FINDHORN, NAIRN AND SPEYSIDE

Local Flood Risk Management Plan

Interim Report

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Contents

1 Foreword 3
2 Background 4
3 Review of the Plan 5
4 Assessment of progress 10
5 Progress with LPD-wide Actions 13
6 Progress with PVA-specific Actions 17
7. 1 Burghead to Lossiemouth (Potentially Vulnerable Area 05/01) 18
7. 2 Spynie (Potentially Vulnerable Area 05/02) 20
7. 3 Lhanbryde (Potentially Vulnerable Area 05/03) 23
7. 4 Spey Bay (Potentially Vulnerable Area 05/04) 25
7. 5 Elgin (Potentially Vulnerable Area 05/05) 28
7. 6 Forres (Potentially Vulnerable Area 05/06) 31
7. 7 Findhorn (Potentially Vulnerable Area 05/07) 33
7. 8 Nairn East and Auldearn (Potentially Vulnerable Area 05/08) 35
7. 9 Rothes and Aberlour (Potentially Vulnerable Area 05/09) 37
7. 10 Carrbridge (Potentially Vulnerable Area 05/10) 39
7. 11 Aviemore and Boat of Garten (Potentially Vulnerable Area 05/11) 41
7. 12 Kingussie (Potentially Vulnerable Area 05/12) 43
7. 13 Newtonmore (Potentially Vulnerable Area 05/13) 45
7. 14 Dalwhinnie (Potentially Vulnerable Area 05/14) 47

1 Foreword

This Interim Report to the Local Flood Risk Management Plan provides information on the progress made in delivering actions to avoid and reduce the risk of flooding, and prepare and protect ourselves and our communities across the Local Plan District (LPD).

"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."

(Findhorn, Nairn and Speyside 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 for the Findhorn, Nairn and Speyside LPD is published by Moray Council on behalf of a partnership comprising two local authorities: Moray Council and The Highland 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 make contributions to the delivery of the actions in the Local Flood Risk Management Plan (the Plan).

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

2 Background

The Interim Report is a legal requirement under Section 37of the Flood Risk Management (Scotland) Act 2009 (the Act), which must be published between July 2018 and June 2019. This report includes a review of the Plan, published in June 2016, and 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 Findhorn, Nairn and Speyside Local Flood Risk Management Plan can be found at Moray Council FRM

3 Review of the Plan

This section sets out the review of the Plan and provides a summary of progress in delivering the actions identified in the Plan.

Key progress in reducing the impacts of flooding since publication

- Moray Council has completed high level Surface Water Management Plans for Elgin, and Rothes and Aberlour.
- The Highland Council has been working with Scottish Water to progress a Highland wide Surface Water Management Plan, which includes Newtonmore as a priority area.
- The Highland Council, in collaboration with Pitmain Estate in Kingussie has constructed a flood diversion channel off the River Gynack to reduce flood risk in Kingussie
- Scottish Water has completed modelling of the sewer network in Nairn, Garmouth and Fochabers.
- Significant progress has been made in investigating potential flood protection options for Lossiemouth Seatown.
- SEPA has continued to operate the flood warning systems along the Moray Firth Coastline and in Spynie, Spey Bay, Elgin, Forres, Nairn, Rothes and Aberlour, Carrbridge, Aviemore and Boat of Garten, Kingussie and Newtonmore.
- The requirements for updating the coastal and surface water maps has changed significantly since the Local Flood Risk Management Plan was published in June 2016. In the case of coastal mapping, SEPA is now updating coastal flood maps across the whole of northeast Scotland rather than in a few isolated sections of coast, including the Banff to Lossiemouth coast in this Local Plan District. It is planned that the improvements will be completed for this local Plan District in 2019. For surface water flooding, the underlying design rainfall data used to produce the flood maps has changed as a result of more data being collected and a better understanding of rainfall across Scotland. As such it is no longer considered appropriate to deliver updated flood maps for the relatively small areas identified in the Local flood Risk Management Plan. Instead SEPA will deliver a national update of this product. Due to the increase in scope it is expected that the national updates to the surface water maps will be completed early in the next cycle.

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

Since identification of the actions in the Plan, there have and continue to be advancements in our knowledge and development of assessment techniques. These include the publication by SEPA of a new National Flood Risk Assessment and revised designation of Potentially Vulnerable Areas in December 2018. These advancements may inform the delivery of 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 is the Interim Report, is current.

Significant issues

Based on a progress review of the Plan for Findhorn, Nairn and Speyside, the following key themes and issues have been identified that have or may have an impact on the delivery of actions to manage flood risk. *A*rrangements planned to deliver the remaining actions are described below. Where these issues 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’.

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’, (Findhorn, Nairn and Speyside Local Flood Risk Management Plan, June 2016).

The level of funding from Scottish Government for flood risk activities for the first 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 local authorities may have allocated these funds to the delivery of other priorities.

The Highland Council underwent a significant review of capital and revenue funding throughout 2017, culminating in the approval of a new revenue budget being approved in November 2017, followed by a new capital budget plan in March 2018. These changes reduced funding towards flood risk management, which has led to some actions being either delayed (due to funding uncertainty) or postponed (due to funding withdrawal).

Other actions

Moray Council has undertaken flood studies for Hopeman and Dallas after significant flooding occurred after the strategies were drafted. Flood protection works were undertaken at Dallas to protect the village for up to and including a 1 in 200 year event plus climate change. The findings of the study at Hopeman will be used to support consideration as an action in the Strategies and Plans for Cycle 2.

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 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.Based on the findings of studies undertaken in cycle 1, actions in Lossiemouth Seatown, Elgin, will be put forward for consideration in the next plan before December 2019.

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 indicated in the published Plan, subject to revisions in deliver dates as detailed in the 'Assessment of the progress of actions' section of this Interim Report.

The majority of the actions in the Plan will be delivered by June 2022.

Due to funding constraints the Aviemore Flood Protection Study is the only action The Highland Council is anticipating not delivering during this cycle. Unless future capital programme reviews can allocate funds towards this measure the action will be carried forward as an action for prioritisation in the second cycle. In the meantime, the area benefits from a Flood Warning Scheme, and awareness raising activities will be carried out to ensure the properties potentially at risk are resilient.

Next steps

A Final Report on the plan will be published 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.

Conclusions

The majority, approximately 81%, of the actions identified in the Plan are expected to be delivered within the timescales set when the plan was published in June 2016. Approximately 15% of the actions identified are delayed but expected to be delivered before the end of cycle 1 in 2022 Approximately 5% of the actions are not expected to be delivered in the first cycle and will now be considered for future cycles.

The delays in delivering actions are generally the result of issues that could reasonably be expected over a six year period, such as funding reviews and changes to the scope of work anticipated when the plans were published. While it is regrettable that these delays have occurred, every effort will be made to deliver the delayed actions as quickly as possible.

4 Assessment of progress

This section sets out an assessment of the progress towards implementing the actions set out in the Plan.

There are actions that apply across all of the Findhorn, Nairn and Speyside LPD and actions that are specific to each of the 14 Potentially Vulnerable Areas (as defined under Section 13 of the Act), which are shown below in Figure 1.

