

Agenda Item	11
Report No	ECI/8/21

HIGHLAND COUNCIL

Committee: Economy and Infrastructure Committee

Date: 4 February 2021

Report Title: Flood Risk Management (SCOTLAND) Act 2009 – Draft Local Flood Risk Management Plans Cycle 2 for the Highland & Argyll, and Findhorn, Nairn and Speyside Local Plan Districts.

Report By: Executive Chief Officer Infrastructure and Environment

1. Purpose/Executive Summary

- 1.1 The Flood Risk Management (Scotland) Act (2009) (the Act) sets out a process for delivering a plan-led, risk-based approach to flood risk management in Scotland. The legislation requires all ‘responsible authorities’ (as defined by the Act and Scottish Ministers) to work collaboratively to assess and agree a plan of measures (or actions) to reduce the risk of flooding in the most vulnerable areas in their Local Plan District (LPD).
- 1.2 SEPA are responsible for developing Flood Risk Management Strategies (FRM Strategies) (background information on flooding history, characterisation and prioritising areas for setting Objectives) which provides the basis from which Lead Local Authorities develop Local Flood Risk Management Plans (Local FRM Plans) (identifying detail on what actions entail, who will undertake them and when they will be done). Although the Strategy and the Plans are separate reports, much of the background information in each are the same and significant partnership working among the responsible authorities has been undertaken. The planned consultation will therefore be undertaken as a joint exercise, hosted and coordinated by SEPA online platform, Citizen Space, utilising SEPA expertise and reducing Council resource requirements, whilst providing the public with a consistent, streamlined consultation process.
- 1.3 The format and layout of the online consultation material has not yet been decided by SEPA. The purpose of this report is to inform members of the data which will be consulted on to enable development of the Flood Risk Management Strategies for publication by SEPA and Local Flood Risk Management Plans published by The Highland Council. This data is provided in **Appendix 1**.

2. Recommendations

- 2.1 Members are invited to:

- i. **note** work undertaken to date in partnership with SEPA to allow SEPA to publish draft Flood Risk Management Strategy information for joint consultation on 21 March 2021;
- ii. **agree** to the publication of the potential Actions for the Local Flood Risk Management Plan for Highland and Argyll Local Plan District and the Local Flood Risk Management Plan for Findhorn, Nairn and Speyside Local Plan District on 21 March 2021, as shown in **Appendix 1**; and
- iii. **note** a further report on the final Flood Risk Management Strategies and Plans will be brought to committee, after the public consultation closes on 21 June 2021.

3. Implications

- 3.1 Resource - Unless budgetary provision is already allocated, the finalised actions from the Plans will require to be considered for funding through the Council's normal financial budgeting processes. Consultative drafts of the Local FRM Plans will not include specific financial commitments unless these are already agreed by the Council, e.g. are defined within the existing approved Capital Plan. Any significant Flood Risk Management schemes or works would be subject to securing grant funding from Scottish Government with a current intervention rate of 80% grant, noting that grant funding will be allocated on a prioritisation basis.
- 3.2 Legal - There are statutory deadlines for the consultation as set out in the Act.
- 3.3 Community (Equality, Poverty and Rural) - Consultation on the Plan has no impact on equalities.
- 3.4 Climate Change / Carbon Clever - Implementation of the Plans will ensure that The Highland Council has set out a strategic, plan-led approach to managing flood risk, and will consider the impacts of climate change. Development and design of flood schemes progressed taking cognisance of the impacts of climate change, in accordance with contemporary published guidance.
- 3.5 Risk - If this Committee does not approve the content of the draft Local FRM Plans, or recommend modifications to the draft Plans, it will not be completed before the deadline for joint SEPA consultation of March 2021 and The Highland Council will have to undertake its own consultation process.
- 3.6 Gaelic - There are no known Gaelic implications arising from this report.

4 Background

- 4.1 The Flood Risk Management (Scotland) Act 2009 requires SEPA, working in partnership with Responsible Authorities, including Local Authorities, Forestry Commission Scotland and National Parks Authority to deliver FRM Strategies and Local FRM Plans. Both run on 6-year cycles.
- 4.2 FRM Strategies set the national direction of future flood risk management, helping to target investment and coordinate actions across public bodies. SEPA is responsible for publishing FRM Strategies. The strategies explain what causes flooding in high risk areas as well as the impacts when flooding does occur. This information is used as a basis for better decision-making across flood risk management organisations.

