

Working with the
Calderdale Flood Partnership



how we're reducing the risk of flooding for Calderdale



Calderdale flood action plan

Full action plan
September 2018

The Boxing Day floods had a devastating impact on the communities in Calderdale with over 3,500 homes and businesses affected. This plan contains the actions that communities and partners feel are essential to help Calderdale improve resilience and reduce the risk of flooding, and complete outstanding recovery work.

Calderdale is a special place and will always need to prepare, respond and adapt to floods. This action plan outlines how this will be achieved and we will continue to identify and deliver actions to reduce flood risk and protect and improve the environment.¹

This document is the second review of progress and new activity up to July 2018. The action plan is a 'living document' that is discussed, monitored and updated by the Calderdale Flood Partnership. The majority of the original actions were gathered through workshops, drop-in sessions and meetings. Lead delivery organisations and members of the Calderdale Flood Partnership were asked to update their actions to reflect the progress they had made, new information now available to them, and any follow-up or new actions resulting from work which has been completed. Operations Groups commented on the proposed revised draft plan and the document was approved by the Calderdale Flood Partnership Board. All changes made to the plan can be seen in Appendix 1.

Many of the actions are ongoing and form part of other plans and programmes, including the Calderdale Local Flood Risk Management Strategy, the 6-year investment programme and recommendations from the Calderdale Flood Commission Report. Actions which are considered ongoing or 'business as usual actions' with no set deadline for completion have now been placed in Appendix 2. The delivery of these actions will continue to be monitored by the Calderdale Flood Partnership.


All members of the partnership continue to be committed to its delivery and want an action plan that is available to everyone and which sets out a clear vision to inspire and encourage communities and organisations to work together to reduce the impact of future flooding.

A summary document of the original 2016 action plan can be found on www.gov.uk. Quarterly reports on how we are progressing on this plan are published on the 'Eye on Calderdale' website. For further information and if you have any comments on the Calderdale flood action plan please email enquiries@environment-agency.gov.uk.

Please note: All appendices are available online at 'Eye on Calderdale'. The original number of the action in the plan is shown alongside the number in this version of the plan.

✓ means that an action has been completed since June 2017. Actions completed before June 2017 are shown in Appendix 3.

¹ The Environmental Assessment of Plans and Programmes Regulations 2004 (SEA) regulations do not apply to this plan, as it does not fall under the definition of 'plans and programmes'. However, we will ensure an appropriate level of environmental assessment will be undertaken for any actions where there is potential to damage the environment. Some actions will require further investigation and assessment under specific legislation, for example Habitats Regulations Assessment (HRA). The need for HRAs will be determined on a project by project basis.

Where you see this icon  it means that the action will deliver wider benefits for people and wildlife in addition to reducing the risk of flooding. The following partnerships are delivering work to support this action plan:

Aire and Calder Catchment Partnership: a wide range of partners representing this large and varied catchment including local authorities, Environment Agency, Yorkshire Water and other statutory organisations, in addition to Yorkshire Wildlife Trust, Groundwork and other Non-Governmental Organisations.

Clough Woodland Project Partners: Environment Agency, Forestry Commission, Natural England, National Trust, Peak District National Park Authority, RSPB, Severn Trent Water, Woodland Trust, National Farmers Union.

Moors for the Future/ MoorLIFE: a partnership between the National Trust, Peak District National Park Authority, RSPB, Natural England, Yorkshire Water, Environment Agency, Forestry Commission, National Farmers Union.

SOURCE Partnership: a partnership between Treesresponsibility, Calder and Colne Rivers Trust, Upper Calderdale Wildlife Group, Calder Future, Slow the Flow Calderdale, Sticks and Stones, Facilitation Fund, Calderdale Metropolitan Borough Council, Environment Agency, Pennine Prospects, National Trust, Yorkshire Water and the White Rose Forest.

South Pennines Local Nature Partnership: Pennine Prospects achieved Local Nature Partnership status for the South Pennines in 2012. For more information, visit: www.pennineprospects.co.uk/local/what-is-a-local-nature-partnership.

West Yorkshire Local Resilience Forum: The aim of the West Yorkshire Resilience Forum is to co-ordinate the actions and arrangements between responding services in the area to provide the most effective and efficient response to civil emergencies when they occur. The forum includes: Bradford Metropolitan Council, Calderdale Council, Dept. of Communities and Local Government, Environment Agency, Kirklees Council, Leeds City Council, The Highways Agency, the Met Office, NHS England, Northern Powergrid, Public Health England, Wakefield Metropolitan District Council, West Yorkshire Fire and Rescue Service, West Yorkshire Police, Yorkshire Ambulance Service, Yorkshire Water, The Military, Representatives of Voluntary Organisations.

White Rose Forest Partnership: A Leeds City region-wide urban forestry and green infrastructure partnership. Kirklees Council (Accountable body), The National Trust, Trees for Cities, Treesresponsibility, Community Forest Trust, the Aire Rivers Trust, Colne Valley Tree Society, Barnsley Metropolitan Council, Groundwork North Yorkshire, Harrogate Borough Council, Craven District Council, Calderdale Council, Bradford Council, Bradford Environmental Action Trust, British Trust for Conservation Volunteers, Natural England, Leeds City Council, Groundwork – Leeds, Woodland Trust, Forestry Commission, Wakefield Council, RSPB, Sustrans, Yorkshire Wildlife Trust.

Yorkshire West Local Nature Partnership: takes the strategic lead on natural environmental issues across West Yorkshire and the Leeds City Region and includes the five West Yorkshire local authorities.



Strengthening defences

Actions in this theme are about understanding the issues and developing programmes of work to reduce flooding from rivers and surface water.

Work is underway to plan and construct flood alleviation schemes in locations including Mytholmroyd, Hebden Bridge and Brighouse.

The Environment Agency and Yorkshire Water are working together to develop proposals to utilise reservoirs to help reduce the risk of flooding. The Canal & River Trust is studying how the canal can be used to store flood water, and also to identify where towpaths need to be raised to prevent flooding.

