Flood Risk Management (Scotland) Act 2009

Solway Local Plan District

Local Flood Risk Management Plan

FINAL REPORT







Published on 22nd December 2022 by:

Dumfries and Galloway Council

Lead Local Authority for the Solway Local Plan District

In partnership with:











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Summary Solway Local Flood Risk Management Plan

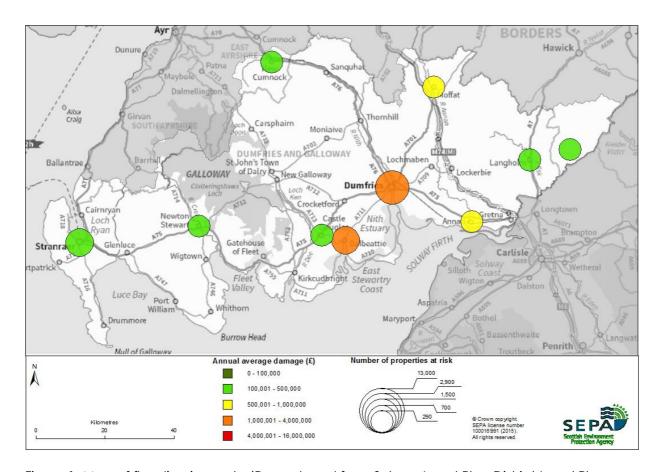


Figure 1: Map of flooding impacts. (Reproduced from Solway Local Plan District Local Plan District Flood Risk Management Strategy, SEPA (December 2015))

The Solway Local Plan District covers the south-west of mainland Scotland. It contains five local authorities; Dumfries and Galloway; South Ayrshire; East Ayrshire; Scottish Borders and South Lanarkshire. There are 26 Potentially Vulnerable Areas in the Local Plan District, 24 of these are located in Dumfries and Galloway; one in East Ayrshire; and one in Scottish Borders. The Plan District area covers an area approximately 6,426km².

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Solway Local Plan District Local Flood Risk Management Plan 2016-2022: FINAL REPORT

Action	Number	Action	Number
Flood protection scheme / works	6	Property level protection scheme	1
Natural flood management works	N/A	Community flood action groups	4
New flood warning	3	Self help	LPD Wide
Flood protection study	7	Awareness raising	LPD Wide
Natural flood management study	1	Maintenance	LPD Wide
Surface water plan / study	3	Site protection plans	N/A
Strategic mapping & modelling	21	Emergency plans / response	LPD Wide
Maintain flood protection scheme	12	Planning policies	LPD Wide
Maintain flood warning	15	Integrated catchment study	0
Flood forecasting	LPD Wide	Section 16 assessment	9

Table 1: Action List

Foreword

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

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

(Solway Local Plan District Local Flood Risk Management Plan, June 2016)

The publication of the FINAL REPORT demonstrates the long-term coordinated and collaborative efforts of public bodies to deliver sustainable outcomes.

The FINAL REPORT is published by Dumfries and Galloway Council on behalf of a partnership comprising three local authorities: Dumfries and Galloway Council; East Ayrshire Council and Scottish Borders Council; as well as Scottish Water; SEPA; and Forestry and Land Scotland.

Individuals are the first line of defense against flooding and have responsibilities to protect themselves from flooding. Through self-help and property flood resilience measures, awareness raising and registering with Floodline, individuals, businesses and communities can and have made key contributions to the delivery of the actions in the Plan, which are detailed in this FINAL REPORT.

Since publication of the Plan in June 2016, public sector finances in Scotland have continued to be under considerable pressure, even more so with the impact of the pandemic and most recently the cost-of-living crisis. This places an even greater responsibility on SEPA, local authorities, 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.

Background

The FINAL REPORT is a legal requirement of the Flood Risk Management (Scotland) Act 2009 (Section 38). The FINAL REPORT is required to be published on 22 December 2022. The FINAL REPORT includes the conclusions of a review of the Solway Local Plan District Local Flood Risk Management Plan (the 'Plan'), published in June 2016 and includes information on the progress towards implementing actions identified in the Plan.

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

A copy of the Solway Local Plan District Local Flood Risk Management Plan can be found at the follow link http://www.dumgal.gov.uk/flooding and http://apps.sepa.org.uk/frmstrategies/pdf/lpd/LPD 14 Overview.pdf

Review of the plan

This section sets out conclusions of the Plan review, and a summary of action delivery progress detailed in Solway Local Plan District Local Flood Risk Management Plan.

Key progress in reducing the impacts of flooding since publication

- Following public consultation, the Council confirmed the preferred scheme for Whitesands. Over 300 objections were received, and the Council therefore requested Scottish Government hold a Public Local Inquiry (PLI). The PLI began in November 2018 and concluded with written submissions in January 2019. The reporter submitted their report to Scottish Ministers who subsequently approved the scheme to progress in March 2020. The next step will be to carry out detailed design once the Council has appointed a consultant.
- Works towards a flood protection scheme for Langholm began in August 2018 with the appointment of a consultant to identify a preferred option which was presented to the community.
- A preferred option was identified for Newton Stewart flood protection scheme, and following public consultation and committee approval, outline design has progressed in preparation for publication of the scheme in early 2023.
- A flood risk appraisal of Moffat was undertaken in late 2017 / early 2018, with the final report
 published in August 2018. The report identified a series of flood mitigation measures, however
 for the 1 in 200-year standard of protection, a favorable benefit-cost ratio (BCR) was not
 evident.
- The Shoreline Management Plan has been progressed. Public consultation was undertaken between June and September 2022 on the draft Shoreline Management Plan. Final publication will be early 2023 following committee approval.
- New Cumnock Flood Prevention Scheme is due to complete construction in early 2023.
- Works on the Newcastleton Flood Study are nearing completion, and the Final Appraisal Reports was completed.
- Newcastleton Surface Water Management Plan was completed in 2019.
- SEPA launched five new flood warning services for the Solway Local Plan District; Upper Nith at Kirckonnel, River Cree, River Esk at Langholm and for the Solway Firth coast.
- Dumfries and Galloway Council and Scottish Borders Council continue to operate a Subsidy Scheme offering property flood resilience measures at a discounted cost to the business and residential properties across the region. Over 550 properties across Dumfries and Galloway have purchased property flood resilience measures to date.
- Stranraer Flood Protection works are programmed to be complete by summer 2023.

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

Since the identification of the actions in the Plan, there have, and continue to be, advancements in our knowledge and 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 have informed 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 FINAL REPORT, is current, albeit the planned delivery, and actual delivery, has changed for some actions as detailed in the 'Assessment of the progress of actions'.

Significant issues

Based on a review of the assessment of the progress of actions detailed in this FINAL REPORT, 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. Arrangements 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'.

However, the overall delivery of actions in the Plan has been impacted by resource issues in both staffing and consultancy service. The Covid-19 Pandemic has also had a significant impact on a number of Actions.

Significant weather events

The Solway Local Plan District LPD was adversely affected by a number of significant weather events notably, in late 2015, October 2021 and February 2022 which had knock on impacts on the delivery of actions in the Plan from June 2016 onwards. For example, Dumfries and Galloway Council, East Ayrshire Council and Scottish Borders Council resources were deployed to deal with the emergency events at that time as well as the follow up activities and necessary works, which were still being delivered into financial year 2016 / 17. This caused consequential delays in the planned delivery of actions as staff resource, which would have been delivering planned actions, had been delivering emergent actions.

Arrangements planned to deliver the remaining actions affected by significant weather events are described below and detailed in the 'Assessment of the progress of actions' section of this FINAL REPORT.

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 the Plan was dependent on the availability of the necessary funding in each year of the six-year Plan'.

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.

Local Authorities have undergone a significant review of capital and revenue funding. Resulting changes reduced funding towards flood risk management leading to some actions being delayed. Dumfries and Galloway Council has continued to fund the requirements of the Solway LFRMP to the levels outlined by Scottish Government while balancing priorities.

The Dumfries and Galloway Council's Flood Risk Management Team has been under-resourced on occasions due to staff secondments and difficulties in recruitment. Dumfries and Galloway Council's Flood Risk Management Team continued to progress actions in the plan (funding and resources permitted).

Dumfries and Galloway Council has prioritised its resources to support ongoing Flood Scheme development, Flood Studies and delivery statutory duties.

Allocation of Resources

The availability and retention of skilled staff from other council services to support flood risk actions has been a limiting factor in some areas. This has caused consequential delays in the planned delivery of actions.

Use of Consultants

The availability and performance of consultants and professional advisors has been a limiting factor in some areas. This has caused consequential delays in the planned delivery of actions. In particular the council has had difficulties with tender returns and retention of staff within appointed consultants.

Cost increases

Delays to the anticipated timescales of scheme delivery as published in the Cycle 1 Plan have resulted in cost increases for all three flood protection schemes.

The Whitesands project costs have increased as a result of the Public Local Inquiry, and the delay in appointing a consultant to design and deliver the scheme following the Scottish Ministers decision to confirm the scheme will have consequential impact on costs. Costs have increased from the estimated £30.84M to £35.5M.

Initial costs of Langholm Flood Protection Scheme were based on a 1:25 year return period standard of protection (SoP) with an estimated cost of £2M. Following a review of the hydraulic model by SEPA, an error was identified and rectified which led to an increase in the numbers of properties at risk. As a consequence, it was determined that the most economically advantageous scheme was one offering a 1:200-year return period SoP, and subsequently the estimated costs rose to £8.6M to protect 264 properties.

The initial flood study for Newton Stewart highlighted a positive benefit-cost ratio (BCR) was only achievable for Newton Stewart and did not include Minnigaff. Further investigations during the outline design stage demonstrated that in protecting both Newton Stewart and Minnigaff, a positive BCR was achieved. As a result of providing defenses to a more extensive area within Newton Stewart to include Minnigaff, the scheme costs rose from £7.9m to approximately £16.4M.

The Covid-19 Pandemic

The global Covid-19 pandemic had significant impacts on service delivery nationally and internationally. This has significantly impacted the delivery of Cycle 1 Plan actions, in particular, the progress of flood protection schemes, flood modelling and the Shoreline Management Plan.

Due to national 'lockdowns' and subsequent restrictions, council staff were redeployed to facilitate national and local response, consultancy staff were placed on furlough, traditional methods of community engagement were not viable.

The Solway local plan partnership has continued to work together and progress actions though there have been many additional challenges through impacts of the pandemic on every aspect of life and the economy.

Other actions

Working in partnership with Scottish Water, Forestry and Land Scotland and other organisations and stakeholders brings additional challenges as funding cycles, priorities and resource allocations are not necessarily aligned to allow projects to proceed within the planned timescales.

On 24 December 2020, SEPA was subject to a serious and complex cyber-attack, which significantly impacted the organisation, staff, public and private partners, and the communities who rely on SEPA's services. Since the attack, SEPA has worked with Scottish Government, Police Scotland, the National Cyber Security Centre (NCSC) and the Scottish Business Resilience Centre (SBRC), to a clear recovery strategy. The incident has, however, temporarily impacted progress on a number of actions

such as new flood warnings, mapping and modelling projects and some engagement activities. Many of these projects are still going ahead but the timescales for them have been adjusted.

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 resilience group is set up to increase resilience to flooding, or that flood defenses 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 was set as December 2019. The actions submitted were 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 December 2022. Any actions that missed this deadline may therefore be delayed for consideration in the next cycle from 2028-34.

Arrangements planned to deliver the remaining actions

On-going actions in the Plan will continue to be delivered into the next planning cycle period. This will be as per the published Plan, subject to revisions in delivery dates as detailed in the 'Assessment of the progress of actions' section of this FINAL REPORT.

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

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

Next steps

The second subsequent local Flood Risk Management Plan is currently in development for publication in December 2022. Some actions from the first Plan, particularly continuous actions such as clearance and repair works and watercourse inspections will be carried forward to continue in the new plan. Delivery of Cycle 1 flood protection schemes will continue into Cycle 2 delivery timeframe.

In the meantime, to find out more about how flood risk is being managed across the partnership please visit:

Flooding - Dumfries and Galloway Council (dumgal.gov.uk)

<u>Flood Risk Management Plans – SEPA</u>

Flooding - East Ayrshire Council (east-ayrshire.gov.uk)

Flooding and storms – Scottish Borders Council (scotborders.gov.uk)

Conclusions

This FINAL REPORT provides details on the progress that has been made in implementing the measures identified in the Plan, six years after publication.

In general, significant measurable progress has been made by all responsible authorities across the Local Plan District.

The number of prioritised actions, including promoting and completing a number of Flood Protection Schemes and works in the Plan published in June 2016 was ambitious. Issues around resource, timing, funding and restrictions relating to the pandemic have all had an effect on the progress of some actions during this cycle. As a result of significant flooding events, where the need has been identified, additional work has been carried out.

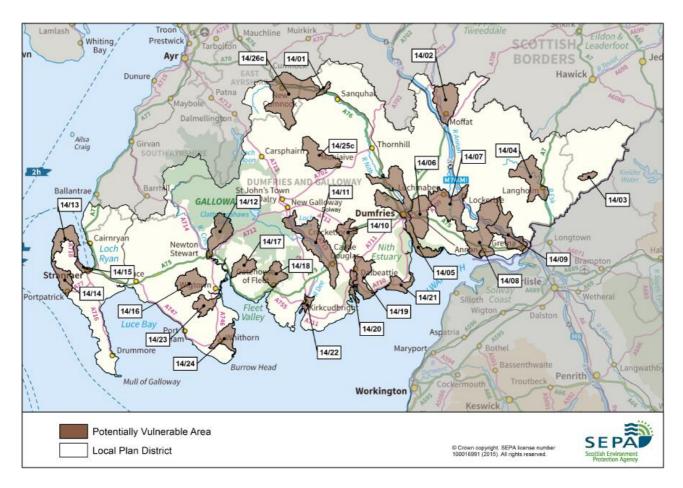
In conclusion, the Local Flood Risk Management Plan (2016-2022) remains current and relevant. Dumfries and Galloway, East Ayrshire and Scottish Borders Councils along with SEPA, Scottish Water and other responsible authorities have worked collaboratively in progressing the delivery of actions contained in the Solway Local Flood Risk Management Plan under challenging circumstances.

Implementation of the Solway Local Flood Risk Management Plan has, and will, continue to reduce risk for communities across the Solway Local Plan District which fully encompasses Dumfries and Galloway and gives strategic direction for the management of flood risk now and in the future.

