

Preliminary flood risk assessment review

Self-assessment form

January 2017

This self-assessment form is provided to enable each lead local flood authority (LLFA) in England to complete the first review of its preliminary assessment report and identification of flood risk areas (FRAs), as required by the Flood Risk Regulations (2009).

Who should complete this self-assessment?

Every LLFA in England should complete parts A, C and D of the self-assessment form and submit it, with the additional information requested in sections C3 and C4, to the appropriate Environment Agency Partnership and Strategic Overview team no later than 22 June 2017.

All LLFAs should read the guidance document 'Preliminary flood risk assessment review: guidance for lead local flood authorities in England' before completing the self-assessment form.

| Part A - LLFA contact information | |
|---|---|
| Name of LLFA | Sheffield City Council |
| Name of LLFA officer submitting the assessment | James Fletcher |
| Job title | Flood and Water Manager |
| Telephone number | 0114 2735847 |
| Email address | James.fletcher@sheffield.gov.uk |
| Name of LLFA officer approving the assessment | Steve Robinson |
| Job title | Head of Service - Highway Maintenance |
| Date submitted to Environment Agency | 21st June 2017 |
| Link to PFRA report 2011 | http://webarchive.nationalarchives.gov.uk/20140328084622/http://www.environment-agency.gov.uk/research/planning/135526.aspx |

Part B - to be completed by the Environment Agency

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|--|--|
| Name of Environment Agency officer receiving the completed assessment | |
| Job title | |
| Date assessment received from LLFA | |

| | |
|---|--|
| Date assessment agreed with LLFA | |
|---|--|

Part C - LLFA self-assessment

| PFRA report section | Activity for PFRA/FRA review | Yes/No | Summary description | Actions planned in response |
|--------------------------------------|--|--------|---|--|
| 1. Governance and partnership | <p>1.1 Since publication of the PFRA in 2011, have there been any changes to, or creation of new, risk management authorities (RMAs) with responsibilities in the LLFA area?</p> | No | Not applicable | Not applicable |
| | <p>1.2 Are all roles and responsibilities for collecting and recording flood risk data and information clearly defined, including the respective roles and responsibilities of upper and lower tier authorities and other RMAs where relevant?</p> | Yes | <p>1. Sheffield Multi Agency Flood Group - Quarterly strategic and operational meetings held with Yorkshire Water.</p> <p>2. Sheffield Highways Flood Group - Monthly meetings held with the Highway Authority and strategic highways partner, Amey</p> <p>3. Protecting Sheffield from Flooding capital programme -</p> <p>Sheffield Strong Economy Programme Board.</p> <p>Sheffield Flood and Water Management Programme Board</p> <p>Regular meetings with the Environment Agency held regarding the 'Protecting Sheffield from Flooding' programme of schemes.</p> | <p>1. Continue regular engagement with Yorkshire Water in line with the terms of reference for the Sheffield Multi Agency Flood Group.</p> <p>2. Continue regular engagement with the Highway Authority and strategic partner Amey in line with the terms of reference for the Sheffield Highways Flooding Group.</p> <p>3. Implement new multi-agency protocol for the sharing and collation of highway and sewer flooding information.</p> <p>4. Protecting Sheffield from Flooding Capital Programme.</p> <ul style="list-style-type: none"> - implement improved governance structure and arrangements - implement monthly programme board meetings. |

| PFRA report section | Activity for PFRA/FRA review | Yes/No | Summary description | Actions planned in response |
|--|--|---|---|---|
| <p>2. Data systems and management</p> | <p>2.1 Do you have an up to date record of relevant sources of flood risk data and information for the LLFA area, including those held by other organisations?</p> | <p>Yes</p> | <p>1. Up-to-date hydraulic modelling, flood risk baseline mapping and watercourse surveys developed as part of the Protecting Sheffield from flooding capital investment programme. 2. Key ordinary watercourse flood risk data - survey information, hydraulic models and flood risk maps developed for 43 ordinary watercourse catchments assessed as presenting the highest risk to the city. 3. Flooding hotspots data on Sheffield's roads developed and maintained by the Highways strategic partner, Arney. 3. Sheffield sewerage hydraulic model - Yorkshire Water. 3. Registers of sewer flooding locations - Yorkshire Water.</p> | <p>Latest surveys, hydraulic modelling, flood risk mapping and flood risk data supporting evidence base for :</p> <ol style="list-style-type: none"> 1. Protecting Sheffield from Flooding capital programme; 2. Highways drainage improvement sites schemes programme. 3. Sheffield Local Plan 4. Sheffield Emergency Flood Plan 5. Yorkshire Water sewerage AMP and periodic programme review. |
| <p>2.2 Have sources of 'locally agreed surface water information' been established and maintained for the LLFA area and agreed with relevant partners?</p> | <p>Yes</p> | <p>1. Strategic ordinary watercourses - LLFA/EA 2. Highway flooding hotspots - LLFA/HAuth 3. Sewerage DG5/risk registers - LLFA/YW</p> | <p>As above.</p> | |
| <p>2.3 Are systems in place to collect, record and share data and information for the purpose of assessing flood risk in the LLFA area?</p> | <p>Yes</p> | <p>1. Multi-agency protocol for the sharing and collation of sewer and highway flooding. 2. SCC FWM asset register and GIS data recording systems.</p> | <ol style="list-style-type: none"> 1. Continued implementation of systems to future flood events 2. Continued development of Sheffield emergency flood plan. 2. Supporting evidence to further capital | |

