



Flood Emergency and Evacuation Plan



AEG0948_RH10_Turners Hill_01_Fen
Place

Site Address: Fen Place

Mill East Street

Turners Hill

Crawley

RH10 4QQ

UK Experts in Flood Modelling, Flood Risk
Assessments, and Surface Water Drainage Strategies



Document Issue Record

Project: Flood Emergency and Evacuation Plan

Prepared for: Resident/ Landowner

Reference: AEG0948_RH10_Turners Hill_01_Fen Place

Site Location: Fen Place, Mill East Street, Turners Hill, Crawley, RH10 4QQ

Issue	Date	Author	Check	Auth.	Comments
1	29/04/2026	Daniel Cunningham	JA	NDD	First issue

Please Note:

This report has been prepared for the exclusive use of the commissioning party and may not be reproduced without prior written permission from Aegaea Limited. All work has been carried out within the terms of the brief using all reasonable skill, care, and diligence. No liability is accepted by Aegaea Limited for the accuracy of data or opinions provided by others in the preparation of this report, or for any use of this report other than for the purpose for which it was produced. Where reference has been made to probability events, or risk probability, it does not ensure that there is no risk or that there is no residual risk from an extreme, unlikely, or unforeseen flood event over the lifetime of the development.

Table of Contents

1. Introduction.....	1
Site Overview.....	1
2. Flood Risk Summary.....	3
What is the risk and who is at risk?.....	3
3. Flood Emergency/Evacuation Plan (FEEP)	5
What Flood Warnings will be made available and how will they be triggered?	5
Responsibilities – who is responsible for maintaining the lakes and the warning systems?	5
Preparation for Flood Events.....	5
What to do to prepare/ during flooding	6
Proposed Flood Evacuation Route (where appropriate/ required) or Emergency Procedures	8
4. Summary for Site Occupants and Users	10

1. Introduction

Site Overview

- 1.1. The address of the site is Fen Place, Mill East Street, Turners Hill, Crawley, RH10 4QQ (Figure 1).