Yorkshire Water is reviewing and improving their sewer network where flooding has occurred in the past. Several investigations have been completed and work is ongoing to secure funding. Calderdale Metropolitan Borough Council is investigating and reducing the risk of flooding from smaller watercourses, investigating new sites for further flood risk reduction schemes, encouraging the implementation of more sustainable drainage and producing surface water management plans.



| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| Understanding the issues and developing responses | | | | | |
| 1 | 51/2016 | Introduce the Community Infrastructure Levy in Calderdale, which will allow for potential use on flood risk mitigation schemes. | End of 2019 | Calderdale Metropolitan Borough Council | |
| 2 | 8/2016 | The Environment Agency will submit a flood management programme on behalf of the Calderdale Flood Partnership for the endorsement of the Regional Flood and Coastal Committee. The programme will be based on evidence of risk and impact and include flood risk reduction schemes and capital maintenance projects. The programme will be refreshed annually. | Complete since June 2017, (also ongoing) ✓ | Environment Agency | Calderdale Metropolitan Borough Council Yorkshire Water |



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| 3 | 9/2016 | Compile a detailed register of all flood risk assets, including all potential flood defences, high risk culverts, watercourses, highway drains and other drainage assets, structures and locations. (Links to action 67 [64/2016]). | Ongoing to end of 2018 | Calderdale Metropolitan Borough Council | Yorkshire Water Environment Agency |
| 4 | 10/2016 | Carry out further investigations into the level of risk of flooding from groundwater, ordinary watercourses and surface water across Calderdale. | End of 2021 | Calderdale Metropolitan Borough Council | Environment Agency |
| 5 | New | Investigate, develop and deliver flood risk reduction schemes, in addition to those in FRRS 1 and FRRS 2 programmes, identified through a review in 2018 of flood investigations at sites across Calderdale. | 2021 onwards | Calderdale Metropolitan Borough Council | Environment Agency Yorkshire Water |
| 6 | 19/2016 | Carry out a study to upgrade the existing culvert and reduce the risk of flooding to downstream properties at Stoodley Grange/Lee Bottom Road. | 2021 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 7 | 20/2016 | Carry out a study of and improvements to the Swineshead Clough reservoir to reduce the risk of flooding from the nearby watercourse. | End of 2023 | Calderdale Metropolitan Borough Council | Environment Agency |
| 8 | 21/2016 | Investigate the condition, location and capacity of the culverted watercourse on the steep hillside at Willowfield Estate to reduce the risk of flooding to nearby houses. | 2021 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 9 | 22/2016 | Update existing surface water management plans using information from studies on the existing drainage system to identify where there is not enough capacity. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | Yorkshire Water |


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| 10 | 23/2016 | Identify joint schemes to reduce the risk of flooding by better understanding the links between surface water and sewer networks. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | Environment Agency Yorkshire Water Network Rail |
| 11 | 25/2016 | Work with partners to investigate the feasibility of measures to reduce sewer flooding in Todmorden. | Complete since June 2017 ✓ | Yorkshire Water | Environment Agency Calderdale Metropolitan Borough Council |
| 12 | 26/2016 | Work with partners to investigate the feasibility of measures to reduce sewer flooding in Brighouse. | Complete since June 2017 ✓ | Yorkshire Water | Environment Agency Calderdale Metropolitan Borough Council |
| 13 | 29/2016 | Investigate feasibility of measures to solve flooding in properties on Rochdale Road, Walsden. | Complete since June 2017 ✓ | Yorkshire Water | |
| 14 | 30/2016 | Investigate feasibility of measures to solve flooding in properties on Oldham Road, Ripponden. | To be confirmed | Yorkshire Water | |
| 15 | 32/2016 | Investigate feasibility of measures to solve flooding in properties on Armytage Road, Brighouse. | Complete since June 2017 ✓ | Yorkshire Water | |
| 16 | 34/2016 | Investigate feasibility of measures to solve flooding in properties on Prospect Place, Norwood Green, Halifax. | Complete since June 2017 ✓ | Yorkshire Water | |
| 17 | 35/2016 | Investigate feasibility of measures to improve free discharge from combined sewer overflow to reduce flooding at Old Bridge Inn, Ripponden. | Complete since June 2017 ✓ | Yorkshire Water | |

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| 18 | 70/2016 | Identify and review historical water infrastructure such as old mill ponds, water tanks, dams, land drains, to understand whether they can be reused to reduce flood risk. | Ongoing to March 2021 | Environment Agency | Yorkshire Water Calderdale Metropolitan Borough Council |
| 19 | 157/2016 | Complete regional study to understand the impacts of using water supply assets to reduce flooding (flood attenuation). | Complete since June 2017 ✓ | Yorkshire Water | Environment Agency |
| 20 | 158/2016 | Evaluate the options and costs of works required at the Hebden group of reservoirs in order to utilise them to reduce the risk of flooding. | Ongoing to end of 2018. | Environment Agency | Yorkshire Water |
| 21 | 158/2016 | Work to agree operational principles for using the Hebden group of reservoirs to reduce the risk of flooding whilst also balancing other critical needs including water resources and reservoir safety. | Ongoing to end of 2018 | Environment Agency/Yorkshire Water | |
| 22 | 158/2016 | If cost beneficial and practicable, seek to agree programme for implementation of works required at Hebden group of reservoirs to reduce the risk of flooding. | Ongoing to end of 2019 | Yorkshire Water | Environment Agency |
| 23 | 159/2016 | Build a drainage area plan model for Luddenden Foot drainage area zonation. Carry out a full hydraulic and serviceability assessment of foul, combined and surface water network to understand the risk of flooding to the network under a range of conditions. | Complete since June 2017 ✓ | Yorkshire Water | |
| 24 | 160/2016 | Build a drainage area plan model for Sowerby Bridge drainage area zonation. Carry out a full hydraulic and serviceability assessment of foul, combined and surface water network to understand the risk of flooding to the network under a range of conditions. | Complete since June 2017 ✓ | Yorkshire Water | |