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|--|------------------------------|--------|---|---|
| | | | 3. Highway flooding - priority rating system. | schemes. |
| 2.4 Are systems in place to assure the quality and security of data and information recorded for the purpose of assessing flood risk in the LLFA area? | Yes | Yes | Governance structure and arrangements - 1. Sheffield multi-agency flood group - SCC, Yorkshire Water, Highway authority strategic partner, Amey, South Yorkshire Police. 2. Highways flooding group - SCC/ Amey. | Implementation of governance arrangements and regular group meetings. |
| 2.5 Do you understand the condition and performance of the public, third party and private assets in your register in terms of flood risk? | Yes | Yes | 1. Comprehensive key ordinary watercourse survey programme undertaken 2015 to 2017. 2. Key watercourse catchment models. 3. Highway drainage surveys and asset improvement programme - Sheffield Streets Ahead contract - core investment period - 2012 to 2019. 4. Yorkshire Water Sheffield sewerage hydraulic model and surveys | 1. Development and implementation of ordinary watercourse maintenance and survey framework. 2. Maintenance of Sheffield flood and drainage asset register. 3. Yorkshire Water sewerage strategic development plan for Sheffield |
| 3. Past floods since Dec 2011 (only) Information on past floods since 2011 is required for reporting to the European Commission | Yes | Yes | Refer Annex 1 - Sheffield PFRA 2017 Review. | Not applicable |

| PFRA report section | Activity for PFRA/FRA review | Yes/No | Summary description | Actions planned in response |
|--|--|--------|---|---|
| | 3.2 Has your current understanding of significant flood risk in the LLFA area changed as a result of the consequences of floods that have occurred since 2011? How? | No | Not applicable | Not applicable |
| 4. Future flood information Information on future floods is required for reporting to the European Commission | 4.1 Have you created or received new information on potential future floods that has added to or changed your understanding of significant flood risk in the LLFA area since publication of your original PFRA report in 2011? | Yes | Refer Annex 2 - Sheffield PFRA Review 2017. | Not applicable |
| | 4.2 Have you created or received new information to improve the understanding of the future impact of climate change on flood risk in the LLFA area? | Yes | Adapting to Climate Change: Advice for Flood and Coastal Erosion Risk Management Authorities published by the Environment Agency. | EA advice on climate change supports: 1. The Sheffield flood protection capital programme of schemes (2015 to 2021); 2. The Sheffield Local Plan revision 2018 |
| | 4.3 Have you created or received new information on long term developments to improve your understanding of flood risk in the LLFA area? | Yes | 1. Sheffield Housing Land Allocations Assessment. 2. Sheffield strategic housing site details. 3. Sheffield Local Plan Review - development site allocations. | Information used in supporting evidence for : 1. Sheffield flood and drainage capital investment programmes. 2. Development of sustainable flood and water management policies and strategies for inclusion in Sheffield Local Plan Review 2017-2018. |
| | 4.4 Has your understanding of flood risk in the LLFA area changed since 2011 as a result of | No | Not applicable | Not applicable |

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|--|---|--------|--|--|
| | new information on the potential consequences of future floods, the impact of climate change or long term developments? How? | | | |
| 5. Identification of Flood Risk Areas for 2nd planning cycle | 5.1 Are the indicative FRAs an appropriate representation of significant surface water flood risk in your LLFA area? | No | Not applicable | Not applicable |
| Identified FRAs are required for reporting to the European Commission | 5.2 Do the consequences of flooding from other local sources , ie groundwater or ordinary watercourses, or from combined multiple sources , indicate any other areas of significant risk? | Yes | Key ordinary watercourses. | Sheffield key ordinary watercourse flood risk maps |
| | 5.3 Has your PFRA review identified any other information which indicates other areas of significant risk? | Yes | Risk of flooding from 48 number key ordinary watercourses. | As above |
| | 5.4 On the basis of the national evidence provided and your review, do you agree with the indicative FRAs for your area? | No | Refer Annex 3 - Sheffield PFRA Review 2017 | |
| | 5.5 On the basis of local evidence and your review, are you amending or identifying any additional FRAs for your area? | Yes | Refer Annex 3 - Sheffield PFRA Review 2017 | |

| PFRA report section | Activity for PFRA/FRA review | Yes/No | Summary description | Actions planned in response |
|--|---|------------|--------------------------------|-----------------------------|
| <p>6. Updating the original preliminary assessment report using the template addendum (see also Part D)</p> <p>Updates are required for reporting to the European Commission</p> | <p>6.1 Have you completed an addendum to update your preliminary assessment report?</p> | <p>Yes</p> | <p>Refer addendum template</p> | |

customer service line
03708 506 506

www.gov.uk/environment-agency

incident hotline
0800 80 70 60

floodline
0345 988 1188

Part D Template for addendum to update the original Preliminary Flood Risk Assessment report

ADDENDUM

Update to the preliminary flood risk assessment report for Sheffield City Council

The preliminary flood risk assessment (PFRA) and flood risk areas (FRAs) for Sheffield City Council were reviewed during 2017, using all relevant current flood risk data and information, and agreed with the Environment Agency on 1 December 2017.

Changes to the assessment of risk since the preliminary assessment report was published in 2011 are described in the statements in this addendum.

The annexes to the preliminary assessment report have been reviewed and updated to show relevant new information since 2011

Past flood risk

The understanding of past flood risk has not changed.

Future flood risk

Future flood risk is revised due to the development of flood risk maps relating to key ordinary watercourses.

Flood risk areas (FRAs)

The following FRAs have been identified for the purposes of the Flood Risk Regulations (2009) 2nd planning cycle -

Sheffield Key Ordinary Watercourses.

Other changes

No applicable

