

## **ANNEXE 1 TO BRAMLEY PARISH COUNCIL EMERGENCY PLAN**

### **BRAMLEY PARISH COUNCIL FLOOD PLAN 2022**

#### ***Version 9 – July 2022***

This Flood Plan has been created so that, in the event of flooding in the village of Bramley, there is a clear understanding of the roles and responsibilities of the various support agencies, and a list of contacts should residents require help in the event of an emergency. It should be read in conjunction with the Bramley Parish Council Emergency Plan, and its Appendices, as below:

Appendix A – Emergency Plan Contact Chart

Appendix B – List of Street / Area Wardens

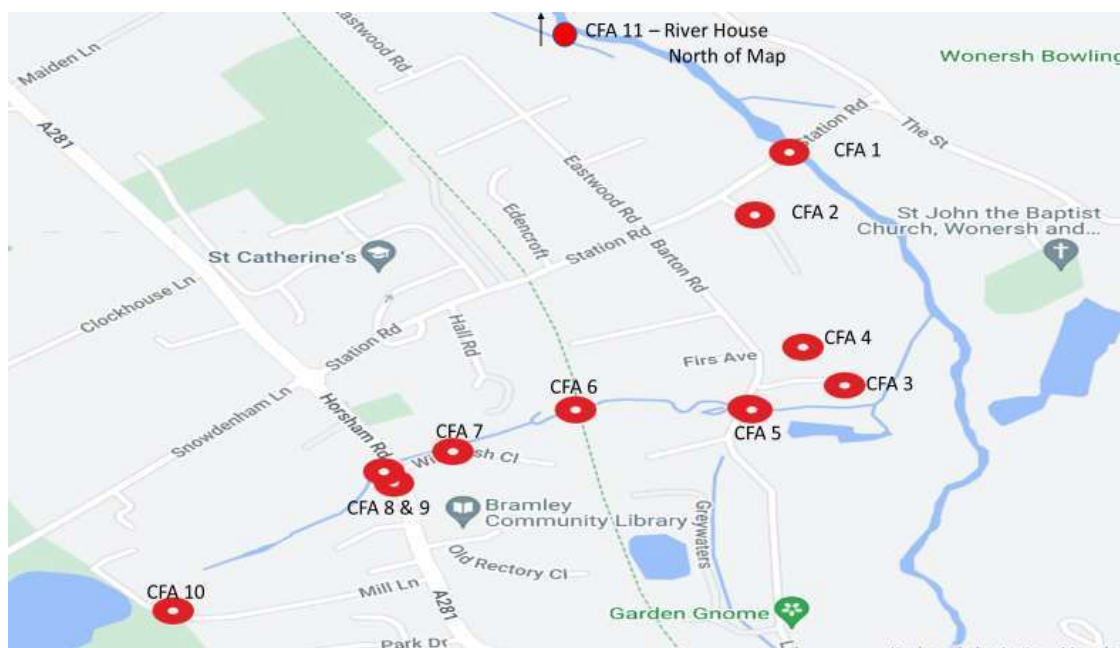
#### **1. FLOOD RISK AREAS**

Please find below a table and map showing the Critical Flood Risk Areas (CFA), each CFA will be explained in turn.

<b>Critical Floor Area Number</b>	<b>Description</b>	<b>Why critical</b>	<b>What 3 words reference</b>
<b>CFA 1</b>	Station Road Bridge	Potential tree blockages, capacity of bridge in extreme flood conditions	///ages.warm.smiled
<b>CFA 2</b>	Stanton Walk	River Food	///fingernails.onions.actual
<b>CFA 3</b>	Fisher Rowe Close numbers 17-19	River Flood	///waddled.video.wizard
<b>CFA 4</b>	Thames water sewage pumping station Fisher Rowe Cl.	River Flood, breakdown	///crops.ranged.caves
<b>CFA 5</b>	Culvert Linersh Wood - Hascombe stream	Blockages	///bared.miss.leaned
<b>CFA 6</b>	Culvert under Downs Link, Hascombe stream	Blockages	///answer.late.damage
<b>CFA 7</b>	Culvert Robertson Garden, Hascombe steam	Blockages	///visa.testers.pools
<b>CFA 8</b>	Arches below High Street, Hascombe	Blockages	///candy.voter.custom

	Stream		
CFA 9	Bridge behind High Street shops	Blockages	///chats.hunt.boss
CFA 10	The Mill, Culverts from the Mill Pond	Blockages / Collapse	///beams.lasted.fork
CFA 11	The River House Godsden Common	River Flood	///smoke.cooks.swim

Figure 1. CFA's



This identifies a number of events, any one of which could cause flooding to a greater or lesser extent in parts of Bramley. **We have listed these key Flood risk areas with a designation Critical Flood Area (CFA) designation and include a map and a What three words location on the map to guide Emergency services to the CFA location**