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| 25 | 161/2016 | Build a drainage area plan model for Elland drainage area zonation. Carry out a full hydraulic and serviceability assessment of foul, combined and surface water network to understand the risk of flooding to the network under a range of conditions. | Complete since June 2017 ✓ | Yorkshire Water | |
| 26 | 162/2016 | Build a drainage area plan model for Hebden Bridge drainage area zonation. Carry out a full hydraulic and serviceability assessment of foul, combined and surface water network to understand the risk of flooding to the network under a range of conditions. | Complete since June 2017 ✓ | Yorkshire Water | |
| 27 | 164/2016 | Investigate the lowering of canal pounds, and determine if they could be used to store flood water. | Ongoing to end of 2018 | Canal & River Trust | |
| 28 | 165/2016 | Study the impact and possibility of using canals to protect against flooding, considering navigational safety (boating customers), water resource losses, damage to canal infrastructure, and the wider network. | Ongoing to end of 2018 | Canal & River Trust | |
| 29 | 167/2016  | Review and map past flood data and information to identify the most significant issues on the canal system, to inform and help prioritise alleviation or mitigation actions on the canal system where cost beneficial. | Ongoing to end of 2018 | Canal & River Trust | |
| Delivering flood alleviation schemes | | | | | |
| 30 | 5/2016  | Develop and deliver a flood alleviation scheme for Brighouse | Ongoing to end of 2020 | Environment Agency | Calderdale Metropolitan Borough Council Yorkshire Water |
| 31 | 1/2016  | Develop and deliver a flood alleviation scheme for Mytholmroyd. | Ongoing to end of 2019 | Environment Agency | Calderdale Metropolitan Borough Council |

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| 32 | 2/2016  | Develop and deliver a flood alleviation scheme for Hebden Bridge. | Ongoing to end of 2020 | Environment Agency | Calderdale Metropolitan Borough Council |
| 33 | 3/2016  | Develop and deliver, where feasible, flood risk management work as part of the first phase of the flood risk reduction schemes at: Pin Hill Lane, Midgley Burnt Acres Wood, Callis Bridge Park Road, Elland Woodland View, Eastwood Shop Lock, Todmorden Nutclough, Hebden Bridge Bacup Rd., Todmorden | Ongoing to 2019/20 | Environment Agency | Calderdale Metropolitan Borough Council |
| 34 | 6/2016 | Carry out improvements to access and telemetry at Hebble Brook screen to prevent blockage of screen and potential flooding. | End of 2018 | Calderdale Metropolitan Borough Council | Environment Agency |
| 35 | 11/2016 | Work with partners to inspect and carry out work to address any structural defects in the Hebble Brook culvert. | End of 2021 | Environment Agency | |
| 36 | 12/2016 | Assess, design and carry out improvements to Cragg Road culvert. | 2021 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 37 | 13/2016 | Repair the Harley Wood bypass channel that is currently in a poor condition. | 2022 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 38 | 15/2016 | Carry out a feasibility study to remove or raise the Kingfisher Chase, Sowerby footbridge that prevents water flowing in times of high floods. | 2022 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |

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| 39 | 4/2016  | Develop and deliver (if feasible) flood risk management works at the following locations, as part of the Flood Risk Reduction Schemes Phase 2 (Group A): 1. Shaw Wood Rd., Todmorden 2. Calderside, Hebden Bridge 3. Machpelah screen, Hebden Bridge 4. Copley Village | Ongoing to March 2021 | Environment Agency | Calderdale Metropolitan Borough Council Yorkshire Water Network Rail Canal and River Trust |
| 40 | 4/2016  | Develop and deliver (if feasible) flood risk management works at the following locations, as part of the Flood Risk Reduction Schemes Phase 2 (Group A): 1. Rossendale View/Harvelin Park 2. Railes Close, Midgely 3. Cottonstones | Ongoing to April 2020 | Calderdale Metropolitan Borough Council | Environment Agency Yorkshire Water Canal and River Trust |
| 41 | 4/2016  | Develop and deliver (if feasible) flood risk management works at the following locations, as part of the Flood Risk Reduction Schemes Phase 2 (Group B): 1. Walsden 2. Cross Stone Rd, Todmorden 3. Oak Hill Clough, Todmorden 4. Commercial St., Todmorden 5. Calder-Ryburn, Sowerby Bridge 6. Lower Bank House, Barkisland 7. Dean Clough, Halifax 8. Luddenden Brook | Ongoing to March 2024 | Environment Agency | Calderdale Metropolitan Borough Council Yorkshire Water Network Rail Canal and River Trust |

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| 42 | 16/2016  | Remove the weir at Lobb Mill to reduce flood levels to reduce the risk of flooding in Todmorden. | 2024 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 43 | 17/2016 | Carry out a study of and improvements to the Shoebroad Clough reservoir to reduce the risk of flooding from the nearby watercourse. | 2021 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 44 | 18/2016 | Improve the culvert to reduce the risk of flooding at Smithy Lane, Colden. | 2021 - onwards | Calderdale Metropolitan Borough Council | Environment Agency |
| 45 | 43/2017 | Removal of land drain to solve flooding in properties at West Street, Brighouse. (Follow- on from action 33/2016) | Complete since June 2017  | Yorkshire Water | |
| 46 | 37/2016 | Investigate the feasibility of automating the radial gate at Turvin Clough. This would mean the gate could be opened automatically in the event of a flood warning, diverting floodwater away from Turvin Clough, helping to protect properties on Cragg Brook and in Mytholmroyd. | Complete since June 2017  | Yorkshire Water | |
| 47 | 44/2016 | Investigate the feasibility of using low risk areas to manage highway flooding from overland flows in a sustainable manner. | End of 2018 | Calderdale Metropolitan Borough Council | Environment Agency |