Assessment of progress

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

There are actions that apply across the whole of the Solway LPD and actions that are specific to each of the 26 Potentially Vulnerable Areas (as defined under Section 13 of the Act) in the Solway LPD, which are shown in figure below.



Reproduced from Solway Local Plan District Local Plan District Flood Risk Management Strategy, SEPA (December 2015)

The actions that apply to individual PVA across the Solway LPD are shown overleaf in Table 1. The summary of the assessment of progress is shown using the traffic light system, where each item is marked as Red, Amber or Green (RAG) and where:

- GREEN Action has been completed.
- AMBER Action has commenced but has not progressed as far as envisaged in the Plan.
- RED Action has not commenced.

	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood protection scheme*	Strategic mapping and modelling	Surface water plan / study	Maintain flood warning*	Awareness raising	Emergency plans / response	Flood forecasting	Ω	Maintenance	Planning policies
PVA	Flood p	Vatura	Zev flo	Comm	Propert	Site pro	d pool	Vatura	Mainta	strateg and mo	Surface	Mainta	4wareı	Emergend	lood f	Self help	Mainte	Plannin
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Moffat (14/02)																		
Newcastleton (14/03)																		
Langholm (14/04)																		
Dumfries Nith (14/05)																		
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Braehead and Whauphill (14/23)																		
Isle of Whithorn and Garlieston (14/24)																		
Moniavie (14/25c)																		
New Cumnock (14/26c)																		
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Table 2: Summary of progress of actions to manage flood risk in Potentially Vulnerable Areas of the Solway Local Plan District

Progress with LPD-wide Actions

This section sets out an assessment of the progress towards implementing actions that apply across the whole of the Solway LPD over all years of the six-year Plan, which is presented in Table 3 overleaf.

Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
Flood	G	The Scottish Flood Forecasting	SEPA	Upper Nith / Cree / Esk / Solway Firth – Update Whitesands	SEPA will continue and improve the Scottish Flood Forecasting Service (SFFS) with the
forecasting		Service is a partnership		SEPA has continued to operate the Scottish Flood	Met Office, with daily Flood Guidance Statements and regional Flood Alerts issued as
		between SEPA and the Met		Forecasting Service (SFFS) Partnership with the Met Office	required to enable communities and responders to reduce the impacts of flooding.
		Office. The service continues		with daily, national Flood Guidance Statements issued to	SEPA in partnership with the Met Office has developed a public version of the daily
		to produce a daily, national		Category 1 and 2 agencies (such as emergency	Flood Guidance Statement, the Scottish Flood Forecast, to provide better and earlier
		flood guidance statement,		responders, local authorities and other organisations with	information to the public. A beta version of this product was launched in May 2022. It
		issued to emergency		flooding management duties) and regional Flood Alerts	will be refined in the wake of user feedback. A more focused version of the product,
		responders, local authorities,		issued to the public. Each daily statement gives an	producing guidance at a local level, is planned for the next flood risk management
		and other organisations with		assessment of the risk of flooding for the next five days to	cycle. Options for developing forecasts of surface water flooding have been
		flood risk management		enable these organisations to put preparations in place	published in 2022 to help urban areas and the transport network improve their
		duties. In 2022 a new 3-day		to reduce the impact of flooding. SEPA's Flood Alert	resilience to and preparedness for flooding. The development and wider roll-out of this
		daily Scottish Flood Forecast		service is freely available to everyone and enables	service is being considered alongside the technical, resource and communication
		was launched for the public.		communities to be aware and prepared to reduce the	challenges associated with providing surface water flooding guidance.
				impacts of flooding.	
		As the flood warning authority			
		for Scotland SEPA continues			
		to provide its flood warning			
		service issuing flood alerts and			
		warnings when required,			
		giving people a better			
		chance of reducing the			
		impact of flooding on their			
		home or business.			
A			Dana and Isla	CEDA	CEDA
Awareness	G	SEPA, the responsible	Responsible	SEPA	SEPA
raising		authorities and other	Authorities	SEPA has delivered a range of awareness raising activities	SEPA continued to raise awareness of flood risk through campaigning, developing
		organisations such as the Scottish Flood Forum work		through campaigning, education activities and	education and engagement tools, creating new partnerships and improving the flood
		together through national		partnership delivery. SEPA have run national and local	warning and forecasting service. Many of SEPA's awareness raising activities will
		and local initiatives to help		digital and direct engagement campaigns to raise	continue. The focus will be on promoting flood warning and forecasting service,
		communities understand the		awareness of flood risk and SEPA's flood warning service,	innovation, education and engagement with partners, customers and the public.
		risk of flooding and what		Floodline. SEPA publish and publicise an electronic	Dumfries and Galloway Council
		actions individuals can take.		newsletter (Flooding Gateway) four times a year which is	DGC have held a number of awareness raising sessions across a range of end users,
		Improved awareness of flood		distributed to a wide audience. SEPA are working with	and have worked with partner agencies where applicable.
		risk and actions that prepare		Education Scotland and Scottish Government Resilience	and the following and a general miles applicable.
		nak ana denona mai proparo		team to embed flooding awareness within the Curriculum	

Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
		individuals, homes and		for Excellence, and resilience partners in Safer	Winter Workshops have been held with councillors, and community councillors to raise
		businesses for flooding can		Communities programmes. SEPA have also developed an	awareness of severe weather incidents and promote joint working / best practices.
		reduce the overall impact of		online tool that helps everyone share information on	Winter Roadshows have been held across the region to promote what actions the
		flooding.		current flooding issues (Report-a-Flood). SEPA have	public should take during severe weather events.
		Local authorities undertake		worked in partnership with local authorities, emergency	School workshops have been held with local schools to promote flooding response.
		additional awareness raising		services and community organisations (e.g.,	
		activities when developing		Neighbourhood Watch Scotland, Citizens Advice	DGC will continue to raise awareness of the 'Flood Subsidy Scheme' to provide the
		any specific project proposals		Scotland and others) to share our resources and help to	community with subsidised property flood resilience products.
		and will engage with		promote preparedness and understanding of how SEPA	Scottish Borders Council
		community resilience groups		manage flood risk in Scotland. SEPA have actively	SBC will continue to raise awareness of flood risk through flood schemes and flood
		and local communities.		supported the Scottish Flood Forum and worked closely with UK agencies to develop joint flooding information. In	studies, liaising closely with the public in the areas being assessed. SBC will continue to
		Scottish Flood Forum support		association with the launch of the Flood Warning	work closely with flood action groups and resilience groups to encourage actions to
		flood risk communities by		Schemes, SEPA engaged with the local community to	raise awareness of flood risk. The Council will continue to raise awareness of the
		raising community awareness,		raise awareness of flood risk and encourage uptake of	Council-run Subsidised Flood Product Scheme to provide affordable Property Flood
		promoting self-help,		targeted flood warnings.	Resilience Measures. SBC will also continue to work on the resilient communities'
		developing community			initiative, with priority in working with the remaining 21 communities to introduce
		groups and establish a		Dumfries and Galloway Council	resilient community groups in those areas.
		recovery support programme		DGC officers attended a number of Community	East Ayrshire Council
		after a flood.		engagement sessions to promote weather related issues,	Continue as before.
				and what actions are available.	
				Scottish Borders Council	Scottish Water
				SBC now operates and continues to set up resilient	Scottish Water are continuing to support SEPA and Local Authorities in their awareness
				communities' schemes in the Borders, signing up 46 of 67	raising activities. General awareness raising is carried out through the Scottish Water
				community areas within the Scottish Borders. The Council	website and national advertising campaigns to increase public awareness of the
				worked with FloodRE in some Border Towns to increase	implications of their actions on sewer flooding. For site specific capital projects and
				awareness of the new Flood RE Insurance Scheme which	local studies, targeted public engagement is being carried out at a local level.
				provides affordable insurance scheme for those	
				properties at Flood Risk. Scottish Borders Council	
				continues to work closely with flood action groups and	
				resilience groups to encourage actions to raise awareness	
				of flood risk within the Scottish Borders. This includes letter	
				dropping and attending Community Council and Local	
				Flood Group Meetings	

Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
			Lead	East Ayrshire Council General Awareness raising is a continuous activity via ARA website for all Ayrshire. Supporting flood groups in New Cumnock is a monthly activity, we produce a monthly Newsletter of progress on the scheme and also contribute flooding updates to the ARA monthly Newsletter. All of these are available to elected members and the public. The community has formed the New Cumnock Flood Working Party, to help raise awareness of flood risk in the area Scottish Water Scottish Water will support SEPA and responsible authorities with their awareness raising activities as required and provide targeted communications for Scottish Water sewer flooding programme activities.	
				Scottish Water will raise awareness by producing and supplying targeted information to the public on large capital projects and detailed local studies.	
Self help	G	Everyone is responsible for	Responsible	Dumfries and Galloway Council	Dumfries and Galloway Council
		protecting themselves and their property from flooding. Property and business owners can take simple steps to reduce damage and	Authorities	To date the number of requests for surveys from interested property owners is sitting at over 580 across the region, with a vast majority of those going on to purchase some form of PFR. Scottish Borders Council	DGC continue to promote and provide premises owners across the region access to subsidised property flood resilience measures as part of its scheme http://www.dumgal.gov.uk/article/15833/Preparing-for-flooding . Scottish Borders Council
		disruption to their homes and businesses should flooding happen. This includes preparing a flood plan and flood kit, installing property flood resilience, signing up to Floodline and Resilient Communities initiatives, and		SBC operates a subsidised Flood Product Scheme throughout the Scottish Borders to offer all residents' access to affordable Property flood resilience. This is promoted through attendance at community meetings and undertaking visits to properties as requested. Scottish Borders Council Emergency Planning continues to promote and implement the Resilient Communities	SBC will continue providing a Subsidised Flood Protection Product Scheme throughout the Scottish Borders to offer all residents access to affordable flood products https://www.scotborders.gov.uk/downloads/download/73/flood_protection_products . East Ayrshire Council Ongoing community PFR training, Flood Warden/Scouts and resilience group promotion.

Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
		ensuring that properties and		Scheme, signing up 46 of 67 community areas within the	
		businesses are insured against		Scottish Borders.	
		flood damage. Dumfries and		East Ayrshire Council	
		Galloway Council has a Flood			
		Product Subsidy Scheme in		Community Engagement includes, PFR exhibitions, selection, surveys and appropriate and relevant	
		place, it is recommended		information to enable clients to make the right decisions.	
		that this should be continued.			
		Residential or business		Scottish Flood Forum	
		properties that are identified		SFF offered a wide range of support, advice and	
		as being at risk of flooding are		practical assistance on group development that covers	
		eligible for the scheme. There		preparing for flooding, funding and learning	
		are various products to reduce the impact of		opportunities.	
		flooding to properties, which		SFF raised awareness within Moffat, Moniaive and Tynron	
		can be purchased as part of		through community engagement actions that help the	
		the scheme.		community prepare for flooding. This was done through	
				input at community meetings, events to support	
				engagements, insurance and developing community	
				resilience.	
				SFF supported Moniaive and Tynron community groups to	
				take part in a community flood alerting trial with	
				RiverTrack.	
				SFF promoted and delivered 3 peer-to-peer flood risk	
				community networking events; produced 3 flood risk	
				community focused newsletters which were sent to group	
				and individuals across Scotland.	
Maintenance	G	Local authorities have a duty	Local	Dumfries and Galloway Council	Dumfries and Galloway Council
		to assess watercourses and	Council	In accordance with Section 18, DGC continue to assess	DGC will continue to inspect watercourses to identify flood risks as part of the Councils
		carry out clearance and	Authority;	watercourses, and have undertaken works deemed to	duties in accordance with Section 18. Identified maintenance works will continue to be
		repair works where such works	Asset / Land	substantially reduce flood risk across the region.	carried out on a risk-based priority.
		would substantially reduce	Managers.		,
		flood risk. They produce		DGC has replaced, where identified, a number of	
		schedules of clearance and		substandard trash screens.	
		repair works and make these			

Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
		available for public inspection. Scottish Water undertake inspection and repair on the public sewer network. Asset owners and riparian landowners are responsible for the maintenance and management of their own assets including those, which help to reduce flood risk.	Lead	DGC have carried out clearance works where flood risk will be significantly reduced, DGC have undertaken a number of CCTV inspections of piped watercourses and installed access points for maintenance. Scottish Borders Council SBC has carried out water course inspections of 128 of 129 (99%) watercourses within the Scottish Borders as well as undertaking clearance and repair works to reduce flood risk as per Section 18, Clearance & Repair Schedule. The Council also undertakes inspections of other flood mitigation measures and has undertaken 15 of 15 (100%) inspections of flood protection schemes within the Scottish Borders East Ayrshire Council EAC has 60 number Culvert screens of which 14 number cause sufficient issues to be inspected and cleared on a weekly basis. The remaining 46 are inspected and cleared every 6 months. (Bi-annually) Additionally EAC carry out approx. 40 km length	Scottish Borders Council SBC continue to undertake a regime of watercourse inspections on a risk-based approach, updating and publishing online the Section 18 Clearance & Repair Schedule and undertaking the necessary repairs to reduce flood risk East Ayrshire Council Local authorities have a duty to assess watercourses and carry out clearance and repair works where such works would substantially reduce flood risk. They produce schedules of clearance and repair works and make these available for public inspection. Scottish Water undertake risk based inspection, maintenance and repair on the public sewer network. Asset owners and riparian landowners are responsible for the maintenance and management of their own assets including those which help to reduce flood risk.
				watercourse inspections Bi-annually, and action any issues identified, actions vary from notifying Riparian Landowners to taking direct action where appropriate	
Emergency plans / response	G	Many organisations, including local authorities, the emergency services and SEPA provide an emergency response to flooding. Emergency plans are prepared and maintained under the Civil Contingencies Act 2004 by Category 1 and 2 Responders and are coordinated through regional	Category 1 & 2 Responders	Dumfries and Galloway Council D&G Local Resilience Partnership has adopted a Graduated Response Plan for Severe Weather events, predicated on the warnings / alerts issued by the Met Office and Scottish Flood Forecasting Service. These Graduated arrangements allow responders to come together and prepare for Severe Weather events rather than responding in a reactive manner as was the norm previously. The model is seen as good practice and has been adopted by other areas and organisations in	Dumfries and Galloway Council With regards to flood warning areas locally, there are established arrangements for the River Nith and specifically Whitesands, Dumfries, which are tried and tested in terms of a coordinated response. For the newer Warning Schemes such as the Esk and the Cree, and also the various Coastal Flood Warning areas along the Solway, it is hoped that plans similar to the River Nith plan can be developed which will allow Responding agencies to respond to more significant flooding events in an informed and coordinated manner. Currently, these newer Flood Warning Schemes are in the process of "bedding in".

Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
		and local resilience partnerships, often supported by voluntary organisations. They set out the steps to be taken to maximise safety and minimise impacts during flooding. Emergency plans may also be prepared by individuals, businesses, organisations or communities. Scottish Water is a Category 2 responder under the Civil Contingencies Act 2004 and will support regional and local resilience partnerships as required.	Ledu	Scotland, such as Ayrshire Local Resilience Partnership and Police Scotland Emergency Planning. Scotlish Borders Council Reviewed and updated Severe Weather Plan in July 2018. This included review and update of the Council's emergency response procedures, flood gate procedures and flood warning procedures. Introduced strategic severe weather co-ordination group to co-ordinate emergency response. Initiated co-ordinated approaches during emergency situations, including named Storms, with representation from all Category 1 and Category 2 responders including Scotlish Water, Emergency Services and voluntary groups through the Joint Agency Control Centre (Bunker) at SBC Headquarters. East Ayrshire Council Emergency Response Planning is carried out by Ayrshire Civil Contingencies Team (ACCT) this is an all Ayrshire shared service. ACCT update and co-ordinate (all Emergency Responders) the emergency response plans (ERP) as required (in direct consultation with ARA, where appropriate). In addition to the ERP EAC has implemented a system of river monitors in known areas and a rota of Flood Scouts (FS). Is maintained who are tasked to monitor and report	Scottish Borders Council SBC to continue to revise and develop relevant Emergency Plans as new information becomes available. SBC will also continue to undertake duties as Category 1 responders under the Civil Contingencies Act 2004 and contribute towards Resilience Partnership groups at local and regional levels. East Ayrshire Council Providing an emergency response to flooding is the responsibility of many organisations, including local authorities, the emergency services and SEPA. Effective management of an emergency response relies on emergency plans that are prepared under the Civil Contingencies Act 2004 by Category 1 and 2 Responders. Scottish Water are a Category 2 responder under the Civil Contingencies Act 2004 and will support regional and local resilience partnerships as required. The emergency response by these organisations is coordinated through regional and local resilience partnerships. This response may be supported by the work of voluntary organisations.
Diagraina	<u></u>	Local authorities SEDA and	Dianning	back on status on receipt of any alarm.	Dumfries and Calleway Council
Planning Policy	G	Local authorities, SEPA and Scottish Water all have a responsibility under the Flood Risk Management (Scotland) Act 2009 to support sustainable flood risk management through the	Planning Authority – Local Council Authority	Dumfries and Galloway Council All Planning Authorities within the LPD continue to ensure that new developments satisfy relevant guidance and policies on flooding and drainage. The DGC Local Development Plan 2 was adopted in October 2019 and the written policies give guidance on	The Council's planning policies will be reviewed periodically to ensure that all current national policies are implemented and that the recommendations of strategic studies are considered.

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Action	Status	Description	Delivery	FINAL REPORT	Planned actions to complete / address delay
			Lead		
				policy context is finalised later in 2022 via the National	
				Planning Framework 4, we will take the same approach.	
Strategic	A	SEPA will be seeking to	SEPA	SEPA's current Surface water hazard maps use design	The national surface water flooding modelling project will be completed in 2023. The
Mapping and		incorporate additional		rainfall estimates based on FEH99 methodology, this has	outputs from this will be used to update SEPA maps early in cycle 2 and will inform
Modelling		surface water hazard		now been superseded by FEH22 methodology. The FEH22	SEPA's flood risk assessments for the next flood risk management cycle.
(surface		mapping information into the		dataset contains the latest science and understanding of	
water)		flood maps to improve		rainfall across Scotland and represents a significant	
		understanding of flood risk.		change in rainfall amounts compared to FEH99 dataset,	
		Approximately 2,100km² of		as such it is no longer consider appropriate to deliver this	
		improved data is currently		action as originally intended. This action will not be taken	
		available within this Local		forwards as described. A major national update of the	
		Plan District.		surface water maps is underway which will deliver	
				updated surface water flooding maps for Scotland	
				representing the latest scientific understanding.	

Table 3: Progress with LPD-wide Actions for the Solway Local Plan District

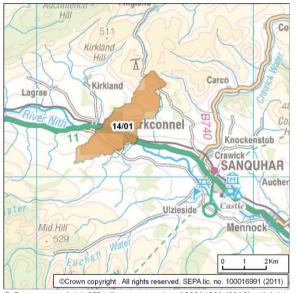
Progress with PVA-specific Actions

This section sets out an assessment of the progress towards implementing actions that are specific to each of the 26 PVA as shown in Figure 2. Assessments of the progress of actions within each PVA are presented.

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

Kirkconnel (Potentially Vulnerable Area 14/01)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Nith Dumfries Coastal



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Reproduced from Solway Local Plan District Flood Risk Management Strategy, SEPA (December 2015).

Summary of Progress for Kirkconnel

There are approximately 90 residential properties at risk of flooding. The Annual Average Damages are approximately £150,000. Further information can be found in LFRMP under PVA 14/01. Page 20 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key Progress in reducing impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- SEPA launched flood warning service for Upper Nith on 3rd March 2018.

Overview of actions to manage flooding in Kirkconnel

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Selfhelp	Maintenance	Planning policies
Kirkconnel (14/01)			√				✓			√		✓	✓	✓	✓	✓	√	√

Summary of progress of actions to manage flood risk in Kirkconnel (PVA 14/01)

Action	Status	Description	Delivery	Final Progress	Revised dates and planned
			Lead		actions to complete / address
					delay
New Flood	G	The area under consideration	SEPA	A new flood warning service for	N/A
Warning		includes properties affected by		the Upper Nith at Kirkconnel was	
		flooding from the Upper River Nith		completed in 2018. SEPA has	
		(from Kirkconnel downstream).		continued to operate the flood	
		Forecasting capability is currently		warning service since it was	
		under development in this area.		completed.	
Flood Protection	G	A flood protection study has	DGC	Following floods in December	Study completed in plan cycle.
Study		been completed by Dumfries and		2013, a report was	
		Galloway Council, to assess flood		commissioned to look at the	

Action	Status	Description	Delivery	Final Progress	Revised dates and planned
			Lead		actions to complete / address
					delay
		risk within Kirkconnel and the		flood risks from the River Nith	
		feasibility of flood protection		and Polbower Burn. This report	
		actions to mitigate the risk.		was subsequently updated	
		The study also looked at the		following flooding in Storm Frank	
		potential for natural flood		(December 2015).	
		management actions to reduce			
		the impact of flooding, taking			
		into account the proposed work			
		from the New Cumnock pilot			
		catchment study.			
		The study also considered a			
		localised property flood resilience			
		schemes giving consideration of			
		the achievable flood warning			
		times for the upper River Nith.			
		It is recommended that this study			
		is reviewed to determine the			
		current risk in the town and the			
		potential future risk with climate			
		change. This will determine if /			
		Change. It is will determine it /			

Action	Status	Description	Delivery	Final Progress	Revised dates and planned
			Lead		actions to complete / address
					delay
		when further work is required to			
		investigate how to reduce the			
		flood risk.			
Maintain Flood	G	Kirkconnel Flood Protection	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Scheme was constructed in 1984		to be undertaken as part of the	recurring statutory process.
Scheme		on the Polbower Burn and		Councils duties in accordance	
		consisted of the installation of a		with Section 18.	
		concrete channel, culvert and			
		reinforcing gabions. The standard			
		of protection is not known.			
		Maintenance of this scheme			
		should be continued.			
		A flood protection study has			
		been carried out by Dumfries and			
		Galloway Council to look at			
		further action to reduce risk.			
Strategic	A	SEPA will seek to develop flood	SEPA	Action not complete.	SEPA began working on river
Mapping and		mapping in the Upper River Nith			mapping updates in this area
Modelling		area to improve understanding of			but upon review of the available
		flood risk. The extent and timing			information it is not appropriate

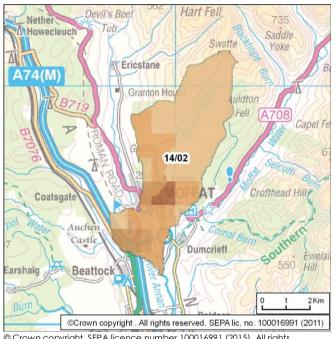
Action	Status	Description	Delivery	Final Progress	Revised dates and planned
			Lead		actions to complete / address
					delay
		of improvements will depend on			to complete the update at this
		detailed scoping and data			time. A review of how modelling
		availability. Where this work			and mapping updates are
		coincides with local authority			undertaken is being conducted
		studies, SEPA will work			to develop a more effective
		collaboratively to ensure			method of regional and national
		consistent modelling approaches			updates.
		are applied.			
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions''.	1	
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				

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Action	Status	Description	Delivery Lead	Final Progress	Revised dates and planned actions to complete / address delay
Self Help	G				
Maintenance	G				
Planning Policies	G				

Moffat (Potentially Vulnerable Area 14/02)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Annan



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Reproduced from Solway Local Plan District Flood Risk Management Strategy, SEPA (December 2015).

Summary of Progress for Moffat

There are approximately 370 residential properties and 50 non-residential properties at risk of flooding. The Annual Average Damages are approximately £680,000. Further information can be found in LFRMP under PVA 14/02. Page 32 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key Progress in reducing impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Completion of a Flood Protection Study published 31st August 2018.
- The community have proactively purchased land from FLS and carried out vegetation planting to reduce surface water runoff

Overview of actions to manage flooding in Moffat

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Moffat (14/02)				✓			✓			√		✓	√	√	✓	✓	<	✓

Summary of progress of actions to manage flood risk in Moffat (PVA 14/02)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Community Flood	G	The local community set up the	Community	Moffat Flood Action Group	
Action Groups		Moffat Flood Action group, to		amalgamated with local	
		raise awareness of flood risk in the		Community Council.	
		area. An informal flood warning			
		scheme run by the group is			
		currently in place.			
Flood Protection	G	Moffat Flood Study which was	DGC	Flood study completed August	
Study		completed in 2006, identified		2018, the study concluded	
		potential works within Moffat		that the number of properties	

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned
					actions to complete / address
					delay
		including improvements to		at risk of flooding were far less	
		culverts and construction of flood		than previously identified in the	
		defenses. Since this study further		National Flood Risk Assessment	
		information has been gathered		2011	
		which has increased the		(http://apps.sepa.org.uk/nfra/l	
		confidence in the modelling.		pd/pdf/lpd 14.pdf).	
		The study should also investigate		The conclusions of the cost-	
		the potential for natural flood		benefit analysis were that the	
		management actions to reduce		benefit-cost ratio for a direct	
		runoff locally and the wider		defenses scheme providing	
		Birnock Water catchment. Other		200 year level of protection is	
		actions may also be considered		not economically viable.	
		to select the most sustainable			
		combination of actions.			
Maintain Flood	G	A Flood Protection Scheme was	DGC	Ongoing assessment of	Scheme maintenance is a
Protection		constructed on Well Road, Moffat		scheme to be undertaken as	recurring statutory process.
Scheme		in 1989 which consisted of		part of the Councils duties in	
		replacing an old mill piped		accordance with Section 18.	
		scheme on the banks of the			
		Birnock Water. The standard of			

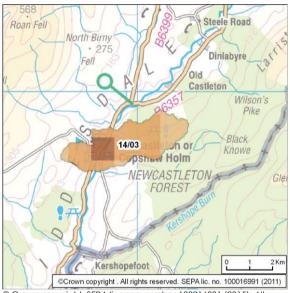
Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
		protection is 5 years. The flood study should investigate the potential enhancement of these defenses. Maintenance of this scheme should be continued.			
Strategic Mapping and Modelling	G	Scottish Water will carry out an assessment of flood risk within the highest risk sewer catchments to improve knowledge and understanding of surface water flood risk.	Scottish Water	Works completed Eaglesfield 2017 and Moffat 2019	
Awareness Raising	G	For details see "Progress with LPD-w	ride Actions".		
Emergency Plans / Response	G				
Flood Forecasting	G				
Self Help	G				
Maintenance	G				

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Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned
					actions to complete / address
					delay
Planning Policies	G				

Newcastleton (Potentially Vulnerable Area 14/03)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Scottish Borders Council	Liddel Water



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Summary of Progress for Newcastleton

There are approximately 140 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 14/03. Page 43 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key Progress in reducing impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Works on the Newcastleton Flood Study are nearing completion, and the Final Appraisal Reports was completed.
- Newcastleton Surface Water Management Plan was completed in 2019.

Overview of actions to manage flooding in Newcastleton

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Newcastleton (14/03)				✓			✓		✓	>	✓	✓		*	√	✓	~	✓

Summary of progress of actions to manage flood risk in Newcastleton (PVA 14/03)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Community Flood Action Groups	G	Scottish Borders Council is currently in discussion with Newcastleton and District Community Council with a view to forming a Resilient Communities Group which would take action in the event of a flood.	Community	SBC has facilitated the setup of a resilient communities group in Newcastleton.	SBC will continue to work closely with Newcastleton resilient communities group, other local groups and members of the public to raise awareness of flood risk. Work together towards a group that is capable of taking action during a flood
					event.

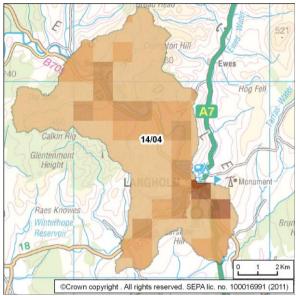
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Flood Protection	G	A study is recommended to	SBC	Flood Study has progressed	Complete final appraisal reports
Study		develop upon previous studies,		well, with public exhibition held	and assess outputs against
		incorporating the most up to		in Newcastleton to gain public	Prioritisation criteria. This work is
		date information. The study will		feedback. The study is due for	programmed for completion
		further investigate the feasibility of		completion within the	within the timescales specified in
		a flood protection scheme in		timescales specified in the	the Solway LFRMP.
		Newcastleton, focusing on the		Solway LFRMP.	
		benefit of direct flood defenses			
		on the Liddel Water and further			
		property flood resilience scheme.			
		This study should also consider			
		natural flood management			
		action to reduce runoff into the			
		town. Other actions may also be			
		considered to select the most			
		sustainable combination of			
		actions.			
Maintain Flood	G	Continue to maintain the	SEPA	SEPA has continued to operate	N/A
Warning		Newcastleton Village flood		the flood warning service.	
		warning area which is part of the			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		Newcastleton river flood warning			
		scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Surface Water	G	The area must be covered by a	SBC	Newcastleton Surface Water	Study completed in cycle
Plan / Study		surface water management plan		Management Plan has been	timeframe.
		or plans that set objectives for the		drafted and is currently at the	
		management of surface water		internal review stage and is due	
		flood risk and identify the most		for completion within Q1 2019,	
		sustainable actions to achieve		within the timescales specified	
		the objectives.		in the Solway LFRMP.	