- 4.3 Local FRM Plans are developed in parallel and provide additional local detail on the funding and delivery timetable for specific actions.
- 4.4 Under the Act, Scotland has been split into 14 Local Plan Districts (LPDs) and each of these LPDs has a Lead Local Authority. Each LPD has a designated Lead Local Authority that is responsible for publishing the Local FRM Plan for that district.
- 4.5 The Highland Council is Lead Local Authority for the Highland and Argyll LPD, working in partnership with Argyll and Bute Council and other Responsible Authorities listed in paragraph 4.1. The Highland Council is also part of the partnership for the Findhorn, Nairn and Speyside LPD, for which Moray Council is the Lead Local Authority.
- 4.6 For Cycle 2, i.e. the next 6-year cycle, the FRM Strategies are to be published by the 22 December 2021, while the Local FRM Plans need to be published six months later (Cycle 2 plans will therefore run from 2022-2028). Legislation requires SEPA to start consulting on the FRM Strategies one year before the publication date, which commenced on 21 December 2020.

5. Flood Risk Management Strategies

- 5.1 SEPA has undertaken flood mapping and assessment on a national scale, which identified Potentially Vulnerable Areas (PVAs). This was completed, publicly consulted on and concluded on 31 July 2018.
- 5.2 SEPA has identified flooding hot spots in each PVA, called Objective Target Areas (OTA). This has fed into SEPA's work of setting Objectives and identifying Actions (broad measures) to manage flood risk. The OTAs, Objectives and Actions set, which relate to the Highland Council area, are detailed in the left-hand side of the table in **Appendix 1** and will be consulted on as part of SEPA's draft FRM Strategies.
- 5.3 SEPA proposes to undertake the consultation on the FRM Strategies by having a two-stage consultation. The consultation, published in December 2020, contains background details of OTAs only and the second stage will be published in March 2021 with details of the Objectives and Actions.

6. Draft Local Flood Risk Management Plan Consultation

- 6.1 Under the Act, the Highland Council is required to publish the Local FRM Plan for the Highland and Argyll LPD and support Moray Council in the publication of the Local FRM Plan for the Findhorn, Nairn and Speyside LPD. These Plans must demonstrate how the Actions identified in the Strategies will be delivered.
- 6.2 The Plans provide additional local detail including the funding and delivery timetable for Actions and how they should be delivered. The **potential** Actions identified in the Plans will be led by the appropriate responsible authority and will not necessarily impose a resource burden on the Council. The right-hand columns of the table in **Appendix 1** identify what potential Actions can be undertaken to address the Objectives for the OTAs.
- 6.3 Under the Act, each Lead Local Authority must consult on the content of the draft Local FRM Plans before 22 June 2021. All of the Lead Local Authorities in Scotland, including the Highland Council, have agreed to publish the Actions to enable production of the draft Local FRM Plans on 21 March 2021.

- 6.4 Through the consultation, it will be made clear that inclusion of Actions which represent flood studies and works in the final Plan will be subject to necessary funding being available.
- 6.5 As part of the consultation process, a questionnaire will be available, providing the public with the opportunity to respond on a variety of matters such as accuracy of the historic flooding information or views on proposed actions to alleviate flooding. SEPA will coordinate responses and feed back to the Local Authorities those responses relating to the production of the Local FRM Plans.
- 6.6 On completion of the consultation on 21 June 2021, all representations will be considered, and any modifications required to the Strategies and Plans made. The Actions will then be appraised in more detail for costs and benefits resulting in a list of measures that may individually or in combination with others, achieve the Objectives for the PVA or LPD. Members are invited to note that the detailed appraisal of the Actions will take place in 2021, and a report to this Committee will follow. This list will then form the priorities of the FRM Strategies and Plans which will be finalised and approved by Scottish Ministers by 22 December 2021 and 22 June 2022 respectively.

7. Overview

- 7.1 SEPA has commenced consultation on the draft FRM Strategies on 21 December 2020.
- 7.2 The Highland Council must consult on the Draft Local FRM Plans for the Highland and Argyll and the Findhorn, Nairn and Speyside Local Plan Districts and this will coincide with the second stage consultation by SEPA on 21 March 2021.
- 7.3 A further report on the final FRM Strategies and Local FRM Plans will be brought to committee after the public consultation closes on 21 June 2021. This will include consideration of how the finalised Plans are to be funded through the Council's normal financial planning processes.

