

Ground floor apartment
50 Market Street
Milnsbridge
Huddersfield

Flood Warning & Evacuation Plan

Individual or Small Scale (<10) Development
November 2021



How to Use This Template

This template has been designed to provide an appropriate and proportionate means of flood risk assurance and compliance with current planning regulations.

The template should be made available and completed by the householder whenever the need for a Flood Warning & Evacuation Plan (FWEP) is a condition of the planning application.

Document Control

This plan is owned, maintained and updated by the householder; whether or not the template was provided by or on behalf of the developer.

It is recommended that the plan is reviewed:

- On first occupation;
- Every 3 years thereafter;
- As a result of lessons learnt;
- Following change of ownership or modification of the premises; or
- Following change to the Flood Warning process.

As far as it can ascertain, acknowledges that this Flood Warning & Evacuation Plan (FWEP) template is suitable for the purposes set out within the national Planning Policy Framework. This FWEP plan is however the sole responsibility of the householder.

Consultants cannot accept responsibility for any omission or error contained in any such plan, or for loss, damage, or inconvenience, which may result from the plans' implementation. Any subsequent approval does not impute any approval of the plans from the Environment Agency or any of the emergency services.

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Introduction

Property Development company

You are required to provide a copy of this template to property owners and to encourage them to complete the Flood Warning & Evacuation Plan; providing necessary supporting material that should include everything under Flood Risk below.

Homeowner

If you are the applicant, completion of this template will be a condition of the application. In all cases homeowners are encouraged to complete a FWEP as soon as possible after occupation.

Objectives

The objectives of this plan are:

- To encourage residents to sign up to [Flood Warnings Direct](#) and [Weather Warnings](#);
- To ensure homeowners are aware of any residual flood risk;
- That preventative measures are identified to further reduce risk;
- To ensure that occupants receive the necessary flood warnings;
- That occupants respond to flood warnings appropriately; and
- That occupants establish procedures to effect a timely evacuation and place of refuge.

Flood Risk

Developing a flood response plan is predicated on an understanding of the historical and residual risk, this can be obtained from:

- Historical Flood data (sources of risk), can be obtained from;
 - The developer
 - Environment Agency
 - Local Authority
- A Flood Risk map (no smaller than A4), this can be obtained from;
 - The developer
 - Environment Agency
- Estimated Flood Depth; and frequency / probability; and
- Soft measures to mitigate flood risk.

All of this information can be captured using the template at Annex A.

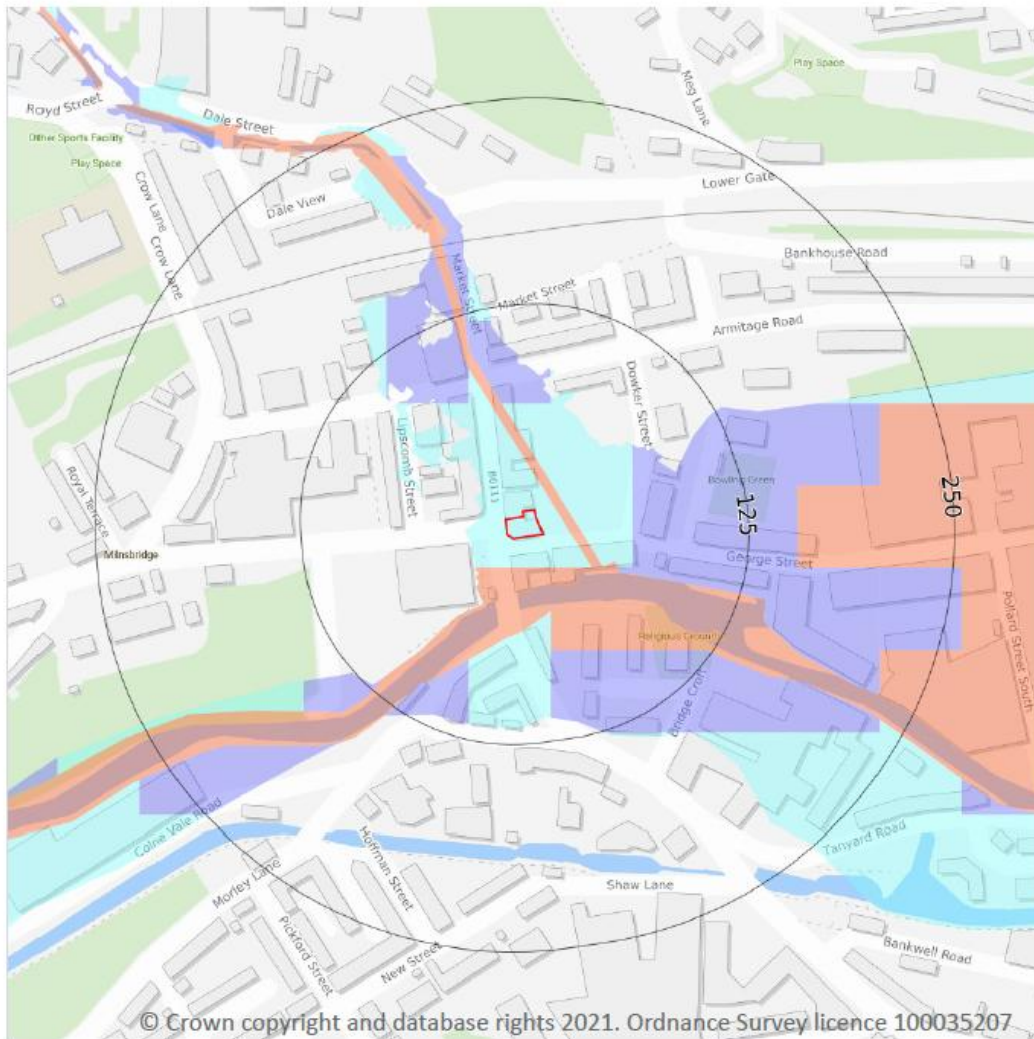
Annex A - Flood Risk Exposure Excerpts and courtesy from Geoenviron flood risk data