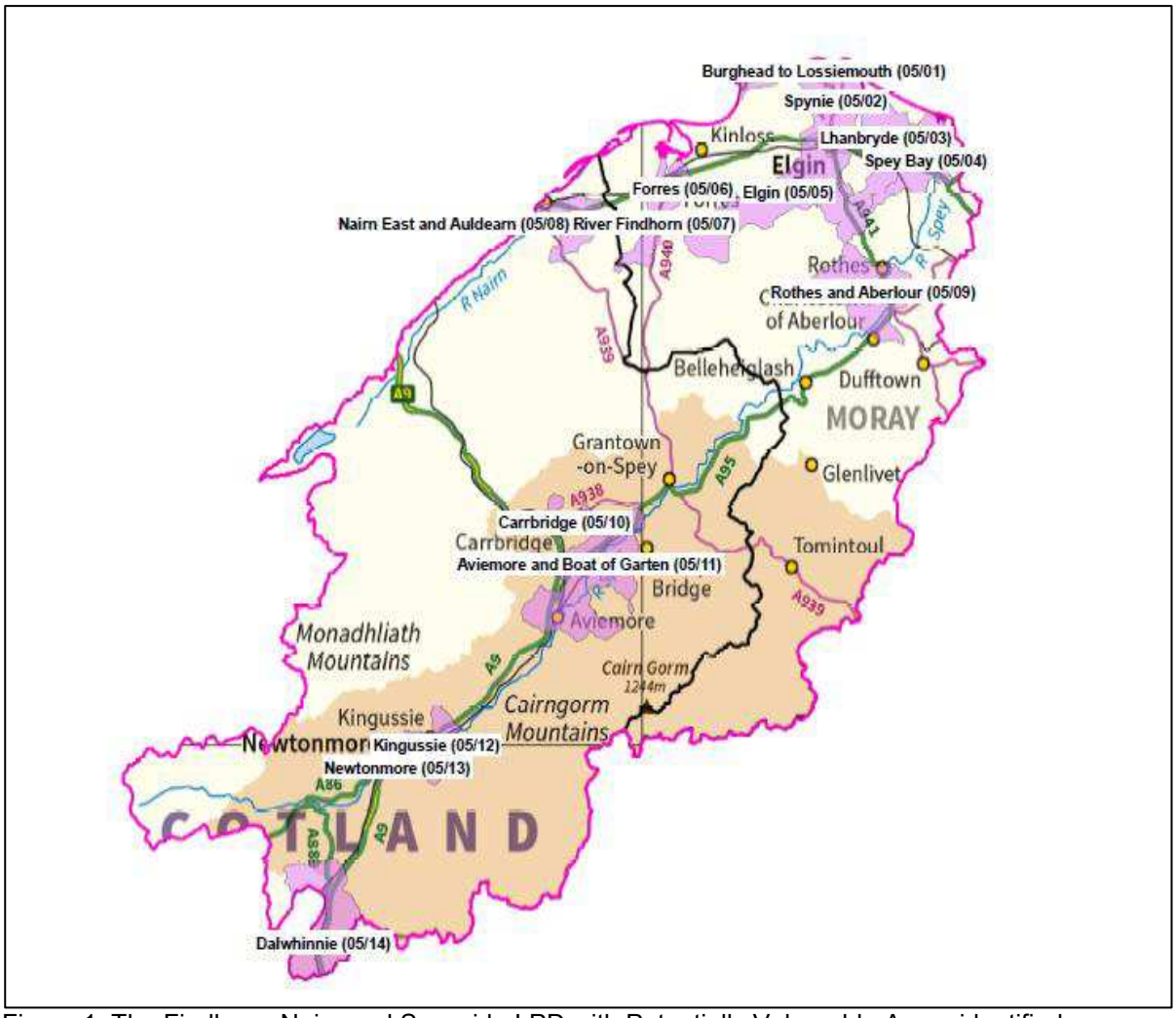

Figure 1: The Findhorn, Nairn and Speyside LPD with Potentially Vulnerable Areas identified
Details of Potentially Vulnerable Areas taken from Findhorn, Nairn and Speyside Flood Risk Management Strategy, SEPA (December 2015)

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

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

PVA	Flood Protection Scheme Works	Natural Flood Management Works	New Flood Warning	Flood Protection Study	Natural Flood Management Study	Surface Water Plan/Study	Strategic Mapping and Modelling SEPA Coastal	Strategic Mapping and Modelling SEPA Pluvial/Fluvial	Strategic Mapping and Modelling Scottish Water	Maintain Flood Protection Scheme	Maintain Flood Warning	Flood Forecasting	Property Level Protection Scheme	Community Flood Action Group	Self Help	Awareness Raising	Maintenance	Site Protection Plan	Emergency Response Plans	Planning Policy
05/01 Burghead to Lossiemouth							Amber		Green		Green	Green			Amber	Green	Green		Green	Green
05/02 Spynie				Green			Amber		Green		Green	Green			Amber	Green	Green		Green	Green
05/03 Lhanbryde									Green	Green		Green			Amber	Green	Green		Green	Green
05/04 Spey Bay							Amber	Red	Green		Green	Green		Amber	Amber	Green	Green		Green	Green
05/05 Elgin						Green		Red	Green	Green	Green	Green			Amber	Green	Green		Green	Green
05/06 Forres						Amber			Green	Green	Green	Green			Amber	Green	Green		Green	Green
05/07 Findhorn						Amber			Green	Green	Green	Green			Amber	Green	Green		Green	Green
05/08 Nairn East and Auldearn				Amber					Green		Green	Green			Amber	Green	Green		Green	Green
05/09 Rothes and Aberlour	Red					Green			Green	Green	Green	Green			Amber	Green	Green		Green	Green
05/10 Carrbridge											Green	Green			Amber	Green	Green		Green	Green
05/11 Aviemore & Boat of Garten				Red					Green		Green	Green			Amber	Green	Green		Green	Green
05/12 Kingussie				Amber					Green		Green	Green			Amber	Green	Green		Green	Green
05/13 Newtonmore						Green			Green		Green	Green		Green	Amber	Green	Green		Green	Green
05/14 Dalwhinnie								Red				Green			Amber	Green	Green		Green	Green

Figure 2: Summary of progress of actions to manage flood risk in the Potentially Vulnerable Areas of the Findhorn, Nairn and Speyside LPD

5 Progress with LPD-wide Actions

This section sets out an assessment of the progress towards implementing actions that apply across all of the Findhorn, Nairn and Speyside LPD over the six-year Plan, which is presented in Figure 3.

Action	Status	Description	Delivery Lead	Progress in Delivery, including key deliverables and dates	Planned actions to complete / address delay
Flood forecasting	**G**	The Scottish Flood Forecasting Service is a joint initiative between SEPA and the Met Office that produces daily, national flood guidance statements which are issued to Category 1 and 2 Responders**.**	SEPA	SEPA has continued to operate the Scottish Flood Forecasting Service (SFFS) Partnership with the Met Office with daily, national Flood Guidance Statements issued to Category 1 and 2 agencies (such as emergency responders, local authorities and other organisations with flooding management duties) and regional Flood Alerts issued to the public. Each daily statement gives an assessment of the risk of flooding for the next five days to enable these organisations to put preparations in place to reduce the impact of flooding. SEPA's Flood Alert service is freely available to everyone and enables communities to be aware and prepared to reduce the impacts of flooding.	SEPA will continue and improve the Scottish Flood Forecasting Service (SFFS) with the Met Office, with daily Flood Guidance Statements and regional Flood Alerts issued as required to enable communities and responders to reduce the impacts of flooding. SEPA is currently exploring options to develop a public version of the daily Flood Guidance Statement to provide better and earlier information to the public.
Self help	**A**	Everyone is responsible for protecting themselves and their property from flooding. Local authorities, SEPA, Scottish water and other organisations support communities by providing advice and help in coordinating resilience measures.	Property owners	To date no requests for support have been received by communities in the Findhorn, Nairn and Speyside LPD.	Local authorities, SEPA, Scottish water and other organisations will provide support to communities on request.
Awareness raising	**G**	SEPA and the responsible authorities have a duty to raise	SEPA and responsible authorities.	SEPA has delivered a range of awareness raising activities through campaigning, education activities and partnership delivery. SEPA has run national and local digital and direct engagement campaigns to raise awareness of flood risk and	SEPA will continue to raise awareness of flood risk through campaigning, developing education and engagement