Designation: Executive Chief Officer Infrastructure and Environment

Date: 6/01/2021

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Economy and Infrastructure Committee – 4 February 2021

Appendix 1 - Flood Risk Management (SCOTLAND) Act 2009 – Draft Local Flood Risk Management Plans Cycle 2 for the Highland & Argyll, and Findhorn, Nairn and Speyside Local Plan Districts

Flood Risk Management Strategy Information						Local Flood Risk Management Plan Information	
Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Inverness	£2,586,564	5	Flood study	Cycle 3 or 4	TBC	Assess the performance of the South West Inverness Flood Protection Scheme and River Ness (Tidal) Flood Protection Scheme.	2028 -onwards
Inverness	£2,586,564	5	SWMP	Cycle 2	The Highland Council	<p>The Highland Council to continue to develop and implement the Highland wide surface water management plan which includes Inverness as a priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Inverness and identifies options that could alleviate this risk.</p>	Ongoing
Inverness	£2,586,564	5	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray coastal flood warning scheme. The community benefits from the Inverness Harbour and South Kessock, the Beaully Firth and the Inverness City (Ness Bridge)	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						to Friars Bridge) flood warning areas. SEPA to also maintain the Ness-side flood warning area as part of the River Ness flood warning scheme. The River Ness flood warning scheme should be recalibrated.	
Inverness	£2,586,564	5	Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the existing flood defences in Inverness including the Inverness South West Relief Channel and the River Ness (Tidal) Flood Protection Scheme.	Ongoing
Inverness	£2,586,564	5	Flood scheme / works - detailed design	Cycle 2	The Highland Council	Subject to Scottish Government funding and the outcome of national prioritisation of flood protection schemes. The Highland Council should progress with promotion of a formal Flood Protection Scheme including all relevant consultation and detailed design for the Mill Burn Flood Protection Scheme. The preferred option consists of direct defences, headwall modifications, pipe removal under Harbour Road Bridge and natural flood management in the upstream catchment. The option of channel widening should also be assessed.	2025-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Inverness	£2,586,564	5	Flood scheme / works - procurement and construction	Cycle 2	The Highland Council	Subject to Scottish Government funding The Highland Council should progress with the procurement of a contractor and subsequent construction of the proposed Mill Burn Flood Protection Scheme.	2025-2028
Inverness	£2,586,564	5	Flood study	Cycle 2	The Highland Council	The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to South Kessock area from the sea. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option	2022 - 2025
Fort William	£425,285	6	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the River Nevis to determine the extent of flood risk to Fort William. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option. A coastal hydraulic model should also be developed in partnership with Transport Scotland.	2028 - onwards

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Fort William	£425,285	6	SWMP	Cycle 2	The Highland Council	<p>The Highland Council to continue to develop and implement the Highland wide surface water management plan, which includes Fort William as a priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Fort William and identifies options that could alleviate this risk.</p>	Ongoing
Fort William	£425,285	6	Maintain flood warning	Cycle 2	SEPA	<p>SEPA to maintain the Lochy and Nevis flood warning schemes. The community benefits from the Lochybridge and Glen Nevis flood warning areas.</p> <p>SEPA to also maintain the Loch Linnhe coastal flood warning scheme which includes the Corpach and Caol flood warning area.</p>	2022-2028
Nairn	£330,466	5	Maintain flood warning	Cycle 2	SEPA	<p>SEPA to maintain the Nairn Flood Warning Scheme and the Moray Coastal Flood Warning Schemes. The community benefits from the Ardersier to Nairn and the Nairn flood warning areas.</p>	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Nairn	£330,466	5	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model and fluvial hydraulic model of the River Nairn and Auldern Burn to determine the extent of flood risk to Nairn.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p> <p>The Highland Council to explore working with SEPA as there are potential River Basin Management objects for the Auldern Burn.</p>	2022 - 2025
Dingwall	£272,925	5	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray coastal Flood Warning Scheme. The community benefits from the Dingwall coastal flood warning area.	2022-2028
Dingwall	£272,925	5	SWMP	Cycle 2	The Highland Council	<p>The Highland Council to continue to develop and implement the Highland wide surface water management plan, which includes Dingwall as a priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Dingwall and identifies options that could alleviate this risk</p>	Ongoing