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Langholm (Potentially Vulnerable Area 14/04)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Esk (Solway)



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Summary of Progress for Langholm

There are approximately 180 residential properties and 20 non-residential properties at risk of flooding. The Annual Average Damages are approximately £300,000. Further information can be found in LFRMP under PVA 14/04. Page 53 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key Progress in reducing impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- A new flood warning service for the River Esk was completed, with flood warning areas provided for Langholm (Esk) and Langholm (Wauchope).
- Consultant has been appointed to progress a scheme to outline design and flood order.
- Assessment of flooding at Holmwood, Langholm is complete. PFR is programmed to be installed
 in affected properties late 2022.

Overview of actions to manage flooding in Langholm

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Langholm (14/04)	✓		√							✓		✓		✓	✓	✓	✓	✓

Summary of progress of actions to manage flood risk in Langholm (PVA 14/04)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
Flood Protection	Α	It is recommended that the	DGC	A scheme of direct defences	Timescales and prioritisation of
Scheme / Works		Council progress work on the		(combination of walls and	Schemes is currently being
		proposed flood protection		embankments) has been	considered by DGC to ensure
		scheme in Langholm. The		determined as the optimum	delivery. The scheme will
		Langholm Flood Risk Assessment		solution to protect Langholm	crossover into Cycle 2, however,
		has been completed which		from future flooding. There is	funding for Cycle 1 was over 10
		identified potential works within		however significant local	years (up to 2026).
		Langholm, including construction		opposition to such a scheme	
		of flood defences along the River		which led to one of the most	

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		Esk and Wauchope Water.		unpopular elements (a relief	
		Further work should be carried out		overflow channel across the	
		to identify the most sustainable		local park area) being removed.	
		combination of actions and		An Environmental Impact	
		further investigation made into		Assessment is required and this is	
		the impact of surface water		being costed at present.	
		runoff. Design options should take		Delays have been experienced	
		account of the new flood		as a result of COVID-19 (which	
		warning scheme and potential		adversely affected on-site	
		use of property flood resilience.		engagement, surveys, and	
				resourcing), the aforementioned	
				objection which resulted in	
				further engagement with the	
				Community, and the Scottish	
				Government/COSLA review	
				which had meant some	
				decisions on progressing the	
				project have been put on hold	
				until the outcome of the review	
				is known.	
				Government/COSLA review which had meant some decisions on progressing the project have been put on hold until the outcome of the review	

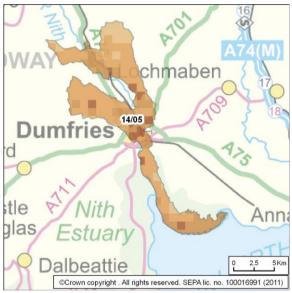
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
New Flood	G	Continue with the development	SEPA	A new flood warning service for	N/A
Warning		and implementation of flood		the River Esk was completed,	
		warnings on the River Esk at		with flood warning areas	
		Langholm.		provided for Langholm (Esk) and	
				Langholm (Wauchope). SEPA	
				has continued to operate the	
				flood warning service since it	
				was completed.	
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Maintenance	G		l		
Awareness	G				
Raising					
Emergency Plans	G	For details see "Progress with LPD-w	vide Actions''.		
/ Response		j			

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Dumfries Nith (Potentially Vulnerable Area 14/05)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Nith



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Summary of Progress for Dumfries Nith

There are approximately 600 residential properties and 240 non-residential properties at risk of flooding. The Annual Average Damages are approximately £2.3 million. Further information can be found in LFRMP under PVA 14/05. Page 65 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Whitesands project is now a confirmed flood protection scheme as at March 2020.
- Improvements undertaken on the Whitesands Flood Warning.
- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.

Overview of actions to manage flooding in Dumfries Nith

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Dumfries Nith (14/05)	✓		>						✓	✓	✓	~		✓	√	*	✓	✓

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

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Flood Protection Scheme / Works	A	It is recommended that the council progress work on the proposed flood protection scheme in Whitesands, Dumfries. Over a number of years Dumfries and Galloway Council have commissioned a number of studies to examine and understand the flooding issues	DGC	Scottish Ministers confirmed the Scheme without Modifications in March 2020, after reviewing the outcomes of the Public Local Inquiry (PLI) held in late 2018, DGC issued formal notification of the Scottish Ministers decision in 2020.	Timescales and prioritisation of Schemes is currently being considered by DGC to ensure delivery. If the scheme is given a commitment to proceed, a realistic timescale would not see construction until 2025/2026.

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		along with potential mitigation		The scheme has been delayed	
		options. The Whitesands Project		because of COVID-19, land	
		(Flood Protection Scheme and		ownership issues and discussions	
		Public Realm) identified potential		over the deemed planning	
		works within Dumfries. Further		consent (which is due to expire	
		work on the design of the scheme		in March 2023, and the Scottish	
		is still being carried out. The		Government/COSLA review	
		identified design should look to		which had meant some	
		promote the most sustainable		decisions on progressing the	
		combination of actions, enhance		project have been put on hold	
		the local amenity value of the		until the outcome of the review	
		river while taking account of the		is known.	
		local concerns including			
		construction of flood defenses			
		along the River Nith in Dumfries.			
New Flood	G	The area under consideration	SEPA	A new flood warning service for	N/A
Warning		includes properties affected by		the Upper Nith at Kirkconnel was	
		flooding from the Upper River Nith		completed in 2018. SEPA has	
		(from Kirkconnel downstream).		continued to operate the flood	

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		Forecasting capability is currently		warning service since it was	
		under development in this area.		completed.	
Maintain Flood	G	Continue to maintain the	SEPA	SEPA has continued to operate	N/A
Warning		Whitesands flood warning area		the flood warning service.	
		which is part of the Nith river flood			
		warning scheme. Continue to			
		maintain the Upper Solway Firth			
		and Nith Tidal flood warning			
		areas which are part of the			
		Solway coastal flood warning			
		scheme.			
Surface Water	R	The area must be covered by a	DGC	Surface water plan will not be	Competing demands and
Plan / Study		surface water management plan		delivered in the cycle	budgets required the council to
		or plans that set objectives for the		timeframe.	prioritise actions that were felt to
		management of surface water			deliver greatest benefits. There is
		flood risk and identify the most			a lower confidence in surface
		sustainable actions to achieve			water flood risks therefore other
		the objectives.			actions were completed prior to
					these works. The council intend

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
					to address surface water issues
					in Cycle2 plan.
Strategic	Α	SEPA will seek to develop flood	SEPA	Coastal: Work completed to	Coastal: SEPA will complete a
Mapping and		mapping in the Middle and Lower		date includes the production of	review of coastal flood hazard
Modelling		River Nith area to improve		key data sets including extreme	mapping in south west Scotland
		understanding of flood risk. SEPA		water levels and offshore wave	including in this area. This
		will seek to develop flood		and wind conditions to support	includes identifying where taking
		mapping in the Gretna to		future coastal modelling work.	account of the impact of waves
		Portpatrick area to improve		Although this work has not been	on flooding from the sea may be
		understanding of coastal flood		completed to the timescale	required. SEPA will collect the
		risk. The extent and timing of		described in the plan, the work	required coastal defence asset
		improvements will depend on		that will be progressed will	and other information necessary
		detailed scoping and data		deliver a more comprehensive	to progress with improved flood
		availability. Where this work		update of the coastal flood	modelling and mapping in the
		coincides with local authority		hazard maps across the whole	highest priority areas taking
		studies, SEPA will work		area.	account of wave overtopping
		collaboratively to ensure		River: Action not complete.	where required. SEPA will look for
		consistent modelling approaches		Surface water.	opportunities to progress future
		are applied.		Johnson Walor.	modelling work in a way that
					best supports improvements to

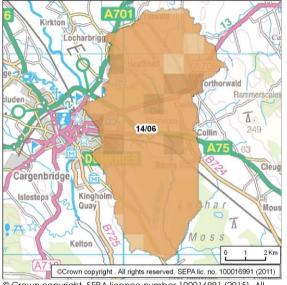
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		SEPA will seek to incorporate		For updates see LPD wide	SEPA's Coastal Flood Warning
		additional surface water data		actions.	Schemes. Expected to progress
		into the flood maps to improve			to the next stage around the
		understanding of flood risk.			middle of cycle 2 and complete
		Approximately 1,100km² of			early in the following cycle
		improved surface water data is			subject to funding.
		currently available within this			River: SEPA began working on
		Local Plan District. The inclusion of			river mapping updates in this
		additional surface water hazard			area but upon review of the
		data resulting from the			available information it is not
		completion of local authority			appropriate to complete the
		surface water management			update at this time. A review of
		plans will be considered as these			how modelling and mapping
		projects are completed.			updates are undertaken is being
					conducted to develop a more
					effective method of regional
					and national updates.
Strategic	G	Scottish Water will carry out an	Scottish	Works completed Lincluden	
Mapping and	0	assessment of flood risk within the	Water	2017; Dalscone 2018 and	
Mapping and Modelling		highest risk sewer catchments to	**4161	Dumfries 2019.	
Modelling		Trigitesi iisk sewei calcilitietiis 10		Domines zurz.	

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions''.		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Dumfries East (Potentially Vulnerable Area 14/06)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Lochar Water



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Summary of Progress for Dumfries East

There are approximately 110 residential properties at risk of flooding. The Annual Average Damages are approximately £240,000. Further information can be found in LFRMP under PVA 14/06. Page 81 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.

Overview of actions to manage flooding in Dumfries East

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Dumfries East (14/06)										✓	✓	✓		✓	✓	✓	✓	✓

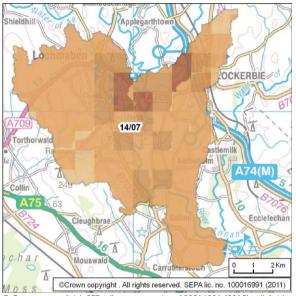
Summary of progress of actions to manage flood risk in Dumfries East (PVA 14/06)

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
			D00		
Surface Water	R	The area must be covered by a	DGC	Surface water plan will not be	Competing demands and
Plan / Study		surface water management plan		delivered in the cycle	budgets required the council to
		or plans that set objectives for the		framework.	prioritise actions that were felt to
		management of surface water			deliver greatest benefits. There is
		flood risk and identify the most			a lower confidence in surface
		sustainable actions to achieve			water flood risks therefore other
		the objectives.			actions were completed prior to
					these works. The council intend

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
					to address surface water issues in Cycle2 plan.
Strategic Mapping and Modelling	G	Scottish Water will carry out an assessment of flood risk within the highest risk sewer catchments to improve knowledge and understanding of surface water flood risk.	Scottish Water	Works completed 2019	
Awareness Raising	G	For details see "Progress with LPD-w	vide Actions".		
Emergency Plans / Response	G				
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Lochmaben - Lockerbie (Potentially Vulnerable Area 14/07)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Annan



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Summary of Progress for Lochmaben - Lockerbie

There are approximately 50 residential properties and 20 non-residential properties at risk of flooding. The Annual Average Damages are approximately £300,000. Further information can be found in LFRMP under PVA 14/07. Page 91 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Lochmaben - Lockerbie

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Lockerbie										✓		✓		<	✓	✓	✓	✓
(14/07)																		

Summary of progress of actions to manage flood risk in Lochmaben - Lockerbie (PVA 14/07)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Strategic	Α	SEPA will seek to incorporate	SEPA	Update on surface water	Update on planned actions for
Mapping and		additional surface water data		mapping is provided in LPD wide	surface water mapping is
Modelling		into the flood maps to improve		actions.	provided in LPD wide actions.
		understanding of flood risk.			
		Approximately 1,100km² of			
		improved surface water data is			
		currently available within this			
		Local Plan District. The inclusion of			

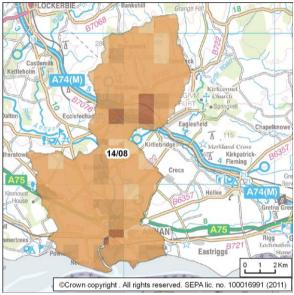
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		additional surface water hazard			
		data resulting from the			
		completion of local authority			
		surface water management			
		plans will be considered as these			
		projects are completed.			
Strategic	G	Scottish Water will carry out an	Scottish	Works completed Lochmaben	
Mapping and		assessment of flood risk within the	Water	2017 and Lockerbie 2019	
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	ide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				

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Status	Description	Delivery	FINAL REPORT	Revised dates and planned
		Lead		actions to complete / address
				delay
G				
G				
			G Lead	Lead C

Ecclefechan - Annan (Potentially Vulnerable Area 14/08)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Annan Annan Coastal



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Summary of Progress for Ecclefechan - Annan

There are approximately 240 residential properties and 70 non-residential properties at risk of flooding. The Annual Average Damages are approximately £590,000. Further information can be found in LFRMP under PVA 14/08. Page 100 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.
- Flood Study completed on Surface water issues at Eaglesfield.