		public awareness of flood risk. Improved awareness of flood risk and actions that prepare individuals, homes and businesses.		SEPA's flood warning service, Floodline. SEPA publish and publicise an electronic newsletter (Flooding Gateway) four times a year which is distributed to a wide audience. SEPA is working with Education Scotland and Scottish Government Resilience team to embed flooding awareness within the Curriculum for Excellence, and resilience partners in Safer Communities programmes. SEPA has also developed an online tool that helps everyone share information on current flooding issues (Report-a-Flood). We have worked in partnership with local authorities, emergency services and community organisations (e.g. Neighbourhood Watch Scotland, Citizens Advice Scotland and others) to share our resources and help to promote preparedness and understanding of how we manage flood risk in Scotland. SEPA has actively supported the Scottish Flood Forum and worked closely with UK agencies to develop joint flooding information. The Highland Council, working with SFF and SEPA has begun developing a strategy for encouraging community resilience across the Highlands. Moray Council has undertaken a number of visits to local schools to raise awareness and has held public exhibitions where studies/works are planned.	tools, creating new partnerships and improving the flood warning and forecasting service. Many of our awareness raising activities currently underway will continue. Our focus will be on promoting flood warning and forecasting service, innovation, education and engagement with partners and customers. and the public. The Highland Council is working towards a strategy to address flood resilience in relevant communities. Moray Council will continue its programme of school visits and will hold public information events as and when required.
Maintenance	**G**	Local authorities have a duty to assess watercourses and carry out clearance and repair works where such works would substantially reduce flood risk. Scottish Water undertakes risk-based inspections,	Responsible authorities	The Highland Council inspects watercourses within its region according to an inspection regime which also includes formal flood defences. The Highland Council's Schedule of Clearance and Repair Works are published online at: https://www.highland.gov.uk/info/1226/emergencies/81/flooding/5. Moray Council inspects waterbodies and flood protection schemes within its region according to a risk based inspection regime and maintenance works are undertaken where required. Moray Council's schedule of Clearance and Repair Work is published online at www.moray.gov.uk/flooding. Scottish Water's risk based inspections are in progress.	The Highland Council will continue with its inspection regime and publish its Schedule of Clearance and Repair Work. Moray Council will continue with its inspection regime and publish its Schedule of Clearance and Repair Work. Scottish Water will continue to undertake risk based inspection and repair of the public sewer system.

		maintenance and repair on the public sewer network.			
Emergency plans/response	**G**	Providing an emergency response to flooding is the responsibility of many organisations, including local authorities, the emergency services and SEPA.	Category 1 and 2 responders	The Highland Council Emergency Planners have in place and maintain Emergency Plans for all contingencies. Moray Council's Emergency Planner has in place and maintains an Emergency Plan for all contingencies.	No further action is planned.
Planning Policy	**G**	Scottish Planning Policy and accompanying Planning Advice Notes set out Scottish Ministers' priorities for the operation of the planning system and for the development and use of land in terms of flood risk management.	Planning authorities	The Highland Council, as a Planning Authority ensure that any new developments satisfy relevant guidance and policies on flooding and drainage. Moray Council, as Planning Authority ensure that any new developments satisfy relevant guidance and policies on flooding and drainage.	The Highland Council and Moray Council to continue with to ensure any new developments satisfy relevant guidance on flooding and drainage.

Figure 3: Progress with LPD-wide Actions for the Findhorn, Nairn and Speyside LPD

6 Progress with PVA-specific Actions

This section sets out an assessment of the progress towards implementing actions that are specific to each of the 14 PVAs as shown in Figure 2. Assessments of the progress of actions within each PVA are presented. Actions identified in the Plan for future cycles have not been included in this report as they will not be progressed until after 2022.

7. 1 Burghead to Lossiemouth (Potentially Vulnerable Area 05/01)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	Moray Coast

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Summary of progress for Burghead to Lossiemouth.

There are approximately 30 residential properties and 40 non-residential properties at risk of flooding. The Annual Average Damages are approximately £120,000. Further information can be found in LFRMP under PVA 05/01. Moray Council FRM

There are three actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Strategic mapping and modelling – Coastal, SEPA are updating the coastal flood maps across the whole of the north east of Scotland. As a result the update for this area Coastal, this is currently behind programme and is now planned for completion in 2019.
2. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
3. Maintain flood warning, this service continues to be operational.

Overview of actions to manage flood risk from Burghead to Lossiemouth

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/01				G			A		G		G	G			A	G	G		G	G

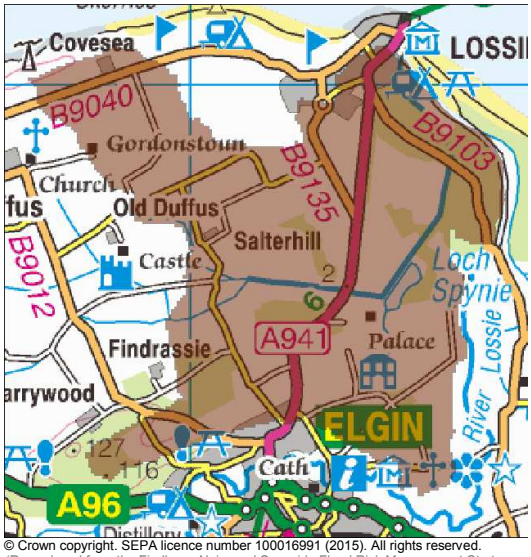
Summary of progress of actions to manage flood risk from Burghead to Lossiemouth (PVA 05/01)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Strategic mapping and modelling - Coastal	A	SEPA plan to develop the flood hazard mapping in the Banff to Lossiemouth area to improve understanding of coastal flood risk.	SEPA	2017	Following the establishment of a coastal flood hazard map, development framework and characterisation of the coastline, several projects are currently underway at this location: • Development of a national coastal joint probability dataset; • Update to the UK design extreme sea level dataset; • Coastal modelling and mapping project for north-east Scotland. These projects will collectively enable the revision of flood mapping for the coastline from Scrabster to Arbroath including the Orkney Islands.	It is planned to complete this action in 2019.
Strategic mapping and modelling	G	Scottish Water are undertaking investigation and modelling in the Lossiemouth sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	
Maintain flood warning	G	Continue to maintain the Findhorn to Lossiemouth flood warning area which is part of the Moray Firth Flood Warning scheme.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

7. 2 Spynie (Potentially Vulnerable Area 05/02)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	Moray Coast



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Summary of progress for Spynie.

There are approximately 80 residential properties and 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £260,000. Further information can be found in LFRMP under PVA 05/02. Moray Council FRM

There are four actions identified to reduce the impact of flooding in this PVA in this cycle.

1. A flood protection study for the Seatown area of Lossiemouth, which is currently on track to meet the agreed timescales.
2. Strategic mapping and modelling – Coastal, SEPA are updating the coastal flood maps across the whole of the north east of Scotland. As a result the update for this area is behind programme and is now planned for completion in 2019.
3. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
4. Maintain flood warning, this service continues to be operational.