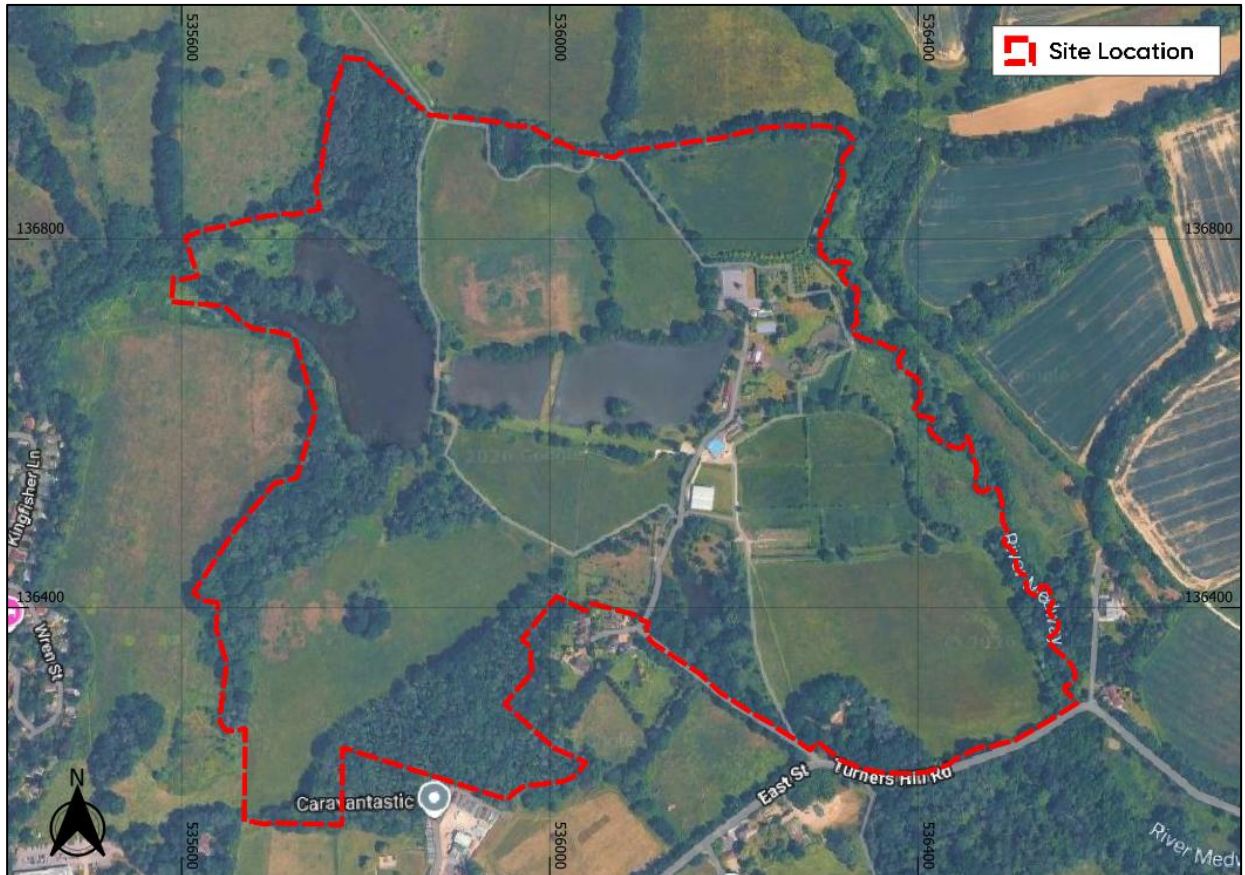


Figure 1: Site Location (Base map from Google Hybrid).

- 1.2. This Flood Emergency/Evacuation Plan (FEEP) has been prepared following the approval of planning permission being granted for three fishing lakes for leisure use on land at Tulleys Farm (Mid Sussex District Council planning ref: DM/21/2136). The permission was varied under DM/25/0858 to enable the construction of the access road ahead of the wider works.
- 1.3. Condition 2 (revised wording under DM/25/0858) states:

2. No development hereby permitted, except for the works to form the revised means of access on to Turners Hill Road for construction works and the associated haul route, shall commence unless and until details of the Flood Emergency and

Evacuation Plan have been submitted to and approved in writing by the local planning authority in conjunction with West Sussex Lead Local Flood Authority. The Flood Emergency and Evacuation Plan shall follow the format set out within the Flood Emergency and Evacuation Plan Framework submitted as part of the planning [application] and cover the lifespan of the development and needs to follow the best practice guidance set out in ADEPT and EA (2019) flood risk emergency plans for new development. In addition, the Flood Emergency and Evacuation Plan shall include evidence of engagement with stakeholders, including the results thereof.

The development shall not be brought into use until all elements of the approved Flood Emergency and Evacuation Plan have been brought into effect. The Flood Emergency and Evacuation Plan shall be reviewed annually (or as agreed as part of the Plan) by individuals with the relevant knowledge, skill, and experience and is to remain in effect for the lifetime of the development.

Reason: To ensure that the development is safe and emergency measures are in place for the lifetime of the development and to comply with policy DP41 of the Mid Sussex District Plan (2014 - 2031)

- 1.4. As such, this FEEP has been produced to address the requirements of Condition 2; and is informed by detailed breach modelling carried out by Aegaea.
- 1.5. A breach event should be mitigated through appropriate design, maintenance, and monitoring that will be undertaken at the lakes. Notwithstanding this, best practice recommends the production of a FEEP, and this has been prepared on this basis.

2. Flood Risk Summary

What is the risk and who is at risk?

- 2.1. Detailed flood modelling has been prepared to show what would occur in the 'residual risk' event of a breach at one or more of the proposed fishing lakes. The modelled effect that a breach would have to Fen Place, Mill East Street, Turners Hill, Crawley, RH10 4QQ has been further discussed below.

What does the breach modelling show for my land?

- 2.2. Based on the detailed flood modelling conducted by Aegaea, the site is affected by a maximum breach flood extent that is presented in Figure 2.

