

# Flood Risk Management (Scotland) Act 2009

## Tweed Local Plan District Local Flood Risk Management Plan



Published by:

**Scottish Borders Council**

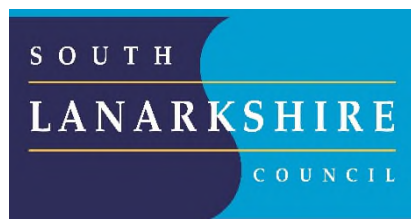


Lead Local Authority

Tweed Local Plan District

31 December 2022

In partnership with:



Delivering sustainable flood risk management is important for Scotland's continued economic success and well-being. It is essential that we avoid and reduce the risk of flooding, and prepare and protect ourselves and our communities.

This is first Local Flood Risk Management Plan for the Tweed Local Plan District, describing the actions which will make a real difference to managing the risk of flooding and recovering from any future flood events.

The task now for us – local authorities, Scottish Water, the Scottish Environment Protection Agency (SEPA), the Scottish Government and all other responsible authorities and public bodies – is to turn our Local Flood Risk Management Plan into action.

## **Foreword**

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.

Responsible authorities are taking action to manage flood risk in partnership in a more coordinated, sustainable and targeted way, to ensure the benefits of intervention will make the greatest impact. To support this new approach, Scotland has been separated into 14 Local Plan Districts. These districts are based on river catchments including cross administrative and institutional boundaries, therefore some local authorities will be covered in more than one Local Plan District. Each Local Plan District produces a Local Flood Risk Management Plan specific to their area.

The publication of this Local Flood Risk Management Plan is an important milestone in implementing the Flood Risk Management (Scotland) Act 2009 and improving how we cope with and manage floods in the Tweed local plan district. The Plan translates this legislation into actions to reduce the damage and distress caused by flooding over the first planning cycle from 2022 to 2028.

The Tweed Local Plan District is led and is published by Scottish Borders Council on behalf of a partnership comprising two local authorities: Scottish Borders Council and South Lanarkshire Council; Scottish Water; SEPA; and Forestry Commission Scotland.

In summary, there are 12 areas that have been identified as being potentially vulnerable to flood risk across the Tweed Local Plan District. These areas include 10,000 homes and businesses with estimated annual average damages from flooding of approximately £11.6M.

This Local Flood Risk Management Plan presents actions to avoid and reduce the risk of flooding, and prepare and protect ourselves, and our communities, within these potentially vulnerable areas and across the Local Plan District. These actions include 3 flood protection schemes or works; 2 flood protection studies and 3 surface water management plans. The delivery of many of these actions may be dependent on the availability of funding, however, we can all play our part in managing flood risk.

Individuals are the first line of defence against flooding and have responsibilities to protect themselves from flooding. The publication of this Local Flood Risk Management Plan shows that the coordinated and collaborative efforts of public bodies can be brought together to deliver sustainable outcomes. However, the actions in this Local Flood Risk Management Plan can only be delivered with the support of all the public bodies, The Scottish Government, and most importantly you and your communities.

This Local Flood Risk Management Plan therefore provides the blueprint upon which SEPA, local authorities, Scottish Water and any other responsible authorities will deliver their flood risk management responsibilities and, in particular, that all steps should be taken to manage flooding in a sustainable manner.

Scottish Borders Council would like to thank all those who contributed to the development of this Local Flood Risk Management Plan which will help shape the way in which floods and their impacts are managed across the Tweed Local Plan District.

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## Chapter 1: What is a local flood risk management plan?

Flood Risk Management Plans are required under the Flood Risk Management (Scotland) Act 2009 and are updated and published every 6 years.

Flood risk management plans are Scotland's route map for reducing the effects of flooding on our communities. This is key to health, well-being and economic success. They are also important in our response to the climate emergency as flooding is increasing due to climate change.

The Local flood risk management plan (the plan) for the Tweed Local Plan District (LPD) has been developed to ensure effort to reduce flood risk in this catchment area is coordinated. This is achieved through partnership working from all organisations responsible for flood risk management, the plan focuses the work of these organisations to where the risk of flooding and benefits of action are greatest. The roles and responsibilities of some of the key organisations involved are set out later in the plan.

The Plan sets out how and when the actions to reduce the impact of flooding in the Tweed Local Plan District (LPD), identified in the flood risk management plan published by SEPA in December 2022 will be delivered. SEPA's flood risk management plan for the Tweed Local Plan District is available to view on SEPA website <https://www2.sepa.org.uk/frmplans/>. This plan builds on SEPA's work and states how and when actions will be delivered. Flood risk management plan are delivered over six-year cycles. This plan is for Cycle 2 and will be delivered between 2022 and 2028.

The content of the plan has been produced by Scottish Borders Council as the Lead Local Authority for this LPD, in agreement with the designated Responsible Authorities, that are listed below:

- South Lanarkshire Council;
- Scottish Water;
- SEPA;
- Forestry Commission Scotland.

This plan replaces the Local flood risk management plan for Cycle 1, which was published in 2016.

### 1.1 Managing flooding in the Tweed LPD

Flooding needs to be managed sustainably so that flood risk is reduced without moving the problem elsewhere. It must be done in a way that contributes to the health and wellbeing of communities, supports the protection and regeneration of the environment, improves resilience to climate change and enables a sustainable economy. Actions are needed on all sources of flooding – including from rivers, the sea, surface water and groundwater – to meet the needs of present and future generations while also protecting and enhancing the environment.

Using a 6 year planning cycle enables new data, improved techniques and developing knowledge and understanding to be incorporated regularly into the flood risk management approach. Using all the latest information to regularly review our assessment of flood risk forms the foundation of a risk-based, plan-led approach to managing flooding sustainably.

## Progress in cycle 1: 2016-2022

The 2016 Local Flood risk management plan outlined the long term objectives to tackle flooding in the areas at highest risk within the Tweed LPD.

The objectives for each area were agreed and actions were developed to meet these objectives. Actions to reduce flood risk included developing flood studies and flood protection schemes and providing public flood warnings and alerts. Actions to avoid flooding included maintenance of flood defences and storage areas and producing strong planning policies, which prevent development from taking place in flood risk areas.

In 2019 Scottish Borders Council published the interim report for the Tweed LPD. This report gave the status of each action at that time and reported them as red, amber or green:

- Red: The action is running late or over budget and is unlikely to meet its aims.
- Amber: The action is running late or over budget but is still likely to meet its aims.
- Green: The action is complete or is on track to meet its aims.

Actions with a green or amber status can be expected to succeed in working towards their objectives. The final report was published December 2022. These reports are published here.

[https://www.scotborders.gov.uk/info/20013/environment/602/flood\\_protection](https://www.scotborders.gov.uk/info/20013/environment/602/flood_protection)

## 1.2 How the Local Flood Risk Management Plans were developed

### Partnership working

Many organisations and individuals are involved in flood risk management in Scotland. The causes and effects of flooding are complex, and issues cross the boundaries of neighbouring authorities as well as the responsibilities of different organisations. To be successful, flood risk management needs coordination, as set out in the Flood risk management plan. Collaboration by those responsible for flood management is essential along with a commitment to work in partnership with the other organisations and stakeholders who can contribute to the sustainable management of flooding. Partnership working is at the heart of the plan and will be central to delivery of the objectives and actions set out.

Strong relationships between these organisations was developed through the first cycle of the plan. Working with these organisations has allowed us to gather local knowledge, expertise and experience from the actions delivered in the first cycle, to inform development of the new plans. The roles and responsibilities of some of the organisations with formal flood risk management responsibilities are set out below. There are a wide range of other stakeholders involved in flood risk management. Some work directly with responsible authorities through the local partnerships and advisory groups. Others, by virtue of their interests and activities, delivering direct action which can benefit flood risk management. Through the lifetime of the plan, we will seek to strengthen existing partnerships and establish new ones to achieve the best outcomes for flood risk management.

## 1.3 Roles and responsibilities for flood risk management

Individuals have a personal responsibility to protect themselves and their property from flooding. However, public bodies have responsibilities too and are working together to reduce the impacts of flooding in Scotland.

### Your responsibilities

It is your responsibility to manage your own flood risk and protect yourself, your family, property or business. There are steps you can take now to be flood prepared and reduce the damage and disruption flooding can have on your life.

- View SEPA's flood maps to check if your area is affected by flooding  
<https://map.sepa.org.uk/floodmaps>
- Sign up to Floodline to receive messages when flooding is forecast in your area  
<https://www.floodlinescotland.org.uk/>
- Know who to contact if flooding happens  
[https://www.sepa.org.uk/media/28952/who\\_to\\_contact\\_2014.pdf](https://www.sepa.org.uk/media/28952/who_to_contact_2014.pdf)

Other useful tools and advice on how to be prepared are available on SEPA's Floodline website and on the Scottish Flood Forum website.

#### a) Local authorities and Lead Local Authorities

Local authorities are responsible for working together to produce Scotland's Local flood risk management plan and work in partnership with SEPA, Scottish Water and other responsible authorities to develop these.

It is the responsibility of local authorities to implement actions to manage flooding and maintain flood defences. Local authorities also inspect, clear and repair watercourses to reduce flood risk and routinely maintain road gullies on public roads and highways.

During severe flooding, local authorities will work with the emergency services and co-ordinate shelter for people evacuated from their homes.

#### b) SEPA

SEPA is Scotland's national flood forecasting, flood warning and strategic flood risk management authority. SEPA works in partnership with the Met Office to forecast flooding and operate Floodline to warn the public and emergency responders when flooding is likely. SEPA produces Scotland's Flood risk management plans, working closely with other organisations responsible for managing flood risk to ensure that a nationally consistent approach to flood risk management is adopted. SEPA also provides flood risk advice on land use planning when requested and raises awareness of flooding at a national level through education initiatives, community engagement and campaigns.

#### c) Scottish Water

Scottish Water is a responsible authority for flood risk management and is working closely with SEPA, local authorities and others to coordinate plans to manage flood risk. Scottish Water has the public drainage duty and is responsible for draining wastewater from properties and businesses,

and rainwater run-off from roofs and paved areas within the boundary of properties. Pipework and guttering within the boundary, are the responsibility of the property owner.

Scottish Water helps to protect homes from flooding caused by sewers either overflowing or becoming blocked. This is done in a way that is fair and consistent to customers across the country, with sewer flooding investment prioritised to provide the biggest benefit for customers and the environment first. Currently investment to reduce the risk of sewer flooding is prioritised towards properties that have experienced internal sewer flooding and are at the highest risk of repeat occurrence of sewer flooding during frequent rainfall events.

#### **d) National parks**

The National Park Authorities, Loch Lomond & Trossachs National Park and Cairngorms National Park, work with SEPA and other responsible authorities to develop the Flood risk management plans and Local flood risk management plans. They also fulfil a key role in land use planning, carrying out and permitting activities that can help manage and reduce flood risk.

#### **e) Other organisations**

The **Scottish Government** oversees the implementation of the Flood Risk Management (Scotland) Act 2009, which requires the production of Flood risk management plans and Local flood risk management plans. Scottish Ministers are responsible for setting the policy framework for how organisations collectively manage flooding in Scotland.

**Scottish Forestry** and **Forestry and Land Scotland** took over the roles of Forestry Commission Scotland in 2018 when the Forestry and Land Management (Scotland) Act 2018 came into force. While these executive agencies of Scottish Government are not formally designated as a responsible authority under the Flood Risk Management (Scotland) Act 2009, they support Scottish Government in delivering its flood risk related duties. This includes engaging in the development of the Flood risk management plans through national and local advisory groups, Local Plan District partnerships, and collaborative projects. This reflects the widely held view that forestry can play a significant role in managing flooding.

The **Met Office** provides a wide range of forecasts and weather warnings. SEPA and the Met Office work together through the [Scottish Flood Forecasting Service](#), combining SEPA's hydrological expertise with the Met Office's meteorological data to predict the likelihood and timing of river, coastal and surface water flooding.

The **emergency services** provide emergency relief when flooding occurs and can coordinate evacuations. You should call the emergency services on 999 if you are concerned about your safety or the safety of others and act immediately on any advice provided.

The **Scottish Flood Forum** aims to reduce the impacts of flooding by providing immediate support and by establishing a network of community resilience groups in flood risk areas, to equip communities to cope with flooding.



## 1.4 Consultation, engagement and advice

Further to the strong partnership approach to flood risk management planning in Scotland, it is essential to work with the people and communities that experience and live with the threat of flooding. This ensures that our assessment of the risk is accurate. How flooding is managed should support the communities at risk and effort needs to be targeted to where most can be achieved. Public consultations have been held, jointly with SEPA, during the development of the plan.

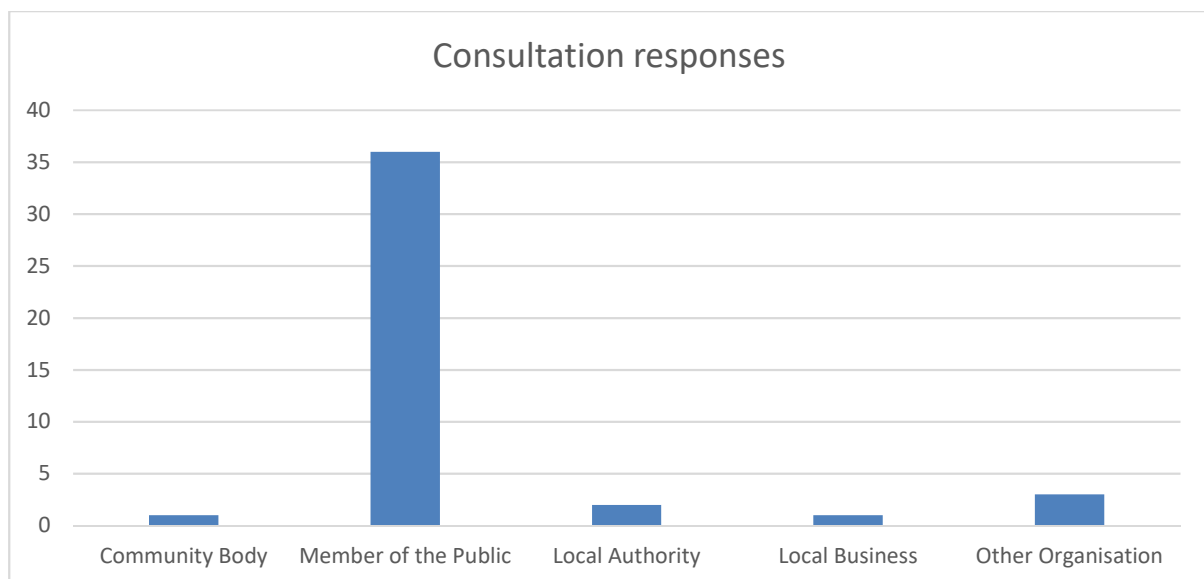
The most recent consultation ran from July 2021 to October 2021 and covered information on the objectives and actions planned for each target area within the Tweed LPD. The consultation was advertised widely by both Scottish Borders Council and SEPA. A summary of the consultation is provided below in Figure 1.