Overview of actions to manage flood risk in Spynie

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/02				G			A		G		G	G			A	G	G		G	G

Summary of progress of actions to manage flood risk in Spynie (PVA 05/02)

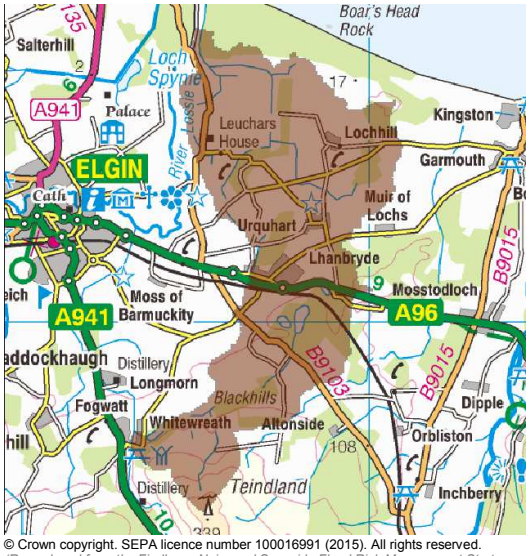
The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Flood Protection Study	**G**	A flood protection study is underway to consider a coastal flood protection scheme for Seatown in Lossiemouth.	Moray Council	2019	The feasibility section of this study is now complete and the option development is on track for completion in 2019.	2019
Strategic mapping and modelling - Coastal	**A**	SEPA plan to develop the flood hazard mapping in the Banff to Lossiemouth area to improve understanding of coastal flood risk.	SEPA	2017	Following the establishment of a coastal flood hazard map development framework and characterisation of the coastline, several projects are currently underway at this location: • Development of a national coastal joint probability dataset; • Update to the UK design extreme sea level dataset; • Coastal modelling and mapping project for north-east Scotland. These projects will collectively enable the revision of flood mapping for the coastline from Scrabster to Arbroath including the Orkney Islands.	It is planned to complete this action in 2019.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Lossiemouth sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	2019
Maintain flood warning	G	Continue to maintain the Findhorn to Lossiemouth flood warning area which is part of the Moray Firth Flood	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

		Warning scheme.				

7. 3 Lhanbryde (Potentially Vulnerable Area 05/03)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	Lhanbryde Burn



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Summary of progress for Lhanbryde.

There are approximately 60 residential properties and 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £160,000. Further information can be found in LFRMP under PVA 05/03. Moray Council FRM

There are three actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Maintenance of the Lhanbryde Flood Prevention Scheme is ongoing.
2. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.

Overview of actions to manage flood risk in Lhanbryde

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	Strategic mapping and modelling	Strategic mapping and modelling SW	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
05/03									G	G		G			A	G	G		G	G

Summary of progress of actions to manage flood risk in Lhanbryde (PVA 05/03)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Maintain Flood Scheme	G	Continue to maintain the Lhanbryde Flood Prevention Scheme.	Moray Council	2019	Moray Council continue to maintain the Lhanbryde Flood Prevention Scheme.	Moray Council will continue to maintain this scheme.
Strategic mapping and modelling	G	Scottish Water are undertaking investigation and modelling in the Lossiemouth sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	2019

7. 4 Spey Bay (Potentially Vulnerable Area 05/04)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	River Spey / Moray Coast

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Summary of progress for Spey Bay.

There are approximately 40 residential properties and 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £120,000. Further information can be found in LFRMP under PVA 05/04. Moray Council FRM

There are five actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Strategic mapping and modelling – Coastal, SEPA are updating the coastal flood maps across the whole of the north east of Scotland. As a result the update for this area is behind programme and is now planned for completion in 2019. Surface water – this mapping is behind schedule and is unlikely to be complete before the end of the first cycle as the scope of work has increased significantly.
2. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
3. Maintain flood warning, this service continues to be operational.
4. Community Flood Action Groups – there have been no requests for engagement from the flood action groups in this area since the plan was published in 2016.

Overview of actions to manage flood risk in Spey Bay

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/04							A	R	G		G	G		A	A	G	G		G	G

Summary of progress of actions to manage flood risk in Spey Bay (PVA 05/04)

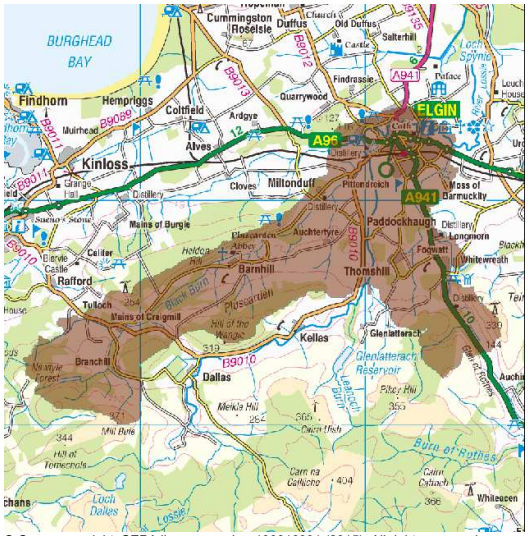
The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Strategic mapping and modelling - Coastal	**A**	SEPA plan to develop the flood hazard mapping in the Banff to Lossiemouth area to improve understanding of coastal flood risk.	SEPA	2017	Following the establishment of a coastal flood hazard map development framework and characterisation of the coastline, several projects are currently underway at this location: • Development of a national coastal joint probability dataset; • Update to the UK design extreme sea level dataset; • Coastal modelling and mapping project for north-east Scotland. These projects will collectively enable the revision of flood mapping for the coastline from Scrabster to Arbroath including the Orkney Islands.	It is planned to complete this action in 2019.
Strategic mapping and modelling	**R**	SEPA undertook to incorporate additional surface water hazard mapping information into the flood maps to improve understanding of flood risk.	SEPA	2018	SEPA's current surface water hazard maps use design rainfall estimates based on FEH99 methodology, this has now been superseded by FEH13 methodology. The FEH13 dataset contains the latest science and understanding	This action will not be taken forwards as described. SEPA will develop new surface water flood hazard maps over the remainder of Cycle 1. It is anticipated that updated flood mapping from this revised action will be available early in Cycle 2. Alongside this SEPA will investigate the

					of rainfall across Scotland and represents a significant change in rainfall amounts compared to FEH99 dataset, as such it is no longer consider appropriate to deliver this action as originally intended.	feasibility of developing an interim approach to assess the change in surface water hazard (and risk) associated with FEH13, such that we could consider it in the development of the 2021 FRM Strategies.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Lossiemouth sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	2019
Maintain flood warning	G	Continue to maintain the Findhorn to Lossiemouth flood warning area which is part of the Moray Firth Flood Warning scheme.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service
Community Flood Action Group	**A**	Engage with flood action groups in the Garmouth and Kingston area with regard to flooding issues	Community	Ongoing	No flood action groups in this area have communicated with the responsible authorities since publishing the plan in 2016.	Ongoing

7. 5 Elgin (Potentially Vulnerable Area 05/05)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	River Lossie



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Summary of progress for Elgin.