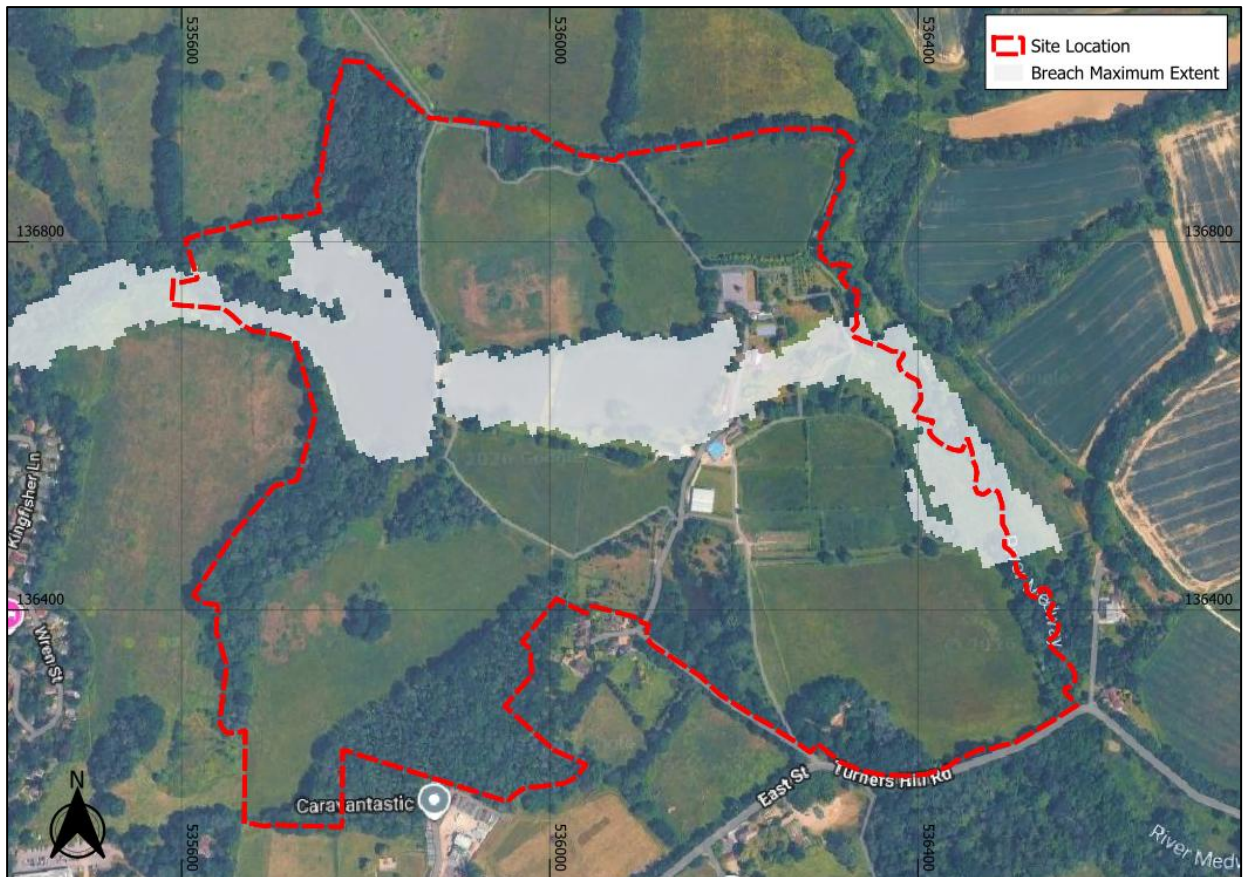


Figure 2: Maximum Modelled Flood Extent (Base map from Google Hybrid and data from Aegaea Modelled Breach Outputs)

What are the flood depths?

- 2.3. Based on the modelled depth mapping, the maximum flood depths at the site are restricted to the centre of the site associated with the lower areas at the watercourse (1.03m) (Figure 3).
- 2.4. The majority of the buildings on site are outside of the flood depth and extent mapping. Two buildings are within the extent (the southern of the two being affected by a depth of 0.32m and the northern building being affected by a depth of 0.18m).
- 2.5. The flood depth mapping shows a different outline to the previous extent mapping due to it filtering out depths below 0.01m, which are considered negligible.