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Dingwall	£272,925	5	Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the Dingwall Flood Protection Scheme	Ongoing
Dingwall	£272,925	5	Flood scheme / works - detailed design	Cycle 2	The Highland Council	<p>Subject to Scottish Government funding and the outcome of national prioritisation of flood protection schemes. The Highland Council should progress with promotion of a formal Flood Protection Scheme including all relevant consultation and detailed design for River Peffery Flood Protection Scheme.</p> <p>The preferred option consists of meandering of existing channels, channel widening, a flood wall and new culverts.</p> <p>Detailed design should be coordinated with SEPA's Water Environment Fund.</p>	2026-2028
Dingwall	£272,925	5	Flood scheme / works - procurement and construction	Cycle 2	The Highland Council	<p>Subject to Scottish Government funding The Highland Council should progress with the procurement of a contractor and subsequent construction of the River Peffery Flood Protection Scheme.</p> <p>Construction should be coordinated with SEPA's Water Environment Fund</p>	2026-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Corpach and Caol	£263,215	2	SWMP	Cycle 2	The Highland Council	<p>The Highland Council to continue to develop and implement the Highland wide surface water management plan which includes Caol and Corpach and as priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Caol and identifies options that could alleviate this risk.</p>	Ongoing
Corpach and Caol	£263,215	2	Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the Caol and Lochside Flood Protection Scheme	Ongoing
Corpach and Caol	£263,215	2	Flood scheme / works - procurement and construction	Cycle 2	The Highland Council	The Highland Council to complete the Caol and Lochside Flood Protection Scheme which commenced in cycle 1.	2022
Corpach and Caol	£263,215	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Lochy Flood Warning Scheme and the Loch Linnhe coastal Flood Warning Scheme. The community benefits from the Lochybridge and Corpach and Caol flood warning areas.	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Fort Augustus	£260,387	2	Flood study	Cycle 3 or 4	TBC	Assess the performance of Fort Augustus Flood Protection Scheme.	2028 - Onwards
Fort Augustus	£260,387	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the River Oich Flood Warning Scheme. The community benefits from the Riggs, Fort Augustus flood warning area.	2022-2028
Fort Augustus	£260,387	2	Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the Fort Augustus Flood Protection Scheme.	Ongoing
Wick	£219,701	4	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain Moray Coastal Flood Warning Scheme. The community benefits from the Wick flood warning area.	2022-2028
Lochinver	£176,910	3	Site protection plan	Cycle 2	The Highland Council	The Highland Council to develop a site protection plan for Lochinver Primary School and nursery	2022-2028
Aviemore	£168,440	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Spey Flood Warning Scheme. The community benefits from the Aviemore, Dalfaber Road flood warning area.	2022-2028
Aviemore	£168,440	2	Flood study	Cycle 2	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the Aviemore Burn to determine the extent of flood risk to Aviemore from the burn.	2022-2025

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	
Golspie	£157,641	2	Flood scheme / works - procurement and construction	Cycle 2	Transport Scotland	Transport Scotland to carry out the planned civil engineering works to reduce flood risk to the A9.	TBC
Golspie	£157,641	2	Flood scheme / works - detailed design	Cycle 2	The Highland Council	Subject to Scottish Government funding and the outcome of national prioritisation of flood protection schemes. The Highland Council should progress with promotion of a formal Flood Protection Scheme including all relevant consultation and detailed design for the Golspie Coast Flood Protection Scheme. The preferred option consists of raising existing coastal flood defences.	2025-2028
Golspie	£157,641	2	Flood scheme / works - procurement	Cycle 2	The Highland Council	Subject to Scottish Government funding The Highland Council should progress with the procurement of a contractor and subsequent construction of the Golspie Coast Flood Protection Scheme.	2025-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
			and construction				
Golspie	£157,641	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray coastal Flood Warning Scheme. The community benefits from the Helmsdale and Embo coastal flood warning area.	2022-2028
Invergordon	£140,764	4	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Firth Coastal Flood Warning Scheme. The community benefits from the Cromarty Firth flood warning area.	2022-2028
Nethy Bridge	£138,338	2	Maintain flood warning	Cycle 2	SEPA	SEPA to continue to maintain and operate the River Spey flood warning scheme. The community benefits from the Aviemore/Dalfaber to Grantown flood warning area.	2022-2028
Nethy Bridge	£138,338	2	Flood study	Cycle 2	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the River Nethy and Duack Burn to determine the extent of flood risk to Nethy Bridge from the river and burn. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	2022-2025
Alness	£114,793	4	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray coastal Flood Warning Scheme. The community benefits	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						from the Cromarty Firth coastal flood warning area.	
Thurso	£107,544	1	Flood scheme / works - detailed design	Cycle 2	The Highland Council	<p>Subject to Scottish Government funding and the outcome of national prioritisation of flood protection schemes. The Highland Council should progress with promotion of a formal Flood Protection Scheme including all relevant consultation and detailed design for River Thurso Flood Protection Scheme.</p> <p>The preferred option consists of flood defence walls and an embankment.</p>	2025-2028
Thurso	£107,544	1	Flood scheme / works - procurement and construction	Cycle 2	The Highland Council	<p>Subject to Scottish Government funding The Highland Council should progress with the procurement of a contractor and subsequent construction of the the River Thurso Flood Protection Scheme.</p>	2025-2028
Smithton and Culloden	£104,154	1	Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the Smithton and Culloden Flood Protection Scheme	Ongoing