There are approximately 140 residential properties and 110 non-residential properties at risk of flooding. The Annual Average Damages are approximately £750,000. Further information can be found in LFRMP under PVA 05/05. Moray Council FRM

There are six actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Maintenance of the Elgin Flood Protection Scheme has been ongoing since the Plan was published in 2016
2. Surface Water Plans/Study – a high level Surface Water Management Plan for Moray is complete and Elgin is one of the focus areas within this plan.
3. Strategic mapping and modelling surface water – this mapping is behind schedule and is unlikely to be complete before the end of the first cycle as the scope of work has increased significantly.
4. Maintain flood warning, this service continues to be operational.
5. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.

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Overview of actions to manage flood risk in Elgin

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/05						G		R	G	G	G	G			A	G	G		G	G

Summary of progress of actions to manage flood risk in Elgin (PVA 05/05)

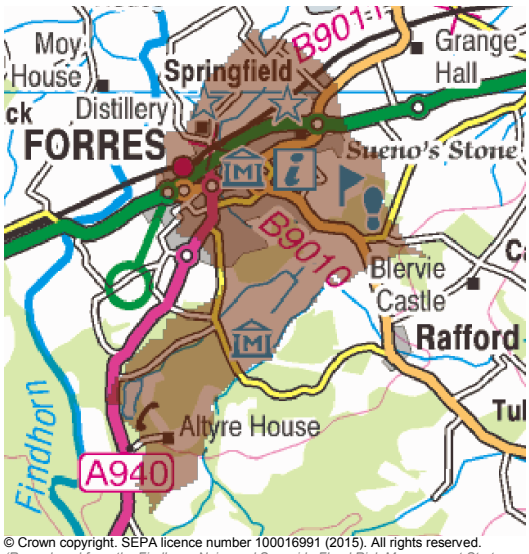
The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Maintain Flood Scheme	G	Continue to maintain the Elgin Flood Prevention Scheme.	Moray Council	2019	Moray Council continue to maintain the Elgin Flood Prevention Scheme.	Moray Council will continue to maintain this scheme.
Surface Water Plans/Study	G	Elgin is a priority area within the Surface Water Management Plan that Moray Council will prepare for Moray.	Moray Council	2019	The high level Surface Water Management Plan for this area is complete and actions identified will be developed for inclusion as works in future cycles.	Action complete.
Strategic mapping and modelling	R	SEPA undertook to incorporate additional surface water hazard mapping information into the flood maps to improve understanding of flood risk.	SEPA	2018	SEPA's current surface water hazard maps use design rainfall estimates based on FEH99 methodology, this has now been superseded by FEH13 methodology. The FEH13 dataset contains the latest science and understanding of rainfall across Scotland and represents a significant change in rainfall amounts compared to FEH99 dataset, as such it is no longer consider appropriate to deliver this action as originally intended.	This action will not be taken forwards as described. SEPA will develop new surface water flood hazard maps over the remainder of Cycle 1. It is anticipated that updated flood mapping from this revised action will be available early in Cycle 2. Alongside this SEPA will investigate the feasibility of developing an interim approach to assess the change in surface water hazard (and risk) associated with FEH13, such that we could consider it in the development of the 2021 FRM Strategies.
Maintain flood warning	G	Continue to maintain flood warning in Elgin, which warns of flooding from the River Lossie.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service
Strategic mapping and modelling	G	Scottish Water are undertaking investigation and modelling in the Lossiemouth sewer catchment to improve knowledge and	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	2019

		understanding of flood risk in this area.				

7. 6 Forres (Potentially Vulnerable Area 05/06)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	Burn of Mosset



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Summary of progress for Forres.

There are approximately 200 residential properties and 20 non-residential properties at risk of flooding. The Annual Average Damages are approximately £380,000. Further information can be found in LFRMP under PVA 05/06. Moray Council FRM

There are five actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Maintenance of the Burn of Mosset Flood Protection Scheme has been ongoing since the Plan was published in 2016
2. Surface Water Plans/Study – Forres is a priority area in the Moray Surface Water Management Plan but work to complete the work for Forres will not be undertaken until the findings of the modelling study undertaken by Scottish Water are available.
3. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
4. Maintain flood warning – this service continues to be operational.

Overview of actions to manage flood risk in Forres

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/06						A			G	G	G	G			A	G	G		G	G

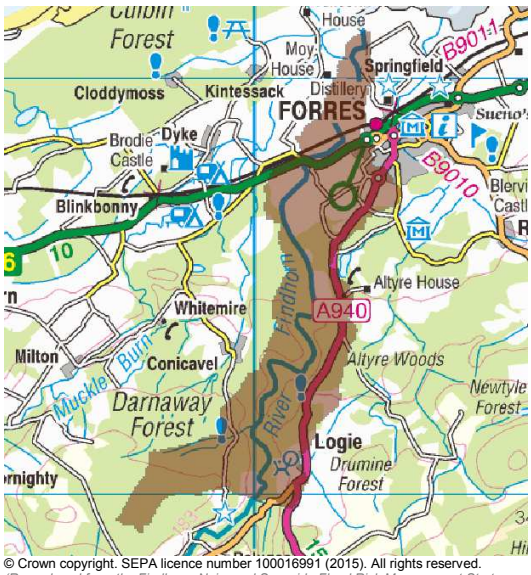
Summary of progress of actions to manage flood risk in Forres (PVA 05/06)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Maintain Flood Scheme	**G**	Continue to maintain the Burn of Mosset Flood Prevention Scheme.	Moray Council	2019	Moray Council continue to maintain the Burn of Mosset Flood Prevention Scheme.	Moray Council will continue to maintain this scheme.
Surface Water Plans/Study	**A**	Forres is a priority area within the Surface Water Management Plan that Moray Council will prepare for Moray.	Moray Council	2019	The proposed Integrated Catchment Study for Forres has been downgraded to a Section 16 assessment that will be completed in 2020. The findings of this assessment will inform the Surface Water Management Plan for Forres.	The Surface Water Management Plan for the Forres area will be developed between 2020 and 2022.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Forres sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2020	On track to deliver within agreed LFRMP timescales	2020
Maintain flood warning	G	Continue to maintain flood warning in Forres, which warns of flooding from the River Findhorn.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

7. 7 Findhorn (Potentially Vulnerable Area 05/07)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	River Findhorn



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Summary of progress for Findhorn.

There are approximately 100 residential properties and fewer than 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £200,000. Further information can be found in LFRMP under PVA 05/07. Moray Council FRM

There are five actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Maintenance of the Findhorn Flood Protection Scheme has been ongoing since the Plan was published in 2016
2. Surface Water Plans/Study – Forres is a priority area in the Moray Surface Water Management Plan but work to complete the work for Forres will not be undertaken until the findings of the modelling study undertaken by Scottish Water are available.
3. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
4. Maintain flood warning – this service continues to be operational.