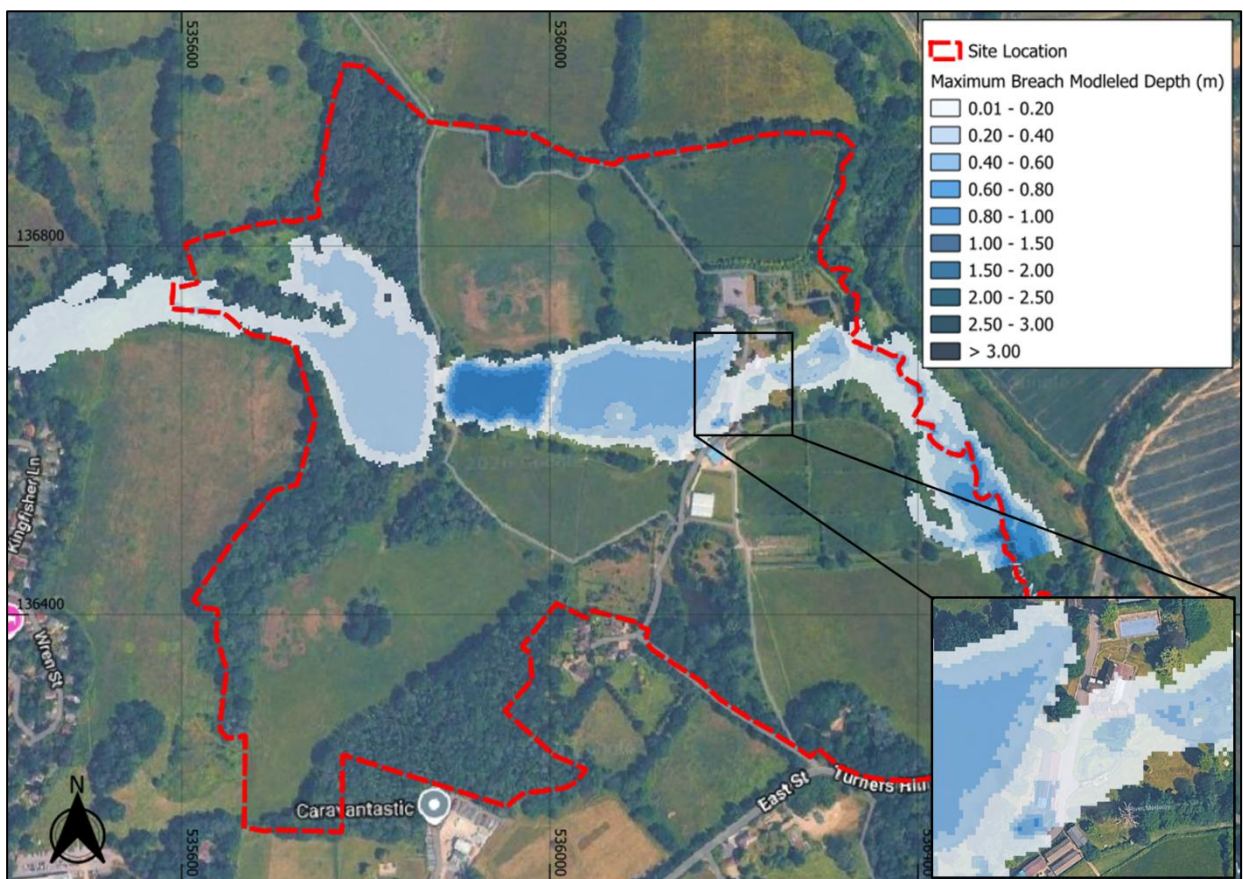


Figure 3: Maximum Modelled Flood Depth (Base map from Google Hybrid and data from Aegaea Modelled Breach Outputs)

How long will it take for flooding to reach my land?

- 2.6. The detailed modelling also shows the time it would take for the flood water from the breached lakes to reach the sites vicinity. Based on this information it would take approximately 1hr 55mins the water to arrive at the site, following the breach first occurring.

3. Flood Emergency/Evacuation Plan (FEEP)

What Flood Warnings will be made available and how will they be triggered?

- 3.1. As part of the construction of the fishing lakes, water level sensors will be installed to detect a rapid drop in water levels. The system will be conveyed to the at-risk properties through texts/phone calls, where such contact details have been provided to Tulleys by the landowner.

Responsibilities – who is responsible for maintaining the lakes and the warning systems?