Overview of actions to manage flooding in Ecclefechan - Annan

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Ecclefechan - Annan (14/08)							✓		*	✓	√	✓		✓	✓	✓	✓	~

Summary of progress of actions to manage flood risk in Ecclefechan - Annan (PVA 14/08)

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Flood Protection	Α	A study is recommended to	DGC	Shoreline Management Plan will	Updated Shoreline
Study		further develop the		not be delivered in the cycle	Management Plan to be
		understanding of coastal flooding		timeframe.	published in Summer 2023. It will
		along the Solway coastline. This			include updated policy for
		study should build on from the			management of coastal flood
		previous shoreline management			and erosion risks along DGC
		plan to investigate flooding and			coastline over a 100-year
		coastal erosion, wave			planning horizon.
		overtopping and the current			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		coastal protection offered. The			
		study may focus in detail on			
		Potentially Vulnerable Areas			
		however it could also look at the			
		risk to other areas.			
		The study will help to develop an			
		understanding of coastal issues			
		and identify where further work			
		may be required to mitigate			
		against flooding.			
Maintain Flood	G	Continue to maintain the Upper	SEPA	SEPA has continued to operate	N/A
Warning		Solway Firth flood warning area		the flood warning service.	
		which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			
		event data to ensure that our			

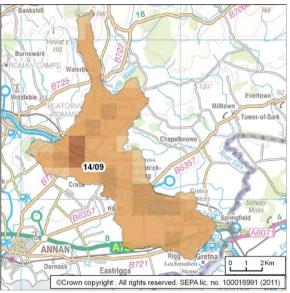
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		flood warning service is timely			
		and accurate.			
Surface Water	R	The area must be covered by a	DGC	The study has not started,	Competing demands and
Plan / Study		surface water management plan		however works undertaken by	budgets required the council to
		or plans that set objectives for the		Scottish Water have largely	prioritise actions that were felt to
		management of surface water		addressed the known surface	deliver greatest benefits. There is
		flood risk and identify the most		water flooding in Annan.	a lower confidence in surface
		sustainable actions to achieve			water flood risks therefore other
		the objectives.			actions were completed prior to
					these works. The council intend
					to address surface water issues
					in Cycle2 plan.
Strategic	Α	SEPA will seek to incorporate	SEPA	Surface water: Update on	Surface water: Update on
Mapping and		additional surface water data		surface water mapping is	planned actions for surface
Modelling		into the flood maps to improve		provided in LPD wide actions	water mapping is provided in
		understanding of flood risk.		Coastal: Work completed to	LPD wide actions
		Approximately 1,100km² of		date includes the production of	Coastal: SEPA will complete a
		improved surface water data is		key data sets including extreme	review of coastal flood hazard
		currently available within this		water levels and offshore wave	mapping in south west Scotland
		Local Plan District. The inclusion of		and wind conditions to support	including in this area. This

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		additional surface water hazard		future coastal modelling work.	includes identifying where taking
		data resulting from the		Although this work has not been	account of the impact of waves
		completion of local authority		completed to the timescale	on flooding from the sea may be
		surface water management		described in the plan, the work	required. SEPA will collect the
		plans will be considered as these		that will be progressed will	required coastal defence asset
		projects are completed.		deliver a more comprehensive	and other information necessary
		SEPA will seek to develop flood		update of the coastal flood	to progress with improved flood
		mapping in the Gretna to		hazard maps across the whole	modelling and mapping in the
		Portpatrick area to improve		area.	highest priority areas taking
		understanding of coastal flood			account of wave overtopping
		risk. The extent and timing of			where required. SEPA will look for
		improvements will depend on			opportunities to progress future
		detailed scoping and data			modelling work in a way that
		availability. Where this work			best supports improvements to
		coincides with local authority			SEPA's Coastal Flood Warning
		studies, SEPA will work			Schemes. Expected to progress
		collaboratively to ensure			to the next stage around the
		consistent modelling approaches			middle of cycle 2 and complete
		are applied.			early in the following cycle
					subject to funding.

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Kirtle Water Catchment (Potentially Vulnerable Area 14/09)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Gretna Coastal



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Summary of Progress for Kirtle Water Catchment

There are approximately 20 residential properties and 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £140,000. Further information can be found in LFRMP under PVA 14/09. Page 114 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Kirtle Water Catchment

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Kirtle Water																		
catchment									~	√		√		~	✓	~	✓	~
(14/09)																		

Summary of progress of actions to manage flood risk in Kirtle Water Catchment (PVA 14/09)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
Maintain Flood	G	Continue to maintain the Upper	SEPA	SEPA has continued to operate	N/A
Warning		Solway Firth flood warning area		the flood warning service.	
		which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			

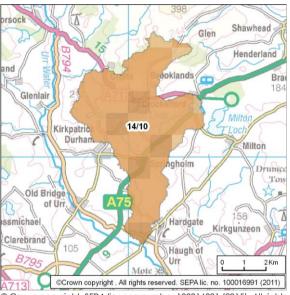
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		SEPA will use feedback and post-			
		event data to ensure that our			
		flood warning service is timely			
		and accurate			
Strategic	А	SEPA will seek to incorporate	SEPA	For final progress on surface	For final progress on surface
Mapping and		additional surface water data		water mapping, see progress	water mapping, see progress
Modelling		into the flood maps to improve		with Local Plan District wide	with Local Plan District wide
		understanding of flood risk.		actions.	actions.
		Approximately 1,100km² of			
		improved surface water data is			
		currently available within this			
		Local Plan District. The inclusion of			
		additional surface water hazard			
		data resulting from the			
		completion of local authority			
		surface water management			
		plans will be considered as these			
		projects are completed.			

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Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Springholm (Potentially Vulnerable Area 14/10)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Urr Water



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Summary of Progress for Springholm

There are approximately 30 residential properties and 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £100,000. Further information can be found in LFRMP under PVA 14/10. Page 124 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Springholm

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Springholm (14/10)										✓		~	√		✓	✓	✓	✓

Summary of progress of actions to manage flood risk in Springholm (PVA 14/10)

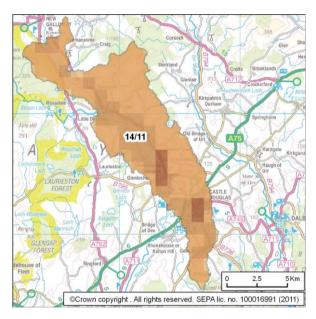
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Maintain Flood	G	Continue to maintain the existing	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Springholm flood defenses. The		to be undertaken as part of the	recurring statutory process.
Scheme		Springholm Flood Protection		Councils duties in accordance	
		Scheme was completed in 1990		with Section 18.	
		and consisted of the installation			
		of a water gate, channel			
		improvements and replacement			
		culverts on the Culsharn Burn.			

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Awareness	G	For details see "Progress with LPD-wide Actions".
Raising		
Emergency Plans	G	
/ Response		
Flood Forecasting	G	
Self Help	G	
Maintenance	G	
Planning Policies	G	

Castle Douglas (Potentially Vulnerable Area 14/11)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Dee (Solway)



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Summary of Progress for Castle Douglas

There are approximately 180 residential properties and 30 non-residential properties at risk of flooding. The Annual Average Damages are approximately £430,000. Further information can be found in LFRMP under PVA 14/11. Page 132 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- The Galloway Glens landscape partnership undertook a Natural Flood Management Study.

Overview of actions to manage flooding in Castle Douglas

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Castle Douglas								√		~		√		<	~	~	<	√
(14/11)																		

Summary of progress of actions to manage flood risk in Castle Douglas (PVA 14/11)

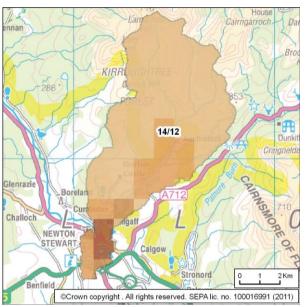
Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Natural Flood	G	As part of the wider Galloway	DGC	Galloway Glens Partnership Natural	Recommendations of the
Management		Glens Landscape Partnership		Flood Management Scoping Study	Scoping Study have not yet
Study		Scheme, Dumfries and Galloway Council propose to investigate whether Natural Flood Management measures can be utilised on the small tributaries of the Dee to reduce flood risk to		published December 2016. The report highlighted potential opportunities for NFM measures but these are subject to a number of complex considerations such as suitability in landscape terms,	been implemented due to limited budget, however progress has been made in that allocated NFM funding has been diverted into native tree planting actions in the

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		settlements in the Dee		landowner approval and require a	region. The South of Scotland
		catchment and provide other		scale of operation not immediately	Tree Planting Grant Scheme
		ecological and habitat benefits.		possible through the Galloway	was launched in April 2021. In
				Glens Landscape Partnership	the first year (April 2021 -
				Scheme.	March 2022), 123 applications
					have been approved and
					20,523 individual trees have
					been planted, covering an
					area of 24.81ha.
Strategic	A	SEPA will review existing	SEPA	Action not complete.	SEPA began working on river
Mapping and		modelling and data for this			mapping updates in this area
Modelling		area, to determine if any			but upon review of the
		improvements can be made to			available information it is not
		the flood maps. SEPA will			appropriate to complete the
		support the local authority if			update at this time. A review
		further detailed study beyond a			of how modelling and
		strategic scale is required.			mapping updates are
					undertaken is being
					conducted to develop a more

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
					effective method of regional and national updates.
Strategic Mapping and Modelling	G	Scottish Water will carry out an assessment of flood risk within the highest risk sewer catchments to improve knowledge and understanding of surface water flood risk.	Scottish Water	Works completed 2017	
Awareness Raising	G	For details see "Progress with LPD-	wide Actions".		
Emergency Plans / Response	G				
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Newton Stewart (Potentially Vulnerable Area 14/12)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Cree



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Summary of Progress for Newton Stewart

There are approximately 210 residential properties and 70 non-residential properties at risk of flooding. The Annual Average Damages are approximately £540,000. Further information can be found in LFRMP under PVA 14/12. Page 143 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- A new flood warning service for the River Cree was completed, with flood warning areas provided for Challoch and Newton Stewart.
- Development of Flood Protection Scheme to preferred option, numerous successful public engagement events held in 2021.
- Scheme development continuing to progress with publication early 2023.
- Sparling Bridge installed in November 2019 as advanced works.

Overview of actions to manage flooding in Newton Stewart

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Newton Stewart (14/12)	✓		✓	✓						~		√		~	√	<	<	✓

Summary of progress of actions to manage flood risk in Newton Stewart (PVA 14/12)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Flood Protection	Α	It is recommended that the	DGC	Replacement of the Sparling	Timescales and prioritisation of
Scheme / Works		Council progress work on the		Bridge (undertaken as	Schemes is currently being
		proposed flood protection		advanced works but part of the	considered by DGC to ensure
		scheme in Newton Stewart. The		overall flood protection	delivery.
		Newton Stewart Flood Study		scheme) was completed in	If Newton Stewart is given a
		identified potential works,		2019.	commitment to proceed then it
		including construction of direct		Work on the Scheme's outline	is likely publication would take
		defenses along the River Cree		design has been substantially	place in early 2023, with

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		and Penkiln Burn. The study is		completed with additional	construction expected to start in
		being further refined to consider		engagement and survey work	2025/26.
		actions that increase the level of		ongoing to finalise the	
		protection offered. This includes		publication documentation.	
		raising of a footbridge over the		Delays have been experienced	
		River Cree in combination with		as a result of COVID-19 (which	
		increased direct defenses.		adversely affected on-site	
		Other actions may also be		engagement, surveys, and	
		considered to select the most		resourcing), the	
		sustainable combination of		aforementioned objection	
		actions.		which resulted in further	
				engagement with the	
				Community, and the Scottish	
				Government/COSLA review	
				which had meant some	
				decisions on progressing the	
				project have been put on hold	
				until the outcome of the review	
				is known.	

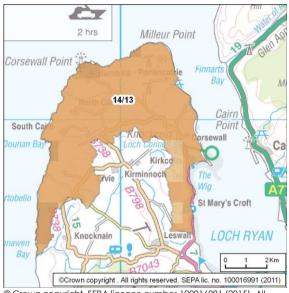
Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
			Lead		delay
New Flood	G	The maintenance of SEPA's flood	SEPA	A new flood warning service for	N/A
Warning		warning service is funded by		the River Cree was completed,	
		Scottish Government through		with flood warning areas	
		SEPA's grant in aid settlement. In		provided for Challoch and	
		addition, the Government		Newton Stewart. SEPA has	
		provide grant funding to enable		continued to operate the flood	
		SEPA to implement new flood		warning service since it was	
		warning schemes.		completed.	
Community Flood	G	The local community set up the	Community	Cree Valley Community Council	N/A
Action Groups		Newton Stewart Flood Action		Flood Action Group	
		group, to raise awareness of flood		representatives have had	
		risk in the area.		representation during the	
				outline design process of the	
				Newton Stewart FPS and	
				replacement of Sparling Bridge.	
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Kirkcolm (Potentially Vulnerable Area 14/13)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Kirkcolm

There are approximately 10 residential properties at risk of flooding. The Annual Average Damages are approximately £59,000. Further information can be found in LFRMP under PVA 14/13. Page 155 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Kirkcolm

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Kirkcolm (14/13)										√		√	√		✓	√	√	✓

Summary of progress of actions to manage flood risk in Kirkcolm (PVA 14/13)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
Maintain Flood	G	Continue to maintain the existing	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Kirkcolm flood defenses. The		to be undertaken as part of the	recurring statutory process.
Scheme		Kirkcolm Flood Protection		Councils duties in accordance	
		Scheme was constructed on		with Section 18.	
		behalf of Dumfries and Galloway			
		Council in 1981 and involved			
		channel improvements and			
		culvert upgrades. Installation of a			
		new headwall and trash screen			

			_	
		occurred in 2012 along with the		
		installation of a water level		
		gauging station at the site of the		
		1981 Flood Protection Scheme.		
		Dumfries and Galloway Council		
		also have sections of coastal		
		erosion defenses including		
		seawalls at Kirkcolm.		
A		For details and "Donaman "11 100	:-I - A - 1: "	
Awareness	G	For details see "Progress with LPD-w	/Ide Actions"	
Raising				
Emergency Plans	G			
/ Response				
Flood Forecasting	G			
0.1511.1				
Self Help	G			
Maintenance	G			
Planning Policies	G			
İ				

Portpatrick (Potentially Vulnerable Area 14/14)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Portpatrick

There are approximately 10 residential properties and 10 non-residential properties at risk of flooding. The Annual Average Damages are approximately £54,000. Further information can be found in LFRMP under PVA 14/14. Page 163 of the SLPD Local Flood Risk Management Plan

(http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- Installation of Baffle Arrangements to prevent a built op of debris at burn outlet.
- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Portpatrick

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Portpatrick (14/14)									√	✓		✓	√	✓	✓	✓	✓	<

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

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Maintain Flood	G	Continue to maintain the South	SEPA	SEPA has continued to operate	N/A
Warning		West Rhins flood warning area		the flood warning service.	
		which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Maintain Flood	G	Continue to maintain the existing	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Portpatrick flood defenses. The		to be undertaken as part of the	recurring statutory process.
Scheme		Portpatrick Flood Protection		Councils duties in accordance	
		Scheme was constructed in 2004		with Section 18.Drain covers	
		on behalf of Dumfries and		were replaced at a number of	
		Galloway Council and consisted		locations early 2018 following	
		of upstream attenuation areas,		storm damage inspections.	
		channel improvements, bridge			
		raising, a storm bypass pipe and			
		walls.			
Strategic	A	SEPA will seek to develop flood	SEPA	Work completed to date	SEPA will complete a review of
Mapping and		mapping in the Gretna to		includes the production of key	coastal flood hazard mapping in
Modelling		Portpatrick area to improve		data sets including extreme	south west Scotland including in
		understanding of coastal flood		water levels and offshore wave	this area. This includes identifying
		risk. The extent and timing of		and wind conditions to support	where taking account of the
		improvements will depend on		future coastal modelling work.	impact of waves on flooding
		detailed scoping and data		Although this work has not been	from the sea may be required.