Overview of actions to manage flood risk from the River Findhorn

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/07						A			G	G	G	G			A	G	G		G	G

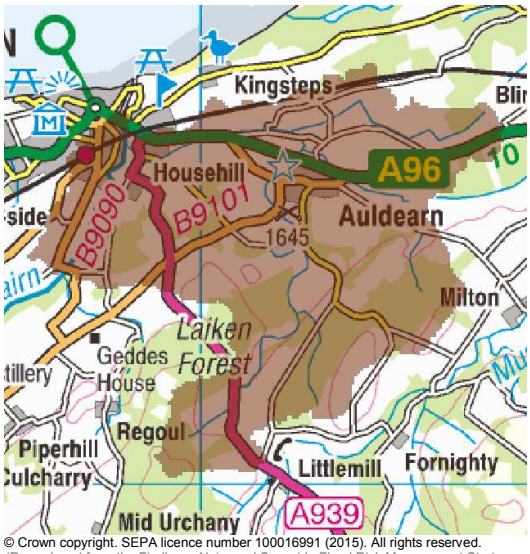
Summary of progress of actions to manage flood risk from the River Findhorn (PVA 05/07)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Maintain Flood Scheme	**G**	Continue to maintain the Findhorn Flood Prevention Scheme.	Moray Council	2019	Moray Council continue to maintain the Findhorn Flood Prevention Scheme.	Moray Council will continue to maintain this scheme.
Surface Water Plans/Study	**A**	Forres is a priority area within the Surface Water Management Plan that Moray Council will prepare for Moray.	Moray Council	2019	The proposed Integrated Catchment Study for Forres has been downgraded to a Section 16 assessment that will be completed in 2020. The findings of this assessment will inform the Surface Water Management Plan for Forres.	The Surface Water Management Plan for the Forres area will be developed between 2020 and 2022.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Forres sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2020	On track to deliver within agreed LFRMP timescales	2020
Maintain flood warning	G	Continue to maintain flood warning in Forres, which warns of flooding from the River Findhorn.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

7. 8 Nairn East and Auldearn (Potentially Vulnerable Area 05/08)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	The Highland Council	River Nairn / Auldearn Burn



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Summary of progress for Nairn East and Auldearn.

There are approximately 80 residential properties and 30 non-residential properties at risk of flooding. The Annual Average Damages are approximately £230,000. Further information can be found in LFRMP under PVA 05/08. Moray Council FRM

There are five actions identified to reduce the impact of flooding in this PVA in this cycle.

1. The Highland Council has progressed the assessment of flood risk from the Auldearn Burn.
2. The Highland Council will commission a wider study of the flood risk from the River Nairn and sea in the remainder of this cycle.
3. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
4. Maintain flood warning – this service continues to be operational.

Overview of actions to manage flood risk from River Nairn and Auldearn Burn.

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/08				A					G		G	G			A	G	G		G	G

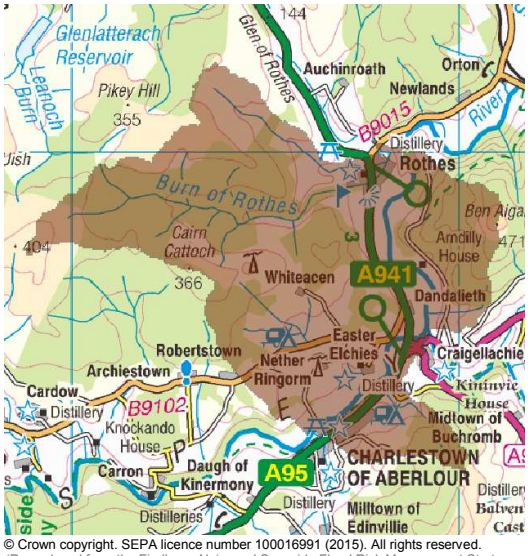
Summary of progress of actions to manage in Nairn East and Auldearn (PVA 05/08)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Flood Protection Study	**A**	A flood study will investigate the feasibility of providing flood protection for the Balmakeith area of Nairn from the Auldearn Burn and the River Nairn.	The Highland Council	2019	The Highland Council has progressed the assessment of flood risk from the Auldearn Burn, and is reviewing options. The Flood Protection Study for the River Nairn and coastal flood risk has not yet started due to uncertainty in the Capital Programme. The Highland Council still aims to complete the Study by 2022.	The Highland Council plans to tender the Study in 2019.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Nairn sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2020	On track to deliver within agreed LFRMP timescales	2020
Maintain flood warning	G	Continue to maintain flood warning in Nairn, which warns of flooding from the River Nairn.	SEPA	Ongoing	SEPA has continued to operate the flood warning service. SEPA has merged the 'Nairn (River Park)' and 'Nairn' flood warning areas to create a new flood warning area for 'Nairn'.	SEPA will continue to operate the flood warning service

7. 9 Rothes and Aberlour (Potentially Vulnerable Area 05/09)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	Moray Council	River Spey



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Summary of progress for Rothes and Aberlour.

There are approximately 350 residential properties and 100 non-residential properties at risk of flooding. The Annual Average Damages are approximately £390,000. Further information can be found in LFRMP under PVA 05/09. Moray Council FRM

There are six actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Maintenance of the Aberlour Flood Protections Scheme has been ongoing since the plan was published in 2016
2. Maintenance of the Rothes Flood Protections Scheme has been ongoing since the plan was published in 6
3. Surface Water Plans/Study – a high level Surface Water Management Plan for Moray is complete and Rothes and Aberlour is a priority area within this plan.
4. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
5. Maintain flood warning, this service continues to be operational.
6. Flood protection works to be undertaken by electricity sub-station owner – no information is currently available regarding this action.

Overview of actions to manage flood risk in Rothes and Aberlour

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/09	R					G			G	G	G	G			A	G	G		G	G

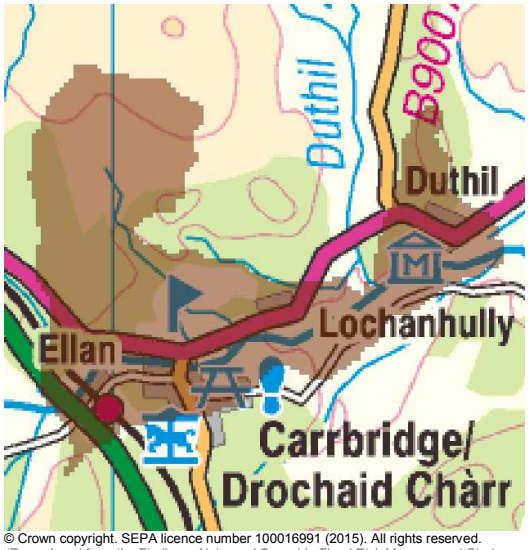
Summary of progress of actions to manage flood risk in Rothes and Aberlour (PVA 05/09)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Maintain Flood Scheme	G	Continue to maintain the Aberlour Flood Prevention Scheme.	Moray Council	2019	Moray Council continue to maintain the Aberlour Flood Prevention Scheme.	Moray Council will continue to maintain this scheme.
Maintain Flood Scheme	G	Continue to maintain the Rothes Flood Prevention Scheme.	Moray Council	2019	Moray Council continue to maintain the Rothes Flood Prevention Scheme.	Moray Council will continue to maintain this scheme.
Surface Water Plans/Study	G	Rothes and Aberlour is a priority area within the Surface Water Management Plan that Moray Council will prepare for Moray.	Moray Council	2019	The high level Surface Water Management Plan for this area is complete and actions identified will be developed for inclusion as works in future cycles.	Action complete.
Strategic mapping and modelling	G	Scottish Water are undertaking investigation and modelling in the Aberlour and Rothes catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2020	On track to deliver within agreed LFRMP timescales	2020
Maintain flood warning	G	Continue to maintain flood warning in Rothes and Aberlour, which warns of flooding from the River Spey.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service
Flood Protection Works	R	Flood protection works to reduce flooding to an electricity sub-station in Rothes.	Asset owner	2021	No information currently available	Works programmed for completion in 2033.

7. 10 Carrbridge (Potentially Vulnerable Area 05/10)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	The Highland Council	River Spey



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Summary of progress for Carrbridge.