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Smithton and Culloden	£104,154	1	SWMP	Cycle 2	The Highland Council	<p>The Highland Council to continue to develop and implement the Highland wide surface water management plan which includes Smithton and Culloden as a priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Smithton and Culloden and identifies options that could alleviate this risk.</p>	Ongoing
Aultbea	£97,674	4	Flood study	Cycle 3 or 4	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Aultbea from the sea.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p>	2028 - onwards
Maryburgh	£93,826	2	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a fluvial hydraulic model of the Ussie Burn to determine the extent of flood risk to Maryburgh from the burn.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p>	2022 - 2025

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Dornoch	£82,337	2	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the Dornoch Burn to determine the extent of flood risk to Dornoch from the burn. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option	2028 - onwards
Ballachulish	£79,744	2	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the River Laroch to determine the extent of flood risk to Ballachulish from the river. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	2028 - onwards
Newtonmore	£67,002	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Spey Flood Warning Scheme. The community benefits from the Newtonmore to Kingussie flood warning area.	2022-2028
Newtonmore	£67,002	2	SWMP	Cycle 2	The Highland Council	The Highland Council to continue to develop and implement the Highland wide surface water management plan which includes Newtonmore as a priority area.	Ongoing

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						The surface water management plan identifies areas most at risk from surface water flooding in Newton more and identifies options that could alleviate this risk.	
Drumnadrochit	£65,043	2	Flood study	Cycle 2	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the River Colite to determine the extent of flood risk to Lewiston from the river. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	2022 - 2025
Drumnadrochit	£65,043	2	Flood scheme / works - procurement and construction	Cycle 2	The Highland Council	The Highland Council to complete the Drumnadrochit Flood Protection Scheme which commenced in cycle 1.	2022
Drumnadrochit	£65,043		Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the Drumnadrochit Flood Protection Scheme.	Ongoing
Drumnadrochit	£65,043	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Easter Ross and Great Glen Flood Warning Scheme. The community benefits from the Glen Urquhart flood warning area.	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Kingussie	£60,594	2	Flood study	Cycle 2	The Highland Council	<p>The Highland Council developed a fluvial hydraulic model of the River Gynack in cycle 1 to determine the extent of flood risk to Kingussie.</p> <p>Based on the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option</p>	2022 - 2025
Kingussie	£60,594	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Spey Flood Warning Scheme. The community benefits from the Newtonmore to Kingussie and the Kingussie to Kinraig flood warning areas.	2022-2028
Halkirk	£42,811	1	SWMP	Cycle 2	The Highland Council	<p>The Highland Council to continue to develop and implement the Highland wide surface water management plan which includes Halkirk as a priority area.</p> <p>The surface water management plan identifies areas most at risk from surface water flooding in Halkirk and identifies options that could alleviate this risk.</p>	Ongoing
Garve	£40,332	3	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Conon Valley Flood Warning Scheme. The community benefits from the Garve flood warning area.	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
Garve	£40,332	3	Site protection plan	Cycle 2	The Highland Council	The Highland Council to develop a site protection plan for Strathgarve School	2022-2028
Conon Bridge	£37,750	2	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the Ussie Burn to determine the extent of flood risk to Conon Bridge from the burn. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	2028 - Onwards
Conon Bridge	£37,750	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Conon Valley Flood Warning Scheme. The community benefits from the Conon Bridge flood warning area.	2022-2028
Conon Bridge	£37,750	2	Maintain defences	Cycle 2	The Highland Council	The Highland Council to continue to maintain the Conon Bridge Flood Protection Scheme.	Ongoing
Ardersier	£32,450	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Flood Warning Scheme. The community benefits from the Ardersier to Nairn flood warning area.	2022-2028
Beaully	£29,091	1	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Rivers Beaully and Glass Flood Warning Scheme, which includes the Aigas to Beaully flood warning area. SEPA to also maintain the Moray Firth coastal flood	2022-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						warning scheme. Beauly benefits from the Beauly Firth coastal flood warning area.	
Inver	£28,672	5	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Inver from the sea.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p> <p>This work should be carried out after SEPA have published the latest revision of their strategic coastal flood mapping.</p>	2025-2028
Inver	£28,672	5	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Firth Coastal Flood Warning Scheme. The community benefits from the Portmahomack to Inver flood warning area.	2022-2028
Avoch	£27,672	2	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Inver from the sea.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p>	2025-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						This work should be carried out after SEPA have published the latest revision of their strategic coastal flood mapping.	
Avoch	£27,672	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Coastal Flood Warning Scheme. The community benefits from the Avoch to Rosemarkie flood warning area.	2022-2028
Glencoe	£25,705	3	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Glencoe from the sea. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	2028 - onwards
Strathpeffer	£20,079	2	SWMP	Cycle 2	The Highland Council	The Highland Council to continue to develop and implement the Highland wide surface water management plan which includes Strathpeffer as a priority area. The surface water management plan identifies areas most at risk from surface water flooding	Ongoing