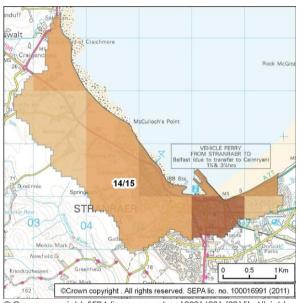
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		availability. Where this work		completed to the timescale	SEPA will collect the required
		coincides with local authority		described in the plan, the work	coastal defence asset and other
		studies, SEPA will work		that will be progressed will	information necessary to
		collaboratively to ensure		deliver a more comprehensive	progress with improved flood
		consistent modelling approaches		update of the coastal flood	modelling and mapping in the
		are applied.		hazard maps across the whole	highest priority areas taking
				area.	account of wave overtopping
					where required. SEPA will look for
					opportunities to progress future
					modelling work in a way that
					best supports improvements to
					SEPA's Coastal Flood Warning
					Schemes. Expected to progress
					to the next stage around the
					middle of cycle 2 and complete
					early in the following cycle
					subject to funding.
Maintenance	G			L	1
Awareness	G				
Raising					

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Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay							
Emergency Plans	G											
/ Response												
Flood Forecasting	G	For details see "Progress with LPD-w	or details see "Progress with LPD-wide Actions".									
Self Help	G											
Planning Policies	G											

Stranraer (Potentially Vulnerable Area 14/15)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Stranraer

There are approximately 290 residential properties and 60 non-residential properties at risk of flooding. The Annual Average Damages are approximately £3600,000. Further information can be found in LFRMP under PVA 14/15. Page 173 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Remaining work items of Stranraer Flood protection scheme to be completed by summer 2023.
- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.

Overview of actions to manage flooding in Stranraer

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Stranraer (14/15)	✓						✓		✓	√		√	√	✓	✓	✓	✓	✓

Summary of progress of actions to manage flood risk in Stranraer (PVA 14/15)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
			200		·
Flood Protection	A	It is recommended that the	DGC	Works substantially complete.	Outstanding final phase of works
Scheme / Works		council progress work on the			due to complete early 2023.
		proposed flood protection			
		scheme in Stranraer. Assessment			
		of the flood risk within Stranraer			
		identified a number of works to			
		reduce flooding to people and			
		properties. The Stranraer Flood			
		Protection Works is split into			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		different items with two			
		outstanding items of work. The first			
		will help to alleviate flooding to			
		properties in the Ochtrelure area,			
		by increasing hydraulic capacity			
		issues at the head of the system.			
		The favoured option includes			
		diversion of flows. The second			
		item of work is concerned with			
		flooding on the Town Burn mainly			
		downstream of the railway			
		culvert. The preferred option for			
		the Station Road area is to			
		regulate flow passing through the			
		railway culvert and therefore			
		alleviate flood risk in this area.			
Flood Protection	G	Network Rail will carry out civil	Network Rail		
Scheme / Works		engineering work which will			
		reduce flood risk to identified			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		sections of the rail network within			
		this Potentially Vulnerable Area.			
Flood Protection	Α	A study is recommended to	DGC	Shoreline Management Plan will	Updated Shoreline
Study		further develop the		not be delivered in the cycle	Management Plan to be
		understanding of coastal flooding		timeframe.	published in Summer 2023. It will
		along the Solway coastline. This			include updated policy for
		study should build on from the			management of coastal flood
		completed Flood Risk Assessment			and erosion risks along DGC
		for the Stranraer Harbour area			coastline over a 100-year
		and the previous shoreline			planning horizon.
		management plan to investigate			
		flooding and coastal erosion,			
		wave overtopping and the			
		current coastal protection			
		offered.			
		The study may focus in detail on			
		Potentially Vulnerable Areas			
		however it could also look at the			
		risk to other areas.			

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
		The study will help to develop an			
		understanding of coastal issues			
		and identify where further work			
		may be required to mitigate			
		against flooding.			
Maintain Flood	G	Continue to maintain the Loch	SEPA	SEPA has continued to operate	N/A
Warning System		Ryan flood warning area which is		the flood warning service.	
		part of the Solway coastal flood			
		warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			

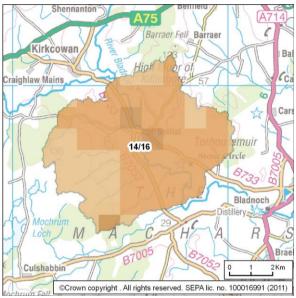
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Maintain Flood	G	Stranraer Flood Protection Works	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		is split into work items which are		to be undertaken as part of the	recurring statutory process.
Scheme		currently at different stages of		Councils duties in accordance	
		completion. Works to date		with Section 18.	
		include upgrading of culverts,			
		installation of trash screens, silt			
		traps and automatic air bricks to			
		properties. The standard of			
		protection of these works is 200			
		years. The works should all be			
		maintained once completed.			
		Levels of flood risk are likely to			
		increase over time as a			
		consequence of climate change.			
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2019.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			

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Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Spittal (Potentially Vulnerable Area 14/16)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	River Bladnoch



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Summary of Progress for Spittal

There are approximately less than 10 residential properties at risk of flooding. The Annual Average Damages are approximately £26,000. Further information can be found in LFRMP under PVA 14/16. Page 187 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Spittal

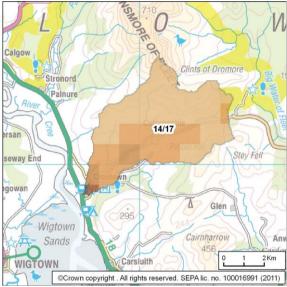
PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Spittal (14/16)										√		√			✓	✓	✓	<

Summary of progress of actions to manage flood risk in Spittal (PVA 14/16)

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Creetown (Potentially Vulnerable Area 14/17)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Creetown

There are approximately 90 residential properties and 20 non-residential properties at risk of flooding. The Annual Average Damages are approximately £340,000. Further information can be found in LFRMP under PVA 14/17. Page 195 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.

Overview of actions to manage flooding in Creetown

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Creetown (14/17)							✓		√	✓		✓	√	√	✓	√	√	✓

Summary of progress of actions to manage flood risk in Creetown (PVA 14/17)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
Flood Protection	Α	A study is recommended to	DGC	Shoreline Management Plan will	Updated Shoreline
Study		further develop the		not be delivered in the cycle	Management Plan to be
		understanding of coastal flooding		timeframe.	published in Summer 2023. It will
		along the Solway coastline. This			include updated policy for
		study should build on from the			management of coastal flood
		previous shoreline management			and erosion risks along DGC
		plan to investigate flooding and			coastline over a 100-year
		coastal erosion, wave			planning horizon.
		overtopping and the current			

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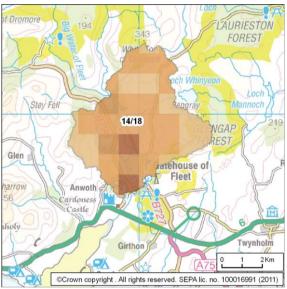
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		coastal protection offered. The			
		study may focus in detail on			
		Potentially Vulnerable Areas			
		however it could also look at the			
		risk to other areas.			
		The study will help to develop an			
		understanding of coastal issues			
		and identify where further work			
		may be required to mitigate			
		against flooding.			
Maintain Flood	G	Continue to maintain the Inner	SEPA	SEPA has continued to operate	N/A
Warning		Wigtown Bay flood warning area		the flood warning service.	
		which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			
		event data to ensure that our			

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Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
		flood warning service is timely and accurate.			
Strategic Mapping and Modelling	G	Scottish Water will carry out an assessment of flood risk within the highest risk sewer catchments to improve knowledge and understanding of surface water flood risk.	Scottish Water	Works completed 2019	
Awareness Raising	G	For details see "Progress with LPD-w	ride Actions".		
Emergency Plans / Response	G				
Flood Forecasting	G				
Self Help Maintenance	G G				
Planning Policies	G				

Gatehouse of Fleet (Potentially Vulnerable Area 14/18)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Gatehouse of Fleet

There are approximately less than 10 residential properties and non-residential properties at risk of flooding. The Annual Average Damages are approximately £19,000. Further information can be found in LFRMP under PVA 14/18. Page 206 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/).

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Gatehouse of Fleet

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Gatehouse of Fleet (14/18)									<	✓		<		√	✓	✓	✓	√

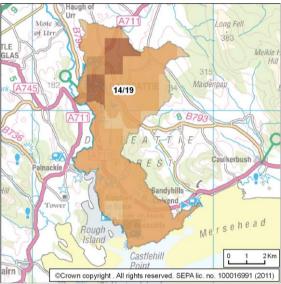
Summary of progress of actions to manage flood risk in Gatehouse of Fleet (PVA 14/18)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Maintain Flood	G	Continue to maintain the Fleet	SEPA	SEPA has continued to operate	N/A
Warning		Bay flood warning area which is		the flood warning service.	
		part of the Solway coastal flood			
		warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Strategic	G	Scottish Water will carry out an	Scottish	Works completed 2016.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Dalbeattie (Potentially Vulnerable Area 14/19)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Stewartry Coastal



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Summary of Progress for Dalbeattie

There are approximately 280 residential properties and 80 non-residential properties at risk of flooding. The Annual Average Damages are approximately £570,000. Further information can be found in LFRMP under PVA 14/19. Page 215 of the SLPD Local Flood Risk Management Plan

(http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Dalbeattie Flood Study updated August 2016.
- 41 no of flap valves fitted within the existing flood protection scheme in 2016/17.
- Numerous small projects undertaken 2022 installing new trash screens and manholes to reduce local flood risk.

Overview of actions to manage flooding in Dalbeattie

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Dalbeattie (14/19)							✓		✓	✓		*	~	√	*	✓	~	✓

Summary of progress of actions to manage flood risk in Dalbeattie (PVA 14/19)

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Flood Protection	А	A study is recommended to	DGC	Shoreline Management Plan will	Updated Shoreline
Study		further develop the		not be delivered in the cycle	Management Plan to be
		understanding of coastal flooding		timeframe.	published in Summer 2023. It will
		along the Solway coastline. This			include updated policy for
		study should build on from the			management of coastal flood
		previous shoreline management			and erosion risks along DGC
		plan to investigate flooding and			coastline over a 100-year
		coastal erosion, wave			planning horizon.
		overtopping and the current			

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		coastal protection offered. The			
		study may focus in detail on			
		Potentially Vulnerable Areas			
		however it could also look at the			
		risk to other areas.			
		The study will help to develop an			
		understanding of coastal issues			
		and identify where further work			
		may be required to mitigate			
		against flooding.			
Flood Protection	G	A study is recommended to	DGC	Report finalised August 2016	
Study	G	further investigate the standard of	DGC	Report in alised August 2010	
Siody		protection of the current			
		defenses in Dalbeattie along with			
		the current and future level of risk			
		in the town. If a review of the risk			
		identifies future work is required			
		now or in the future, the study			
		should examine the feasibility of			
		enhancing the flood protection			

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		scheme, focusing on			
		improvement to the conveyance			
		of the Kirkgunzeon Lane			
		watercourse, and the			
		improvement of direct flood			
		defenses on the Kirkgunzeon			
		Lane.			
		This study should also consider the			
		role natural flood management			
		actions can have to reduce			
		runoff and slow water within the			
		river. Other actions may also be			
		considered to select the most			
		sustainable combination of			
		actions.			
Maintain Flood	G	Continue to maintain the Rough	SEPA	SEPA has continued to operate	N/A
Warning		Firth and Southerness Point flood		the flood warning service.	
		warning areas which are part of			
		the Solway coastal flood warning			
		scheme.			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Maintain Flood	G	Dalbeattie Flood Protection	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Scheme was completed in 1981		to be undertaken as part of the	recurring statutory process.
Scheme		and consisted of flood banks,		Councils duties in accordance	
		flood walls, and channel		with Section 18.41 Non Return	
		improvements to Kirkgunzeon		Flap Valves purchased and	
		Lane, Dalbeattie Burn and		installed in 2016/17.	
		Drumjohn Burn. Maintenance		Maintenance work progressed	
		should be continued. The level of		2022 to reseal expansion joints	
		protection provided by these		and remove vegetation to	
		defenses may decrease due to		prevent deterioration of the	
		the impact of climate change.		scheme.	