There are fewer than 10 residential properties at risk of flooding. The Annual Average Damages are approximately £9,000. Further information can be found in LFRMP under PVA 05/10. Moray Council FRM

There are two actions identified to reduce the impact of flooding in this PVA in this cycle.

1. SEPA maintains the 'Sluggan to Dulnain' flood warning area.

Overview of actions to manage flood risk in Carrbridge

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/10											G	G			A	G	G		G	G

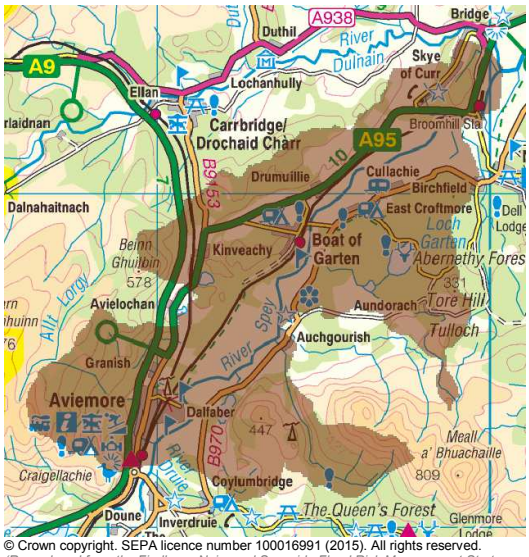
Summary of progress of actions to manage flood risk in Carrbridge (PVA 05/10)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	**Status (Red; Amber; Green)**	**Description**	**Delivery Lead**	**Planned Dates**	**Progress in Delivery, including key deliverables and dates**	**Revised dates and planned actions to complete / address delay**
Maintain flood warning	G	Continue to maintain flood warning in Rothes and Aberlour, which warns of flooding from the River Spey.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

7. 11 Aviemore and Boat of Garten (Potentially Vulnerable Area 05/11)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	The Highland Council	River Spey



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Summary of progress for Aveimore and Boat of Garten.

There are approximately 70 residential properties and 30 non-residential properties at risk of flooding. The Annual Average Damages are approximately £180,000. Further information can be found in LFRMP under PVA 05/11. Moray Council FRM

There are three actions identified to reduce the impact of flooding in this PVA in this cycle.

1. The Flood Protection Study planned to be carried out this cycle by The Highland Council, to provide a scheme for Dalfaber Road, Aviemore has not progressed due to funding constraints.
2. Scottish Water are on track to carry out modelling of the flood risk in Aviemore
3. SEPA continue to maintain the 'Aviemore/ Dalfaber Road' flood warning scheme

Overview of actions to manage flood risk in Aviemore and Boat of Garten

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/11				R					G		G	G			A	G	G		G	G

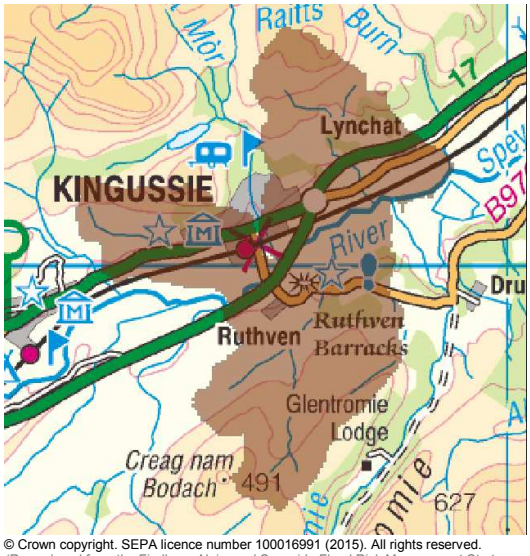
Summary of progress of actions to manage flood risk Aviemore and Boat of Garten (PVA 05/11)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	**Status (Red; Amber; Green)**	**Description**	**Delivery Lead**	**Planned Dates**	**Progress in Delivery, including key deliverables and dates**	**Revised dates and planned actions to complete / address delay**
Flood Protection Study	**R**	A flood study will investigate the feasibility of providing flood protection for the Dalfaber Road area of Aviemore from the River Spey.	The Highland Council	2022	Due to a reduction of funding to The Highland Council's Capital Programme (March 2018) this study will not be progressed in the first cycle (2016-2022).	Unless future reviews of the Capital Programme can allocate funds to this Flood Protection Study, it will not progress this cycle and will have to be prioritised against actions in cycle 2.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Aviemore sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2018	On track to deliver within agreed LFRMP timescales	2018
Maintain flood warning	G	Continue to maintain flood warning in Aviemore, which warns of flooding from the River Spey.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

7. 12 Kingussie (Potentially Vulnerable Area 05/12)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	The Highland Council	Gynack Burn



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Summary of progress for Kingussie.

There are approximately 30 residential properties and 20 non-residential properties at risk of flooding. The Annual Average Damages are approximately £92,000. Further information can be found in LFRMP under PVA 05/12. Moray Council FRM

There are four actions identified to reduce the impact of flooding in this PVA in this cycle.

1. The Highland Council in collaboration with Pitmain Estate, has constructed a flood diversion channel on the River Gynack in the upper catchment
2. The Highland Council plans to further develop a flood study for Kingussie, focusing on the River Gynack in the remainder of this cycle.
3. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
4. Maintain flood warning – this service continues to be operational.

Overview of actions to manage flood risk in Kingussie

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/12				A					G		G	G			A	G	G		G	G

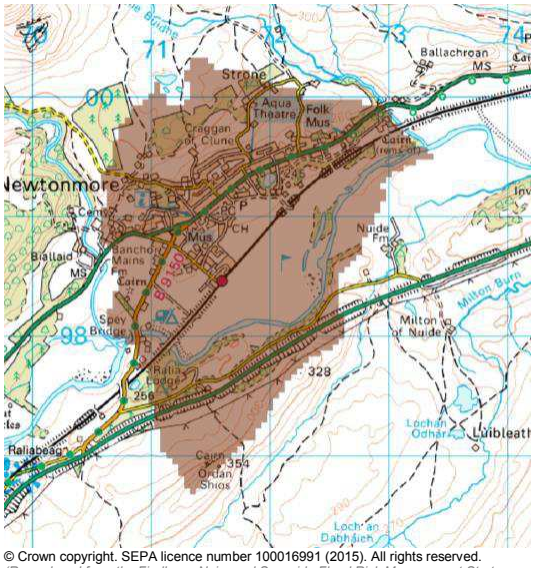
Summary of progress of actions to manage flood risk in Kingussie (PVA 05/12)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Flood Protection Study	**A**	A flood study to investigate the feasibility of providing flood protection for Kingussie from the River Gynack.	The Highland Council	2019	The Highland Council has worked with the Pitman Estate to construct a flood diversion channel from the River Gynack to Loch Gynack, which will alleviate the flood risk to Kingussie (completed Spring 2018).	The Highland Council plans to commission a Flood Protection Study in 2019.
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Kingussie sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	2019
Maintain flood warning	G	Continue to maintain flood warning in Aviemore, which warns of flooding from the River Spey.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service

7. 13 Newtonmore (Potentially Vulnerable Area 05/13)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	The Highland Council	River Spey



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Summary of progress for Newtonmore.

There are approximately 20 residential properties and 20 non-residential properties at risk of flooding. The Annual Average Damages are approximately £41,000. Further information can be found in LFRMP under PVA 05/13. Moray Council FRM

There are five actions identified to reduce the impact of flooding in this PVA in this cycle.