Scottish Borders Council submitted a Strategic Environmental Assessment (SEA) Screening Report to the SEA Gateway. The SEA Gateway advised that a Strategic Environmental Assessment was not required for the plan.

A Habitats Regulations Appraisal (HRA) has been undertaken for SEPA's Flood risk management plan that has informed the plan. Where the HRA identified mitigation measures to protect the nature interests, these have been incorporated into the plan, this only includes actions identified in SEPA's Flood risk management plan. Studies included in SEPA's Flood risk management plan and this plan may recommend schemes or works that will be the subject of future plans and full assessment would be undertaken as part of the development process. Where studies identify actions likely to have significant effects on qualifying interests of nature sites an appropriate assessment will be required. Where it cannot be shown that there will be no adverse effect on site integrity, proposals will be refused.

### Consultation Report

A joint consultation was undertaken for both the SEPA's and Local Flood risk management plans between 31 July and 31 October 2021. A total of 43 replies were received for the Tweed LPD area. The responses received were split across the following representatives:



**Figure 1 Consultation Responses**

There were 3 key areas highlighted in the majority of the responses received, details of which are provided below.

- Encourage Scottish Borders Council to continue with work to develop flood mitigation measures for the Slitrig Water in Hawick.
- Ensure the resilient community groups in the Tweed LPD continue to be supported.
- Encourage tree planting and better land management initiatives in the catchment.

## 1.5 Links with other plans and policies

### River basin management planning

River basin management aims to protect and improve the condition of Scotland's rivers, lochs, estuaries, coastal waters and groundwater. Taking action to reduce flood risk in Scotland provides opportunities to deliver joint objectives for restoration and flood risk management. Coordination between river basin management and flood risk management can reduce flood risk, while also improving water quality and biodiversity. SEPA is leading the delivery of both the river basin management plan and the flood risk management plans so has worked to ensure that there is integration and coordination between them. This coordination, particularly in regard to consultation and engagement, is important for stakeholders who have an interest in the objectives of both plans.

### Land use and spatial planning

Land use planning decisions are pivotal to achieving sustainable flood risk management. Flood risk management can have significant implications for the location of development and similarly the location of development can have an impact on flood risk.

Scottish Borders Council and South Lanarkshire Council develops and adopts a Local Development Plan which sets out the Council's strategy for delivering appropriate development in their areas, considering a number of potential constraints, including flooding.

### Emergency planning and response

Emergency planning and response is undertaken by Category 1 and 2 responders including Police Scotland, the Scottish Fire and Rescue Service, the Scottish Ambulance Service, both local authorities, the NHS, the Met Office and SEPA. Emergency response plans are prepared under the Civil Contingencies Act 2004. Emergency response plans ensure a coordinated and appropriate response to flood events is carried out, such as road closures, evacuations and temporary accommodation.

### Scottish Water investment plans

There is a close relationship between Local Flood risk management plans and Scottish Water's 25 year strategic plan. Sewer flooding is not considered in detail in the Flood risk management plans as this is overseen by the water industry regulator for Scotland. Sewer flooding remains a high priority for Scottish Water and its customers. Scottish Water's close involvement in flood risk management planning aims to ensure that there is strong coordination between the management of sewer flooding and wider surface water flood risk, and the actions to be taken forward by local authorities and others.

### **Duty to assess bodies of water and schedule clearance and repair works**

The duty to assess bodies of water and schedule clearance and repair works lies with Scottish Borders Council and South Lanarkshire Council.

A risk-based approach to assessing bodies of water that may give rise to flooding is carried out. Where potential flood risk has been identified the relevant water body is included in a routine inspection schedule. The frequency of inspection is dependent on the assessed risk, any works identified during these inspections are included in the Council's schedule of clearance and repair.

- Scottish Borders Council

[https://www.scotborders.gov.uk/downloads/download/878/watercourse\\_clearance\\_and\\_repair\\_works\\_201718](https://www.scotborders.gov.uk/downloads/download/878/watercourse_clearance_and_repair_works_201718)

- South Lanarkshire Council

Available upon request

## **1.6 Next steps and monitoring progress**

Scottish Borders Council and the other responsible authorities are committed to continue to work together, improving the understanding and response to flooding and managing flood risk for the good of Scotland through this and subsequent planning cycles.

Progress will be monitored throughout the years covered by this plan through ongoing joint working arrangements under the Local Plan District partnerships. Lead local authorities will provide an interim report on the progress of delivering all actions in the local flood risk management plans not earlier than 2 years and not later than 3 years from its publication. A final report will also be prepared at the end of the second planning cycle. A third set of flood risk management plans and local flood risk management plans will be published in 2027/2028.

### **Funding review for future local flood risk management actions**

The distribution of Scottish Government grant funding for actions in the plan for the period 2022 – 2028 is currently being considered by a flood risk management working group<sup>1</sup>. This group will put forward options and recommendations to Scottish Ministers and COSLA, through the Settlement and Distribution Group, for consideration. A decision will not be made in time for the publication of this plan. As such it should be noted that it may not be possible for all actions identified in the plan to be grant funded. Inclusion of an action in this plan does not formally commit a Council to implement it, if reasons arise which make any actions undeliverable, including inability to secure adequate funding.

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<sup>1</sup> Membership of the group includes representatives from Scottish Government, the Convention of Scottish Local Authorities (COSLA), local authorities, Society of Chief Officers of Transportation in Scotland (SCOTS) flood risk management group and SEPA.

This plan remains the best understanding of the objectives and actions required over the long term to manage flood risk in the identified high risk areas within this LPD. The delivery of the plan, particularly the ambitions on how quickly actions can be delivered, may have to be adapted to reflect wider developments in public funding, the ability of responsible authorities to access funding from other sources, pandemic recovery, and other national priorities.

### **Licensing acknowledgements**

Full data licensing acknowledgements can be found in Chapter 5 Annexes to this plan.

## Chapter 2: Managing Flood Risk in the Tweed Local Plan District

### 2.1 Understanding of Flooding in the Tweed Local Plan District

The Tweed Local Plan District covers around 4,300km<sup>2</sup> and has a population of approximately 120,000 people. It spans southeast Scotland covering the catchment of the River Tweed from the uplands in the west and north to the Scotland-England border in the south. It includes the urban areas of Biggar, Galashiels, Hawick, Jedburgh, Kelso, Peebles and Selkirk.

The area is largely rural with mostly grassland, coniferous woodland and heather to the north, south and west, and agricultural land to the east. There are a number of reservoirs in the area including Fruid, Talla and Megget Reservoirs and St Mary's Loch in the Southern Uplands and the Whiteadder Reservoir in the Lammermuir Hills. The River Tweed has many major tributaries including the River Teviot, Biggar Water, Ettrick Water, Gala Water, Jed Water and the Whiteadder Water.

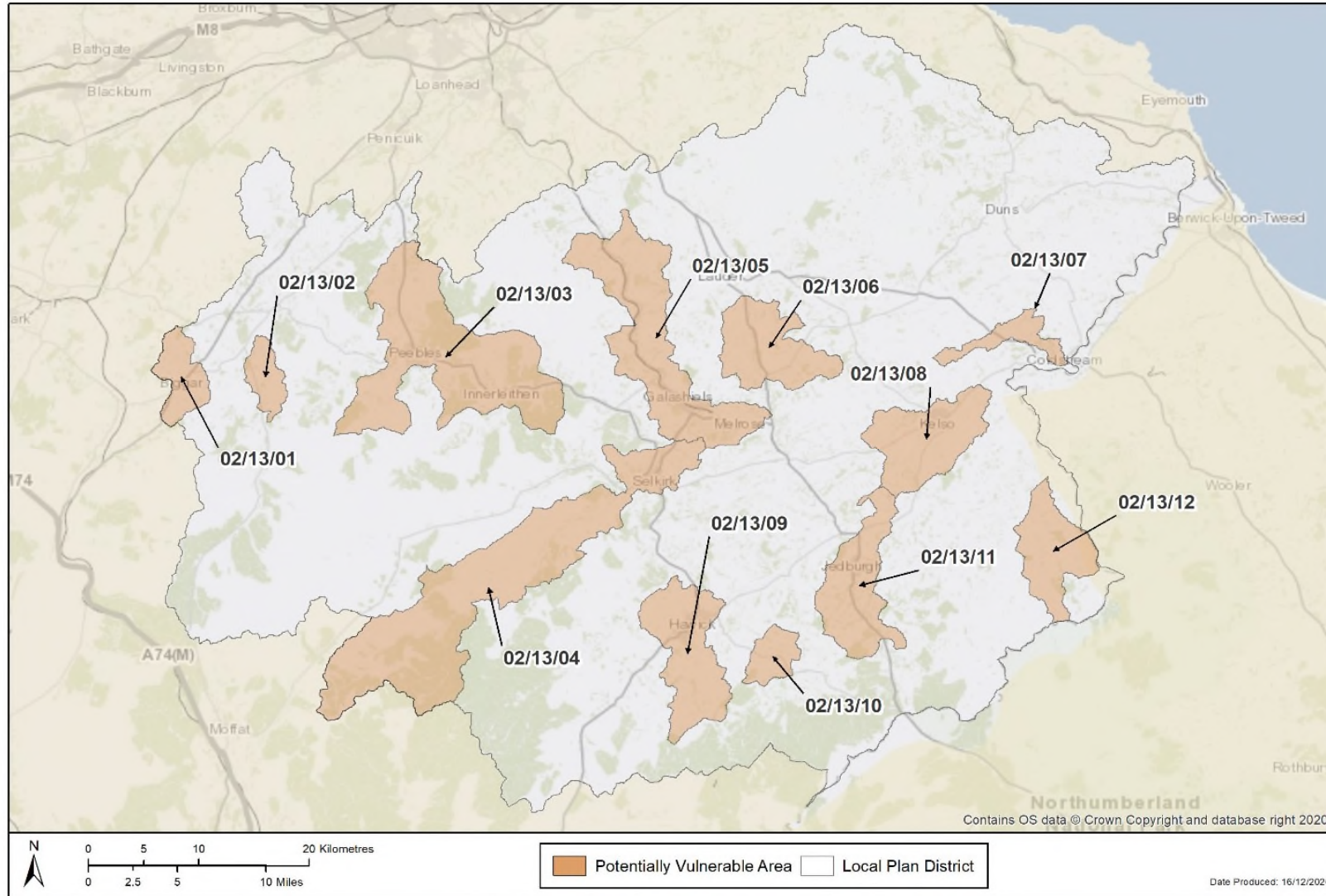
There is river and surface water flood risk, with a long history of significant river flooding. A number of flood protection schemes are in place across the area including the recently constructed Selkirk Flood Protection Scheme. A number of large floods have been recorded in the area, including Storms Desmond and Frank in December 2015 that caused considerable damage from river flooding, affecting a large number of communities. More recently, in February 2020, Storm Ciara and Storm Dennis affected large parts of the Tweed area, causing flooding to homes, business and transport.

Currently it is estimated that there are almost 14,000 people and almost 10,000 homes and businesses at risk from flooding. This may increase to 16,000 people and around 11,000 homes and businesses by the 2080s due to climate change. The expected annual cost of flooding over a long period of time is around £11.6 million.

The plan is led by Scottish Borders Council. Other responsible authorities include South Lanarkshire Council, SEPA, Forestry & Land Scotland and Scottish Water.

They are supported by Scottish Government agencies including Transport Scotland.

Within this Local Plan District, actions are regularly carried out by Responsible Authorities to help prepare communities for potential flooding and reduce the impact of any flooding that does occur.



**Figure 2 Potentially Vulnerable Areas in the Tweed Local Plan District**  
 (Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))

## 2.2 Actions across the Local Plan District

Responsible authorities carry out actions in all areas of the LPD which help to manage current and future flooding. These actions help to ensure that key aspects of flood risk management are taken forward in all locations. They ensure that for example new housing developments occur in the right places, and that critical flood risk information is developed and updated for all areas. The following actions are due to take place over the next 6 years, and most of these are carried out on an ongoing basis.

<b>Action:</b>	<b>Awareness raising</b>		
<b>Delivery Lead:</b>	Responsible Authorities	<b>Indicative Delivery:</b>	2022 - 2028
<b>Description:</b>	<p>SEPA, the responsible authorities and other organisations such as the Scottish Flood Forum work together through national and local initiatives to help communities understand the risk of flooding and what actions individuals can take. Improved awareness of flood risk and actions that prepare individuals, homes and businesses for flooding can reduce the overall impact of flooding.</p> <p>Local authorities undertake additional awareness raising activities when developing any specific project proposals and will engage with community resilience groups and local communities.</p> <p>Scottish Flood Forum support flood risk communities by raising community awareness, promoting self-help, developing community groups and establish a recovery support programme after a flood.</p>		
<b>Funding:</b>	<p>Scottish Borders Council and South Lanarkshire will utilise revenue and/or project specific capital budgets as appropriate.</p> <p>SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.</p>		
<b>Coordination:</b>	<p>Responsible authorities will continue to work together to raise awareness. This will include but not limited to utilising resilient communities' groups, local flood action groups and wider community groups to raise awareness. Engagement with communities relating to other actions will also help develop awareness within the LPD.</p>		

<b>Action:</b>	<b>Data to support climate resilience</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	<p>As Scotland's hydrometric authority, SEPA operates a network of stations to measure river level, flow, rainfall, sea level, loch and groundwater level. The data goes into a long term data archive and is critical to underpin all flood risk management activities including flood warning, flood mapping, design of flood protection and sustainable development as well as supporting a range of regulatory and recreational uses.</p> <p>SEPA will continue to maintain and develop its hydrometric network, contribute to UK and international data archives, and improve and update the datasets used for flood frequency analysis.</p>		

	SEPA will support research and development of data, methods and guidance to improve the evidence on which decisions can be made, and to enable the impact of climate change to be included in all flood risk management activities.
<b>Funding:</b>	SEPA's role in this action is funded by the Scottish Government through SEPA's grant in aid settlement.
<b>Coordination:</b>	SEPA will coordinate with a range of other parties as required to deliver better and more accessible data, and ongoing improvements to the use of the data to underpin flood risk management activities and decisions.

<b>Action:</b>	<b>Emergency plans</b>		
<b>Delivery Lead:</b>	Category 1 and 2 responders	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	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 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.		
<b>Funding:</b>	This action is funded through multiple funding arrangements from a number of agencies.		
<b>Coordination:</b>	Scottish Borders Council, South Lanarkshire Council, the Emergency Services and SEPA initiate the relevant Emergency Plan as appropriate in relation to Met office weather warnings and SEPA flood warning information. This includes a coordinated approach with representation from all Category 1 and Category 2 responders including Scottish Water, voluntary groups and public utility companies through the relevant Joint Agency Control Centre.		