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| 48 | 45/2016  | Develop further planning guidance that encourages sustainable drainage systems in areas with critical drainage problems, and reduces run-off in line with greenfield sites. | End of 2018 | Calderdale Metropolitan Borough Council | Yorkshire Water |
| 49 | 50/2017  | Create physical demonstration interventions in high profile locations, to showcase and encourage uptake of the principles detailed in the 'You Can Slow The Flow' project. Opportunities to be investigated and developed in 2018-19 include: Further promotion using case studies documented through the online resource, including Hebden Bridge Town Hall demonstration; Working with Neighbourhood Development Plans to promote SUDS; Supporting ideas for new urban SUDS sites as they arise and promoting as 'You Can Slow The Flow' case studies on completion - expressions of interest include Gibson Mill and Flood Wardens' stores. | Ongoing to end of 2019 | Slow The Flow: Calderdale (SOURCE Partnership) | SOURCE Partners |
| 50 | 51/2017 | Develop clear online information to enable anyone to identify highway issues (in particular around drainage) which affect flooding. | End of 2019 | Calderdale Metropolitan Borough Council | |
| 51 | 52/2017 | Change management of drainage gullies to minimise blockage and silting issues; including improved data on condition of drainage gullies to enable smarter, tailored management based on silting levels. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | |
| 52 | 53/2017 | Bid for funding to replace existing drainage gulley lids with improved designs. | Complete since June 2017  | Calderdale Metropolitan Borough Council | |

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| 53 | 54/2017 | Work to enable reporting on online maps regarding location of drainage gulley issues. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | |
| 54 | 91/2016 | Carry out structural lining of a sewer in Savile Park Mills and Moorfield Street in Halifax, reducing the risk of flooding in the area. | Complete since June 2017 ✓ | Yorkshire Water | |
| 55 | 60/2017 | Work with stakeholders and communities to create a plan for deploying temporary defences at key locations as part of the CMBC Emergency Procedures Plan. | Ongoing until end of 2019 | Calderdale Metropolitan Borough Council | |
| 56 | New | Following on from investigations to reduce sewer flooding, and depending on PR19 Final Determination, work to secure funding to deliver identified options, in Todmorden, Brighouse and Ripponden. | Ongoing to March 2025 | Yorkshire Water | Calderdale Metropolitan Borough Council Environment Agency |
| 57 | 87/2016  | Deliver a communications and engagement campaign to raise awareness amongst landowners and communities of the roles and responsibilities of managing and maintaining watercourses along with flood risk assets as riparian owners. | March 2019 then ongoing | Calderdale Metropolitan Borough Council | Yorkshire Water Environment Agency |



Natural flood management



Actions in this theme are divided into four main areas of activity with the aim of managing the landscape to slow the flow of water.

- *Understanding the relationships between catchment management and flooding.*
- *Promoting and delivering Natural Flood Management (NFM) techniques which can contribute to flood mitigation and alleviation in the valley bottom.*
- *Engaging with catchment landowners and land managers to contribute to Natural Flood Management solutions.*
- *Influencing government policy (related to NFM and catchment management) and regulation to secure necessary flood related interventions.*

Actions include temporarily storing water, planting trees or changing the way farmland and moorland is managed so that it absorbs more water. An Environment Agency guide has been created by Moors for the Future for landowners to help them design and implement natural flood management measures such as leaky dams, tree planting or alternative stock management.





Agri-environment schemes will help support flood management, and SOURCE partners have developed a grant scheme which was launched by Calderdale Metropolitan Council and the Environment Agency in 2018 to help more farmers and land managers undertake natural flood management projects. Third sector partners – the National Trust, Treesponsibility and Slow the Flow continue to lead the delivery of NFM interventions in the Upper Calder Valley. Yorkshire Water has also secured funding for a high-profile project at Gorphey reservoir. Local and regional groups such as Calder Future continue to support statutory organisations with river stewardship and combatting invasive plants.




Calderdale Metropolitan Borough Council and the Environment Agency are reviewing all our NFM modelling work and have developed proposals with university partners to support our understanding of current catchment management in Calderdale. The Environment Agency have also launched a national evidence base – ‘Working with Natural Processes’ including maps identifying opportunities for NFM across the catchment.




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| Understanding catchment management and flood relationships | | | | | |
| 58 | 61/2017 | Collate and evaluate what is known about the connections between land management and flooding in general, and specifically in relation to the Calder catchment, including a gap analysis to advise further research where appropriate, to help inform strategic priorities for Natural Flood Management and ensure affected communities can better understand that relationship. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | Leeds University - ICASP Environment Agency |
| 59 | 63/2016  | Coordinate the production of natural flood management opportunity maps to show places where the risk of flooding could potentially be reduced through NFM techniques, and multiple benefits to people and the environment realised. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | Leeds University - ICASP |
| 60 | 68/2016  | Carry out modelling to identify communities and properties where natural flood management measures could potentially reduce the risk of flooding. | Ongoing to end of 2019 | Environment Agency | Calderdale Metropolitan Borough Council, Leeds University - ICASP |
| 61 | 71/2016 | Model the risk of rural highway flooding and resulting impacts. Identify ways of using NFM solutions where practical, for modelled critical flood risk areas (rural highways). | Ongoing to end of 2018 | Calderdale Metropolitan Borough Council | |
| 62 | 72/2016 | Investigate/model the impacts of boundary features to manage water flow pathways and attenuating flows to identify and understand any opportunities to reduce flood risk. Specifically looking at: blocking features in water channels; hedges/walls/gates on the land. | Ongoing to end of 2019 | Calderdale Metropolitan Borough Council | Leeds University - ICASP Environment Agency |
| 63 | New | Set up an open source to encourage partners to share NFM data and reports. | March 2019 then ongoing | Calderdale Metropolitan Borough Council | |






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| 64 | New | Collate and analyse NFM monitoring data collected through various modelling and partner projects. Identify effective NFM interventions and gaps in data monitoring. | Ongoing to March 2019 | Environment Agency | |
| 65 | New | Research the connection between NFM measures delivering overland flow interception on steep slopes and landslides. | To be confirmed | Calderdale Metropolitan Borough Council | Environment Agency Leeds University |