1. A Highland wide Surface Water Management Plan is currently being developed and Newtonmore is a priority area within this plan.
2. Strategic mapping and modelling – Sewer network, this action is on track to deliver within the agreed timescales.
3. Maintain flood warning, this service continues to be operational.
4. Flood protection works to be undertaken by Transport Scotland in the second cycle.
5. Community Flood Action Group – The Highland Council has engaged with local groups in developing the Surface Water Management Plan.

Overview of actions to manage flood risk in Newtonmore

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/13						G			G		G	G		G	A	G	G		G	G

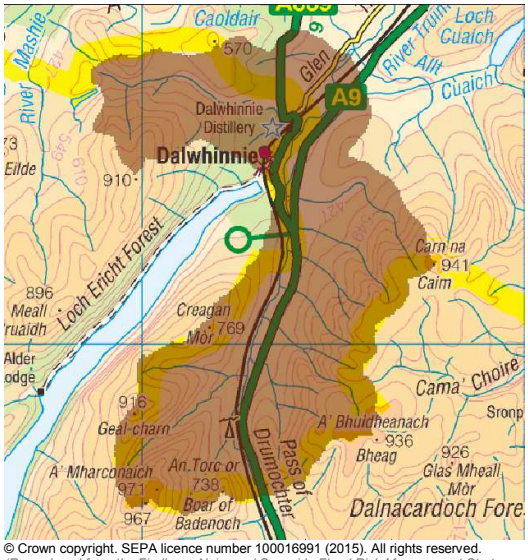
Summary of progress of actions to manage flood risk in Newtonmore (PVA 05/13)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Surface Water Plan/Study	**G**	The Highland Council will develop a Highland-wide Surface Water Management Plan. Newtonmore will be one of the focus areas.	The Highland Council	2021	The Highland Council has started work on developing a Highland wide Surface Water Management Plan. Initial meetings have been held with Scottish Water to progress this plan.	Further work is required to develop the plan. Aiming for the plan to completed by 2022
Strategic mapping and modelling	**G**	Scottish Water are undertaking investigation and modelling in the Newtonmore sewer catchment to improve knowledge and understanding of flood risk in this area.	Scottish Water	2019	On track to deliver within agreed LFRMP timescales	2019
Maintain flood warning	G	Continue to maintain flood warning in Newtonmore, which warns of flooding from the River Spey.	SEPA	Ongoing	SEPA has continued to operate the flood warning service	SEPA will continue to operate the flood warning service
Community Flood Action Groups	**G**	The Newtonmore Community Council and Newtonmore Community Woodlands and Development Trust have engaged with authorities with respect to flooding issues in the past	Community		The Highland Council has engaged with local groups in the development of the Surface Water Management Plan.	Further engagement will be carried out to build resilience and raise awareness.

7. 14 Dalwhinnie (Potentially Vulnerable Area 05/14)

Local Plan District	Local authority	Main catchment
Findhorn, Nairn and Speyside	The Highland Council	River Truim



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Summary of progress for Dalwhinnie.

There are approximately 20 residential properties and fewer than 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £170,000. Further information can be found in LFRMP under PVA 05/14. Moray Council FRM

There is one actions identified to reduce the impact of flooding in this PVA in this cycle.

1. Strategic mapping and modelling – a review of existing modelling to determine if improvements can be made to the flood maps is unlikely to be completed in this cycle.

Overview of actions to manage flood risk in Dalwhinnie

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	Strategic mapping and modelling SEPA Pluvial /	Strategic mapping and modelling SW	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
05/14								R				G			A	G	G		G	G

Summary of progress of actions to manage flood risk in Dalwhinnie (PVA 05/14)

The actions identified below are specific to this PVA. Progress on actions that have been undertaken over the entire LPD is provided in Section 6 of this report.

Action	Status (Red; Amber; Green)	Description	Delivery Lead	Planned Dates	Progress in Delivery, including key deliverables and dates	Revised dates and planned actions to complete / address delay
Strategic mapping and modelling	**R**	SEPA will develop the strategic mapping for the River Trium in Dalwhinnie, taking into consideration information from the A9 dualling.	SEPA	2021	As part of the ongoing A9 Dualling Programme, a topographic survey has been undertaken. A modelling study on the River Truim has been undertaken as part of the A9 Dalwhinnie to Crubenmore road project.	Clarification is being sought from Transport Scotland over the likely timescales for the availability of this study. SEPA will await the conclusion of this study and a final route selection for the A9 at this location before progressing further with this action. Given the ongoing A9 dualling programme it is anticipated that this action will not progress to a study prior to Cycle 2. SEPA will continue to engage with Transport Scotland and their contractors for any opportunities to progress this action prior to Cycle 2 if appropriate.

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 Findhorn, Nairn and Speyside
Local Flood Risk Management Plan for Findhorn, Nairn and Speyside

Legal requirement

This document sets out the conclusions of the review of the Local Flood Risk Management Plan (LFRMP) for the Findhorn, Nairn and Speyside 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 Findhorn, Nairn and Speyside LFRMP was published in June 2016, therefore, the Interim Report needs to be published between July 2018 and June 2019. The Interim Report provides 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 Findhorn, Nairn and Speyside LPD are:

- Moray Council (lead authority)
- The Highland Council
- Cairngorms National Park
- Forestry Commission Scotland
- 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 Findhorn, Nairn and Speyside LFRMP will be made available for public inspection, as per Section 37(2) of the Act, via the website of the lead authority, Moray Council:

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

Links to the published Interim Report for the Findhorn, Nairn and Speyside 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 Findhorn, Nairn and Speyside LFRMP is also available for public inspection on weekdays between 9am and 5pm at the following location(s):

Council access points in Elgin, Forres, Keith and Buckie, Elgin Library and at Highland Council's offices in Dingwall.

Copies of the published Interim Report for the Findhorn, Nairn and Speyside LFRMP may also be available at offices of other responsible authorities.

Detailed arrangements for publication of the Interim Report for Findhorn, Nairn and Speyside LFRMP are in Appendix 2.

Appendix 2: Publication details

Flood Risk Management (Scotland) Act 2009
Publication of Interim Report for the Findhorn, Nairn and Speyside Local Flood Risk Management Plan –
Summary of Proposed Communications Activities

The following communications activities will be used to publicise and make the Interim Report available:

- Upon finalising the Interim Report for the Findhorn, Nairn and Speyside Local FRM Plan, Sections 37(2), 53 and 54 of the Act specifically require Moray Council, as the lead authority, to
    - Publish an Interim Report on the Findhorn, Nairn and Speyside Local FRM Plan;
    - Make copies of the Interim Report available for public inspection free of charge and at all reasonable times;
    - Publicise the arrangements for making it available by means of a notice in the appropriate newspapers (at least one Scottish newspaper and such local newspapers within the LPD as considered appropriate)

- The Interim Report for the Findhorn, Nairn and Speyside Local FRM Plan will be published in a hard copy format and a pdf version will also be made available on the Council's website at Moray Council FRM

- Hard copies of the Interim Report for the Findhorn, Nairn and Speyside Local FRM Plan will be held and made available upon request at the Moray Council's Access points in Elgin, Forres, Keith and Buckie and Elgin Library. The Plan can also be viewed at Highland Council's offices in Dingwall.

- A letter (with a pdf version of the report on DVD) will be sent to SEPA and the Scottish Ministers.

- On or before the publication date [*to be advised*], public notices will be placed in the *Press and Journal and The Northern Scott,* fulfilling our duties to publicise the Interim Report in accordance with Sections 37, 53 and 54 of the 2009 Act.