<b>Action:</b>	<b>Flood forecasting</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The Scottish Flood Forecasting Service is a partnership between SEPA and the Met Office. The service continues to produce a daily, national flood guidance statement, issued to emergency responders, local authorities, and other organisations with flood risk management duties. In 2022 a new 3-day daily Scottish Flood Forecast was launched for the public.  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.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA work in partnership with the Met Office and will work closely with all other authorities involved in emergency response to flooding.		



<b>Action:</b>	<b>Flood warning development framework</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	<p>SEPA published a new flood warning development framework in 2022, which details the ambition and strategic actions to maintain and improve the flood warning service across Scotland.</p> <p>SEPA will further develop phase 1 of the Scottish Flood Forecast based on feedback gathered during public beta release before fully launching the service to the public formally in early 2023. Phase 1 is the national 3-day flood forecast and the starting point of our journey in providing the public with earlier and improved flood information.</p> <p>SEPA will continue to follow the service design approach for phase 2 of the Scottish Flood Forecast, which will provide the public with more localised flood forecast information. User research will determine what information will be displayed on the regional flood forecast webpages. It is anticipated that the final service will bring together all live information such as flood warnings, river levels and rainfall data into a central hub that is easily accessible for the public.</p> <p>Working in close partnership with the Met Office through the Scottish Flood Forecasting Service, SEPA will develop its capability in surface water flooding forecasting, focusing initially on the transport sector to support climate-ready infrastructure. SEPA will also undertake a prioritised improvement programme of existing river and coastal flood warning schemes to provide more accurate forecasting with improved lead time.</p>		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA work in partnership with the Met Office. Appropriate engagement with the other authorities involved in emergency response will happen as the flood warning developments are progressed.		

<b>Action:</b>	<b>Guidance development</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2023 - 2028
<b>Description:</b>	<p>The Scottish Government and SEPA will develop and update guidance to inform flood risk management projects. This guidance will be produced in 2022 and will look at how best to adapt to the long-term impacts of climate change and the most appropriate methods of assessing the benefits of flood risk management actions.</p> <p>Technical guidance to support flood risk management partners will be reviewed and updated by SEPA where required.</p> <p>Scottish Forestry, in collaboration with its UK counterparts, will produce guidance on designing and managing forests to reduce flood risk.</p> <p>Guidance will be developed to help local authorities understand the requirements for mapping relevant bodies of water and sustainable urban drainage systems in their areas.</p>		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	The Scottish Government, SEPA and Scottish Forestry all have lead roles in delivering the new or updated guidance outlined. A range of forums will be used to help coordinate and develop the guidance with the appropriate input		

	from others, including SAIFF (The Scottish Advisory Implementation Forum for Flooding) and cross-party working groups.
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<b>Action:</b>	<b>Hazard mapping updates</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	<p>An understanding of flooding is essential to develop a plan led risk-based approach to flood risk management. SEPA will continue to update their national hazard mapping, which shows the likelihood of flooding in Scotland from different flooding sources:</p> <p><a href="https://www.sepa.org.uk/environment/water/flooding/flood-maps/">https://www.sepa.org.uk/environment/water/flooding/flood-maps/</a>.</p> <p>SEPA will continue to develop the hazard mapping viewer to make it easier for the public, partners and stakeholders to access data on the likelihood of flooding. SEPA will also review how modelling and mapping updates are undertaken to develop a more effective method of regional and national updates for the hazard maps.</p>		
<b>Funding:</b>	<p>SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.</p> <p>Scottish Borders Council and South Lanarkshire will utilise revenue and/or project specific capital budgets as appropriate.</p>		
<b>Coordination:</b>	<p>SEPA will work with other relevant parties - including authorities who have ownership of data used in flood mapping - to develop the quality and accessibility of flood hazard mapping.</p> <p>Scottish Borders Council and South Lanarkshire Council will provide flood data gathered and developed to SEPA to assist with any Hazard mapping updates.</p>		

<b>Action:</b>	<b>Land use planning</b>		
<b>Delivery Lead:</b>	Responsible Authorities	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	<p>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 land use planning process. National planning policies set out the Scottish Ministers' priorities for the development and use of land. Under this approach, new development in areas with medium to high likelihood of flooding should generally be avoided. Current national planning policies aim to restrict development within the floodplain and limit exposure of new receptors to flood risk, promote flood reduction via natural and structural flood management measures and restoration of natural features, and avoid increased surface water flooding through sustainable drainage and the minimisation of impermeable surfaces. Locally determined planning policies may place further requirements within their area of operation to restrict inappropriate development and prevent unacceptable risk.</p>		
<b>Funding:</b>	<p>Scottish Borders Council and South Lanarkshire Council will continue to fund this action through their revenue budgets.</p> <p>SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.</p>		

<b>Coordination:</b>	<p>Scottish Borders Council and South Lanarkshire Council will work with their planners to ensure that appropriate policies and measures are put in place to manage flood risk. This includes adhering to National, Regional and Local Planning Policies, providing advice and information into the formal planning process and ensuring sites going forward in the Local Development Plan have had an initial assessment regarding flood risk.</p> <p>SEPA delivery statutory advice on flooding on both planning applications and Local Development Plans and will continue to work with the other responsible authorities to support the land use planning process.</p>
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<b>Action:</b>	<b>Maintenance</b>		
<b>Delivery Lead:</b>	Scottish Borders Council & South Lanarkshire Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	<p>Local authorities have a duty to assess bodies of water and to carry out clearance and repair works where such works would substantially reduce flood risk. Local authorities are also responsible for the drainage of roads. In addition, local authorities may also be responsible for maintenance of any existing flood protection schemes or works.</p> <p>Scottish Water will continue to undertake risk-based inspection, maintenance and repair on the public sewer network.</p> <p>Asset owners and riparian landowners are responsible for the maintenance and management of their own assets including those which help to reduce flood risk.</p>		
<b>Funding:</b>	Scottish Borders Council and South Lanarkshires Councils funding for maintenance will be subject to budget allocations over the six years of the plan, 2022-2028.		
<b>Coordination:</b>	<p>Scottish Borders Council and South Lanarkshire Council have a duty to assess bodies of water and conduct clearance and repair works which would substantially reduce flood risk. Where necessary both Local Authorities will coordinate with landowners and other responsible authorities where a risk is identified and carry out works should it be deemed necessary.</p> <p>Scottish Borders Council and South Lanarkshire Council will prepare a schedule of clearance and repair in accordance with the duties placed on Local Authorities as detailed in the Flood Risk Management (Scotland) Act 2009.</p>		

<b>Action:</b>	<b>Natural flood management mapping</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2025
<b>Description:</b>	<p>SEPA will continue to support activities that improve our understanding of how to effectively target and deliver natural flood management. As part of this, SEPA will review and update the opportunities mapping for natural flood management. This will include linking blue-green infrastructure with the surrounding natural catchment and coastline. Natural flood management seeks to store or slow down flood waters through measures such as the planting of woodlands, wetland creation, river restoration, or the creation of intertidal habitats. In addition to flooding benefits, natural flood</p>		

	management measures can also provide many additional benefits to biodiversity, water quality, recreation, and carbon storage.
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.
<b>Coordination:</b>	SEPA will work with key stakeholders to review and update the opportunities mapping.

<b>Action:</b>	<b>National flood risk assessment</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	December 2024
<b>Description:</b>	SEPA will use the most suitable data to review and update the national flood risk assessment (NFRA) undertaken in 2018. This update will be used to identify future potentially vulnerable areas and focus flood risk management planning.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with others as the NFRA is updated, including to keep other responsible authorities informed through the Local Plan District Partnerships.		

<b>Action:</b>	<b>National surface water mapping</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2024
<b>Description:</b>	The national flood risk assessment 2018 identified that surface water flooding has the potential to impact more properties in Scotland than any other source of flooding. Over the next 6 year cycle SEPA will look to vastly improve its national understanding of surface flood risk by undertaking a wholesale update of the national surface water maps to reflect developments in data and understanding, including the impact of climate change.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA is currently working with a contractor to develop the modelling needed to deliver the flood maps. As the mapping is developed, local authorities and Scottish Water will continue to be engaged in opportunities to verify, shape and understand the new mapping products.		

<b>Action:</b>	<b>Reservoirs</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 – 2028 Flood Warning Development 2022 - 2024
<b>Description:</b>	SEPA will continue to develop its assessment of flood risk from dam failure and use these assessments to direct a proportionate regulatory approach to ensure reservoir safety. Over the next management cycle we will implement further developments of our flood warning capabilities in the unlikely event of reservoir failure.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		

<b>Coordination:</b>	SEPA will work with others as required, to deliver the regulatory duties and to develop flood warning capabilities. Others will include reservoir managers and operators, and Civil Contingencies Act responders who share duties for emergency response.
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<b>Action:</b>	<b>Scottish Flood Defence Asset Database</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 – 2028
<b>Description:</b>	The Scottish Flood Defence Asset Database provides information on existing flood protection schemes. National data on flood protection infrastructure is needed to understand flood risk and to develop adaptation planning for Scotland. SEPA will continue to host SFDAD and look for opportunities to support the development of our understanding of how and when Scotland's flood defence assets should be adapted to continue to maintain protection from flooding in the future.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with the local authorities to ensure accurate data on existing and new schemes is made available for the Scottish Flood Defence Asset Database.		

<b>Action:</b>	<b>Self help</b>		
<b>Delivery Lead:</b>	-	<b>Indicative Delivery</b>	2022 – 2028
<b>Description:</b>	<p>Everyone is responsible for protecting themselves and their property from flooding. People can take steps to reduce damage and disruption to their homes and businesses should flooding happen. This includes preparing a flood plan and flood kit, installing property flood resilience measures, signing up to Floodline, engaging with their local flood group, and ensuring that properties and businesses are insured against flood damage. The following places offer help with taking steps to protect yourself:</p> <p><a href="https://www.floodre.co.uk/">https://www.floodre.co.uk/</a></p> <p><a href="https://www.biba.org.uk/current-issues/flood-insurance/">https://www.biba.org.uk/current-issues/flood-insurance/</a></p> <p><a href="https://floodlinescotland.org.uk/">https://floodlinescotland.org.uk/</a></p> <p><a href="https://scottishfloodforum.org/">https://scottishfloodforum.org/</a></p> <p>Responsible authorities and SEPA will continue to develop the understanding of flood risk to communities and promote measures to help individuals and businesses to reduce their risk.</p>		
<b>Funding:</b>	<p>Scottish Borders Council and South Lanarkshire Councils revenue and capital budgets</p> <p>SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.</p>		
<b>Coordination:</b>	Responsible authorities will continue to support residents, businesses and local resilient communities groups as required. This will be done by developing and reviewing emergency plans and facilitating resilient communities plans. Scottish Borders Council will continue to provide its subsidised flood products scheme.		

<b>Action:</b>	<b>Future flood risk management planning</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2022 – 2028 Flood services strategy 2023 Next flood risk management plans 2027
<b>Description:</b>	<p>The years covered by the lifetime of this plan are crucial. Radical progress is needed in how we reduce our impact on the climate and respond to the effects of climate change. How we plan to manage flooding to our communities is on the front line of the challenges of this decade. The 2027 flood risk management plans will be more ambitious than ever before. The plans will look to develop long term plans for more flood resilient communities prepared for the impacts of climate change.</p> <p>The priority areas which will be the focus points of the next flood risk management plans will be identified in 2024 with the designation of PVAs. A 3-month public consultation will be held to inform the PVA designation.</p> <p>We will plan for a better future by publishing our flooding services strategy in 2023 with a clear and measurable delivery plan. We will put greener, fairer communities at the heart of our ambitions.</p> <p>SEPA has set its own target to be a regenerative organisation by 2030 and the next set of plans will further this ambition.</p> <p>During this plan cycle, SEPA will work to develop new partnerships with a wider range of stakeholders, including businesses and commercial sectors. We will investigate alternative sources of finance to tackle flooding and drive forward practical options for adaptation.</p>		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will lead the work, in partnership with the Scottish Government and other responsible authorities. A wider range of partners and stakeholders will be developed to support the action. SEPA will carry out a full consultation on the next draft flood risk management plans in 2026.		

## Chapter 3: Potentially Vulnerable Areas & Target Areas

Potentially Vulnerable Areas (PVAs) were designated in 2018 based on the potential current or future risk from all sources of flooding. This designation was informed by the national flood risk assessment (available to view at: <https://www.sepa.org.uk/data-visualisation/nfra2018/>).

As part of continued analysis of flood risk, the national flood risk assessment and Potentially Vulnerable Areas (PVAs) will be reviewed every 6 years to take on board any new information. There are 12 Potentially Vulnerable Areas (PVAs) in this Local Plan District. (See *Figure 2 above*)

Each PVA includes one or more target areas where specific objectives and actions are highlighted to manage flooding in that target area.

## Biggar (Potentially Vulnerable Area (02/13/01))

Local Plan District	Local authority	Main catchment
Tweed	South Lanarkshire	River Tweed

### Background

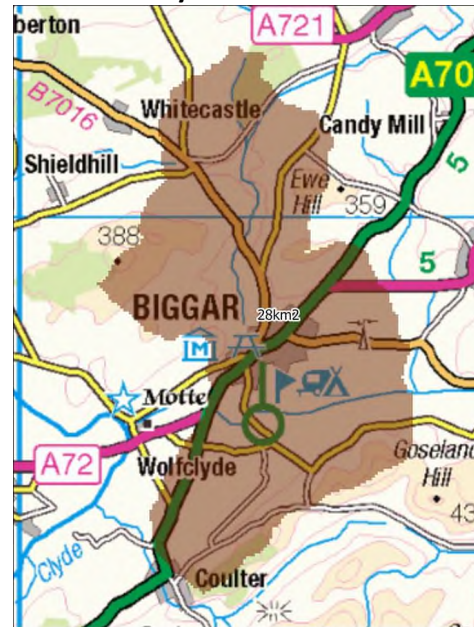
This Potentially Vulnerable Area is 28km<sup>2</sup> and situated in the upper reaches of the River Tweed catchment. It includes Biggar and the main watercourses are the Davie's Burn, Biggar Burn and Biggar Water.

There is one target area in this PVA

- Biggar (Target Area 281).

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### PVA Boundary



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### Biggar (Target area 281)

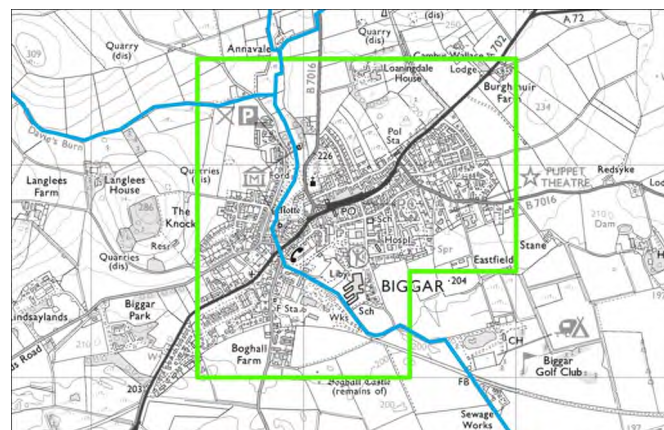
The main source of flooding is the Biggar Burn and there is also risk of flooding from surface water. There are limited records of flooding in this target area.

