

02/07/09 (Dundee, Broughty Ferry and Invergowrie)

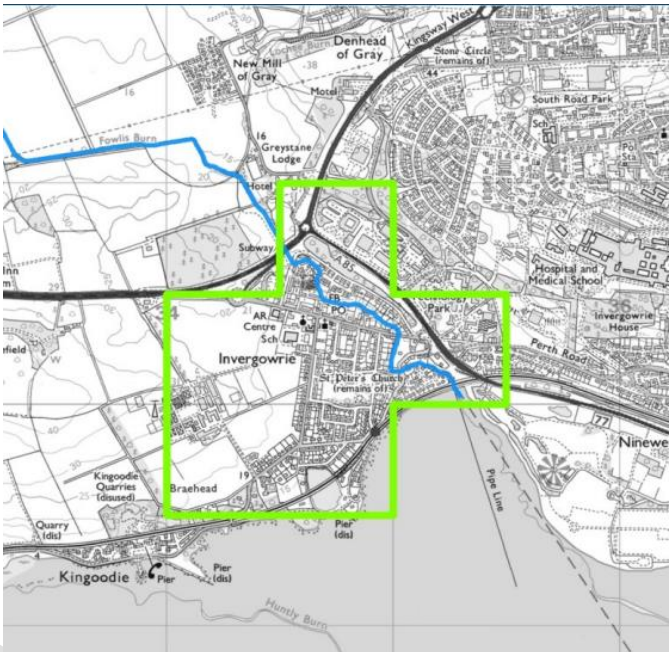
This area is designated as a potentially vulnerable area due to flood risk in Broughty Ferry, Dundee and Invergowrie. There is flood risk from all sources including coastal from the Firth of Tay, surface water and small watercourses. A flood protection scheme has recently been completed in Dundee to protect the city from coastal flooding. There is a long history of flooding in this area. This includes recent flooding due to wave overtopping in Dundee during Storm Ciara, and frequent surface water flooding.

There are 3 target areas in this potentially vulnerable area, which have been the focus of further assessment. These are listed below. Further information on the objectives and actions to manage flood risk within this area is provided below

List of target areas

Invergowrie (target area 235)

Invergowrie (Objective Target Area 235)

Summary	Location Map
<p>Invergowrie lies on the north bank of the Firth of Tay, west of Dundee, within the Perth and Kinross Council area. The main source of flooding is river flooding from the Invergowrie Burn and there is also some risk from surface water. An on-going natural flood management flood study carried out by the local authority indicates that there are approximately 10 homes and businesses currently at risk of flooding and that this is likely to increase to 18 homes and businesses by the 2080s due to climate change.</p>	 <p>(© Crown copyright and database rights 2022 OS 100016971)</p>

Current Understanding of Flood Risk

This section provides a summary of information, which has helped to develop an understanding of flood risk in the area. Since 2011 SEPA has developed and updated national assessments of flooding from rivers, surface water and coastal sources. The national assessment of surface water flooding was improved by a surface water management plan and a sewer flood risk assessment. The surface water management plan concluded that the majority of flood risk in Invergowrie was from river sources. An integrated catchment study was also carried out but this concluded that there is no interaction between sewer, river and surface water flooding.

There is a history of flooding in the area. Records are limited but the first flood recorded occurred in August 2004 when the Invergowrie Burn overflowed, affecting properties on Main Street, Burnside Road, Balruddery Farm and the road at Boniface Road and Boniface Place. In January 2011 the Invergowrie Burn overflowed, affecting roads and a residential property. The most recent flood was recorded in January 2016 when 1 residential property flooded.

Objectives and Actions in the Comrie Objective Target Area

The objectives and actions for this target area are set out in the tables below.

SEPA and responsible authorities also carry out actions in all areas to manage current and future flood risk.

Action (ID):	FLOOD STUDY (Ref: 23501)		
Objective (ID):	Reduce the risk of surface water and river flooding from the Invergowrie Burn in Invergowrie (Ref: 2353).		
Delivery Lead:	Perth and Kinross Council		
Status:	Complete	Planned Delivery Period:	2022
Description:	A natural flood management study for the Invergowrie Burn was included in the Cycle 1 Tay Estuary Local Flood Risk Management Plan. The study, which commenced in March 2020, was administered by Perth and Kinross Council and awarded to consulting engineers, Sweco UK Ltd. The study was completed following community engagement in September 2022.		
Coordination Arrangement:	Perth and Kinross Council coordinated the natural flood management study with Dundee City Council, Angus Council and other partners in the Tay Estuary & Montrose Basin local plan district partnership.		
Funding Arrangement:	Funding for the flood study was allocated from Perth and Kinross Council's revenue budget.		

Action (ID):	SEWER FLOOD RISK ASSESSMENT (Ref: 23502)		
Objective (ID):	Reduce the risk of surface water and river flooding from the Invergowrie Burn in Invergowrie (Ref: 2353)		
Delivery Lead:	Scottish Water		
Status:	Not Started	Planned Delivery Period:	2023-2025
Description:	Scottish Water will undertake a modelling assessment in the Hatton 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.		
Coordination Arrangement:	Outputs of this modelling assessment will be shared with local authorities and SEPA.		
Funding Arrangement:	Funding for this action is secured through Scottish Water's business plan.		

Action (ID):	COMMUNITY ENGAGEMENT (Ref: 23503)		
Objective (ID):	Prepare for current flood risk and future flooding as a result of climate change in Invergowrie (Ref: 2352)		
Delivery Lead:	SEPA and Responsible Authorities		
Status:	Existing	Planned Delivery Period:	On-going

Description:	Community engagement will continue to be carried out in the area by SEPA and the responsible authorities to raise awareness of flood risk. Community engagement activity will continue in connection with on-going projects and activities.
Coordination Arrangement:	Community engagement will take place around any projects and activities and will be coordinated through the Tay Estuary and Montrose Basin Local Plan District Partnership. Information will be disseminated through website, social media and other community engagement activity.
Funding Arrangement:	Community engagement activities will subject to funding from Perth and Kinross Council's revenue budget. SEPA's community engagement activities are funded by the Scottish Government through SEPA's grant in aid settlement. Scottish Water is funded by customer charges as set by their economic regulator; all business activities required under this action by Scottish Water are accounted for in their capital or operational expenditure.