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Strategic	A	SEPA will seek to develop flood	SEPA	Coastal: Work completed to	SEPA will complete a review of
Mapping and		mapping in the Gretna to		date includes the production of	coastal flood hazard mapping in
Modelling		Portpatrick area to improve		key data sets including extreme	south west Scotland including in
		understanding of coastal flood		water levels and offshore wave	this area. This includes identifying
		risk. The extent and timing of		and wind conditions to support	where taking account of the
		improvements will depend on		future coastal modelling work.	impact of waves on flooding
		detailed scoping and data		Although this work has not been	from the sea may be required.
		availability. Where this work		completed to the timescale	SEPA will collect the required
		coincides with local authority		described in the plan, the work	coastal defence asset and other
		studies, SEPA will work		that will be progressed will	information necessary to
		collaboratively to ensure		deliver a more comprehensive	progress with improved flood
		consistent modelling approaches		update of the coastal flood	modelling and mapping in the
		are applied.		hazard maps across the whole	highest priority areas taking
		SEPA will seek to incorporate		area.	account of wave overtopping
		additional surface water data		Surface Water: For final progress	where required. SEPA will look for
		into the flood maps to improve		on surface water mapping, see	opportunities to progress future
		understanding of flood risk.		final progress with LPD wide	modelling work in a way that
		Approximately 1,100km² of		actions.	best supports improvements to
		improved surface water data is			SEPA's Coastal Flood Warning
		currently available within this			Schemes. Expected to progress
		,			to the next stage around the

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		Local Plan District. The inclusion of			middle of cycle 2 and complete
		additional surface water hazard			early in the following cycle
		data resulting from the			subject to funding.
		completion of local authority			Surface Water: For planned
		surface water management			actions on surface water
		plans will be considered as these			mapping, see progress with
		projects are completed.			Local Plan District wide actions.
	_				
Strategic	G	Scottish Water will carry out an	Scottish	Works complete 2017.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk.			
Awareness	G	For details see "Progress with LPD-w	ide Actions".		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Self Help	G				
Maintenance	G				
Planning Policies	G				

Palnackie (Potentially Vulnerable Area 14/20)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Stewartry Coastal



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Summary of Progress for Palnackie

There are approximately less than 10 residential properties at risk of flooding. The Annual Average Damages are approximately £3,000. Further information can be found in LFRMP under PVA 14/20. Page 228 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Palnackie

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Palnackie (14/20)									✓	√		√	√	✓	✓	✓	√	✓

Summary of progress of actions to manage flood risk in Palnackie (PVA 14/20)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Maintain Flood	G	Continue to maintain the Rough	SEPA	SEPA has continued to operate	N/A
Warning		Firth flood warning area which is		the flood warning service.	
		part of the Solway coastal flood			
		warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			
		SEPA will use feedback and post-			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Maintain Flood	G	Continue to maintain the existing	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Palnackie flood defenses. The		to be undertaken as part of the	recurring statutory process.
Scheme		Palnackie flood protection works		Councils duties in accordance	
		were constructed on behalf of		with Section 18.	
		Dumfries and Galloway Council in			
		2004 and involved replacing a			
		stone lade with a culvert and			
		new outlet.			
Strategic	Α	SEPA will seek to develop flood	SEPA	Coastal: Work completed to	Coastal: SEPA will complete a
Mapping and		mapping in the Gretna to		date includes the production of	review of coastal flood hazard
Modelling		Portpatrick area to improve		key data sets including extreme	mapping in south west Scotland
		understanding of coastal flood		water levels and offshore wave	including in this area. This
		risk. The extent and timing of		and wind conditions to support	includes identifying where taking
		improvements will depend on		future coastal modelling work.	account of the impact of waves
		detailed scoping and data		Surface Water: For final progress	on flooding from the sea may
		availability. Where this work		on surface water mapping, see	be required. WSEPA will collect
		coincides with local authority		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the required coastal defence

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		studies, SEPA will work		progress with Local Plan District	asset and other information
		collaboratively to ensure		wide actions.	necessary to progress with
		consistent modelling approaches			improved flood modelling and
		are applied.			mapping in the highest priority
		SEPA will seek to incorporate			areas taking account of wave
		additional surface water data			overtopping where required.
		into the flood maps to improve			SEPA will look for opportunities to
		understanding of flood risk.			progress future modelling work in
		Approximately 1,100km2 of			a way that best supports
		improved surface water data is			improvements to SEPA's Coastal
		currently available within this			Flood Warning Schemes.
		Local Plan District. The inclusion of			Expected to progress to the next
		additional surface water hazard			stage around the middle of
		data resulting from the			cycle 2 and complete early in
		completion of local authority			the following cycle subject to
		surface water management			funding.
		plans will be considered as these			Surface Water: For planned
		projects are completed.			actions on surface water
					mapping, see progress with
					Local Plan District wide actions.

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Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Awareness	G	For details see "Progress with LPD-w	vide Actions''		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Southerness and Carsethorn (Potentially Vulnerable Area 14/21)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Stewartry Coastal



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Summary of Progress for Southerness and Carsethorn

There are approximately 50 residential properties at risk of flooding. The Annual Average Damages are approximately £210,000. Further information can be found in LFRMP under PVA 14/21. Page 238 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/).

Key progress in reducing the impacts of flooding since publication:

- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.
- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Southerness and Carsethorn

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Southerness and Carsethorn (14/21)							~		~	~		~	~	~	√	~	~	✓

Summary of progress of actions to manage flood risk in Southerness and Carsethorn (PVA 14/21)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
Flood Protection	Α	A study is recommended to	DGC	Shoreline Management Plan will	Updated Shoreline
Study		further develop the		not be delivered in the cycle	Management Plan to be
		understanding of coastal flooding		timeframe.	published in Summer 2023. It will
		along the Solway coastline. This			include updated policy for
		study should build on from the			management of coastal flood
		previous shoreline management			and erosion risks along DGC
		plan to investigate flooding and			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		coastal erosion, wave			coastline over a 100-year
		overtopping and the current			planning horizon.
		coastal protection offered. The			
		study may focus in detail on			
		Potentially Vulnerable Areas			
		however it could also look at the			
		risk to other areas.			
		The study will help to develop an			
		understanding of coastal issues			
		and identify where further work			
		may be required to mitigate			
		against flooding.			
Maintain Flood	G	Continue to maintain the	SEPA	SEPA has continued to operate	N/A
Warning		Southerness Point flood warning		the flood warning service.	
		area which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
					delay
		SEPA will use feedback and post-			
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Maintain Flood	G	Southerness Flood Protection	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		Scheme was completed in 1983		to be undertaken as part of the	recurring statutory process.
Scheme		and consisted of a diversion pipe		Councils duties in accordance	
		and field drainage system (pluvial		with Section 18.	
		flooding). The standard of			
		protection is not known.			
		Maintenance should be			
		continued.			
		Dumfries and Galloway Council			
		also owns erosion defenses of			
		rock armour protecting roads in			
		Carsethorn. There are also			
		privately owned coastal defenses			
		in Carsethorn and Southerness			

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		including rock armour and stone			
		walls.			
Strategic	A	SEPA will seek to develop flood	SEPA	Work completed to date	SEPA will complete a review of
Mapping and		mapping in the Gretna to		includes the production of key	coastal flood hazard mapping in
Modelling		Portpatrick area to improve		data sets including extreme	south west Scotland including in
		understanding of coastal flood		water levels and offshore wave	this area. This includes identifying
		risk. The extent and timing of		and wind conditions to support	where taking account of the
		improvements will depend on		future coastal modelling work.	impact of waves on flooding
		detailed scoping and data		Although this work has not been	from the sea may be required.
		availability. Where this work		completed to the timescale	SEPA will collect the required
		coincides with local authority		described in the plan, the work	coastal defence asset and other
		studies, SEPA will work		that will be progressed will	information necessary to
		collaboratively to ensure		deliver a more comprehensive	progress with improved flood
		consistent modelling approaches		update of the coastal flood	modelling and mapping in the
		are applied.		hazard maps across the whole	highest priority areas taking
				area.	account of wave overtopping
					where required. SEPA will look for
					opportunities to progress future
					modelling work in a way that
					best supports improvements to

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
					SEPA's Coastal Flood Warning
					Schemes. Expected to progress
					to the next stage around the
					middle of cycle 2 and complete
					early in the following cycle
					subject to funding.
Awareness	G	For details see "Progress with LPD-w	vide Actions"		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Kirkcudbright (Potentially Vulnerable Area 14/22)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Stewartry Coastal



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Reproduced from Solway Local Plan District Flood Risk Management Strategy, SEPA (December 2015).

Summary of Progress for Kirkcudbright

There are approximately 90 residential properties and 40 non-residential properties at risk of flooding. The Annual Average Damages are approximately £240,000. Further information can be found in LFRMP under PVA 14/22. Page 249 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/).

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Draft Shoreline Management Plan was put to public consultation between June and September 2022. Updated Plan to be publish in summer 2023.

Overview of actions to manage flooding in Kirkcudbright

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Kirkcudbright (14/22)							✓	✓	√	√		√		√	√	✓	√	✓

Summary of progress of actions to manage flood risk in Kirkcudbright (PVA 14/22)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Flood Protection Study	A	A study is recommended to further develop the understanding of coastal flooding along the Solway coastline. This study should build on from the previous shoreline management plan to investigate flooding and coastal erosion, wave overtopping and the current	DGC	Shoreline Management Plan will not be delivered in the cycle timeframe.	Updated Shoreline Management Plan to be published in Summer 2023. It will include updated policy for management of coastal flood and erosion risks along DGC coastline over a 100-year planning horizon.

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		coastal protection offered. The study may focus in detail on Potentially Vulnerable Areas however it could also look at the risk to other areas. The study will help to develop an understanding of coastal issues and identify where further work may be required to mitigate against flooding.			
Natural Flood Management Study	G	As part of the wider Galloway Glens Landscape Partnership Scheme, Dumfries and Galloway Council propose to investigate whether Natural Flood Management measures can be utilised on the small tributaries of the Dee to reduce flood risk to settlements in the Dee	DGC	Galloway Glens Partnership Natural Flood Management Scoping Study published December 2016. The report highlighted potential opportunities for NFM measures but these are subject to a number of complex considerations such as suitability	Recommendations of the Scoping Study have not yet been implemented due to limited budget, however progress has been made in that allocated NFM funding has been diverted into native tree planting actions in the region. The South of Scotland Tree Planting Grant Scheme was

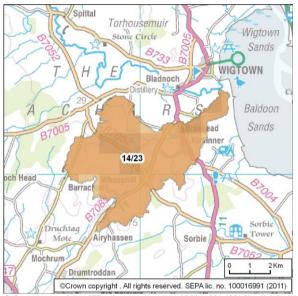
Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
		catchment and provide other ecological and habitat benefits.		in landscape terms, landowner approval and require a scale of operation not immediately possible through the Galloway Glens Landscape Partnership	launched in April 2021. In the first year (April 2021 - March 2022), 123 applications have been approved and 20,523 individual trees have been planted,
				Scheme.	covering an area of 24.81ha.
Maintain Flood Warning	G	Continue to maintain the Kirkcudbright Bay flood warning area which is part of the Solway coastal flood warning scheme. When flood events occur in an area with a flood warning service, SEPA will seek to verify and validate the warning service. SEPA will use feedback and post- event data to ensure that our flood warning service is timely and accurate.	SEPA	SEPA has continued to operate the flood warning service.	N/A

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Strategic	Α	SEPA will seek to develop flood	SEPA	Work completed to date	SEPA will complete a review of
Mapping and		mapping in the Gretna to		includes the production of key	coastal flood hazard mapping in
Modelling		Portpatrick area to improve		data sets including extreme	south west Scotland including in
		understanding of coastal flood		water levels and offshore wave	this area. This includes identifying
		risk. The extent and timing of		and wind conditions to support	where taking account of the
		improvements will depend on		future coastal modelling work.	impact of waves on flooding
		detailed scoping and data		Although this work has not been	from the sea may be required.
		availability. Where this work		completed to the timescale	SEPA will collect the required
		coincides with local authority		described in the plan, the work	coastal defence asset and other
		studies, SEPA will work		that will be progressed will	information necessary to
		collaboratively to ensure		deliver a more comprehensive	progress with improved flood
		consistent modelling approaches		update of the coastal flood	modelling and mapping in the
		are applied.		hazard maps across the whole	highest priority areas taking
				area.	account of wave overtopping
					where required. SEPA will look for
					opportunities to progress future
					modelling work in a way that
					best supports improvements to
					SEPA's Coastal Flood Warning
					Schemes. Expected to progress
					to the next stage around the

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
					middle of cycle 2 and complete
					early in the following cycle
					subject to funding.
Strategic	G	Scottish Water will carry out an	Scottish	Works complete 2017.	
Mapping and		assessment of flood risk within the	Water		
Modelling		highest risk sewer catchments to			
		improve knowledge and			
		understanding of surface water			
		flood risk			
Awareness	G	For details see "Progress with LPD-w	vide Actions''		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Braehead and Whauphill (Potentially Vulnerable Area 14/23)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Braehead and Whauphill

There are approximately less than 10 residential properties and non-residential properties at risk of flooding. The Annual Average Damages are approximately £200,000. Further information can be found in LFRMP under PVA 14/23. Page 262 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/)

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Breahead and Whauphill

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Braehead and Whauphill (14/23)									√	√		√			√	√	√	√

Summary of progress of actions to manage flood risk in Braehead and Whauphill (PVA 14/23)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Maintain Flood	G	Continue to maintain the Inner	SEPA	SEPA has continued to operate	N/A
Warning		Wigtown Bay flood warning area		the flood warning service.	
		which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		validate the warning service.			
		SEPA will use feedback and post-			
		event data to ensure that our			
		flood warning service is timely			
		and accurate.			
Awareness	G	For details see "Progress with LPD-w	vide Actions''	L	
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Isle of Whithorn and Garlieston (Potentially Vulnerable Area 14/24)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	Galloway Coastal



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Summary of Progress for Isle of Whithorn and Garlieston

There are approximately 90 residential properties and 30 non-residential properties at risk of flooding. The Annual Average Damages are approximately £470,000. Further information can be found in LFRMP under PVA 14/24. Page 270 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/).

Key progress in reducing the impacts of flooding since publication:

• The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.

Overview of actions to manage flooding in Isle of Whithorn and Carsethorn

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Isle of Whithorn and Garlieston (14/24)							~		*	√		√	√	~	~	~	*	✓

Summary of progress of actions to manage flood risk in Isle of Whithorn and Garlieston (PVA 14/24)

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Flood Protection	Α	A study is recommended to	DGC	Shoreline Management Plan will	Updated Shoreline
Study		further develop the		not be delivered in the cycle	Management Plan to be
		understanding of coastal flooding		timeframe.	published in Summer 2023. It will
		along the Solway coastline. This			include updated policy for
		study should build on from the			management of coastal flood
		previous shoreline management			and erosion risks along DGC
		plan to investigate flooding and			

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		coastal erosion, wave			coastline over a 100-year
		overtopping and the current			planning horizon.
		coastal protection offered. The			
		study may focus in detail on			
		Potentially Vulnerable Areas			
		however it could also look at the			
		risk to other areas.			
		The study will help to develop an			
		understanding of coastal issues			
		and identify where further work			
		may be required to mitigate			
		against flooding.			
Maintain Flood	G	Continue to maintain the Outer	SEPA	SEPA has continued to operate	N/A
Warning		Wigtown Bay flood warning area		the flood warning service.	
		which is part of the Solway			
		coastal flood warning scheme.			
		When flood events occur in an			
		area with a flood warning service,			
		SEPA will seek to verify and			
		validate the warning service.			