In this target area there are approximately 120 people and 80 homes and businesses at risk of flooding.

#### Objectives to manage flooding in Biggar

- Avoid flood risk (2811) – Avoid inappropriate development that increases flood risk in Biggar.
- Prepare for flooding (2812) – Prepare for current flood risk and future flooding as a result of climate change in Biggar.

### Target Area 281



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<ul style="list-style-type: none"> <li>• Reduce flood risk (2813) – Reduce the risk of flooding in Biggar.</li> </ul> <p><a href="#">(Refer to the Tweed Flood Risk Management Plan (SEPA 2021) for more information)</a></p>	
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### Actions to manage flooding in Target Area 281

<b>Action (ID):</b>	<b>Flood Study (options appraisal) (28101)</b>		
<b>Delivery Lead:</b>	South Lanarkshire Council	<b>Indicative Delivery:</b>	2025 - 2027
<b>Description:</b>	The flood study which is currently underway in Biggar should be completed as planned. Following the completion of the flood modelling, if risk is confirmed, the feasibility of a range of flood risk management options should be considered.		
<b>Funding:</b>	SLC revenue funding		
<b>Coordination:</b>	Action delivery lead is South Lanarkshire Council and coordination will be determined once the actions have been finalised. SEPA will work with the local authority on the potential to coordinate this action with the Bigger Water WEF project.		

<b>Action (ID):</b>	<b>Strategic mapping improvements (28102)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery:</b>	2025 - 2028
<b>Description:</b>	SEPA will seek opportunities to align flood risk management and river restoration priorities at this location. SEPA will await the conclusion of the flood studies and review their suitability to inform updates to existing flood mapping before progressing further with this action.		
<b>Funding:</b>	SEPA's role in this action is funded by the Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with the local authority on the potential to coordinate any flood map update with other actions being carried out to understand or reduce flooding.		

## Broughton (Potentially Vulnerable Area (02/13/02))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 18km<sup>2</sup> and part of the River Tweed catchment. This is a small, rural area in the north west of the catchment and contains the village of Broughton.

The main source of flooding is the Broughton Burn and the Biggar Water and there is also risk of flooding from surface water. Several floods have occurred in this area, including recent flooding caused by surface water, flooding roads and homes.

There is one target area in this PVA,

- Broughton (Target Area 271).

### PVA Boundary



(Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))

### Broughton (Target area 271)

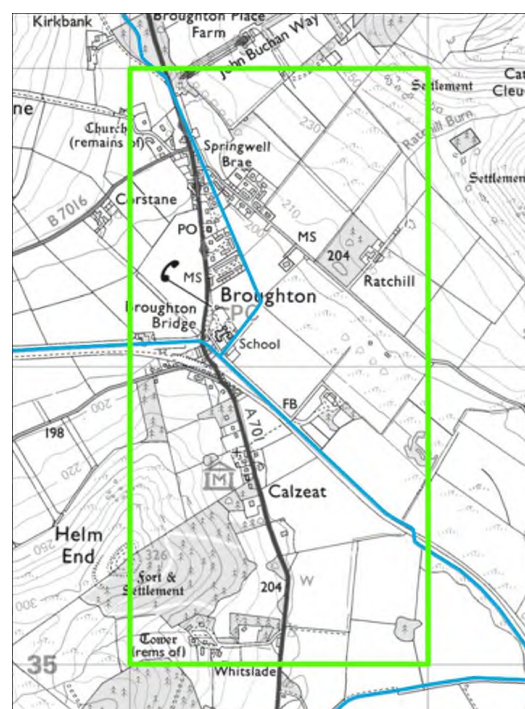
The main source of flooding is river flooding, however there is also some risk from surface water. There are approximately 70 people and 45 homes and businesses at risk of flooding. This is likely to increase to 80 people and 50 homes and businesses by the 2080's due to climate change.

#### Objectives to manage flooding in Broughton

- Avoid flood risk (2711) – Avoid inappropriate development that increases flood risk in Broughton.
- Prepare for flooding (2712) – Prepare for current flood risk and future flooding as a result of climate change in Broughton.
- Reduce flood risk (2713) – Reduce the risk of surface water flooding and river flooding from the Broughton Burn and Biggar Water in Broughton.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### Target Area 271



## Actions to manage flooding in Target Area 271

<b>Action (ID):</b>	<b>Surface Water Management Plan (27101)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2025 - 2027
<b>Description:</b>	Scottish Borders Council should develop a surface water management plan for Broughton. Current and long term flood risk should be considered. The impacts of climate change should also be considered as part of the plan.		
<b>Funding:</b>	Funding for a Surface water management plan will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action with Scottish Water and other stakeholders as appropriate.		

<b>Action (ID):</b>	<b>Community Engagement (27102)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Awareness raising and community engagement should be carried out based on the outcomes of the surface water management plan.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liase with the responsible authorities, community groups and other organistations to coordinate the delivery of this action and other associated actions.		

## Peebles, Innerleithen & Manor Valley (Potentially Vulnerable Area (02/13/03))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 170km<sup>2</sup> with the main town of Peebles located in the centre of the PVA.

The main sources of flooding are the River Tweed, Eddleston Water, Leithen Water and other minor watercourses. There is also risk of flooding from surface water in Peebles. There is a long history of significant flooding to communities in this area and frequent smaller floods causing disruption. Major river flooding recently occurred throughout the area as a result of Storms Desmond and Storm Frank.

There are five target areas in this PVA-

- Eddleston (Target Area 275)
- Innerleithen (Target Area 291)
- Peebles (Target Area 306)
- Walkerburn (Target Area 321)
- Manor Valley (Target Area 327)

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### PVA Boundary



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## Eddleston (Target area 275)

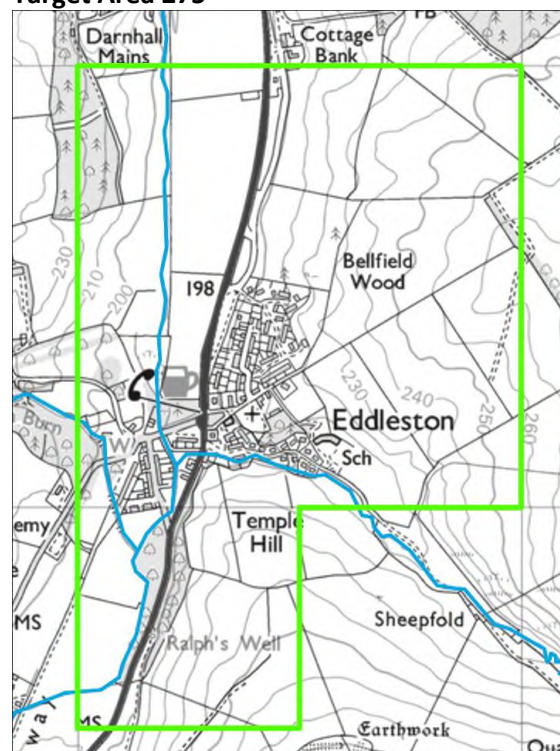
The main source of flooding in this target area is river flooding with approximately 90 people and 50 homes and businesses currently at risk. This is likely to increase to 100 people and 60 homes and businesses by the 2080s due to climate change.

### Objectives to manage flooding in Eddleston

- Avoid flood risk (2751) – Avoid inappropriate development that increases flood risk in Eddleston.
- Prepare for flooding (2752) – Prepare for current flood risk and future flooding as a result of climate change in Eddleston.
- Reduce flood risk (2753) – Reduce the risk of surface water flooding and river flooding from the Eddleston Water in Eddleston.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### Target Area 275



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## Actions to manage flooding Target Areas 275

<b>Action (ID):</b>	<b>Flood warning maintenance (27501)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Eddleston Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood study. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Community Engagement (27502)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered should be used to inform any future flood studies.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		

**Coordination:**

Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.

**Innerleithen (Target area 291)**

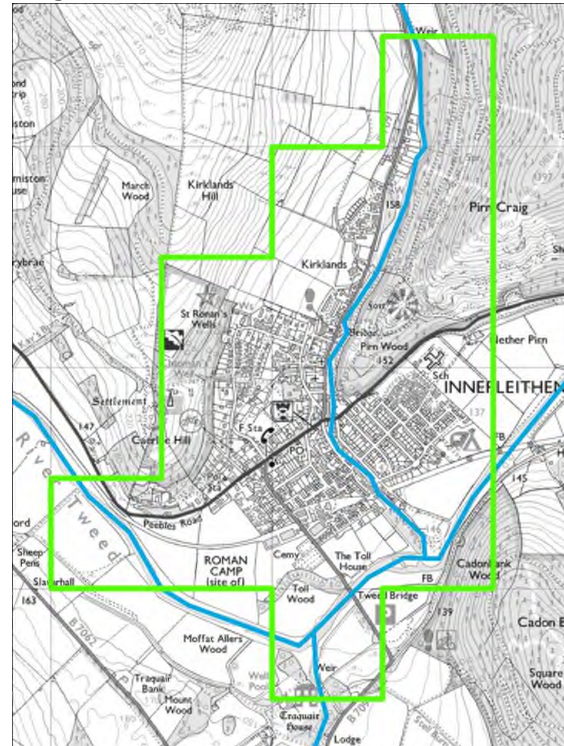
The main source of flooding is river flooding with approximately 50 homes and businesses at risk of flooding from the Leithen Water and 30 homes and businesses at risk from Chapman's Burn. This is estimated to increase to around 190 homes and businesses at risk from Leithen Water and 40 homes and businesses at risk from Chapman's Burn.

**Objectives to manage flooding in Eddleston**

- Avoid flood risk (2911) – Avoid inappropriate development that increases flood risk in Innerleithen.
- Avoid flood risk (2912) – Avoid an increase in flood risk by the appropriate management and maintenance of Innerleithen Hall Street Flood Protection Scheme.
- Prepare for flooding (2913) – Prepare for current flood risk and future flooding as a result of climate change in Innerleithen.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

**Target Area 291**



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**Actions to manage flooding Target Areas 291**

<b>Action (ID):</b>	<b>Flood warning maintenance (29101)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood study. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (29102)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Leithen Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood study. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Community engagement (29103)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Findings from the recent flood study should be used to inform any engagement activities.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (29104)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to support the Innerleithen Community Resilience Group.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Innerleithen Community Resilience Group and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood defence maintenance (29105)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to maintain the existing Innerleithen Hall Street Flood Protection Scheme (Chapman's Burn). This includes continuous inspections of the scheme on a yearly basis and undertaking maintenance as required to ensure the scheme operates at peak efficiency.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

### Peebles (Target area 306)

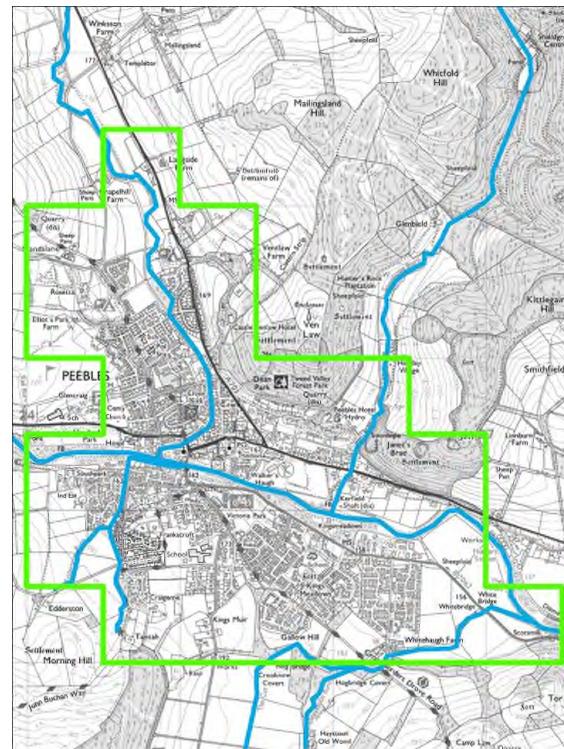
The main source of flooding in Peebles is river flooding but there is also a risk from surface water with approximately 740 people and 460 homes and businesses at risk from flooding. This is estimated to increase to 970 people and 600 homes and businesses by the 2080s due to climate change. There are also utilities, community facilities and road infrastructure at risk from flooding.

#### Objectives to manage flooding in Peebles

- Avoid flood risk (3061) – Avoid inappropriate development that increases flood risk in Peebles.
- Avoid flood risk (3062) – Avoid an increase in flood risk by the appropriate management and maintenance of Peebles South Park Flood Protection Scheme.
- Prepare for flooding (3063) – Prepare for current flood risk and future flooding as a result of climate change in Peebles.
- Reduce flood risk (3064) – Reduce the risk of surface water flooding in Peebles
- Reduce flood risk (3065) – Reduce the risk of river flooding from the River Tweed, Eddleston Water, Haystoun Burn and Edderston Burn in Peebles.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 306



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### Actions to manage flooding Target Areas 306

Action (ID):	Flood scheme or works design (30601)		
Delivery Lead:	Scottish Borders Council	Indicative Delivery	2022 - 2028
Description:	<p>A flood protection scheme has been proposed for Peebles. The preferred scheme for Peebles covers four of the five main rivers in the town and should be phased as appropriate. The scheme should be taken forward into outline design and detailed design. There should be consideration of the current and long term flood risk and how the flood protection scheme and area will adapt to changes in flood risk through development of an adaptation plan.</p> <p>In accordance with the Flood risk management plan, as part of the scheme or works, the responsible authority should aim to ensure the action will not have</p>		



	an adverse effect on the integrity of the River Tweed Special Area of Conservation.
<b>Funding:</b>	Funding for the Flood Protection Scheme will be subject to budget allocations over the six years of the plan, 2022 - 2028.
<b>Coordination:</b>	<p>Scottish Borders Council will develop Phase 1 (Tweed &amp; Eddleston Water) of the proposed flood protection scheme taking the preferred scheme option through outline design and detailed design. The Council will engage with the community and local &amp; national stakeholders as appropriate.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.</p>

<b>Action (ID):</b>	<b>Flood scheme or works implementation (30602)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should progress the formal process of promoting a flood protection scheme for Peebles. Procurement of a contractor for the construction phase should begin once formal approval to progress with a scheme has been given and detailed design is complete. Upon completion of the scheme Scottish Borders Council should submit all as built and scheme information to SEPA for registration on the Scottish Flood Defence Asset Database.		
<b>Funding:</b>	Funding for the Flood Protection Scheme will be subject to budget allocations over the six years of the plan, 2022 - 2028.		
<b>Coordination:</b>	<p>Scottish Borders Council will coordinate this action in line with Action 30601 and deliver the proposed flood protection scheme in a phased approach.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with an update to SFDAD and flood warning actions.</p>		

<b>Action (ID):</b>	<b>Community engagement (30603)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Findings from the recent flood study should be used to inform any engagement activities, including the development of a flood protection scheme for Peebles.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (30604)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The existing Peebles (Tweed Green) Resilient Communities Group and wider Peebles Resilient Communities Group should continue in the area and continue to be supported by Scottish Borders Council.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		

<b>Coordination:</b>	Resilience groups in Peebles and Scottish Borders Council will continue to work together to deliver resilience and community plans.
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<b>Action (ID):</b>	<b>Flood defence maintenance (30605)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to maintain the existing Edderston Burn Flood Protection Scheme. This includes continuous inspections of the scheme on a yearly basis and undertaking maintenance as required to ensure the scheme operates at peak efficiency. Any adaptation plan that is developed for Peebles should include the future resilience of this scheme due to the impacts of climate change.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (30602)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Eddleston Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood scheme development. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (30603)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the development of Peebles flood protection scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

### Walkerburn (Target area 321)

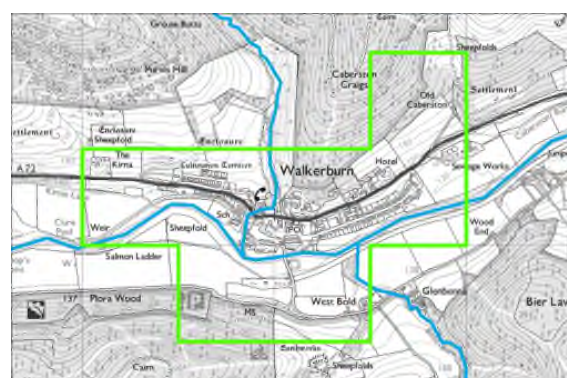
The main source of flooding in Walkerburn is river flooding. There are approximately 80 people and 70 homes and businesses currently at risk from flooding.