- 3.2. It is the responsibility of Tulleys Farm to maintain and monitor the lakes and to convey a notification of breach to the at-risk properties in the scenario where a rapid drop occurs.
- 3.3. It is the responsibility of the homeowner/landlord/management company to communicate this FEEP to occupants and visitors.
- 3.4. It is the responsibility of the individual property owners to make the FEEP procedures available and communicated to tenants where appropriate. Where properties are rented, the owners should ensure the occupants have access/ means to receive the aforementioned notification of a breach – for example, Tulleys should also have tenant contact phone numbers, provided by the property owners.
- 3.5. It is the responsibility of the individual occupants/residents to implement the FEEP at the trigger event of receiving a notification of a breach.

Preparation for Flood Events

- 3.6. In line with EA ADEPT advice, guidance of how to prepare for a flood event has been outlined below if required.
- 3.7. There are a multitude of ways that an occupant can prepare for the potential of a flood event. These are set out as follows:
- Important documents (such as passports and insurance certificates) can be placed into sealable polythene bags to protect them from flood water or can be placed in a high and secure location.

- Ensure that the insurance policy for the property covers for flood damage.
- Identify who can assist during a flood event – neighbours that can help you store work equipment and stay somewhere safe when flooding is imminent. Similarly, you can look out for neighbours who may need help themselves during a flood event.
- If there are cars within the site, identify somewhere safe they can be moved prior to a flood event. Do not attempt to move your car if it is already in flood water. It is recommended that cars should be parked outside of the Breach extents.

3.8. In addition, it is advised you prepare a flood kit which can be quickly accessed when flooding is imminent to equip you with everything you may need. You should consider the following:

- Important documents such as insurance certificates – if these cannot be safely stored within the property it would be advised to take them with you as they are expensive to replace.
- Bottled Water – Water from the tap could become contaminated during a flood so bottled water should be available.
- First Aid Kit – Keep a first aid kit to hand in case of minor injuries. Put any prescription medication in your kit so that you can have easy access to it.
- Mobile Phone – Keep a fully charged mobile with you so that you can contact people in an emergency or call for help. If the phone has internet access, you can use it to monitor the local news and latest flood situation.
- Waterproof Clothing – Keep wellies and rubber gloves available should you need to enter the flood water.

3.9. In the event of a flood, you may not be able to find these essential items, so it is important to prepare in advance. Completing an individual flood plan (using the information provided within this document) will assist in helping you decide what practical actions to take before and during a flood which will help reduce the damage flooding could cause).

What to do to prepare/ during flooding

3.10. This FEEP should be communicated to and provided to all property owners and tenants. The summary (Section 4) should be displayed in communal areas within the site where appropriate and also distributed to occupants and tenants through deeds/ rental agreements/ hard copy leaflet drop.

- 3.11. The main priority during a flooding event is the safety of all site users. As such a key part of protecting everyone is making sure that you are fully aware of the ongoing situation and know where to access the most up to date information. Below is a list of advised actions that could be taken during a flood event (where appropriate). They are included here for completeness and reflect the relevant best practice guidance for FEEPs:
- Where possible, switch off all electrical and gas appliances at the mains.
 - Monitor local press, radio, and regional TV.
 - Pay close attention to the advice given by emergency services and local authority. Take the notification of breach seriously and respond quickly.
 - Do not drive through flood water. Less than two feet of flood water can be enough to float a vehicle.
 - Avoid contact with flood water when possible. Flood water is typically contaminated with sewage and other hazardous substance. Wear rubber gloves and boots, and wash thoroughly if you do come into contact with flood water. Do not attempt to swim through flood water.
 - Do not enter a property that has been flooded unless you are sure it is structurally safe. If in doubt, have the property checked by a professional.
 - Do not turn on your electrical or gas supplies until they have been checked by a professionally qualified electrician or engineer. Take care of gas leaks – do not smoke or use open flames.
 - Do not use petrol or diesel generators indoors as they produce carbon monoxide.
- 3.12. Based on the modelled flood data, both the dwelling and the evacuation route are outside of the residual risk flood extents. Therefore, it is not considered necessary/essential that evacuation is required if flooding were to occur at the site.
- 3.13. Furthermore, as per the previously discussed modelling, flooding is not expected to occur instantaneously, and it should take approximately **1hr 55mins** for the water to arrive at the site. This is expected to give sufficient time for occupants to prepare if required.
- 3.14. The evacuation route shown in the following section should be used as a guide. If flooding has occurred in the surrounding area alternative routes may be more appropriate.

