awareness raising	Maintenance	Site protection plans	Emergency plans/response	Planning policies
07/12 Invergowrie					A	G	G			G			G	G	G		G	G
07/19 Auchtermuchty and Pleasance								G		G			A	A	A		A	A

Figure 2: Summary of progress of actions to manage flood risk in the Potentially Vulnerable Areas of the Tay Estuary and Montrose Basin

Note:

- *Needs to be consistent with format of each published Plan.*
- *Avoid duplication in LPD-wide and PVA specific, e.g. general awareness raising may be in LPD-wide and awareness raising specific to a PVA would be included in the PVA progress update.*
- *Likely to be more narrative-based and qualitative progress rather than quantitative.*

Progress with LPD-wide Actions

This table provides an assessment of the progress towards implementing general actions that apply across the TEAMB district over the six-year Plan

Action	Status	Description	Delivery Lead	Interim progress	Planned actions to complete
Flood forecasting		Actions taken by SEPA in conjunction with other agencies to provide predictive flood information in advance which enables people to take action to reduce the impact of flooding on their property.	SEPA	SEPA has continued to provide daily national flood guidance statements which provide an assessment of the risk of flooding for a five day period. The service also provides the information for flood warnings to be issued.	Current actions to continue and be further developed as new information becomes available.
Self help		Actions taken by SEPA and Local Authorities in TEAM B to assist, support and educate property owners to protect themselves and their property from flooding.	ALL	Numerous actions have been undertaken by SEPA, Local Authorities and the Responsible Authorities to raise awareness and educate about Self Help actions. Further details on specific PVA related events can be found in the PVA update sheet.	Current actions to continue. Perth and Kinross Council will support communities to become more resilient to flooding and to develop community resilience groups and emergency plans.
Awareness raising		Actions taken by SEPA and Local Authorities in TEAM B to raise awareness of flood risk.	ALL	Numerous actions have been undertaken by SEPA, Local Authorities and the Responsible Authorities to raise awareness and educate about flood risk.	Current actions to continue. Perth and Kinross Council will continue with awareness raising activities when developing proposals for the remaining

				<p>Further details on specific PVA related events can be found in the PVA update sheet.</p> <p>Perth and Kinross Council has developed its website to provide more advice and information on flood risk management.</p>	actions in its local flood risk management plans.
Maintenance		<p>Actions taken by Local Authorities and Scottish Water to undertake clearance and repair in relation to waterbodies and maintenance of other water related assets.</p>	<p>LA and Scottish Water</p>	<p>Local Authorities have inspected waterbodies and identify clearance and repair works to reduce flood risk.</p> <p>Scottish Water continue to undertake risk based inspections, maintenance and repair on the public sewer network.</p> <p>Perth and Kinross Council has continued to inspect and assess watercourses.</p> <p>Routine inspections are carried out either annually, six monthly or quarterly, depending on the flood risk associated with each watercourse. Further reactive inspections have been carried out when issues have been highlighted or during times of flooding. Where a flood risk is identified, and clearance and repair works would substantially reduce that flood risk, then those works are included on the Council's clearance and repair</p>	<p>Current actions to continue.</p> <p>Perth and Kinross Council will continue to inspect and assess watercourses and carry out clearance and repair works where this would substantially reduce flood risk. Road gulleys will continue to be monitored and cleared as per the gulley monitoring programme.</p>

				<p>schedule and carried out.</p> <p>Perth and Kinross Council also operates a monitoring programme for the inspection and maintenance of road gullies. Each gully is inspected, and cleared if required, once per year. The monitoring programme identifies gullies that are more at risk from blockage so that they can be checked more frequently. It also enables the Council to reduce the frequency of inspections where gullies are found to require less frequent maintenance. Through this monitoring, the Council is developing a more strategic and sustainable approach to gully maintenance. The public can also contact the Council to highlight issues with any road gullies.</p>	
Emergency plans/response		Actions taken by Local Authorities and SEPA to provide an emergency response to flooding.	LA, Scottish Water and SEPA (Category 1 and 2 Responders)	<p>The Responsible Authorities under the Civil Contingencies Act 2004 have acted in response to weather warnings received and use best available information from a number of sources to co-ordinate regional and local actions. Perth and Kinross Council further developed its Flooding Emergency</p>	<p>Current actions to continue.</p> <p>Perth and Kinross Council will continue to implement the Flooding Emergency Response Plan when required.</p> <p>Where no incidents have occurred within a 12 month period a table top exercise will be conducted to test the response plan. This exercise may include</p>