#### Objectives to manage flooding in Walkerburn

- Avoid flood risk (3211) – Avoid inappropriate development that increases flood risk in Walkerburn.
- Prepare for flooding (3212) – Prepare for current flood risk and future flooding as a result of climate change in Walkerburn.
- Reduce flood risk (3213) – Reduce the risk of river flooding from the River Tweed and the Walkerburn in Walkerburn.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 321



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### Actions to manage flooding Target Areas 321

<b>Action (ID):</b>	<b>Flood warning maintenance (32101)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will maintain the Tweed flood warning scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Community engagement (32102)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Any future flood studies should be used to inform any engagement activities with the community.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (32103)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to support the Walkerburn and District Resilient Communities Group.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Walkerburn Resilience Group and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

### Manor Valley (Target area 327)

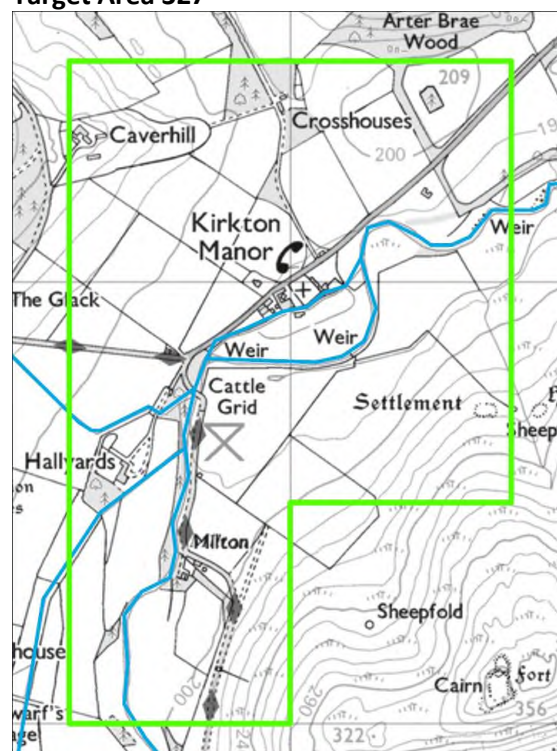
The main source of flooding in the Manor Valley is river flooding from the Manor Water. There are a limited number of homes and businesses directly at risk of flooding, but there is a history of flooding to the area as a whole. The access road along the valley floods at several locations and cuts off communities located in the valley. The flooding of roads is deep and makes the roads impassable.

#### Objectives to manage flooding in Manor Valley

- Avoid flood risk (3271) – Avoid inappropriate development that increases flood risk in the Manor Valley.
- Prepare for flooding (3272) – Prepare for current flood risk and future flooding as a result of climate change in the Manor Valley.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 327



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### Actions to manage flooding Target Areas 327

<b>Action (ID):</b>	<b>Emergency Plan (32701)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should review and update as appropriate the Severe Weather Emergency Plan as information becomes available. The local resilient communities road closure plan for the Manor Valley should also be reviewed and updated as part of this process.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council, the Emergency Services and SEPA initiate the relevant Emergency Plan as appropriate in relation to Met office weather warnings and SEPA flood warning information. This includes a coordinated approach with representation from all Category 1 and Category 2 responders		

	including Scottish Water, voluntary groups and public utility companies through the relevant Joint Agency Control Centre.
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<b>Action (ID):</b>	<b>Community engagement (32702)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (32703)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Manor Valley is part of the 'Manor, Stobo and Lyne' Resilient Communities area. Scottish Borders Council should continue to support the activities of resilient communities, which play an active role in the roads closure procedure for the valley in times of flooding.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Resilience groups in the Manor Valley will continue to work together to deliver resilience and community plans.		

## Selkirk & Ettrick Valley (02/13/04)

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 223km<sup>2</sup> and stretches the length of the Ettrick Valley to the Ettrick Waters confluence with the River Tweed.

The main risk is river flooding from the Ettrick Water. In 2016 the local authority completed a flood protection scheme that protects Selkirk from river flooding. There is a long history of flooding in this area, including widespread flooding of properties prior to the construction of the flood protection scheme, and more recent flooding of the road near Ettrick.

There are three target areas in this PVA-

- Lindean (Target Area 274)
- Upper Ettrick (Target Area 278)
- Selkirk (Target Area 313)

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### PVA Boundary



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### Lindean (Target area 274)

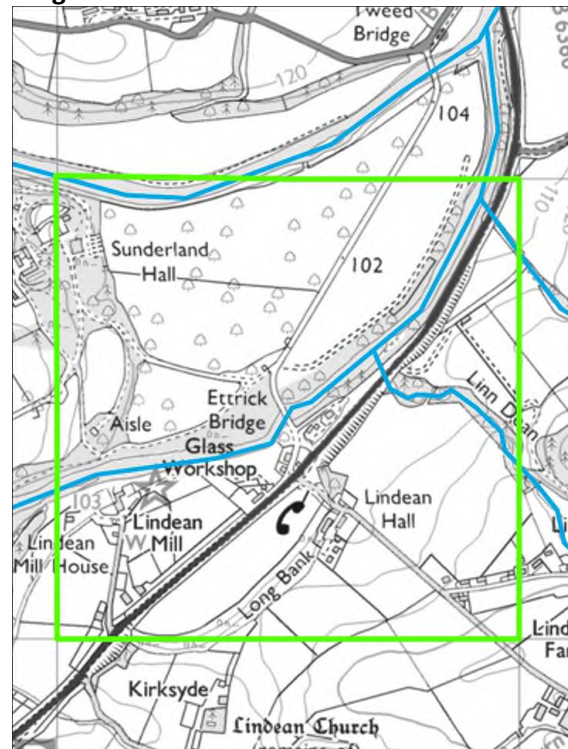
The main source of flooding in Lindean is river flooding. There are approximately 20 people and 10 homes and businesses currently at risk from flooding. This is likely to increase to 11 homes and businesses by the 2080s due to climate change.

#### Objectives to manage flooding in Lindean

- Avoid flood risk (2741) – Avoid inappropriate development that increases flood risk in Lindean.
- Prepare for flooding (2742) – Prepare for current flood risk and future flooding as a result of climate change in Lindean.
- Reduce flood risk (2743) – Reduce the risk of surface water flooding and river flooding from the Ettrick Water in Lindean.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 274



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### Actions to manage flooding Target Areas 274

<b>Action (ID):</b>	<b>Flood study (options appraisal) (27401)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	A flood study for Lindean is currently being progressed. A short-list of feasible options has been developed with work on-going to determine the best suite of flood risk management options for Lindean for current flood risk and in the future. The next stages of the study is to actively engage with stakeholders the residents of Lindean.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise the local community and stakeholders to complete the on-going flood study. SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.		

<b>Action (ID):</b>	<b>Flood scheme or works design (27402)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The design phase of a flood protection scheme or works for Lindean should be progressed after the initial flood study has been completed. The design is likely to incorporate direct defences at Lindean Mill and Lindean Smithy Cottages. There should be consideration of the current and long term flood risk and how		

	<p>the flood protection scheme and area will adapt to changes in flood risk through development of an adaptation plan.</p> <p>In accordance with the Flood risk management plan, as part of the scheme or works, the responsible authority should aim to ensure the action will not have an adverse effect on the integrity of the River Tweed Special Area of Conservation.</p>
<b>Funding:</b>	Funding for design works will be subject to budget allocations over the six years of the plan, 2022 - 2028.
<b>Coordination:</b>	<p>The Council will determine the best way forward for this action following completion of the Lindean Flood Study.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.</p>

<b>Action (ID):</b>	<b>Community engagement (27403)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Findings from the recent flood study should be used to inform any future engagement activities in this Target Area.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities and the local community to coordinate the delivery of this action and other associated actions as required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (27404)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Ettrick Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood studies and development of flood scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		



### Upper Ettrick (Target area 278)

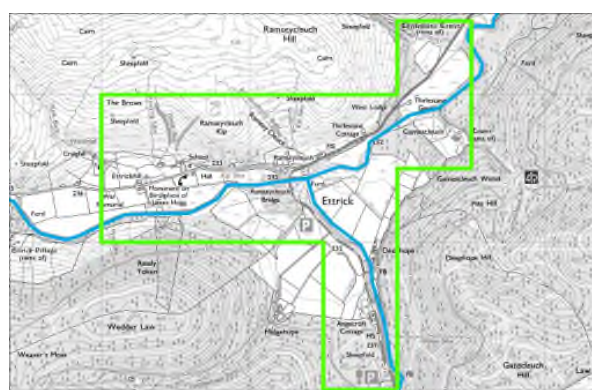
The main source of flooding in the Upper Ettrick is river flooding. Although the number of people and homes and businesses at risk is small (4 people and 10 homes and businesses), flooding can have a significant impact on these communities due to roads flooding and cutting off access routes.

#### Objectives to manage flooding in Upper Ettrick

- Avoid flood risk (2781) – Avoid inappropriate development that increases flood risk in Upper Ettrick.
- Prepare for flooding (2782) – Prepare for current flood risk and future flooding as a result of climate change in Upper Ettrick.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 278



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### Actions to manage flooding Target Areas 278

<b>Action (ID):</b>	<b>Flood study (27801)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	A flood study is currently underway for the Ettrick Water and Tima Water. The study should continue as planned, improving understanding of the flooding mechanisms and appraising any options highlighted to manage flood risk.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will continue the flood study through to completion and review the outputs of the study to determine what further action should be taken. SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.		

<b>Action (ID):</b>	<b>Emergency Plan (27802)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should review and update as appropriate the Severe Weather Emergency Plan as new information becomes available. The local resilient communities road closure plan for the Ettrick Valley should be reviewed and updated as part of this process.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council, the Emergency Services and SEPA initiate the relevant Emergency Plan as appropriate in relation to Met office weather		

	warnings and SEPA flood warning information. This includes a coordinated approach with representation from all Category 1 and Category 2 responders including Scottish Water, voluntary groups and public utility companies through the relevant Joint Agency Control Centre.
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<b>Action (ID):</b>	<b>Community engagement (27803)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Findings from the recent flood study should be used to inform any future engagement activities in this Target Area.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities and the local community to coordinate the delivery of this action and other associated actions as required.		

<b>Action (ID):</b>	<b>Community resilience group (27804)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to support the Ettrick & Yarrow Resilient Communities Group.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Ettrick & Yarrow Resilience Group and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood warning maintenance (27805)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Ettrick Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood studies and development of flood scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

### Selkirk (Target area 313)

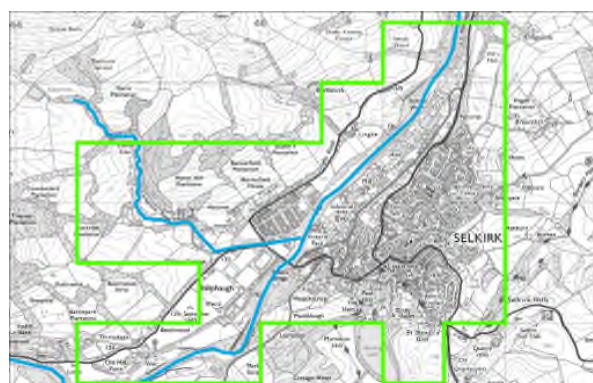
The main source of flooding in Selkirk is river flooding. A flood protection scheme has recently been completed providing protection to 630 homes and businesses.

#### Objectives to manage flooding in Upper Ettrick

- Avoid flood risk (3131) – Avoid inappropriate development that increases flood risk in Selkirk.
- Avoid flood risk (3132) – Avoid an increase in flood risk by the appropriate management and maintenance of the Selkirk Flood Protection Scheme.
- Prepare for flooding (3133) – Prepare for current flood risk and future flooding as a result of climate change in Selkirk.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 313



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### Actions to manage flooding Target Areas 313

<b>Action (ID):</b>	<b>Flood defence maintenance (31301)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Annual inspection and maintenance of the Selkirk Flood Protection Scheme should continue.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (31302)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Ettrick Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will maintain the Ettrick Water flood warning scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

## Galashiels & Stow (02/13/05)

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 125km<sup>2</sup> and stretches from north of Fountainhall then south to Stow, Galashiels, Melrose and Newstead.

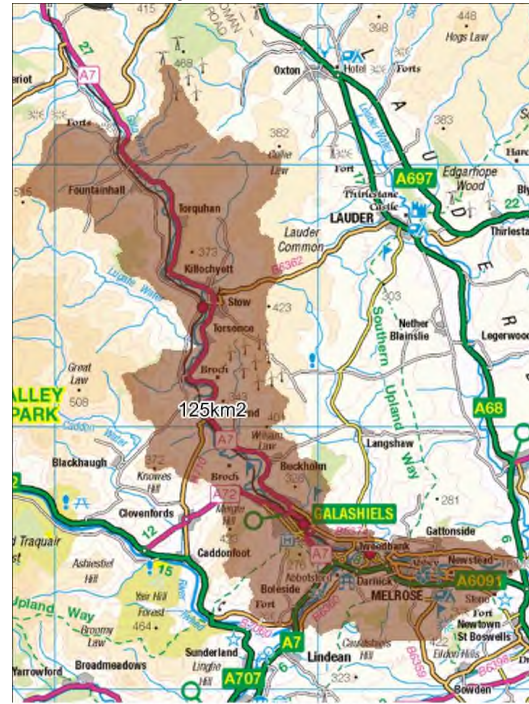
The main sources of flood risk are from the Gala Water and the River Tweed in Galashiels, River Tweed in Melrose and Gala Water in Stow. There is also a risk of flooding from surface water.