Proposed Flood Evacuation Route (where appropriate/required) or Emergency Procedures

- 3.15. The requirements for safe access and egress in flood risk areas are as follows, in decreasing order of preference:
- Safe dry route for people and vehicles;
 - Safe dry route for people;
 - If a dry route for people is not possible, a route for people where the flood hazard (in terms of depth and velocity of flooding) is low and should not cause a risk to people; then,
 - If a dry route for vehicles is not possible, a route for vehicles where the flood hazard (in terms of depth and velocity of flooding) is low to permit access for emergency vehicles. However, the public should not drive vehicles in floodwater.
- 3.16. Where a dry route is not possible and a route with low flood hazard is identified, the route should not have any service covers that could be removed, or other underwater hazards. It is often difficult to see underwater hazards even in shallow water, particularly at night or if the water is silty.

Safe Refuge and Access/Egress

- 3.17. As shown on Figure 4, there are two potential access routes from the site. Vehicle access is recommended in a general south direction from the site. The route travels along private access road, and the majority is affected by a hazard rating of no or below 0.75 hazard rating. There is an area that is at a hazard rating of between 0.75 and 1.25, however this is only approximately 7m in length. The evacuation route meets the junction of East Street and Turners Hill Road which provides connections to the wider area away from the flood extent.
- 3.18. If depths are greater than 0.25m along this the private access road then a northern pedestrian access route is also available in a general northwest direction. This route travels along a public

right of way path (reference: WOR-65W as per the West Sussex Website¹), and remains dry throughout the whole breach event, meaning dry pedestrian access/egress is considered to be achievable if the occupant wanted to leave the site. The evacuation route meets the Burleigh Lane which provides connections to the wider area away from the flood extent.