Promotion and delivery of NFM techniques


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| 66 | 50/2016  | Develop a funding strategy for the Calderdale Natural Flood Management programme, ensuring linkages are made to the Leeds City Region Green Infrastructure Investment Plan and other local, regional and national funding strategies. | Ongoing to end of 2018 | Calderdale Metropolitan Borough Council Environment Agency | Natural Flood Management Operational Group |
| 67 | 64/2016  | List natural flood management structures on an asset register and produce a natural flood management asset map of the catchment. (Links to action 3 [9/2016]). | Ongoing to March 2019 | Natural Flood Management Operational Group | Calderdale Metropolitan Borough Council Environment Agency Slow the Flow |
| 68 | 66/2016  | Produce a map of land use to inform potential locations for natural flood management. | Complete since June 2017  | Environment Agency | |

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| 69 | 48/2016  | Produce a tree and woodland management strategy for Calderdale which will include strategic actions for the creation and management of woodlands (created by all relevant partners) for natural flood management. | Ongoing to spring 2019 | Calderdale Metropolitan Borough Council | The National Trust, Forestry Commission, Woodland Trust, Treesresponsibility, Pennine Prospects, Yorkshire Water, Slow the Flow, South Pennine Facilitation Fund, White Rose Forest |
| 70 | 74/2016  | Secure GIS data and license to establish existing tree canopy cover in Calderdale as base line to help set targets for tree planting as part of the Leeds City Region wide White Rose Forest Plan. | Ongoing to January 2019 | White Rose Forest Partnership | |
| 71 | 65/2016  | Use geographical information systems and partnership analysis of Yorkshire Water owned-land across the region to find the best areas to create woodland and carry out natural flood management. | Complete since June 2017  | Yorkshire Water | White Rose Forest, Environment Agency, Calderdale Metropolitan Borough Council, Woodland Trust, Forestry Commission |
| 72 | 77/2017  | Complete tree planting at Hardcastle Craggs and plant 50,000 trees in Upper Calder catchment by the end of 2018. | Ongoing to March 2019 | Treesresponsibility | Woodland Trust, White Rose Forest, Moors for the Future |

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| 73 | 49/2016  | <p>Production of revised Clough Woodland Project Guiding Principles to support the following activities across the South Pennine Moors National Character Area:</p> <ul style="list-style-type: none"> • Appropriate (careful and considered) design of landscape scale native broadleaved woodland creation schemes, to deliver benefits to reduce downstream flood risk, stabilise eroding soils, improve water quality and enhance biodiversity. • Gaining consent from Natural England under the Habitat Regulations, to ensure woodland creation does not have a detrimental impact on the interest features of designated/protected areas. | Ongoing to end of 2018 | Moors for the Future Partnership | Clough Woodland Project Partners Calderdale Metropolitan Borough Council SOURCE Partnership White Rose Forest South Pennines Local Nature Partners |
| 74 | 76/2016  | Work to address soil erosion and landslide stabilisation in Upper Calder Catchment: Treating landslips with fascines; Removing Himalayan balsam; Removing/thinning shallow rooted beech trees to encourage woodland understorey. | Ongoing to end of 2020 | Treesponsibility (SOURCE Partnership) | National Trust Facilitation Fund Sticks and Stones Calder Future Calderdale Metropolitan Borough Council |
| 75 | 81/2017  | Deliver physical NFM interventions to slow the flow and contribute to reducing downstream flood risk in high priority sub catchments, particularly at Hebden Water, Walsden, Calder from Source, Cragg Vale. Develop demonstration sites at multiple locations including Hardcastle Craggs and Gorpley. | Ongoing to end of 2020 | Treesponsibility (SOURCE Partnership) | Environment Agency Calderdale Metropolitan Borough Council Slow the Flow National Trust EGG Consultants Cragg Vale Business Park |

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| 76 | 78/2016  | Carry out a project to create plate weirs, woody debris and leaky dams on sites within and adjacent to Crimsworth Dean Beck, Hardcastle Craggs and Hebden Water to reduce flood water and flood peak. | Ongoing to end of 2021 | National Trust | Slow the Flow Natural England Environment Agency Calderdale Metropolitan Borough Council Yorkshire Water Various private landowners |
| 77 | 52/2016  | Investigate how heather cutting, as a preferred management technique, could be introduced into future land management agreements. Produce clear guidance for partners on basis of best practice. | Ongoing to June 2020 | Natural England | |
| 78 | 79/2016  | Through the support of MoorLIFE 2020, identify priority blanket bog restoration areas and appropriate techniques within the South Pennine Moors Special Area of Conservation located in the Upper Calder Valley. | Ongoing to end of 2020 | Moors For The Future | Pennine Prospects Yorkshire Wildlife Trust Natural England Environment Agency Yorkshire Water Moorland Association National Trust |
| 79 | 83/2016  | Improve Clifton Beck as part of the Clifton Beck Diffuse Pollution Project to also reduce the risk of flooding through: Creating buffer zone strips, planting trees and plants on river banks, restricting livestock access to the beck and removing invasive non-native plants. | End of 2021 | Yorkshire Wildlife Trust | Environment Agency Calder & Colne Rivers Trust Riverfly Landowners |
| 80 | 80/2016  | Create wetland habitat and wet woodland, linked to environmental education work at Brearley Fields, Myholmroyd. | 2021 | Calderdale Metropolitan Borough Council | Canal and Rivers Trust Environment Agency Calder & Colne Rivers Trust Yorkshire Wildlife Trust |