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						in Strathpeffer and identifies options that could alleviate this risk.	
Portmahomack	£18,529	2	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Inver from the sea.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p> <p>This work will be carried out after SEPA have published the latest revision of their strategic coastal flood mapping.</p>	2025-2028
Portmahomack	£18,529	2	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Firth Coastal Flood Warning Scheme. The community benefits from the Portmahomack to Inver flood warning area.	2022-2028
Balintore	£16,084	1	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Inver from the sea.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p>	2025-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						This work should be carried out after SEPA have published the latest revision of their strategic coastal flood mapping.	
Balintore	£16,084	1	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Firth Coastal Flood Warning Scheme. The community benefits from the Rockfield to Balintore flood warning area.	2022-2028
Newmill (Nairn)	£7,541	5	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the Auldern Burn to determine the extent of flood risk to Newmill from the burn. Subject to the outcome of the modelling an appraisal of options to mitigate flooding will should be carried out, determining a preferred option.	2028 - onwards
Blairninich	£6,930	2	Flood scheme / works - detailed design	Cycle 2	The Highland Council	Subject to Scottish Government funding and the outcome of national prioritisation of flood protection schemes. The Highland Council should progress with promotion of a formal Flood Protection Scheme including all relevant	2025-2028

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						<p>consultation and detailed design for River Peffery Flood Protection Scheme.</p> <p>The preferred option consists of meandering of existing channels, channel widening, a flood wall and new culverts.</p> <p>Detailed design should be coordinated with SEPA's Water Environment Fund.</p>	
Blairninch	£6,930	2	Flood scheme / works - procurement and construction	Cycle 2	The Highland Council	<p>Subject to Scottish Government funding The Highland Council should progress with the procurement of a contractor and subsequent construction of the River Peffery Flood Protection Scheme.</p> <p>Construction should be coordinated with SEPA's Water Environment Fund.</p>	2025-2028
Rockfield	£0	0	Flood study	Cycle 2	The Highland Council	<p>The Highland Council to develop a coastal hydraulic model to determine the extent of flood risk to Inver from the sea.</p> <p>Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.</p> <p>This work should be carried out after SEPA</p>	2028 - onwards

Objective Target Area	Average Annual Damages	Social Score (combines % of community at risk and social flood disadvantage index)	Action type	FRM Cycle	Lead Responsible Authority	Local Detail	Year Start
						have published the latest revision of their strategic coastal flood mapping.	
Rockfield	£0	0	Maintain flood warning	Cycle 2	SEPA	SEPA to maintain the Moray Firth Coastal Flood Warning Scheme. The community benefits from the Rockfield to Balintore flood warning area.	2022-2028
Nairn	£330,466	5	Flood study	Cycle 3 or 4	The Highland Council	The Highland Council to develop a fluvial hydraulic model of the Alton Burn to determine the extent of flood risk to parts of Nairn from the burn. Subject to the outcome of the modelling an appraisal of options to mitigate flooding should be carried out, determining a preferred option.	2028 - onwards
Nethy Bridge			Community flood warning	Cycle 2	Community	A River Track system is being installed with the help of the Scottish Flood Forum.	Ongoing
Aultbea			New flood warning	Cycle 2	SEPA	Investigate the feasibility of coastal flood warning scheme for Aultbea.	2022-2028