There are three target areas in this PVA-

- Galashiels (Target Area 289)
- Melrose (Target Area 301)
- Stow (Target Area 316)

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### PVA Boundary



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*(Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))*

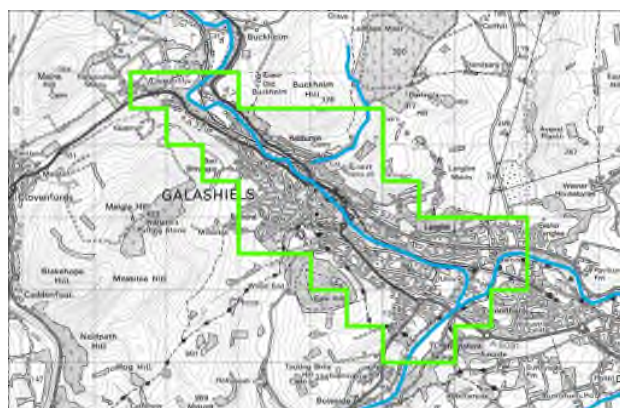
### Galashiels (Target area 289)

The main source of flooding is surface water, however there is also a risk from river flooding. There are approximately 2,300 people and 1,600 homes and businesses currently at risk of flooding. This is estimated to increase to 2,600 people and 1,800 homes and businesses by 2080 due to climate change. A flood protection scheme was completed in 2014 which provides protection against frequent floods.

#### Objectives to manage flooding in Galashiels

- Avoid flood risk (2891) – Avoid inappropriate development that increases flood risk in Galashiels
- Avoid flood risk (2892) – Avoid an increase in flood risk by the appropriate management and

### Target Area 289



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<p>maintenance of the Galashiels Flood Protection Scheme.</p> <ul style="list-style-type: none"> <li>• Improve data and understanding (2893) – Improve data and understanding of the performance of the Galashiels Flood Protection Scheme.</li> <li>• Prepare for flooding (2894) – Prepare for current flood risk and future flooding as a result of climate change in Galashiels</li> <li>• Reduce flood risk (2895) – Reduce the risk of surface water flooding and the residual risk of river flooding from the Gala Water and the River Tweed in Galashiels.</li> </ul> <p><a href="#">(Refer to the Tweed Flood Risk Management Plan (SEPA 2021) for more information)</a></p>	
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### Actions to manage flooding Target Areas 289

<b>Action (ID):</b>	<b>Flood study (28901)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2024
<b>Description:</b>	A natural flood management study should be completed as planned. This should assess if any catchment wide options can supplement and increase the level of protection currently offered by the Galashiels Flood Protection Scheme. The existing hydraulic model for Galashiels should be updated to current standards and include the assessment of Galashiels Flood Protection Scheme. Consideration for developing a hydraulic model upstream of Galashiels at Stow should also be considered.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council continues to work on a natural flood management study for the Gala Water Catchment, this includes the development of a whole catchment hydraulic model. Collaboration with stakeholders, local communities and lanowners will continue through to the completion of the study.  SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.		

<b>Action (ID):</b>	<b>Community engagement (28902)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk and also as part of the on-going natural flood management study.		

<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities and the local community to coordinate the delivery of this action and other associated actions as required.

<b>Action (ID):</b>	<b>Community resilience group (28903)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Responsible authorities should continue to support active resilience groups in the town including The Galashiels Bakehouse Burn Flood Warning Group, Galashiels Waterways Group and Mill Lade Committee.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Community groups and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood defence maintenance (28904)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Annual inspection and maintenance of the Galashiels Flood Protection Scheme should continue.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (28905)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Gala Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood study. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (28906)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibration		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood study. SEPA will continue to raise		

awareness of flood warning, and engage with communities about the service when required.

### Melrose (Target area 301)

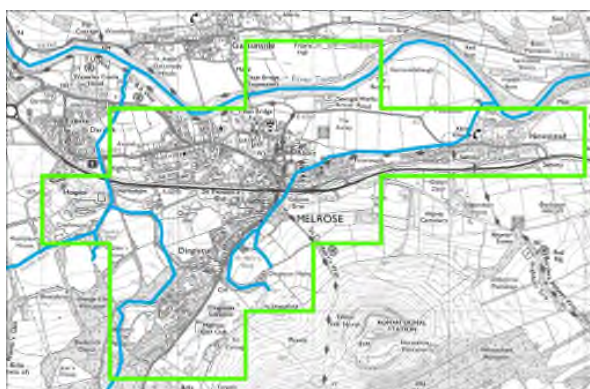
The main source of flooding in Melrose is surface water, however there is also a risk of river flooding. There are approximately 340 people and 260 homes and businesses at risk from flooding. This is likely to increase to 380 people and 310 homes and businesses by the 2080s due to climate change.

#### Objectives to manage flooding in Melrose

- Avoid flood risk (3011) – Avoid inappropriate development that increases flood risk in Melrose.
- Prepare for flooding (3012) – Prepare for current flood risk and future flooding as a result of climate change in Melrose.
- Reduce flood risk (3013) – Reduce the risk of river flooding from the River Tweed and surface water flooding in Melrose.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 301



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### Actions to manage flooding Target Areas 301

<b>Action (ID):</b>	<b>Flood warning maintenance (30101)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will maintain the Tweed flood warning scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Community engagement (30102)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk and also as part of the on-going natural flood management study.		

<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities and the local community to coordinate the delivery of this action and other associated actions as required.

### Stow (Target area 316)

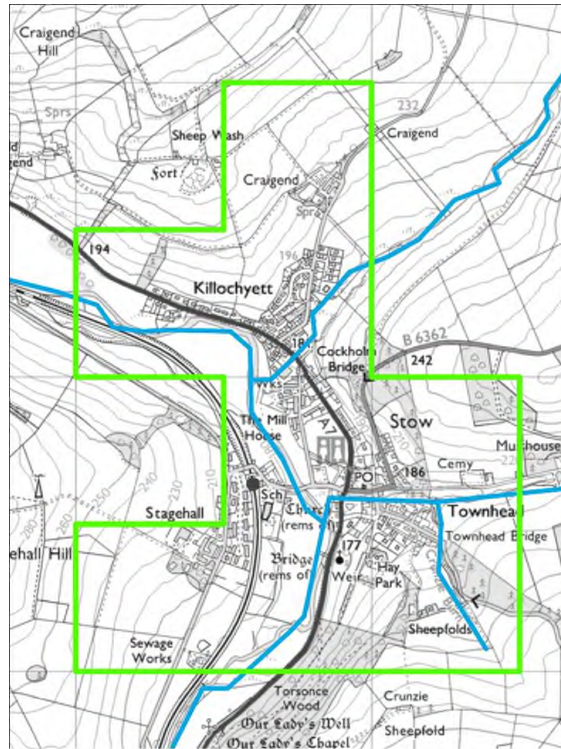
The main source of flooding in Stow is river flooding. There are approximately 140 people and 80 homes and businesses currently at risk from flooding. Climate change is not expected to have a significant effect on the number of homes and businesses at risk.

#### Objectives to manage flooding in Stow

- Avoid flood risk (3161) – Avoid inappropriate development that increases flood risk in Stow.
- Prepare for flooding (3162) – Prepare for current flood risk and future flooding as a result of climate change in Stow.
- Reduce flood risk (3163) – Reduce the risk of river flooding from the Gala Water and small watercourses in Stow.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 316



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### Actions to manage flooding Target Areas 316

<b>Action (ID):</b>	Flood study (31601)		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2024
<b>Description:</b>	The natural flood management study for the Gala Water catchment also covers this area. Consideration for developing a hydraulic model upstream of Galashiels at Stow should also be considered.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	<p>Scottish Borders Council continues to work on a natural flood management study for the Gala Water Catchment, this includes the development of a whole catchment hydraulic model. Collaboration with stakeholders, local communities and lanowners will continue through to the completion of the study.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.</p>		



<b>Action (ID):</b>	<b>Community resilience group (31602)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to support the Stow and Fountainhall Resilient Communities Group.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Community groups and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood warning maintenance (31603)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Gala Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood studies. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

## Earlston (Potentially Vulnerable Area (02/13/06))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 60km<sup>2</sup> and part of the Leader Water catchment. This is a small, rural area with the small town of Earlston located at the southern extent of the PVA.

The main sources of flooding are the Leader Water and Turfford Burn. The flood protection scheme on the Turfford Burn provides some protection against flooding. This area has a long history of flooding, with recent floods recorded from the Turfford Burn.

There is one target area in this PVA,

- Earlston (Target Area 287).

### PVA Boundary



*(Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))*

### Earlston (Target area 287)

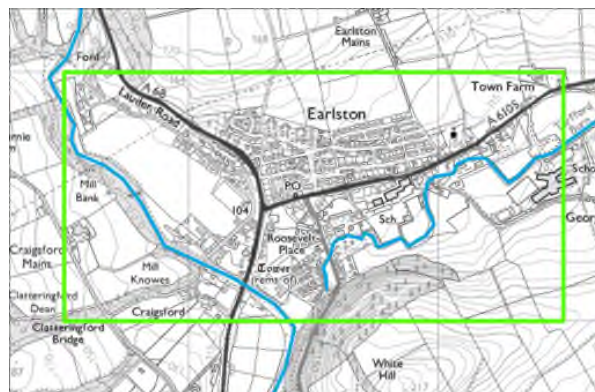
The main source of flooding to Earlston is river flooding. The local authority has carried out a flood study in this area. The study showed that there are approximately 15 people and 10 homes and businesses at risk of flooding. This is estimated to increase to 40 people and 20 homes and businesses by the 2080s due to climate change.

#### Objectives to manage flooding in Earlston

- Avoid flood risk (2871) – Avoid inappropriate development that increases flood risk in Earlston.
- Avoid flood risk (2872) – Avoid an increase in flood risk by appropriate management and maintenance of the Turfford Burn Flood Protection Scheme.
- Prepare for flooding (2873) – Prepare for current flood risk and future flooding as a result of climate change in Earlston.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### Target Area 287



## Actions to manage flooding Target Areas 287

<b>Action (ID):</b>	<b>Flood warning maintenance (28701)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Leader Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will maintain the Leader Water flood warning scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Community Engagement (28702)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered from the recent flood study should be used to inform current flood risk.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liase with the responsible authorities, community groups and other organistations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (28703)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Earlston Resilient Communities Group should continue to operate in the area. The flooding section of their resilience plan should be updated as appropriate when new information on managing flood risk become available. The Resilient Communities sandbag store in Earlston should continue to be maintained.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Earlston Resilience Group and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood defence maintenance (28704)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to maintain the existing Turfford Burn Flood Protection Scheme. This includes continuous inspections of the scheme on a yearly basis and undertaking maintenance as required to ensure the scheme operates at peak efficiency.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

## Coldstream (Potentially Vulnerable Area (02/13/07))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

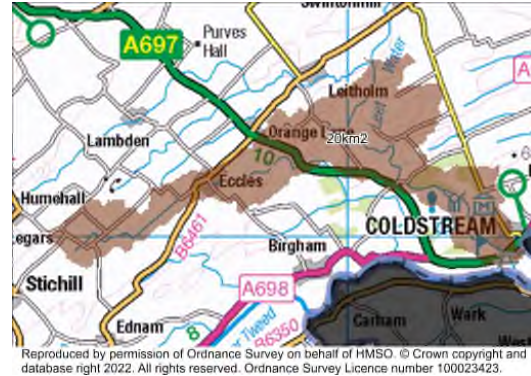
### Background

This Potentially Vulnerable Area is 20km<sup>2</sup>. This is a small, rural area with the small town of Coldstream located at the southern extent of the PVA.

The main sources of flooding are surface water and river flooding from Leet Water and the River Tweed. Recent river flooding to roads and property has occurred in the area.

- There is one target area in this PVA,
- Coldstream (Target Area 285).

#### PVA Boundary



*(Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))*

### Coldstream (Target area 285)

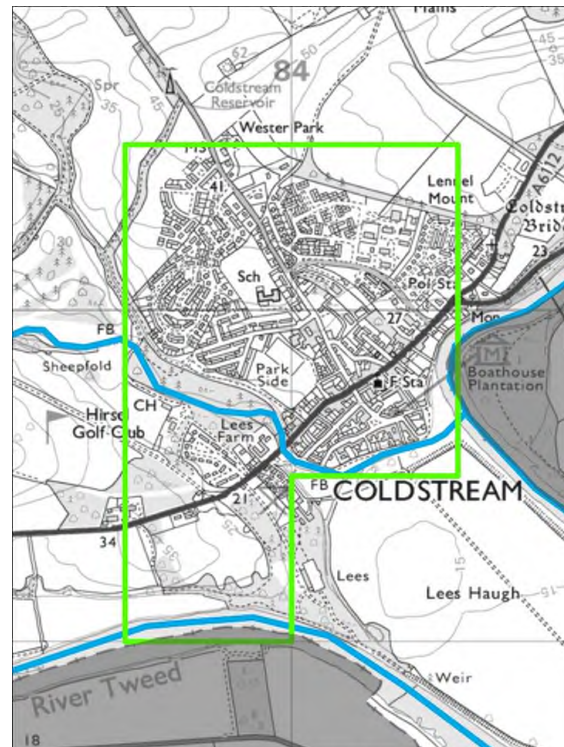
The main source of flooding in Coldstream is river flooding from the River Tweed and Leet Water and there is some risk from surface water flooding. There is currently uncertainty over the level of risk in Coldstream and further work is required to improve understanding.

#### Objectives to manage flooding in Coldstream

- Avoid flood risk (2851) – Avoid inappropriate development that increases flood risk in Coldstream.
- Improve data and understanding (2852) – Improve data and understanding of surface water flooding in Coldstream.
- Prepare for flooding (2853) – Prepare for current flood risk and future flooding as a result of climate change in Coldstream.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

#### Target Area 285



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## Actions to manage flooding Target Areas 285

<b>Action (ID):</b>	<b>Flood warning maintenance (28501)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will maintain the Tweed flood warning scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

<b>Action (ID):</b>	<b>Community Engagement (28502)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered from future studies should be used to inform current flood risk.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (28503)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The Coldstream Community Resilience Group should continue with support from the Scottish Borders Council. The resilience plan should be updated as new information on flood risk becomes available.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Coldstream Community Resilience Group and Scottish Borders Council will continue to work together to deliver resilience and community plans.		