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| 81 | 84/2016  | Develop a long-term, evidence based strategy for managing invasive plant species. The strategy will identify the damage caused, ways of managing both invasive species and the soil, and how we will fund and carry out this work. | Ongoing to end of March 2019 | Yorkshire Wildlife Trust and Yorkshire Invasive Species Forum | Calderdale Metropolitan Borough Council Environment Agency Riparian owners Calder Future Calder Valley Clean-up Team Treesponsibility River Stewardship Company Yorkshire Water Canal & River Trust |
| 82 | 85/2016  | Prepare an evidence based channel maintenance programme (to include vegetation, gravel, silt and debris) that has been developed with the community and which allocates activity between the Environment Agency and other (including voluntary sector) providers. | Ongoing to January 2019 | Environment Agency | Riparian owners Community organisations Calder Future Calder Valley Clean-up Team Calderdale Metropolitan Borough Council Treesponsibility |
| 83 | 89/2016  | Investigate with local groups carrying out river stewardship work where access to river channels needs to be improved to enable community led maintenance. | Complete since June 2017  | Environment Agency | Calderdale Metropolitan Borough Council Canal & River Trust Landowners Calder Future Calder Valley Clean-up team |
| 84 | New | Promotion of monitoring protocol for all new projects: ICASP development of monitoring protocol building on existing DEFRA NFM protocol. | December 2018 then ongoing | Calderdale Metropolitan Borough Council | Environment Agency Leeds University -ICASP |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
|----------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| 85 | New  | Scope a clough woodland project to increase the extent of woodland at Hardcastle Crags to several Yorkshire Water sites in the Calder Valley. To be achieved by working with a range of partner organisations and private landowners. | Ongoing to end of 2020 | National Trust | Woodland Trust, Treesresponsibility, White Rose Forest, Yorkshire Water, South Pennines Facilitation Group, Pennine Prospects |

Engagement of landowners and land managers

| | | | | | |
|----|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 86 | 54/2016  | The Calderdale Catchment plan will draw from the research projects into the learning identified across the 4 Pioneer projects. These should identify insights in terms of working with natural capital and partnership working, recognising the intrinsic value of the environment across the health and economy agendas and helping to achieve environmental outcomes for local communities through broader collaboration. | Ongoing to 2020 | Environment Agency | |
| 87 | 57/2016  | Develop a plan to coordinate the engagement of landowners and land managers, (across the Calderdale Flood Partnership), to support landowners and land managers in identifying and implementing a range of natural flood management measures; and publicise the extent of engagement. | Ongoing to March 2019 | Calderdale Metropolitan Borough Council | South Pennines Facilitation Fund, Moors for the Future Yorkshire Wildlife Trust Treesresponsibility Slow the Flow Natural England Pennine Prospects Environment Agency Canal & Rivers Trust |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| 88 | 58/2016  | Create natural flood management guidance, specific to Calderdale, for farmers, landowners and other practitioners similar to that being produced in the Dales National Park. | Complete since June 2017  | Natural Flood Management Operational Group | Environment Agency Yorkshire Dales National Park White Rose Forest Aire & Calder Catchment Partnership Natural England Leeds City Region Natural Flood Management Operations Group |
| 89 | 59/2016  | Through the Countryside Stewardship Scheme and the South Pennine Facilitation Fund, encourage more farmers in specific areas to carry out and maintain natural flood management for the 2018 application year. | Ongoing to end of 2018 | Natural England | Yorkshire landowners Environment Agency Calderdale Metropolitan Borough Council |
| 90 | 62/2016  | Work with landowners/occupiers to progressively review the three existing burning consents and agreements as part of the consideration for the long-term management requirements for the restoration of blanket bog. | 2019 onwards | Natural England | Yorkshire Water Private Landowners |
| Policy and adequate regulation | | | | | |
| 91 | 56/2016  | Undertake habitat regulations assessment of all emerging Local Plan policies and proposals prior to publication of the plan in the autumn of 2017. | Complete since June 2017  | Calderdale Metropolitan Borough Council | Natural England Environment Agency |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| 92 | New  | <p>Seek funding for and conduct an ecological data review of target NFM catchments with outputs to include ecological maps, the identification of gaps in survey data and recommendations for survey priorities and techniques, to ensure known areas of ecological importance are not compromised by NFM interventions.</p> <p>Seek funding for and implement a prioritised programme of ecological surveys in target NFM catchments to identify any unknown sites of existing ecological importance.</p> | <p>February 2019</p> <p>November 2020</p> | Calderdale Metropolitan Borough Council | |




Resilient Infrastructure



This plan details actions to increase the resilience of infrastructure, such as sewer systems, electricity substations and transport routes, to flooding.




Following the Boxing Day 2015 floods, action was taken by the Environment Agency, Calderdale Metropolitan Borough Council, Yorkshire Water, Northern Power Grid and Canal & River Trust to repair and strengthen infrastructure to ensure it is operational for future floods. We will continue to review the flood risk of roads, railways, water and power supplies that are locally critical, and we will take action, where appropriate, to protect them and maintain them so that they remain in good working order.

A number of actions in this theme address how partners ensure maintenance of all critical infrastructure and the assets which protect them, this includes facilitating better information sharing with the wider community.