				Response Plan in October 2017. The Plan is designed to ensure that contingency measures are in place for a coordinated and flexible response to flooding incidents to mitigate the effects of flooding emergencies on people, property and infrastructure.	consideration of flooding incidents, severe weather, widespread flooding, storm events, etc.
Planning Policy		Actions by SEPA and the Local Authorities to ensure that Flood Risk information is considered in Development Plans and Local Development decisions.	SEPA and LA	<p>SEPA and Local Authority Officers have continued to provide flood risk information to the Local Plan and the Development Control process</p> <p>The current Perth and Kinross Local Development Plan (LDP1) contains planning policy and development allocations which ensure that new development at medium to high risk of flooding is avoided (unless flood protection measures to the appropriate standard (1:200 years) already exist and are maintained, are under construction, or are a planned measure in a current flood risk management plan). SEPA and Perth and Kinross Council's flooding team input to the planning application process as necessary to implement flood risk policy and ensure there is an</p>	<p>Current actions to continue and be further developed to prioritise sustainable flood risk management within the Local Plans and local development control decisions. Further discussion/engagement required.</p> <p>Perth and Kinross Council will publish LDP2 and revised Supplementary Guidance on Flooding and Drainage.</p> <p>Following consultation on the Perth and Kinross proposed LDP2, the Council considered the representations made to the Proposed Plan and approved responses to these representations at a special Council meeting August 2018.</p> <p>The Proposed Plan was then submitted to Scottish Ministers for examination on 14 September 2018. The Reporter will</p>

			<p>appropriate assessment and mitigation of flood risk as detailed development proposals come forward. The Council's flooding team has reviewed 872 planning applications since the start of the 2016/17 financial year as a consultee in the planning process. The Council's flooding team has also provided additional advice on flood risk management to the Planning Authority outwith these formal consultations.</p> <p>The Council is reviewing LDP1, which was adopted in February 2014 to produce LDP2. LDP1 includes the policies and development allocations against which the planning applications for development are considered. Key milestones in its review have included publication and consultation on the Main Issues Report (consulting on key issues and changes from the adopted LDP1) in December 2015 and the publication and consultation on the LDP2 Proposed Plan (the settled view of the Council) in December 2017. To</p>	<p>examine the unresolved issues.</p> <p>Following amendment of the LDP2 in line with the Reporter's recommendations (unless there are reasonable and justifiable grounds for not accepting some of the recommendations), the Council will adopt LDP2. This is anticipated to be July 2019.</p> <p>The existing Supplementary Guidance (SG) on Flood Risk and Flood Risk Assessments (Developers Guidance note on Flooding and Drainage) is also currently being reviewed and will be revised and consulted on in January 2019 with a view to adoption alongside LDP2. The main aspects that are being updated are the guidance on climate change; the requirements for sustainable urban drainage systems (SuDS) and the ongoing maintenance responsibilities, including information on potential maintenance agreements with Scottish Water under Section 7 of the Sewerage (Scotland) Act.</p>
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				<p>inform this process, the Council has undertaken a Strategic Environmental Assessment (SEA) and prepared an Environmental Report to identify, describe and evaluate the likely significant effects on the environment. The SEA includes the consideration of flood risk in site assessment and policy work, and involved engagement with SEPA and the Council's flooding team.</p>	
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Figure 3: Progress with LPD-wide Actions for the Tay Estuary and Montrose Basin

Progress with PVA-specific Actions

This section sets out an assessment of the progress towards implementing actions that are specific to each of the 19 PVA as shown in Figure 2. Assessments of the progress of actions within each PVA are presented.

There are no specific actions identified for 'property level protection scheme' and 'site protection plans' actions. Consideration of property level protection schemes will be included in the 'flood protection study', 'surface water plan/study' and/or 'emergency plans/response' actions. Site protection plans will be identified through these same 'study' actions and also 'planning policies' action.