Historical Flood Data: (Attach Flood Risk Map as Appendix 1 to Annex A). The site is located within Flood Zone 2 (Medium Probability), which means it is defined as land having at least a 1:100 annual probability of fluvial flooding, or at least a 1:200 annual probability of tidal flooding			
Flood Risk Source:	Warning Systems in Place (Flood Warnings Direct etc.)	Estimated Flood Depth	Frequency / Probability
Fluvial			
Tidal	Approximately 10m northeast of the site is the Longwood Brook. 36m to the South is the River Colne. This river is not influenced by normal tidal action and are described as containing water all year round.		
Ground Water	No information has been provided to suggest that the site is susceptible to groundwater flooding.		
Surface Water	The EA Surface Water Flood Map suggests that the site lies within an area of "High" risk of flooding from surface water.		
Other:			

Appendix 1 to Annex A – Flood Risk Map with some excerpts and courtesy from Geoenviron flood risk maps have been added



8 River and coastal flooding



— Site Outline

Search buffers in metres (m)

Environment Agency river and coastal flooding:

High

Medium

Low

Very Low

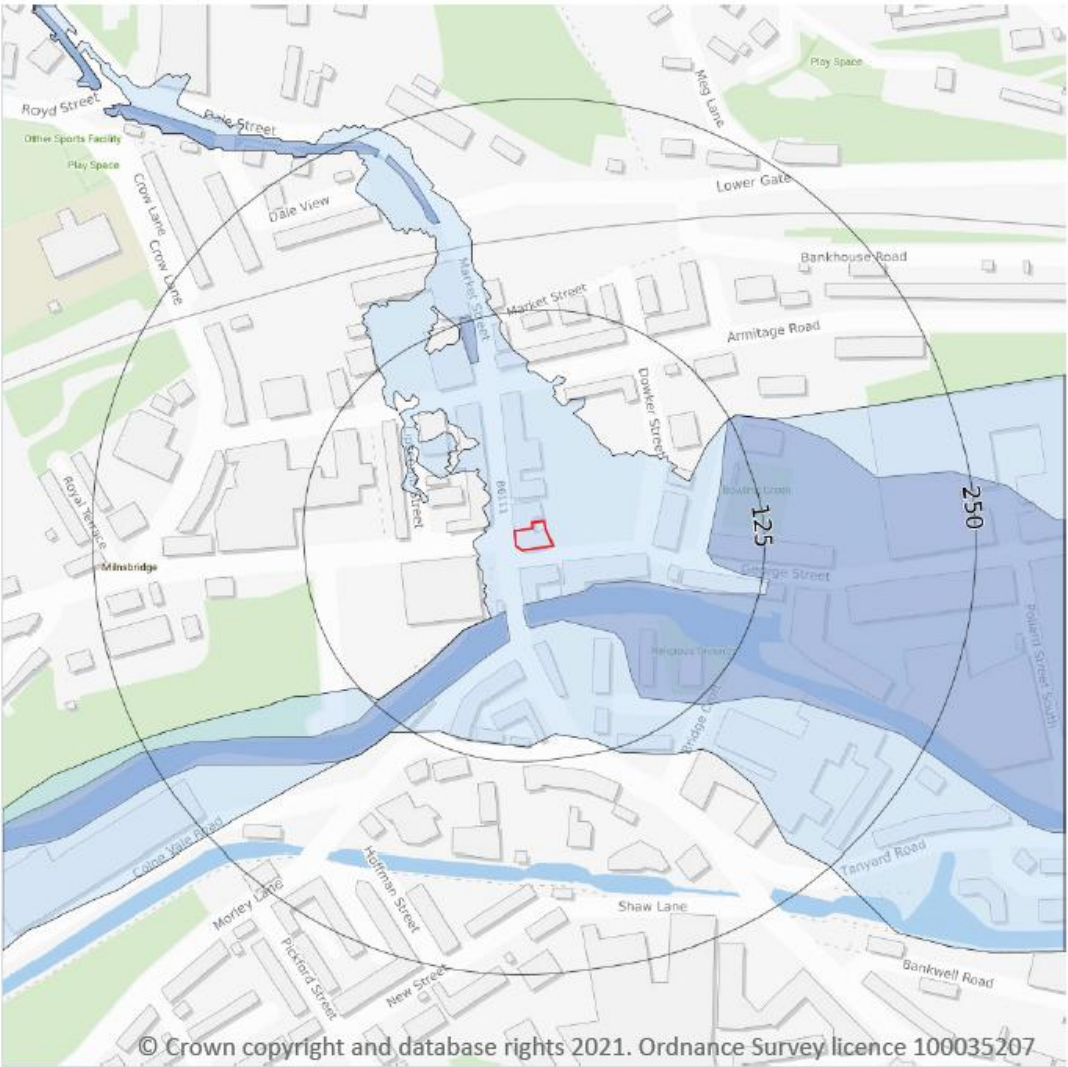
Historical Flood Events

Areas Used for Flood Storage

Areas Benefiting from Flood Defences

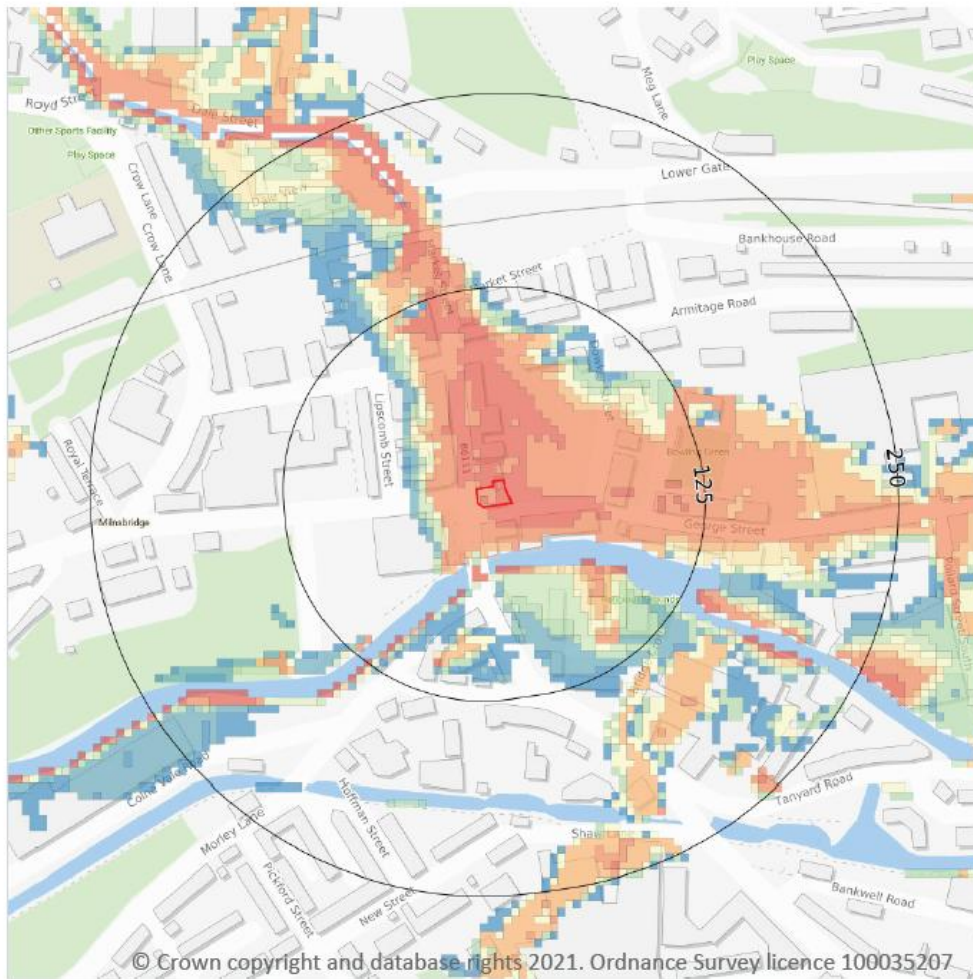
— Flood Defences

River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

9 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

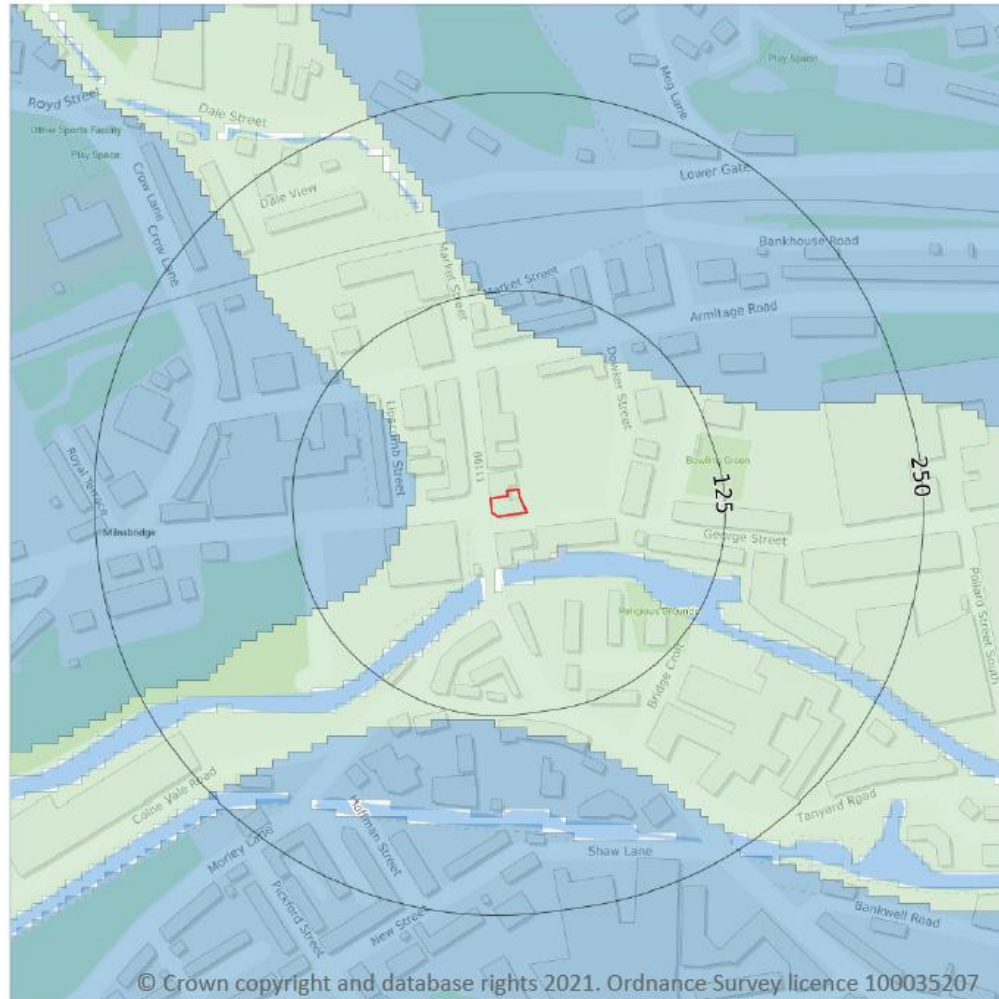
1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