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| Energy | | | | | |
| 93 | 107/2017 | Recover (remove the equipment) from the following sites Hebble End 2243, HX7 6AT, Mayroyd 641, HX7 6AT, Calder Mill 196, HX7 5NA, Market Street 633, HX7 6AT, Cheetham St 1827, HX7 8EJ to new sites at Bridge Lanes and Hollins Place. | End of 2020 | Northern Power Grid | |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| 94 | 40/2016 | Relocate current power substations at: Calder House Mill 1225, HX7 5QF Scout Road 864, HX7 5DU Der Street Mills 1145, OL14 5QT; Gauxholme 383, OL14 7PD. | End of 2018 End of 2017 End of 2022 | Northern Power Grid | |
| 95 | 41/2016 | Improve resilience of power substations at Walton St 775, HX6 1AN, Lock Hill Mill 577 HX6 2LA. | End of 2018 | Northern Power Grid | |
| Transport | | | | | |
| 96 | 104/2016 | Design and delivery of scheme to manage railway-related flood risk (surface water) at three sites east of Luddendenfoot. | Ongoing to March 2019 | Network Rail | Environment Agency |
| 97 | 114/2017 | Develop programme and secure funding to improve the resilience of the main highway routes in Calderdale, in particular the A646 in the Upper Calder Valley. (Links to actions 31 [1/2016]; 32 [2/2016]; 51 [52/2017]) | Ongoing to Summer 2019 | Calderdale Metropolitan Borough Council | Environment Agency Department for Transport |
| 98 | 96/2016  | Repair and maintain rights of way to prevent them from flooding and becoming eroded. | Complete since June 2017  | Calderdale Metropolitan Borough Council | Local Access Forum Pennine Prospects Canal & River Trust CROWS |
| Water and wastewater | | | | | |
| 99 | 28/2016 | Replace storm pumps and control panel at Elland Lowfield sewage pumping station. | Ongoing to end of 2019 | Yorkshire Water | |
| 100 | 36/2016 | Investigate the feasibility of repairing abutments of reservoir overflow crest bridge at Baitings. | Complete since June 2017  | Yorkshire Water | |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| 101 | 166/2016 | Ensure relevant water control assets on the Rochdale Canal have been updated and proportionate maintenance plans are in place. | Complete since June 2017 ✓ | Canal & River Trust | |
| 102 | 168/2016  | Review feeder arrangements for the Rochdale Canal, to identify where improvements could be made, taking into account heritage and environmental factors. | Ongoing to mid-2020 | Canal & River Trust | |
| 103 | 126/2017 | As part of the preparation of their first National Flood Risk Management Strategy in 2017, the Canal & River Trust will use experiences and lessons learnt on the Rochdale Canal, from the December 2015 floods, to inform and influence national approaches and policy development in relation to flood risk management. The creation of the Strategy will also present relevant outputs to feed into the Calderdale Flood Action Plan work, particularly actions 27, 28, 29 [164,165,167/2016] and action 101 [166/2016]. | Ongoing to end of 2018 | Canal & River Trust | |
| General Infrastructure | | | | | |
| 104 | 127/2017 | Complete outstanding Calderdale highways recovery work, subject to funding, including work or repairs to damaged bridges – collapsed bridges, scour damage, repairs to inverts; landslips, and repairs to a culvert, a wall and drainage. | Ongoing to August 2019 | Calderdale Metropolitan Borough Council | |
| 105 | 42/2016  | Find information on landslips that have occurred in the past and investigate the possibility of them happening again. | Ongoing to end of 2018 | Calderdale Metropolitan Borough Council | |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| 106 | New  | Carry out temporary stabilisation on landslips, where ongoing risks have been identified, and where required develop capital schemes to deliver long term solutions. | Ongoing to end of 2020 | Calderdale Metropolitan Borough Council | |
| 107 | 95/2016 | Identify and model the impact of flooding and damage to critical assets such as silt traps, gullies and screens to inform inspections and maintenance. | Complete since June 2017 (also ongoing)  | Calderdale Metropolitan Borough Council | Public to report blockages |
| 108 | 86/2016 | Host an annual maintenance meeting to discuss and review the planned maintenance work of Calderdale Metropolitan Borough Council, Environment Agency and Canal & River Trust. Involve local community representatives to promote a joined up approach and increase community involvement. | Spring 2019 | Calderdale Metropolitan Borough Council | Local community representative Calder Future Calder Valley Clean-up Team Canal & River Trust |
| 109 | 88/2016 | Support communities to share knowledge of how to report maintenance issues and requirements, who to report to and the roles, remits and responsibilities of organisations. | Complete since June 2017  | Calderdale Metropolitan Borough Council | Canal & River Trust Environment Agency |
| 110 | New | Develop maintenance plans for critical flood resilient infrastructure identified in the Calderdale Metropolitan Borough Council Flood Asset Register. | End of April 2020 | Calderdale Metropolitan Borough Council | Environment Agency |



Community resilience

Actions in this theme are about making sure that people and property are as resilient as they can be when facing the perils of floods and what might follow, by taking actions ahead of time to help life get back to normal as quickly as possible. It includes people signing up to flood warnings, developing a community action plan or making alterations to their home or business so flood water causes less damage.

Effective warnings are vital, and since December 2015 many more people have signed up to get flood warnings and Calderdale Metropolitan Borough Council working with partners have carried out an annual emergency planning exercise. The Environment Agency and Calderdale Metropolitan Borough Council continue to investigate and develop new methods to warn communities in areas where river levels rise quickly and continue to engage with schools, nurseries, care homes, and other groups of vulnerable people who need to have emergency plans in place.

Partners have established a network for community flood action groups to share learning and ideas and set up a database of volunteers who can help out during and after a flood. More than sixty volunteer flood wardens are active in nine groups down the Calder valley.

Calderdale Metropolitan Borough Council have investigated the potential for mobile banking services and pop-up shops such as chemists, post office and groceries. The Council have paid out grants of more than £6 million to householders and £2.6 million to businesses who were affected by flooding. We need to do more to ensure residents in private rented homes also know how to improve their flood resilience.

Calderdale Metropolitan Borough Council has completed strategic flood risk assessments to inform local spatial plans so that new development is located and designed to keep people safe during a flood.

A key message to remember in terms of resilience is that it begins with the individual, the householder, the business. When floods occur, the roads flood, emergency services have trouble getting to us and we are thrown onto our own resources. We need to make these as good as we can. The best person to understand your risk and what you can do about it, is you. Look at your home, think about flooding and what steps you can take to limit the impact of these events. Think about what you need to do if alarms sound, and be prepared. Think about your neighbours, if they may need help in times of crisis, and talk to them.