Invergowrie - PVA – 07/12

Local Plan District	Local authority	Main catchment
Tay Estuary and Montrose Basin	Angus Council, Dundee City Council, Perth and Kinross Council	Invergowrie Burn



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There are approximately 240 residential properties and 60 non-residential properties at risk of flooding. The Annual Average Damages are approximately £740,000.

Surface water flooding is the highest risk in this PVA. The surface water study has been incorporated into the larger joint flood study for Dundee and Monifieth and this is progressing satisfactorily. The strategic modelling of the sewer catchment in this PVA has been completed by Scottish Water. Hydraulic modelling outputs will inform the surface water management plan for the area.

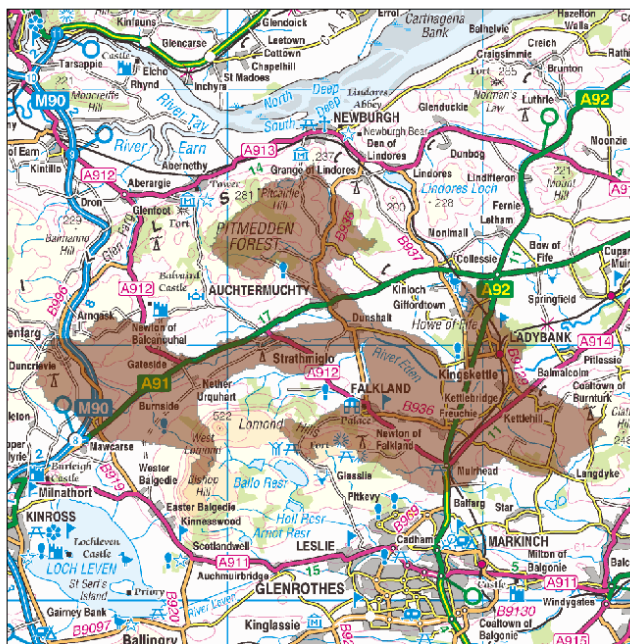
PVA	Flood protections scheme/works	Natural flood management works	New flood warning	Flood protection study	Natural flood management study	Surface water plan/study	Strategic mapping and modelling	Maintain flood protection scheme*	Maintain flood warning	Flood forecasting	Property level protection scheme	Community flood action groups	Self help	Awareness raising	Maintenance	Site protection plans	Emergency plans/response	Planning policies
07/12																		
Action		Status	Description						Planned Dates		Progress in Delivery, including key deliverables and dates			Revised dates and planned actions to complete / address delay				
Natural flood management study			<p>Joint NFM Study between Dundee City, Perth and Kinross Council and Angus Council.</p> <p>A natural flood management study has been recommended for Dundee to assess whether river / floodplain restoration and sediment management could help reduce flood risk. The study should take a catchment approach and consider the potential benefits and disbenefits and interaction between actions upstream and downstream.</p>						2016- 2020		The Invergowrie natural flood management study is programmed to commence in the 2019/20 financial year.			The study is programmed for completion in 2019/20.				
Surface water plan/study			<p>Joint surface water plan/study between Angus, Dundee City and Perth and Kinross Council's and SW to identify sustainable actions to manage surface water.</p>						2016 – 2020 (SWMP) 2016 – 2019 (ICS)		<p>The development of a SWMP commenced in June 2018.</p> <p>The Tayside Integrated Catchment Study (ICS) demonstrated that there was very little interaction between the Invergowrie</p>			Angus Council, Dundee City Council and Perth and Kinross Council are coordinating the SWMP.				

				Burn and other sources of flooding. Perth and Kinross Council have therefore not progressed with the ICS which was originally intended to support the surface water management plan process.	
Strategic mapping and modelling (SW)		Section 16 Assessment of Hatton Sewer catchment by Scottish Water to improve knowledge and understanding of flood risk.	2016 - 2019	Complete	Information provided to Local Authorities for SWMP process.
Flood forecasting		SEPA to provide flood guidance statements and flood warnings in conjunction with the Met office	2016 - 2020	Ongoing	
Awareness raising		See LPD Actions and Appendix 1 for full details.	On-going	No additional awareness raising activities have been carried out in the PVA, further to those described in Fig 3 of this report.	Further to the planned awareness raising activities described in Fig 3 of this report, the responsible authorities will continue with awareness raising activities when developing any proposals for the remaining actions set out in the TEAMB Local Flood Risk Management Plan.
Self help		See LPD Actions and Appendix 1 for full details.	On-going	No additional self help activities have been carried out in the PVA, further to those described in Fig 3 of	Refer to the planned actions described in Fig 3 of this report.