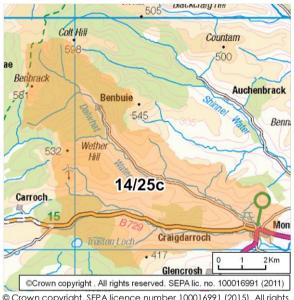
Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
			delay
SEPA will use feedback and post- event data to ensure that our flood warning service is timely and accurate.			
Scheme was completed in 1991 and consisted of channel improvements to the Ket Burn and sewer relaying. The standard of protection is not known. Maintenance should be continued. Dumfries and Galloway Council has a number of coastal defenses within this area including harbour walls and masonry/concrete walls	DGC	Ongoing assessment of scheme to be undertaken as part of the Councils duties in accordance with Section 18.	Scheme maintenance is a recurring statutory process.
	SEPA will use feedback and postevent data to ensure that our flood warning service is timely and accurate. Whithorn Flood Protection Scheme was completed in 1991 and consisted of channel improvements to the Ket Burn and sewer relaying. The standard of protection is not known. Maintenance should be continued. Dumfries and Galloway Council has a number of coastal defenses within this area including harbour	SEPA will use feedback and postevent data to ensure that our flood warning service is timely and accurate. Whithorn Flood Protection Scheme was completed in 1991 and consisted of channel improvements to the Ket Burn and sewer relaying. The standard of protection is not known. Maintenance should be continued. Dumfries and Galloway Council has a number of coastal defenses within this area including harbour walls and masonry/concrete walls at the Isle of Whithorn and	SEPA will use feedback and postevent data to ensure that our flood warning service is timely and accurate. Whithorn Flood Protection Scheme was completed in 1991 and consisted of channel improvements to the Ket Burn and sewer relaying. The standard of protection is not known. Maintenance should be continued. Dumfries and Galloway Council has a number of coastal defenses within this area including harbour walls and masonry/concrete walls at the Isle of Whithorn and

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		privately owned seawalls in Isle of			
		Whithorn and Rigg Bay			
		Willing the kigg bay			
Strategic	Α	SEPA will seek to develop flood	SEPA	Work completed to date	SEPA will complete a review of
Mapping and		mapping in the Gretna to		includes the production of key	coastal flood hazard mapping in
Modelling		Portpatrick area to improve		data sets including extreme	south west Scotland including in
		understanding of coastal flood		water levels and offshore wave	this area. This includes identifying
		risk. The extent and timing of		and wind conditions to support	where taking account of the
		improvements will depend on		future coastal modelling work.	impact of waves on flooding
		detailed scoping and data		Although this work has not been	from the sea may be required.
		availability. Where this work		completed to the timescale	SEPA will collect the required
		coincides with local authority		described in the plan, the work	coastal defence asset and other
		studies, SEPA will work		that will be progressed will	information necessary to
		collaboratively to ensure		deliver a more comprehensive	progress with improved flood
		consistent modelling approaches		update of the coastal flood	modelling and mapping in the
		are applied.		hazard maps across the whole	highest priority areas taking
				area.	account of wave overtopping
					where required. SEPA will look for
					opportunities to progress future
					modelling work in a way that
					best supports improvements to

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address
			Lodd		delay
					SEPA's Coastal Flood Warning
					Schemes. Expected to progress
					to the next stage around the
					middle of cycle 2 and complete
					early in the following cycle
					subject to funding.
Awareness	G	For details see "Progress with LPD-w	vide Actions''		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Moniaive (Potentially Vulnerable Area 14/25c)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	Dumfries and Galloway Council	



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Summary of Progress for Moniaive

There are approximately 20 residential properties at risk of flooding. The Annual Average Damages are approximately £55,000. Further information can be found in LFRMP under PVA 14/25c. Page 281 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/).

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area as detailed in Table 3.
- Moniaive Flood Study updated August 2016.
- Moniaive RiverTrack Community flood alerting system pilot project launched Moniaive in February 2018. Scheme sponsored by SEPA, and lead by Scottish Flood Forum, with support from Dumfries and Galloway Council.

Overview of actions to manage flooding in Moniaive

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
Moniavie (14/25c)							✓			√		√	√		✓	✓	✓	✓

Summary of progress of actions to manage flood risk in Moniaive (PVA 14/25c)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Flood Protection	G	A flood protection scheme has	DGC	Report finalised August 2016.	
Study		previously been built in Moniavie			
		to address flooding experienced			
		within the town. As the scheme			
		was built more than 50 years ago			
		it is recommended that a study is			
		undertaken to assess the current			
		flood risk within Moniaive and if			
		further work is required to reduce			

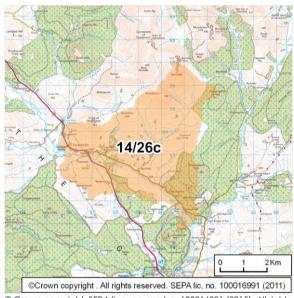
Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		the level of risk in the area now or			
		in the future, due to climate			
		change.			
Maintain Flood	G	A flood protection scheme was	DGC	Ongoing assessment of scheme	Scheme maintenance is a
Protection		built in Moniavie to address		to be undertaken as part of the	recurring statutory process.
Scheme		flooding experienced within the		Councils duties in accordance	
		town. The level of protection		with Section 18.	
		offered by the scheme is not			
		currently known. A flood			
		protection study is being carried			
		out by Dumfries and Galloway			
		Council to establish the level of			
		protection offered by the current			
		scheme and potential further			
		work to reduce flood risk.			
Awareness	G	For details see "Progress with LPD-w	vide Actions"	1	
Raising					
Emergency Plans	G				
/ Response					

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

New Cumnock (Potentially Vulnerable Area 14/26c)

Local Plan District	Local authority	Main catchment
Solway Local Plan District	East Ayrshire Council	



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Summary of Progress for New Cumnock

There are approximately 240 residential properties and 60 non-residential properties at risk of flooding. The Annual Average Damages are approximately £520,000. Further information can be found in LFRMP under PVA 14/26c. Page 292 of the SLPD Local Flood Risk Management Plan (http://www.dumgal.gov.uk/flooding/).

Key progress in reducing the impacts of flooding since publication:

- The council and other responsible authorities continue to progress relevant LPD-wide actions for this area.
- New Cumnock Flood Prevention Scheme is due to complete construction in early 2023.

Overview of actions to manage flooding in New Cumnock

PVA	Flood protection scheme / works	Natural flood management works	New flood warning	Community flood action groups	Property level protection scheme	Site protection plans	Flood protection study	Natural flood management study	Maintain flood warning*	Awareness raising	Surface water plan / study	Emergency plans / response	Maintain flood protection scheme*	Strategic mapping and modelling	Flood forecasting	Self help	Maintenance	Planning policies
New Cumnock (14/26c)	✓			✓	*				√	~		~		~	√	<	√	✓

Summary of progress of actions to manage flood risk in New Cumnock (PVA 14/26c)

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
Flood Protection	Α	It is recommended that the	EAC	Due to a number of issues out	Scheme completion date set at
Scheme / Works		council progress work on the		with EAC control, initial	February 2023, works to
		proposed flood protection		completion date November	complete outstanding items
		scheme in New Cumnock.		2022 was not met.	ongoing.
		Previous flooding and the New			
		Cumnock Flood Study have			
		shown a risk of flooding in the			
		area and identified actions that			

Action	Status	Description	Delivery Lead	FINAL REPORT	Revised dates and planned actions to complete / address delay
		would help mitigate the risk, including construction of flood defenses along the Afton Water and Connel Burn and sediment management along the Afton Water.			
Community Flood Action Group	G	The community has formed the New Cumnock Flood Working Party, to help raise awareness of flood risk in the area.	Community	General Awareness raising is a continuous activity via ARA website for all Ayrshire. Supporting flood groups in New Cumnock is a monthly activity, we produce a monthly Newsletter of progress on the scheme and also contribute flooding updates to the ARA monthly Newsletter. All of these are available to elected members and the public.	Continue as before.

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
Property Level	G	East Ayrshire Council have	EAC	All known issues addressed	Continue to offer PFR to any
Protection		implemented a property level		however ability to still request	requiring it.
Scheme		protection scheme in New		help through working party	
		Cumnock. The council have		mentioned above.	
		provided the property level			
		protection (including the			
		installation of fixed elements) and			
		have provided training on the use			
		of this equipment in conjunction			
		with the flood warning levels and			
		appropriate actions. A flood			
		warning system has been installed			
		by East Ayrshire Council to			
		support this action.			
Maintain Flood	G	East Ayrshire Council have a flood	EAC	EAC have a flood warning	Continue as before.
Warning		warning system for New		system for New Cumnock which	
		Cumnock which monitors levels		monitors levels on the River Nith,	
		on the River Nith, Afton water and		Afton water and Connel Burn.	
		Connel Burn.		Pre-determined warning levels	
				have been set for each	

Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		When flood events occur in an		location – Level 1 provides a	
		area with a flood warning service,		warning that water levels have	
		SEPA will seek to verify and		risen and Level 2 provides a	
		validate the warning service.		warning that the watercourse is	
		SEPA will use feedback and post-		due to overtop. At both levels	
		event data to ensure that the		warning text alerts are sent to	
		flood warning service is timely		recipients, Level 1 advising	
		and accurate.		them to be aware, Level 2	
				advising that action is required.	
Strategic	A	SEPA will seek to develop flood	SEPA	Action not complete.	SEPA began working on river
Mapping and		mapping in the Upper River Nith			mapping updates in this area
Modelling		area to improve understanding of			but upon review of the available
		flood risk. The extent and timing			information it is not appropriate
		of improvements will depend on			to complete the update at this
		detailed scoping and data			time. A review of how modelling
		availability. Where this work			and mapping updates are
		coincides with local authority			undertaken is being conducted
		studies, SEPA will work			to develop a more effective
		collaboratively to ensure			method of regional and national
					updates.
					-1

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Action	Status	Description	Delivery	FINAL REPORT	Revised dates and planned
			Lead		actions to complete / address
					delay
		consistent modelling approaches			
		are applied.			
Awareness	G	For details see "Progress with LPD-w	ide Actions''		
Raising					
Emergency Plans	G				
/ Response					
Flood Forecasting	G				
Self Help	G				
Maintenance	G				
Planning Policies	G				

Other actions

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

Dumfries and Galloway Council have two particular areas of road flooding that have bespoke procedures in place:

- The first being the A716 Kilstay Bay procedure. The road is subject to coastal flooding which
 inundates the road leaving a lot of gravel and rock debris behind after events. SEPA issue
 Flood Warnings for West Luce Bay which triggers a council procedural response initiating a
 road closure.
- DRAX manage the Galloway Glens hydro system and provide warnings to local landowners, the council and SEPA based on water levels in the Water of Deuch. The first stage of warning affects agricultural land and the warning provides landowners and land managers with time to move livestock. The second level of warning is issued to the council and SEPA when roads are expected to be impacted. A number of roads are impacted by flooding here and closures of the A762 at waterside point and lochside point, the A712 at Ken Bridge, B7000 High Bridge of Ken and the A713 at Parton Mill and Carsphairn.

Following three significant flood events in December 2013, January 2015 and December 2015, Dumfries and Galloway Council installed a series of temporary concrete barriers and ancillary works including earth embankment in 2016 to retain floodwater within the active floodplain thereby providing immediate protection to 31 properties - equating to over 70% of the village - within Carsphairn and reducing the threat of isolation during any future flood events.

List of Acronyms and Abbreviations

FLS Forestry and Land Scotland

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

Solway LPD Solway Local Plan District

SFF Scottish Flood Forum

DGC Dumfries and Galloway Council

D&G Dumfries and Galloway

EAC East Ayrshire Council

SAC South Ayrshire Council

SBC Scottish Borders Council

SLC South Lanarkshire Council

APPENDIX 1: FLOOD RISK MANAGEMENT RESPONSIBILITIES IN SCOTLAND AND THE LEGAL REQUIREMENT FOR THE PUBLICATION OF THIS FINAL 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 Plans 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 Solway Local Plan District

Local Flood Risk Management Plan for Solway Local Plan District

Legal requirement

This document sets out the conclusions of the review of the Local Flood Risk Management Plan (LFRMP) for the Solway Local Plan District (LPD) as required by Section 38 of the Flood Risk Management (Scotland) Act 2009 (the "Act").

38 Local flood risk management plans: FINAL REPORT

- (1) Not earlier than 5 years and not later than 6 years after a local flood risk management plan is finalised, or by such other date as the Scottish Ministers may direct, the lead authority must publish a report on the plan containing —
- (a) an assessment of the progress made towards implementing the current measures,
- (b) a summary of the current measures which were not implemented, with reasons for their non-implementation, and
- (c) a description of any other measures implemented since the plan was finalised which the lead authority considers have contributed to the achievement of the objectives summarised in the supplementary part of the plan.
- (2) The lead authority must make copies of the report available for public inspection.

The FINAL 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 FINAL REPORT will be in accordance with the agreed governance arrangements in the LPD. The responsible authorities for the Solway LPD are:

- Dumfries and Galloway Council (lead authority)
- South Ayrshire Council
- South Lanarkshire Council
- East Ayrshire Council
- Scottish Borders Council
- SEPA
- Forestry and Land Scotland
- Scottish Water.

Publication

The published FINAL REPORT for the Solway LPD LFRMP will be made available for public inspection, as per Section 37(2) of the Act, via the website of the lead authority, Dumfries and Galloway Council:

http://www.dumgal.gov.uk/flooding; search for "FINAL REPORT LFRMP".

Links to the published FINAL REPORT for the Solway LPD LFRMP will also be provided from Scottish Government, SEPA and other responsible authority websites.

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

- Stranraer Library DG Customer Services, N Strand Street, Stranraer DG9 7LD
- Dumfries and Galloway Council, Ewart Library, Catherine Street, Dumfries, DG1 1JA.

Copies of the published FINAL REPORT for the Solway LPD LFRMP may also be available at offices of other responsible authorities. It is advised that the responsible authority be contacted to make such arrangements.

Detailed arrangements for publication of the FINAL REPORT for Solway LPD LFRMP are in Appendix 2.

APPENDIX 2: PUBLICATION DETAILS (SOLWAY LPD EXAMPLE)

Flood Risk Management (Scotland) Act 2009

Publication of FINAL REPORT for the Solway Local Flood Risk Management Plan –

Summary of Proposed Communications Activities

The following communications activities will be used to publicise and make the FINAL REPORT available:

- Upon finalising the FINAL REPORT for the Solway Local FRM Plan, Sections 38(2), 53 and 54 of the Flood Act also specifically require Dumfries and Galloway Council, as the lead authority, to
 - o Publish a FINAL REPORT on the Solway Local FRM Plan;
 - Make copies of the FINAL 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 FINAL REPORT for the Solway Local FRM Plan will be published in an online format and will be made available on the Council's website at http://www.dumgal.gov.uk/flooding
- A pdf version will be sent to SEPA and the Scottish Ministers.
- Each community council that falls within a PVA will be notified by email of the publication of the FINAL REPORT and how to access it electronically.
- Announcements will be posted on social media (the Dumfries and Galloway Council Facebook and Twitter pages).