## Kelso (Potentially Vulnerable Area (02/13/08))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 67km<sup>2</sup>. The main source of flooding is surface water and there is also flood risk from the River Tweed. There is a long history of flooding in this area with infrequent but significant floods from the River Tweed and River Teviot.

There is one target area in this PVA,

- Kelso (Target Area 293).

### PVA Boundary



*(Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))*

### Kelso (Target area 293)

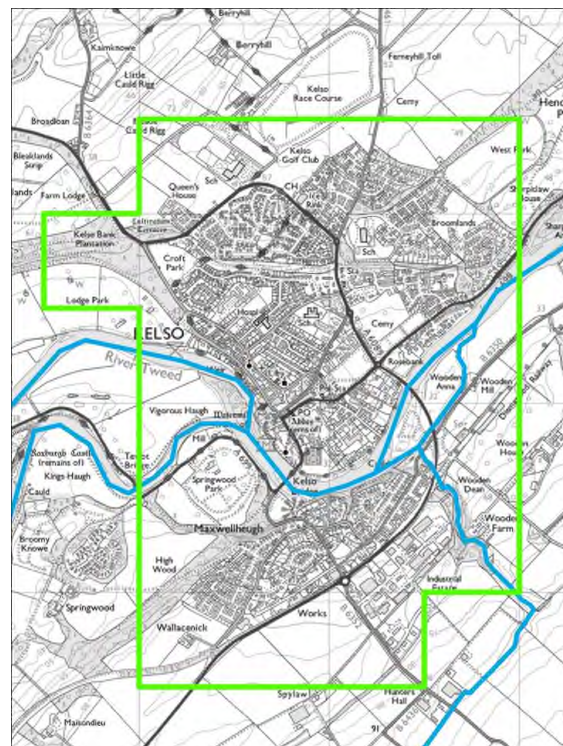
The main source of flooding is surface water, but there is also some risk from the River Tweed and River Teviot. There are approximately 680 people and 380 homes and businesses currently at risk of flooding. This is estimated to increase to 1,000 people and 590 homes and businesses by the 2080s due to climate change.

#### Objectives to manage flooding in Kelso

- Avoid flood risk (2931) – Avoid inappropriate development that increases flood risk in Kelso.
- Prepare for flooding (2932) – Prepare for current flood risk and future flooding as a result of climate change in Kelso.
- Reduce Flood Risk (2933) – Reduce the risk of surface water flooding in Kelso.

[\(Refer to the Tweed Flood Risk Management Plan \(SEPA 2021\) for more information\)](#)

### Target Area 293



## Actions to manage flooding Target Areas 293

<b>Action (ID):</b>	<b>Surface Water Management Plan (29301)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2025 - 2027
<b>Description:</b>	A surface water management plan should be developed to improve understanding of surface water flood risk in Kelso. Current and long term flood risk should be considered and relevant high level actions appraised using the national guidance available. Any actions highlighted should consider the impacts of climate change and be included in an appropriate adaptation plan to address these risks in the future.		
<b>Funding:</b>	Funding for a Surface water management plan will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action with Scottish Water and other stakeholders as appropriate.		

<b>Action (ID):</b>	<b>Community Engagement (29302)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered from future studies should be used to inform current flood risk.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liase with the responsible authorities, community groups and other organistations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Flood warning maintenance (29303)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Tweed flood warning scheme. The scheme should be investigated for improvement and/or recalibratio		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will maintain the Tweed flood warning scheme. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

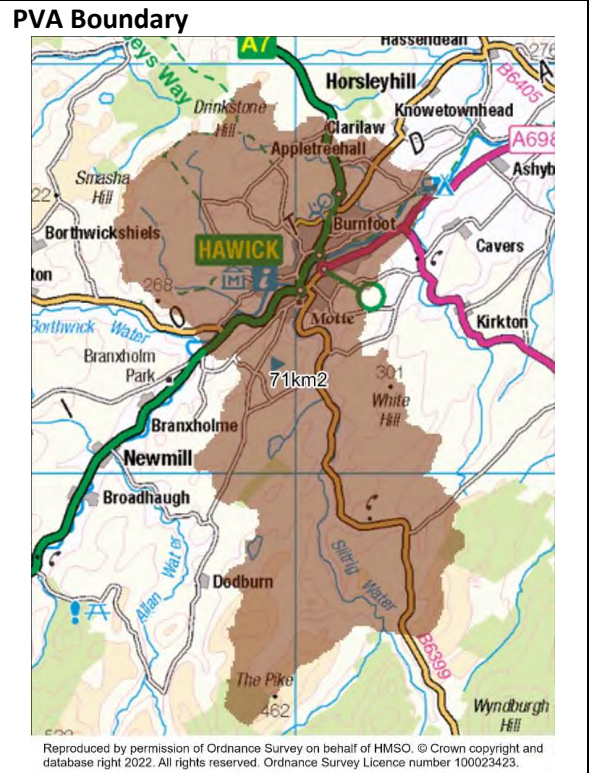
# Hawick (Potentially Vulnerable Area (02/13/09))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

## Background

This Potentially Vulnerable Area is 71km<sup>2</sup>. The main source of flooding is the River Teviot and its tributaries including the Slitrig Water. There is also a risk of flooding from surface water. There is a long history of flooding in this area, with recent floods recorded during Storm Ciara in February 2020, leading to the collapse of a property next to the River Teviot.

- There is one target area in this PVA,
- Hawick (Target Area 290).



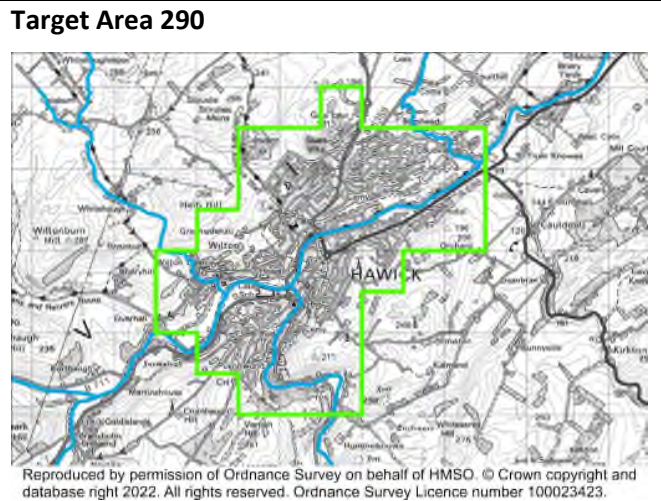
(Reproduced from the Tweed Flood Risk Management Plan, SEPA (December 2021))

## Hawick (Target area 290)

The main source of flooding in Hawick is river flooding which includes the River Teviot and its tributaries the Slitrig Water, Wilton Burn, Dean Burn and Boonraw Burn. There is also risk from surface water flooding. There are approximately 2,600 people and 1,600 homes and businesses currently at risk of flooding. This is likely to increase to 3,000 people and 1,900 homes and businesses by the 2080s due to climate change. A flood protection scheme for Hawick is currently under development.

### Objectives to manage flooding in Hawick

- Avoid flood risk (2901) – Avoid inappropriate development that increases flood risk in Hawick
- Avoid flood risk (2902) – Avoid an increase in flood risk in Hawick by





<p>the appropriate protection, management and maintenance of the Hawick Flood Protection Scheme.</p> <ul style="list-style-type: none"> <li>• Prepare for flooding (2903) – Prepare for current flood risk and future flooding as a result of climate change in Hawick.</li> <li>• Reduce Flood Risk (2904) – Reduce the risk of surface water flooding and river flooding from the River Teviot and Slitrig Water in Hawick.</li> </ul> <p><a href="#">(Refer to the Tweed Flood Risk Management Plan (SEPA 2021) for more information)</a></p>	
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### Actions to manage flooding Target Areas 290

<b>Action (ID):</b>	<b>Flood study (29001)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2024
<b>Description:</b>	A natural flood management study should be carried out for Hawick. This should assess if any catchment wide options can supplement and increase the level of protection offered by the Hawick Flood Protection Scheme.		
<b>Funding:</b>	Funding for a natural flood management study will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	<p>Scottish Borders Council will coordinate the delivery of this action by procuring a consultant to carry out the study and engaging stakeholders and other interested parties as associated.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.</p>		

<b>Action (ID):</b>	<b>Flood scheme or works design (29002)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	<p>A flood protection scheme has been recommended for the Crowbyres and Whitlaw areas of Hawick. Recommendations include structural elements, including flood defence wall and embankment (1 in 75 year and 1 in 200 year plus climate change standard of protection considered) and improved road drainage measures proposed for the B6399. The scheme should be progressed through outline and detailed design. There should be consideration of the current and long term flood risk and how the flood protection scheme and area will adapt to changes in flood risk through development of an adaptation plan.</p> <p>In accordance with the Flood risk management plan, as part of the scheme or works, the responsible authority should aim to ensure the action will not have an adverse effect on the integrity of the River Tweed Special Area of Conservation and the Borders Woods Special Area of Conservation.</p>		

<b>Funding:</b>	Funding for the Flood Protection Scheme will be subject to budget allocations over the six years of the plan, 2022 - 2028.
<b>Coordination:</b>	<p>Scottish Borders Council will further develop the existing flood study work already completed and refine the proposed flood risk mitigation options. The Council will engage with the community and local &amp; national stakeholders as appropriate.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.</p>

<b>Action (ID):</b>	<b>Flood scheme or works implementation (29003)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Construction of the Hawick Flood Protection Scheme should continue to its completion, providing a 1 in 75 year level of protection to homes and businesses in the centre of Hawick. The design of the new flood protection scheme should be considered in the development of an adaptation plan.		
<b>Funding:</b>	Scottish Borders Councils budget allocation in the Capital Plan.		
<b>Coordination:</b>	<p>Scottish Borders Council will continue the delivery of this action through to scheme completion.</p> <p>SEPA will work with the local authority on the potential to coordinate this action with an update to SFDAD and flood warning actions.</p>		

<b>Action (ID):</b>	<b>Flood defence maintenance (29004)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Annual inspection and maintenance of the Hawick Flood Protection Scheme should start once the scheme has been completed.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

<b>Action (ID):</b>	<b>Sewer flood risk assessment (29005)</b>		
<b>Delivery Lead:</b>	Scottish Water	<b>Indicative Delivery</b>	2025 - 2027
<b>Description:</b>	Scottish Water will undertake a modelling assessment in the Hawick sewer catchment to improve knowledge and understanding of flood risk in this area as required under Section 16 of the Flood Risk Management (Scotland) Act 2009.		
<b>Funding:</b>	Funding for this action is secured within Scottish Water's business plan.		
<b>Coordination:</b>	Outputs of this modelling assessment will be shared with local authorities and SEPA.		

<b>Action (ID):</b>	<b>Surface Water Management Plan (29006)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2025 - 2027

<b>Description:</b>	Scottish Borders Council should continue to develop and implement a surface water management plan for Hawick. This should consider the results of Scottish Water's sewer flood risk assessment and should include a high level appraisal of actions to manage flood risk. The works carried out as part of Hawick Flood Protection Scheme should be considered. The impacts of climate change on flood risk should be assessed.
<b>Funding:</b>	Funding for a Surface water management plan will be subject to budget allocations over the six years of the plan, 2022 – 2028.
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action with Scottish Water and other stakeholders as appropriate.

<b>Action (ID):</b>	<b>Community Engagement (29007)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered from future studies and actions implemented to reduce flood risk should be used to further inform the community.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (29008)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The Hawick Flood Group and Hawick Resilience Group should continue to be supported by the Scottish Borders Council.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council, the Hawick Flood Group and Hawick Resilience group will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood warning maintenance (29009)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Teviot Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood scheme development. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.		

## Bonchester Bridge (Potentially Vulnerable Area (02/13/10))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

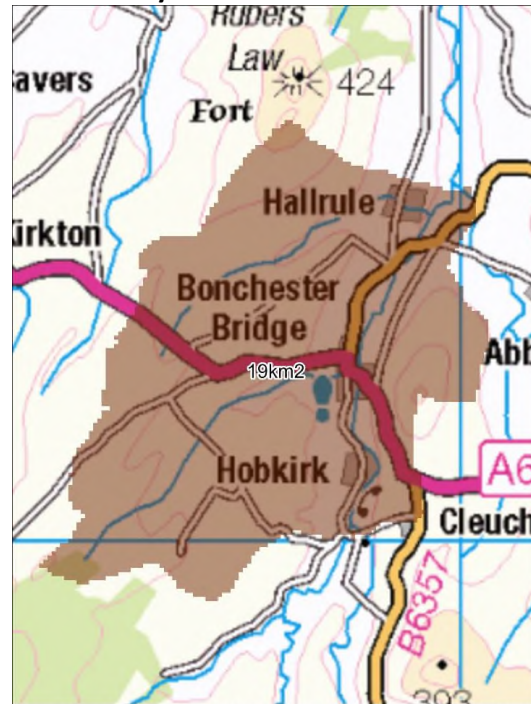
### Background

This Potentially Vulnerable Area is 19km<sup>2</sup>. The main source of flooding is the Rule Water. There is a history of flooding in this area, with recent flooding recorded in February 2020.

There is one target area in this PVA,

- Bonchester Bridge (Target Area 276).

### PVA Boundary



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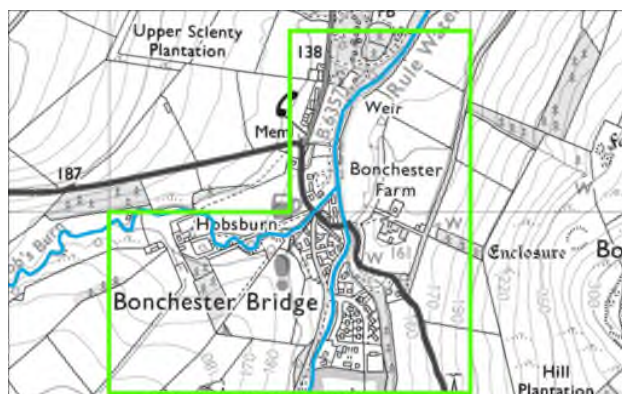
### Bonchester Bridge (Target area 276)

The main source of flooding is river flooding. There are approximately 90 people and 50 homes and businesses currently at risk from flooding, which is a significant proportion of the community. This is likely to increase to 100 people and 60 properties by the 2080s due to climate change. There are community facilities and roads at risk from flooding.

#### Objectives to manage flooding in Bonchester Bridge

- Avoid flood risk (2761) – Avoid inappropriate development that increases flood risk in Bonchester Bridge.
- Prepare for flooding (2762) – Prepare for current flood risk and future flooding as a result of

### Target Area 276



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<p>climate change in Bonchester Bridge.</p> <ul style="list-style-type: none"> <li>• Reduce flood risk (2763) – Reduce the risk of river flooding from the Rule Water in Bonchester Bridge.</li> </ul> <p><a href="#">(Refer to the Tweed Flood Risk Management Plan (SEPA 2021) for more information)</a></p>	
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### Actions to manage flooding Target Areas 276

<b>Action (ID):</b>	<b>Data collection (27601)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The Rule Water is an ungauged river. The feasibility of data collection and monitoring should be considered in order to gain better understanding of the river hydrology and flooding mechanisms.		
<b>Funding:</b>	Funding for data collection will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action along with SEPA and other stakeholders. SEPA will work with the local authority on the potential to coordinate opportunities for joint data collection activities.		