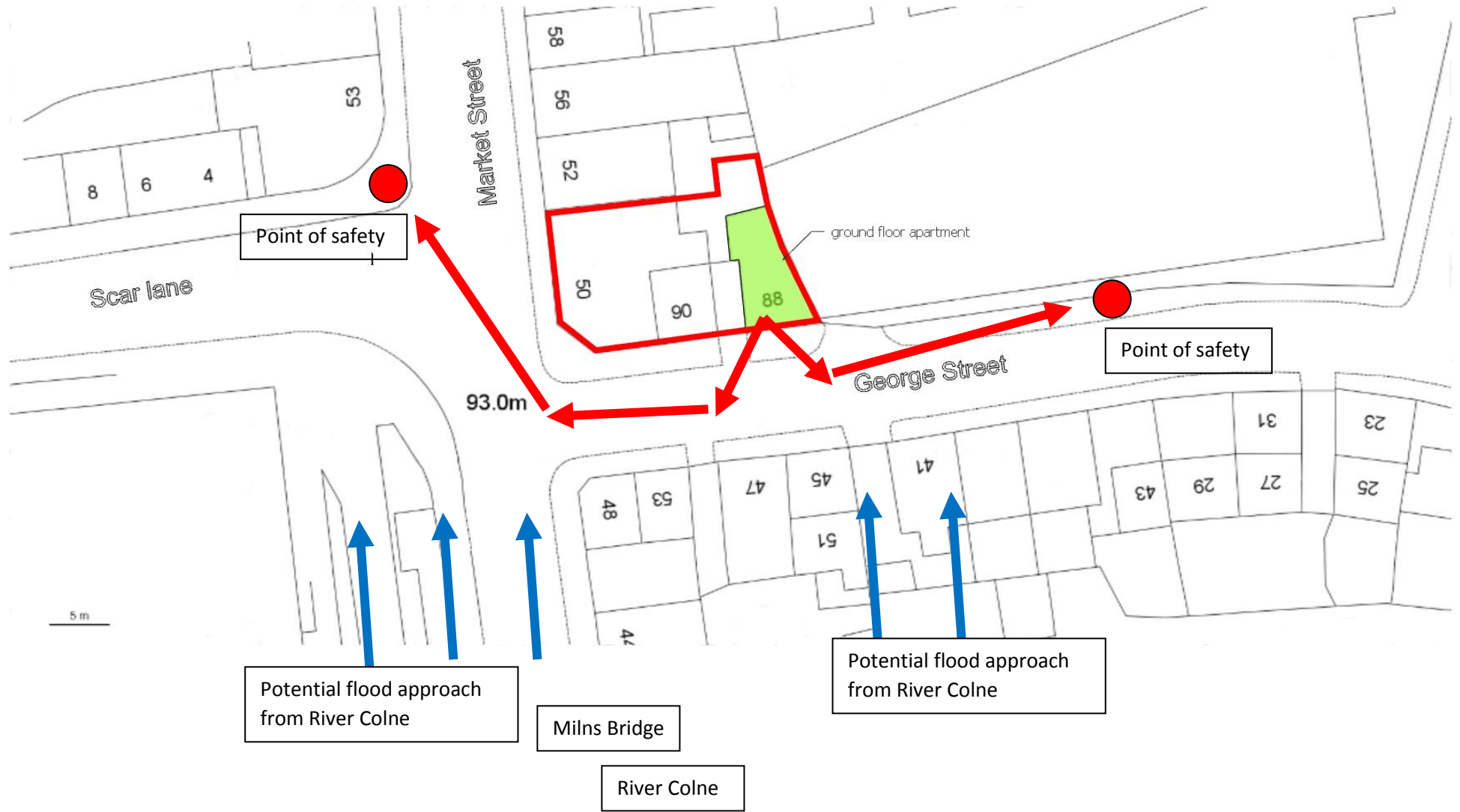
10 Groundwater flooding



— Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible



Evacuation

The decision to evacuate or take shelter in your property is ultimately for you to make having due regard to the advice/warnings and instructions of the emergency services. Where possible you should make arrangements with family or friends for shelter.