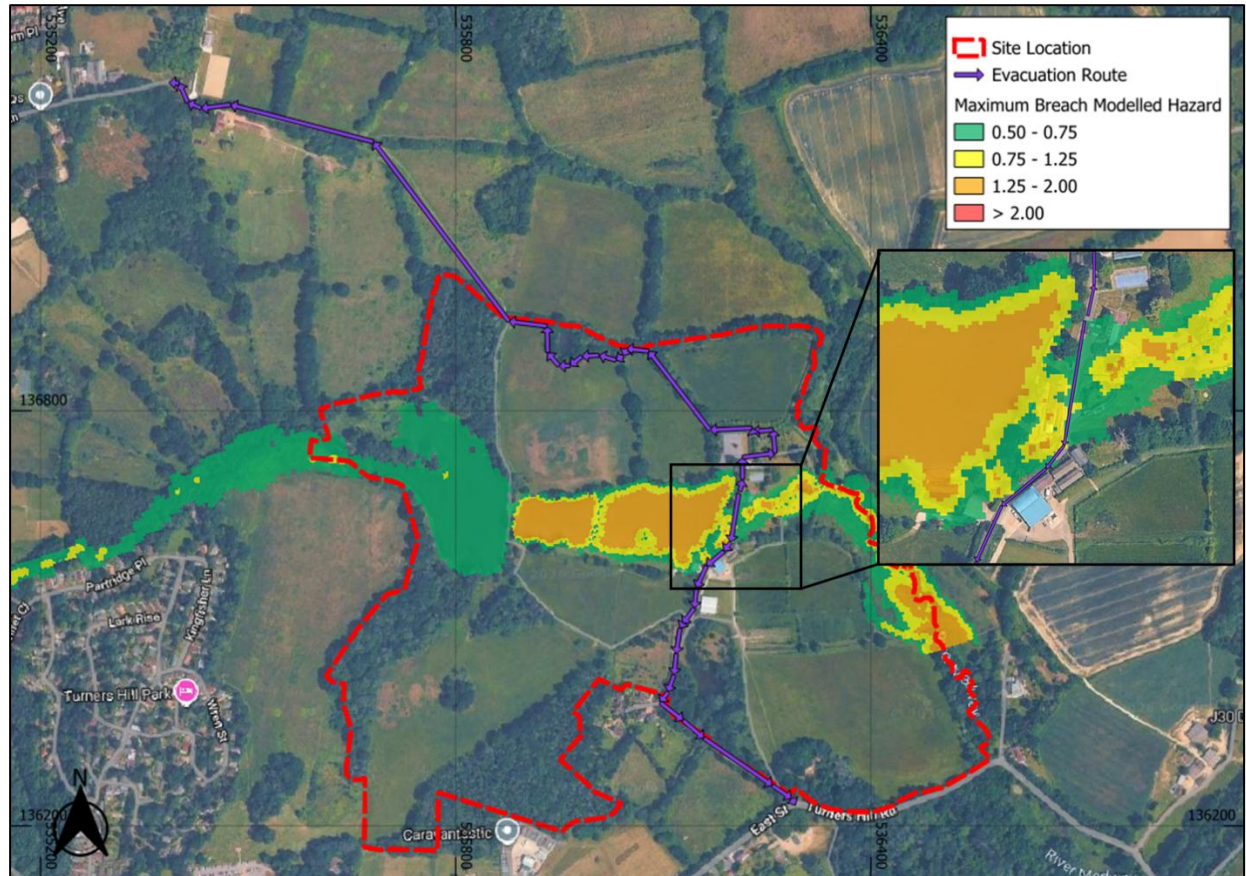
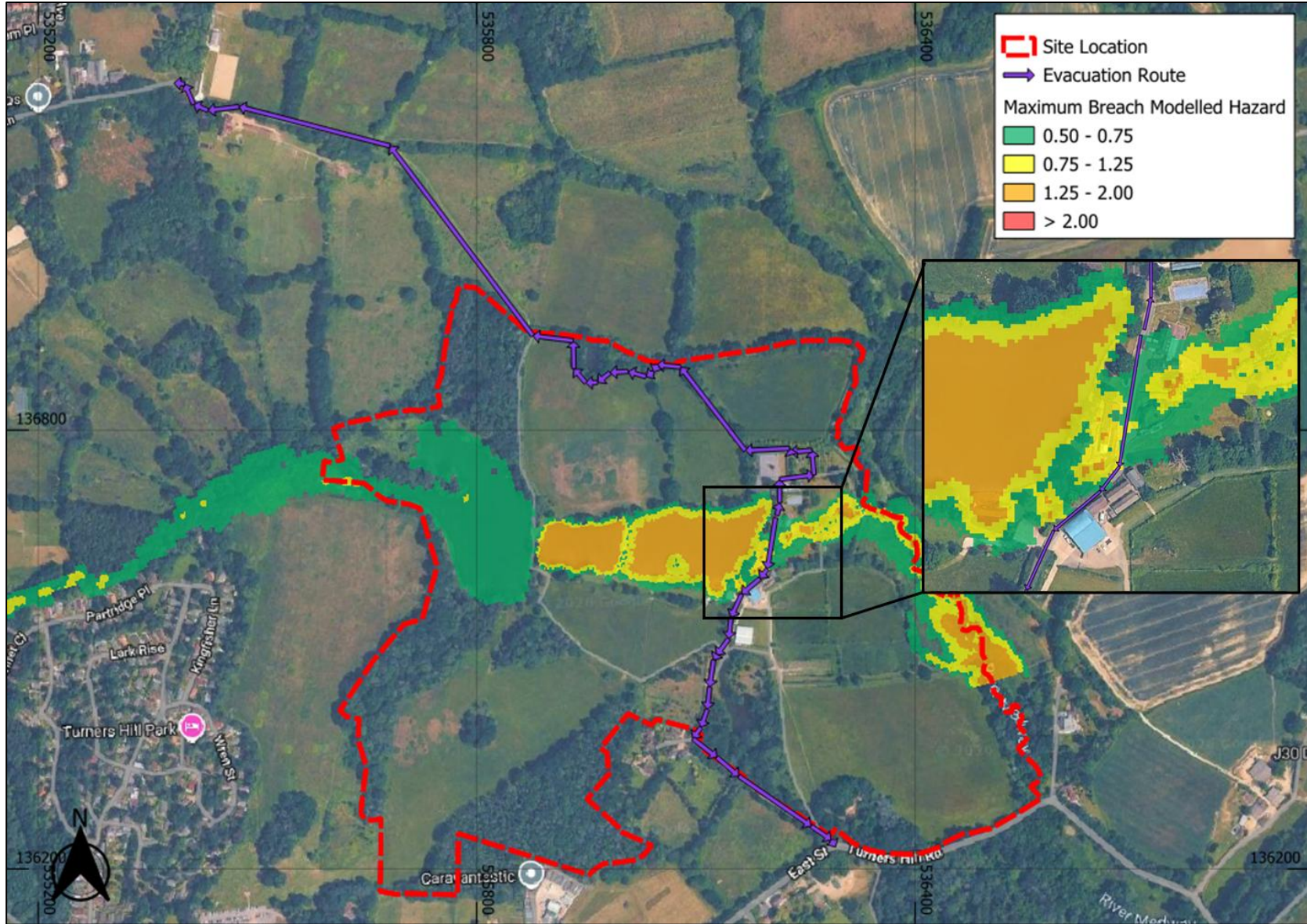