<b>Action (ID):</b>	<b>Flood study (27602)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2026
<b>Description:</b>	Scottish Borders Council should undertake a flood study for Bonchester Bridge. The flood study should include flood modelling to quantify the risk of flooding from river and surface water sources, identifying all flooding mechanisms, and investigate a range of flood scenarios including the potential impacts of climate change. National guidance should be followed to assess any options highlighted as a potential flood risk management measure. The study should assess as appropriate the suitability of natural flood management including land management, runoff management, river restoration, existing and new woodland areas and floodplain storage if identified as opportunities.		
<b>Funding:</b>	Funding for the flood study will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action by procuring a consultant to carry out the study and engaging stakeholders and other interested parties as appropriate.		

<b>Action (ID):</b>	<b>Community Engagement (27603)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered		

	from future studies and actions implemented to reduce flood risk should be used to further inform the community.
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.
<b>Coordination:</b>	Scottish Borders Council will liase with the responsible authorities, community groups and other organistations to coordinate the delivery of this action and other associated actions.

<b>Action (ID):</b>	<b>Community resilience group (27604)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The Resilient Communities Group and volunteers cover Bonchester Bridge preparing and putting into practice their Community Resilience Plan supported by the local authority.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council and the local resillience group will continue to work together to deliver resilience and community plans.		

# Jedburgh (Potentially Vulnerable Area (02/13/11))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

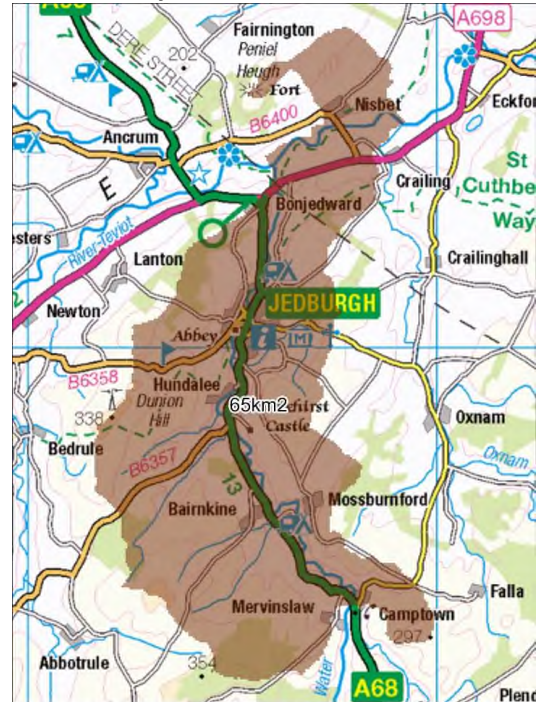
## Background

This Potentially Vulnerable Area is 65km<sup>2</sup>. The main sources of flooding are the Jed Water and Skiprunning Burn, and there is also risk from surface water. The local authority completed a flood protection scheme for the Skiprunning Burn in Jedburgh in 2016. There are records of recent flooding from the Jed Water and surface water.

There is one target area in this PVA,

- Jedburgh (Target Area 292).

### PVA Boundary



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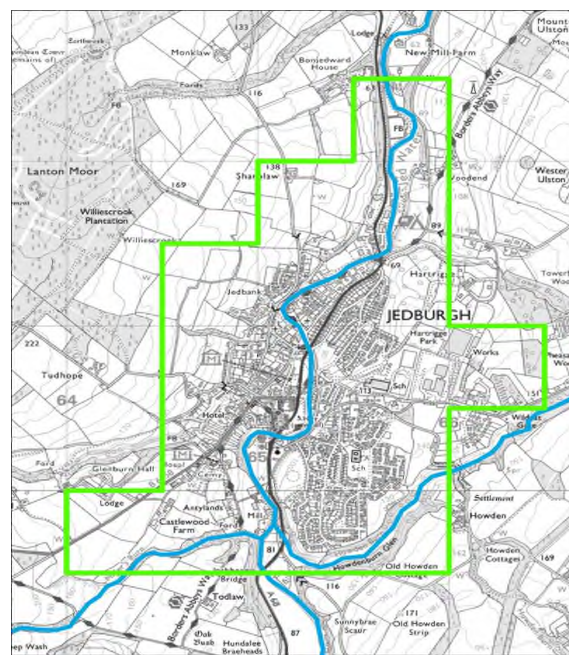
## Jedburgh (Target area 292)

The main source of flooding is river flooding, however there is also risk from surface water. The local authority has completed a flood protection scheme on the Skiprunning Burn in Jedburgh. There are approximately 690 people and 510 homes and businesses at risk from flooding. This is likely to increase to 830 people and 590 homes and businesses by the 2080s due to climate change. There are a number of roads at risk of flooding, which may cause travel disruption.

### Objectives to manage flooding in Jedburgh

- Avoid flood risk (2921) – Avoid inappropriate development that increases flood risk in Jedburgh.
- Avoid flood risk (2923) – Avoid an increase in flood risk by the appropriate management and maintenance of existing flood defences along the Jed

### Target Area 292



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<p>Water including the Jed Water Flood Protection Scheme and the Jedburgh (Skiprunning Burn) Flood Protection Scheme.</p> <ul style="list-style-type: none"> <li>• Prepare for flooding (2923) – Prepare for current flood risk and future flooding as a result of climate change in Jedburgh.</li> <li>• Reduce flood risk (2924) – Reduce the risk of river flooding and surface water flooding from the Jed Water and Skiprunning Burn in Jedburgh.</li> </ul> <p><a href="#">(Refer to the Tweed Flood Risk Management Plan (SEPA 2021) for more information)</a></p>	
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### Actions to manage flooding Target Areas 292

<b>Action (ID):</b>	<b>Flood study (29201)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2026
<b>Description:</b>	Scottish Borders Council should carry out a flood study for Jedburgh. The study should include flood modelling to quantify the flood risk from river and surface water sources, identifying all flooding mechanisms. The study should investigate a range of flood scenarios including the potential impacts of climate change. National guidance should be followed to assess any options highlighted as a potential flood risk management measure. The study should assess as appropriate the suitability of natural flood management measures. Development of an adaptation plan for managing flood risk in Jedburgh should also be undertaken.		
<b>Funding:</b>	Funding for the flood study will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action by procuring a consultant to carry out the study and engaging stakeholders and other interested parties as appropriate.  SEPA will work with the local authority on the potential to coordinate this action with flood warning actions.		

<b>Action (ID):</b>	<b>Surface Water Management Plan (29202)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2025 - 2027
<b>Description:</b>	A surface water management plan should be developed to improve understanding of surface water flood risk in Jedburgh. Current and long term flood risk should be considered and relevant high level actions appraised using the National Guidance available. Any actions highlighted should consider the impacts of climate change and be included in an appropriate adaptation plan to address these risks in the future.		



<b>Funding:</b>	Funding for a Surface water management plan will be subject to budget allocations over the six years of the plan, 2022 – 2028.
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action with Scottish Water and other stakeholders as appropriate.

<b>Action (ID):</b>	<b>Community Engagement (29203)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement is to continue to be carried out in the area by the responsible authorities to raise awareness of flood risk. Information gathered from future studies and actions implemented to reduce flood risk should be used to further inform the community.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (29204)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to support the Jedburgh Community Resilience Group.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council and the local resilience group will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood defence maintenance (29205)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Scottish Borders Council should continue to maintain Jed Water Flood Protection Scheme and the Jedburgh (Skiprunning Burn) Flood Protection Scheme. This includes continuous inspections of the scheme on a yearly basis and undertaking maintenance as required to ensure the scheme operates at peak efficiency.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Inspections will be scheduled as appropriate as part of the Council's duties under the Flood Risk Management (Scotland) Act 2009. Any maintenance required will be through consultation with other responsible authorities, stakeholders and landowners as required.		

<b>Action (ID):</b>	<b>Flood warning maintenance (29206)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	SEPA should maintain the Jed Water flood warning scheme. The scheme should be investigated for improvement and/or recalibration.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		

**Coordination:**

SEPA will work with Scottish Borders Council on the potential to coordinate flood warning improvements with the flood study. SEPA will continue to raise awareness of flood warning, and engage with communities about the service when required.

## Bowmont Valley (Potentially Vulnerable Area (02/13/12))

Local Plan District	Local authority	Main catchment
Tweed	Scottish Borders Council	River Tweed

### Background

This Potentially Vulnerable Area is 51km<sup>2</sup>. The main source of flooding is the Bowmont Water which is made worse due to significant erosion issues in the valley. There is potential for communities to become isolated due to flooding of access roads. Several floods have occurred in the valley, with records of flooding to properties and damage to the road.

There is one target area in this PVA,

- Bowmont Valley (Target Area 326).

### PVA Boundary



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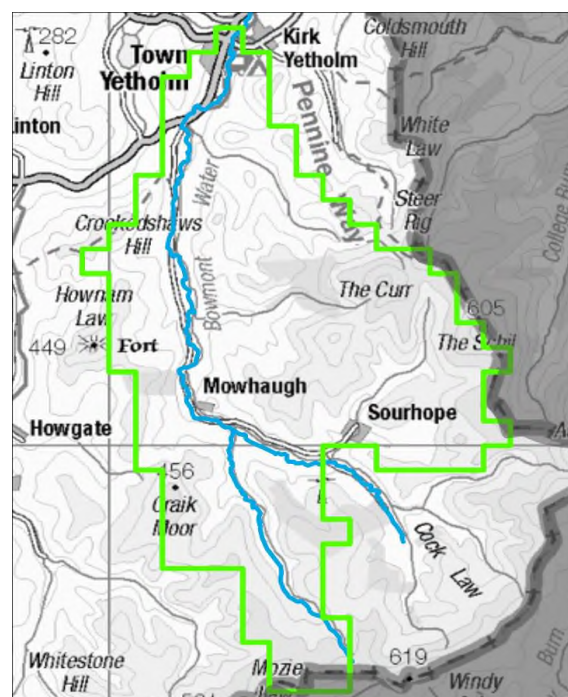
### Bowmont Valley (Target area 326)

There are a number of small settlements located across the valley. The main source of flooding in the Bowmont Valley is river flooding. These issues are made more significant because of the dynamic nature of the river system and erosion. There are approximately 30 people and 50 homes and businesses at risk from flooding. The community is likely to be susceptible to the impacts of climate change on flood risk and erosion in the catchment.

#### Objectives to manage flooding in the Bowmont Valley

- Avoid flood risk (3261) – Avoid inappropriate development that increases flood risk in the Bowmont Valley.
- Improve data and understanding (3262) – Improve data and understanding of

### Target Area 326



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<p>river flooding and erosion in the Bowmont Valley.</p> <ul style="list-style-type: none"> <li>• Prepare for flooding (3263) – Prepare for current flood risk and future flooding as a result of climate change in the Bowmont Valley Communities.</li> </ul> <p><a href="#">(Refer to the Tweed Flood Risk Management Plan (SEPA 2021) for more information)</a></p>	
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### Actions to manage flooding Target Areas 326

<b>Action (ID):</b>	<b>Data collection (32601)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Further data collection and monitoring is needed in this area to improve certainty in hydrology data and mechanisms of both flooding and erosion. A review may be required to assess the need for rain and river gauges. Post flood event surveys may be required to collect data on flooding and erosion mechanisms, risk and damage caused.		
<b>Funding:</b>	Funding for data collection will be subject to budget allocations over the six years of the plan, 2022 – 2028.		
<b>Coordination:</b>	Scottish Borders Council will coordinate the delivery of this action along with SEPA and other stakeholders. SEPA will work with the local authority on the potential to coordinate opportunities for joint data collection activities.		

<b>Action (ID):</b>	<b>Community Engagement (32602)</b>		
<b>Delivery Lead:</b>	Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	Community engagement should be initiated to improve current knowledge and assist with future flood studies.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council will liaise with the responsible authorities, community groups and other organisations to coordinate the delivery of this action and other associated actions.		

<b>Action (ID):</b>	<b>Community resilience group (32602)</b>		
<b>Delivery Lead:</b>	Community Group/ Scottish Borders Council	<b>Indicative Delivery</b>	2022 - 2028
<b>Description:</b>	The Yetholm and District Resilient Communities Group and the Kalewater Resilient Communities Group are active in this area. These groups should continue to be supported by the local authority and others as necessary.		
<b>Funding:</b>	Scottish Borders Council Revenue and Capital Budgets.		
<b>Coordination:</b>	Scottish Borders Council and the local resilience group will continue to work together to deliver resilience and community plans.		

<b>Action (ID):</b>	<b>Flood warning scoping (32603)</b>		
<b>Delivery Lead:</b>	SEPA	<b>Indicative Delivery</b>	2026 - 2028
<b>Description:</b>	Scoping for a river flood warning scheme will be carried out in Bowmont Valley.		
<b>Funding:</b>	SEPA's role in this action is funded by Scottish Government through SEPA's grant in aid settlement.		
<b>Coordination:</b>	SEPA will work with Scottish Borders Council on the potential to coordinate flood warning development with the data collection.		

## Chapter 4: Next Steps

This plan will run for six years from 2022. Over this period the Tweed LPD partnership will meet from time to time to monitor progress on implementing the actions detailed in Chapters two and three of the plan. Each partner organisation will receive reports through its governance processes and actions arising will be considered by the Steering Group.

Between years two and three of the cycle (i.e. before December 2025), Scottish Borders Council, as lead local authority will publish a report on the conclusions of a review of the plan, including information on the progress that has been made towards delivering the actions identified in the plan.

Between years five and six of the cycle (i.e. before June 2028), Scottish Borders Council, as lead local authority will publish a report on the plan containing an assessment of the progress made towards delivering the "current actions", a summary of the actions not implemented, with reasons why, and a description of any other actions undertaken since the plan was finalised, which the lead local authority considers have contributed to the achievement of the objectives in the plan.

Scottish Borders Council will make these reports available for public inspection.

## Chapter 5: Annexes

### 5.1 Acknowledgments

Scottish Borders Council gratefully acknowledges the cooperation and input that various parties have provided, including inter alia, the following organisations:

#### **SEPA**

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#### **Local authorities**

Lead authorities acknowledge the provision of flood models and other supporting data and information from local authorities in Scotland and their collaboration in the production of flood risk management information.

#### **Scottish Water**

Scottish Borders Council and South Lanarkshire Council acknowledge the inclusion of surface water flooding data generated by Scottish Water in preparation of flood risk information.