The decision to evacuate must be made to allow sufficient time to conduct the evacuation before flooding occurs. Flood waters contain hidden dangers and will impede if not prevent a safe evacuation.

Where evacuation is not a feasible option, or has been delayed, you should move to the upper floor of the property; taking with you any important documents, bottled water, essential medicines and food sufficient to support you until rescue (see information related to [Grab Bags](#)).

You should not assume that the emergency services will be able to assist you with the evacuation; their focus will be directed to those in greatest need.

Warning & informing

Having signed up to Flood Warnings Direct with the Environment Agency and Weather Warnings from the Meteorological Office, you should utilise Annex B to record your prescribed actions in relation to the flood alert levels.

Annex B provides the means to record your planned actions in relation to the flood alert levels. Alternatively you may wish to make an [emergency plan](#) for your home.

Community & Household Resilience

The successful implementation of any plan is dependent on all occupants being familiar with its content and to have rehearsed, where possible, the procedures contained within it. Rehearsing the plan can be made fun and educational for younger members of the family.

Resilience is achieved when individuals and communities cooperate to prepare for, respond to and recovery from emergencies. This begins with engagement with neighbours, understanding your community and culminates in a collective approach to management of risk.




You are encouraged to explore and consider joining Community Resilience West Yorkshire.

Recovery

If your home is subjected to flooding, and you have evacuated, you may not be allowed to return to your home until it has been declared safe to do so. Your insurance company will provide further guidance and support.

In the event that you did not evacuate it is possible that you will now be encouraged to do so, insurance companies may insist upon it in order to ensure your protection and to effect necessary repairs.

Annex B – Flood Warning Activation Procedures

Warnings		EA Recommended Actions	Household Actions
 <p>FLOOD ALERT</p>	<p>What it means: Flooding is possible. Be prepared.</p> <p>When it's used: Two hours to two days in advance of flooding.</p>	<p>Be prepared to act on your FWEP. Prepare a flood kit of essential items.</p> <p>Monitor local water levels and the flood forecast on our website.</p>	<p>Floodline Telephone: 0345 988 1188 Textphone: 0345 602 6340 24-hour service</p> <p>https://www.gov.uk/sign-up-for-flood-warnings</p>
 <p>FLOOD WARNING</p>	<p>What it means: Flooding is expected. Immediate action required.</p> <p>When it's used: ½ an hour to one day in advance of flooding.</p>	<p>Move family, pets and valuables to a safe place.</p> <p>Turn off gas, electricity and water supplies if safe to do so.</p> <p>Put flood protection equipment in place.</p>	<p>Since it is only a ground floor apartment, move all family, pets and valuables to a safe place and prepare to be ready to evacuate.</p> <p>No gas supply as all appliances are to be electrically operated</p>
 <p>SEVERE FLOOD WARNING</p>	<p>What it means: Severe flooding. Danger to life.</p> <p>When it's used: When flooding poses a significant threat to life.</p>	<p>Stay in a safe place with a means of escape.</p> <p>Be ready should you need to evacuate from your home.</p> <p>Co-operate with the emergency services. Call 999 if you are in immediate danger.</p>	<p>Since ground floor apartment, the windows can be used as a secondary means of escape.</p>
<p>EA Flood Warnings No longer in force</p>	<p>What it means: No further flooding is currently expected in your area.</p> <p>When it's used: When river or sea conditions begin to return to normal.</p>	<p>Be careful. Flood water may still be around for several days.</p> <p>If you've been flooded, ring your insurance company as soon as possible.</p>	
<p>Meteorological Office Weather Warnings</p>	<p>Warnings of heavy rainfall.</p> <p>Warnings of severe winter weather e.g. hail, snow, freezing rain.</p>	<p>Consider the impact of this type of weather – e.g. this could lead to surface water flooding, ground water flooding, increased river and sea levels.</p>	

SIGN UP TO FLOOD WARNINGS DIRECT

Additional Guidance

Gov.UK: [Prepare for a Flood](#)

Gov.UK: [Preparing for Emergencies](#)

Environment Agency: [Flood Warnings Direct](#)

Meteorological Office: [Weather Warnings](#)

Kirklees Metropolitan Borough Council:

[Local Planning Authority](#)

[Emergency Management Unit](#)