Figure 4: Evacuation Route Overlain Modelled Flood Hazard (Base map from Google Hybrid and data from Aegaea Modelled Breach Outputs)

¹ <https://www.westsussex.gov.uk/land-waste-and-housing/public-paths-and-the-countryside/public-rights-of-way/public-rights-of-way-imap/imap/>

4. Summary for Site Occupants and Users

Property:	Fen Place, Mill East Street, Turners Hill, Crawley, RH10 4QQ																										
Risk summary:	Based on the modelled depth mapping, the maximum flood depths at the site are restricted to the centre of the site associated with the lower areas at the watercourse (1.03m). The majority of the buildings on site are outside of the flood depth and extent mapping. Two buildings are within the extent (the southern of the two being affected by a depth of 0.32m and the northern building being affected by a depth of 0.18m. Based on the modelling undertaken, it would take approximately 1hr 55mins the water to arrive at the site. <u>Prior evacuation of the site should be sought upon receipt of a notification of a breach.</u> A safe evacuation route has been identified should the occupant seek to leave																										
Preparedness:	Recommended evacuation route:																										
Notification of breach actions:	- Prepare a flood kit (first aid, medication, torch, warm clothes, wellington boots, long-life food) - Make a list of emergency contacts and consider alternative options for accommodation. - Review FEEP periodically																										
	Text/Phone Call informing of a rapid drop in water level at the lakes. There are two potential access routes from the site. Vehicle access is recommended in a general south direction from the site. The route travels along private access road, and the majority is affected by a hazard rating of no or below 0.75 hazard rating. There is an area that is at a hazard rating of between 0.75 and 1.25, however this is only approximately 7m in length. The evacuation route meets the junction of East Street and Turners Hill Road which provides connections to the wider area away from the flood extent. If depths are greater than 0.25m along this the private access road then a northern pedestrian access route is also available in a general northwest direction. This route travels along a public right of way path (reference: WOR-65W as per the West Sussex Website), and remains dry throughout the whole breach event, meaning dry pedestrian access/egress is considered to be achievable if the occupant wanted to leave the site. The evacuation route meets the Burleigh Lane which provides connections to the wider area away from the flood extent.	 Prior evacuation of the site should be sought upon receipt of a notification of a breach. If flooding has already occurred, dry access/egress should be possible away from the flood extent. IN AN EMERGENCY, CALL 999.																									
The emergency services (blue light responders) become the first responders during a flood event. The instruction they give should be followed at all times, even if it contradicts the details of this FEEP report. <table><tr><th colspan="2">Emergency Contacts:</th><th colspan="2">Emergency cut-off locations:</th></tr><tr><td>Electricity provider:</td><td></td><td>Electricity cut-off location:</td><td></td></tr><tr><td>Gas provider:</td><td></td><td>Gas cut-off location:</td><td></td></tr><tr><td>Water Company:</td><td></td><td>Water cut-off location:</td><td></td></tr><tr><td>Insurance Company:</td><td></td><td>Insurance policy number:</td><td></td></tr><tr><td>Managing Agent:</td><td></td><td>Location of Flood Kit:</td><td></td></tr></table>				Emergency Contacts:		Emergency cut-off locations:		Electricity provider:		Electricity cut-off location:		Gas provider:		Gas cut-off location:		Water Company:		Water cut-off location:		Insurance Company:		Insurance policy number:		Managing Agent:		Location of Flood Kit:	
Emergency Contacts:		Emergency cut-off locations:																									
Electricity provider:		Electricity cut-off location:																									
Gas provider:		Gas cut-off location:																									
Water Company:		Water cut-off location:																									
Insurance Company:		Insurance policy number:																									
Managing Agent:		Location of Flood Kit:																									