				this report.	
Maintenance		See LPD Actions and Appendix 1 for full details.	On-going	No additional maintenance activities have been carried out in this PVA, beyond those already described in Fig 3 of this report.	Refer to the planned actions described in Fig 3 of this report.
Emergency plans/response		See LPD Actions and Appendix 1 for full details.	On-going	No additional emergency planning/response activities have been carried out in this PVA, beyond those already described in Fig 3 of this report.	Refer to the planned actions described in Fig 3 of this report.
Planning Policy		See LPD Actions and Appendix 1 for full details.	On-going	No additional planning policy activity has been carried out in this PVA, beyond that already described in Fig 3 of this report.	Refer to the planned actions described in Fig 3 of this report.
Integrated Catchment Study		Study Complete – see Strategic Mapping and Modelling	2016 - 2019	Optioneering phase commenced.	Ongoing

Auchtermuchty and Pleasance - PVA – 07/19

Local Plan District	Local authority	Main catchment
Tay Estuary and Montrose Basin	Fife Council, Perth and Kinross Council	River Eden



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There are approximately 170 residential properties and 30 non-residential properties at risk of flooding. The Annual Average Damages are approximately £610,000.

A detailed study of flood risk from the Bowhouse sewer catchment was completed by Scottish Water in April 2017. This has provided a detailed picture of flood risk from this source and the outputs from hydraulic modelling will be incorporated within the planned flood protection study for Auchtermuchty.

PVA	Flood protections scheme/works	Natural flood management works	New flood warning	Flood protection study	Natural flood management study	Surface water plan/study	Strategic mapping and modelling	Maintain flood protection scheme*	Maintain flood warning	Flood forecasting	Property level protection scheme	Community flood action groups	Self help	Awareness raising	Maintenance	Site protection plans	Emergency plans/response	Planning policies
07/19																		
Action		Status	Description				Planned Dates		Progress in Delivery, including key deliverables and dates				Revised dates and planned actions to complete / address delay					
Maintain flood warning		G																
Flood forecasting		G	SEPA to provide flood guidance statements and flood warnings in conjunction with the Met office				2016 - 2020		Ongoing				Refer to the planned actions described in Fig 3 of this report.					
Self help		A	See LPD Actions and Appendix 1 for full details.				On-going		No additional awareness raising activities have been carried out in the PVA, further to those described in Fig 3 of this report.				Refer to the planned actions described in Fig 3 of this report.					
Awareness raising		A	See LPD Actions and Appendix 1 for full details.				On-going		No additional self-help activities have been carried out in the PVA, further to those described in Fig 3 of this report.				Refer to the planned actions described in Fig 3 of this report.					
Maintenance		A	See LPD Actions and Appendix 1 for full details.				On-going		No additional maintenance activities have been carried out in this PVA, beyond those already described in Fig 3 of this report.				Refer to the planned actions described in Fig 3 of this report.					
Emergency plans/response		A	See LPD Actions and Appendix 1 for full details.				On-going		No additional emergency planning/response activities have been carried out in this PVA, beyond those already described in Fig 3 of				Refer to the planned actions described in Fig 3 of this report.					

				this report.	
Planning Policy	A	See LPD Actions and Appendix 1 for full details.	On-going	No additional planning policy activity has been carried out in this PVA, beyond that already described in Fig 3 of this report.	

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Other actions

This section sets out details of additional significant actions undertaken in the LPD by local authorities to contribute to the implementation of the current actions in the plan and the achievement of the objectives in the plan.

This section can be used to provide a fuller view of the other actions not expressly covered by the LFRMP, e.g. Section 56 general activities and Section 18/59 clearance and repair works.