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| Preparedness | | | | | |
| 111 | 109/2016 | Link willing shops to the local flood hubs so they can be used in the event of a future flood, work to ensure coverage is robust and exploring provision of other local amenities. | Ongoing to March 2019 | Calderdale Metropolitan Borough Council | Banks and local business NHS/ Health emergency planning Adult health and social care team Staying Well |
| 112 | 106/2016 | Improve communications with public transport operators to enable them to better plan adjustments to their services and to issue travel warnings. | March 2019 | Calderdale Metropolitan Borough Council | Environment Agency West Yorkshire Combined Authority |
| 113 | 111/2016 | Work with schools across Calderdale to provide evacuation and invacuation training to support school emergency plans. | Ongoing to summer 2019 | Calderdale Metropolitan Borough Council | Environment Agency |
| 114 | 114/2016 | Produce and maintain a database of volunteers willing to offer support and help in response to flood events and ongoing public education and awareness of flooding. | Complete since June 2017 (also ongoing) ✓ | Calderdale Metropolitan Borough Council | Local Resilience Forum Community Resilience Operations Group Town Parish councils |
| 115 | 117/2016 | Ongoing updates to key household information for households at risk of flooding, provided on laminated cards and fridge magnets, as and when contact information changes. | Complete since June 2017 (also ongoing) ✓ | Calderdale Metropolitan Borough Council | Community Resilience Operations Group Public Health Infection Prevention & Control Team |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
|----------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------|----------------------------------------------------------------------------------|
| 116 | 118/2016 | Carry out a questionnaire to find out how many properties are still without flood risk insurance cover and promote Flood Re insurance scheme to qualifying households. | End of September 2018 | Calderdale Metropolitan Borough Council | |
| 117 | 121/2016 | Issue and delivery of work through business' resilience grants to be completed; Business team also making linkages through business advice and practices for flood preparation. | Complete since June 2017 ✓ | Calderdale Metropolitan Borough Council | |
| 118 | 122/2016 | Establish and implement a communications and marketing plan around preparedness and behaviour change for the three target sectors of owner occupiers, private tenants and private landlords (and letting agents); with a specific focus on improving and updating content for the 'Eye on Calderdale' website. Messages also required on maintenance, servicing and repair of flood resistance works such as pumps, flood doors, barriers, air vent covers etc. | November 2018 | Calderdale Metropolitan Borough Council | |
| 119 | 126/2016 | Target schools at high risk to raise awareness of flooding with students and staff to develop knowledge and skills and to keep safe during flooding. | Ongoing to September 2020 | Environment Agency | Calderdale Metropolitan Borough Council Community Resilience Operations Group |
| 120 | 128/2016 | Review initiatives carried out under the Joseph Rowntree Foundation Kindliness initiative locally and nationally, identify best practice and what would support community resilience in flooding. | Complete since June 2017 ✓ | Calderdale Metropolitan Borough Council | Community Resilience Operations Group |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
|----------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------|--------------------|
| 121 | 130/2016 | Completion of Level 2 work of Strategic Flood Risk Assessments, to inform the Local Plan policies and land allocation. | Complete since June 2017 ✓ | Calderdale Metropolitan Borough Council | Environment Agency |
| 122 | 132/2016 | Develop and maintain a portfolio of case studies from owner occupiers, private landlords and private tenants linking in to social media and press releases to communicate key messages around flood resilience, resistance works and behavioural change. Use case studies in communication and marketing campaign across various channels of internet, social media, etc. | To be confirmed | Calderdale Metropolitan Borough Council | |

Warnings

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|-----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|---------------------------------------|
| 123 | 168/2017 | Review delivery of Calderdale Metropolitan Borough Council actions resulting from the Council S19 report (lead local authority requirement following major flood event) on the winter 2015 floods; future S19 reviews will be incorporated into the learning and Council actions resulting from any other Calderdale floods. | Ongoing to March 2019 | Calderdale Metropolitan Borough Council | |
| 124 | 135/2016 | Work with Google to use Environment Agency data from the Environment Agency flood warning system to enable greater visibility of flood warnings and to alert those at flood risk based on their location. (National action) | Ongoing to end of 2018 | Environment Agency | Google |
| 125 | 137/2016 | Help communities at high risk of flash flooding to install their own methods of monitoring weather and river conditions and triggering alerting systems. | Ongoing to end of 2018 | Slow the Flow | Community Resilience Operations Group |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
|----------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------|
| 126 | 140/2016 | Agreements being developed with mobile phone companies to enable recruitment of customers to the flood warning system through an opt-out approach. (National action) | Ongoing to Winter 2018/2019 | Environment Agency | Community Resilience Operations Group O2 Other mobile phone companies |
| 127 | 141/2016 | Support and, where needed, provide training to professional partners, including flood groups, on using social media to raise awareness of the risk of flooding, flood warnings and how to be better prepared for flooding. | Complete since June 2017  | Environment Agency | Calderdale Metropolitan Borough Council |
| 128 | 144/2016 | Provide more online forecasts, including communicating the probabilities of flooding and flash flooding, measuring river levels and showing forecast river level up to 36 hours in advance. | Complete since June 2017  | Environment Agency | Community Resilience Operations Group |
| 129 | 145/2016 | Investigate how we can integrate risks from groundwater flooding into our existing flood warning service, and help local councils reach those people at risk of flooding from local sources. | Complete since June 2017  | Environment Agency | Calderdale Metropolitan Borough Council Community Resilience Operations Group |
| 130 | 147/2016 | Investigate producing maps (preferably in real time) that show roads affected by and impassable due to flood water and make them available including the use of social media. | Ongoing to March 2019 | Calderdale Metropolitan Borough Council | |
| 131 | 106/2016 | Installation of variable message signing at key decision points across Calderdale's major highway network to warn drivers of closures and incidents. | Spring 2019 and ongoing | Calderdale Metropolitan Borough Council | |

| 2018 Action No | Original Ref No/ Year | What we're going to do | When we will do it by | Who's leading | Who's supporting |
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| Recovery | | | | | |
| 132 | 149/2016 | Review and communicate how flood recovery grants were allocated in 2015 to 2016. Consider any policy modifications to promote take up. | September 2019 | Calderdale Metropolitan Borough Council | |
| 133 | 190/2017 | Delivery of mental health support, information and advice to improve health and well-being of Todmorden residents. | Ongoing to May 2019 | Healthy Minds | Community Foundation for Calderdale |
| 134 | New | Development and delivery of mental health support, information and advice to improve health and well-being and resilience of Calder valley residents vulnerable to or affected by flooding. | Ongoing to Spring 2021 | Community Foundation for Calderdale | Healthy Minds |

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