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List of Acronyms and Abbreviations

FRM	Flood Risk Management
ICS	Integrated Catchment Study
LFRMP	Local Flood Risk Management Plan
LPD	Local Plan District
NFM	Natural Flood Management
PVA	Potentially Vulnerable Area
Q&S	Quality & Standards (Scottish Water)
SEPA	Scottish Environment Protection Agency
SR10/15	Spending Review periods for 2010-2015 and 2016-2021 for Scottish Water capital maintenance expenditure
SWMP	Surface Water Management Planning
TEAMB	Tay Estuary and Montrose Basin

Appendix 1: Flood risk management responsibilities in Scotland and the legal requirement for the publication of this INTERIM REPORT

Flood risk management in Scotland

The Scottish Ministers, SEPA and responsible authorities must exercise their flood risk related functions with a view to reducing overall flood risk (reference Section 1(1) of the Flood Risk Management (Scotland) Act 2009).

Through the preparation of a national flood risk assessment and setting of objectives to reduce the level of flood risk by SEPA, which is published in Flood Risk Management Strategy, and the publication of Local Flood Risk Management Plan's by 'lead' local authorities, which detail how and when the actions agreed to meet these objectives are to be done, SEPA and all responsible authorities must act to manage flood risk in a sustainable way.

Flood Risk Management Strategy for Tay Estuary and Montrose Basin

Local Flood Risk Management Plan for Tay Estuary and Montrose Basin

Legal requirement

This document sets out the conclusions of the review of the Local Flood Risk Management Plan (LFRMP) for the Tay Estuary and Montrose Basin (TEAMB) Local Plan District (LPD) as required by Section 37 of the Flood Risk Management (Scotland) Act 2009 (the "Act").

37 Local flood risk management plans: interim report

- (1) Not earlier than 2 years and not later than 3 years after a local flood risk management plan is finalised, the lead authority must —
- (a) review the plan, and

(b) publish a report on the conclusions of the review including information on the progress that has been made towards implementing the measures identified in the implementation part of the plan.

(2) The lead authority must make copies of the report available for public inspection.

The TEAMB LFRMP, which includes the 'implementation part of the plan', was published in June 2016. The Interim Report is therefore to be published between July 2018 and June 2019. The Interim Report will provide a summary of the LFRMP actions ('measures') and the proposed delivery timescales.

The information on progress will include:

- an assessment of the progress towards implementing each of the actions;
- reasons for any actions where delivery is not as planned; and
- a description of arrangements planned to deliver the remaining actions and to address delayed actions.

The Interim Report is published by the 'lead authority' as defined by Section 34(9) of the Act in partnership with SEPA and the 'responsible authorities', as defined by Section 5 of the Act, will be in the LPD. The approval of the Interim Report will be in accordance with the agreed governance arrangements in the LPD. The responsible authorities for the TEAMB LPD are:

- Angus Council (lead authority)
- Aberdeenshire Council
- Cairngorms National Park
- Dundee City Council
- Fife Council
- Forestry Commission Scotland
- Perth & Kinross Council
- Scottish Water.

The lead authority must also publish a Final Report on the LFRMP under Section 38 of the Act between July 2021 and June 2022 (not earlier than 5 years and not later than 6 years from the publication of the plan). The Final Report will provide an assessment of current actions and a summary of current actions not implemented, with reasons for their non-implementation. The Final Report will also include a description of any other measures implemented, which the lead authority considers have contributed to the achievement of the objectives summarised in the LFRMP.

Publication

The published Interim Report for the TEAMB LFRMP will be made available for public inspection, as per Section 37(2) of the Act, via the website of the lead authority, Angus Council:

www.angus.gov.uk; search for "Interim Report LFRMP".

Links to the published Interim Report for the TEAMB LFRMP will also be provided from Scottish Government, SEPA and other responsible authority websites.

A hard (paper) copy of the published Interim Report for the TEAMB LFRMP is also available for public inspection on weekdays between 9am and 5pm at the following location(s):

Angus Council, Angus House, Orchardbank, Forfar DD1 1AN

Copies of the published Interim Report for the TEAMB LFRMP may also be available at offices of other responsible authorities. It is advised that the responsible authority be contacted to make such arrangements.

Detailed arrangements for publication of the Interim Report for TEAMB LFRMP are in Appendix 2.