**The major risks for flood come from three waterways and run off from the hills surrounding Bramley**

Figure 2. Bramley waterways and potential flooding sources

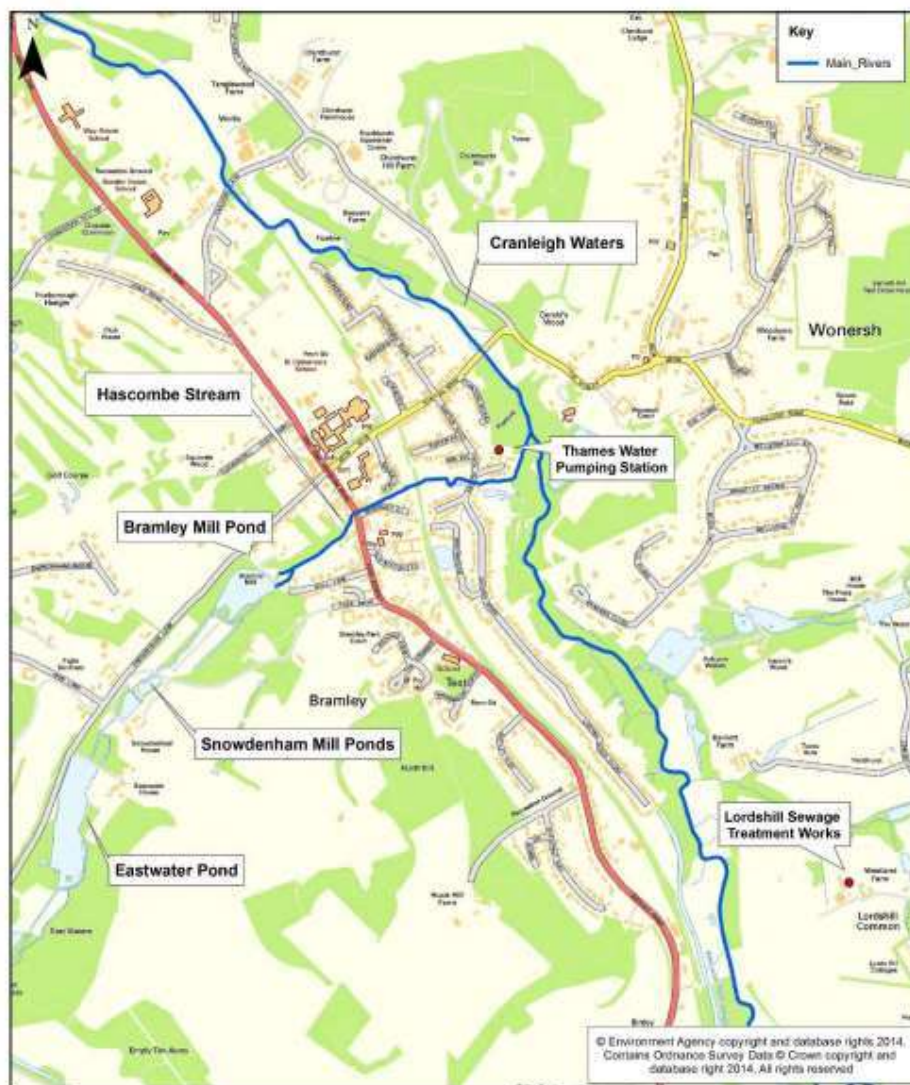


Figure 1-1 Bramley Location Map

## 1. Cranleigh Waters.

Following a prolonged and torrential rainfall, a very heavy run-off of surface water into Cranleigh Waters all along the valley between Wonersh, Shamley Green, Rowly and Cranleigh exceeds the capacity of the bridge over the Waters between Bramley and Wonersh (perhaps because the bridge is partly blocked by floating debris). This last happened in year 2013/14. This caused Cranleigh Waters to back up and Hascombe Stream would also back up. The resulting rise in the water level flooded a number of houses on the east side of Linersh Wood and on the south and east sides of Fisher Rowe Close (CF3).

**Note:** Some houses on the east side of Barton Road, as well as all those in Stanton's Wharf and Meadow Cottage in Station Road, and possibly other houses on the north side of Station Road, between Eastwood Road and the bridge could be affected.

#### **1.2. The Mill Pond and Hascombe Stream**

**Following a prolonged and torrential rainfall, a very heavy run-off of surface water into Cranleigh Waters can cause the Hascombe stream to back up.**

- In the event of the Culverts becoming partly or fully blocked by debris the Critical Flood Areas will potentially be impacted.
- Regular inspections after heavy storms and in Autumn to check for leaf blockage should be undertaken by the owners and audited by the Parish Council Emergency Response Coordinator as required, eg after Gales in which trees have been lost and blown over, Autumn after leaf fall, or after times of prolonged rain which may have washed debris from further upstream.

### **1. POSSIBLE FLOOD CAUSES, THEIR PREVENTION, AND ACTION TO BE TAKEN IN THE EVENT OF AN EMERGENCY**

#### **2.1. Collapse of a culvert carrying Hascombe Stream**

- a. In the dam to Bramley Millpond
- b. Under the High Street
- c. Between Windrush Close and the Robertson's Garden
- d. Under the old railway embankment (Brambles Park)
- e. Under Linersh Wood Road

Short of rebuilding them, which is clearly not feasible, there is nothing practical that can prevent a collapse of one of culverts b) to e). In respect of culvert a), all that is possible is continual vigilance to attempt to prevent heavy vehicles uprooting the metal posts and then crossing the dam.

If one of these culverts does collapse, the police or any other emergency services on the scene, and also householders along the route of the Stream, should be asked to call the Parish Emergency Coordinator identified in Appendix A as soon as possible to initiate the agreed emergency procedures. If she cannot be contacted, phone the **Environment Agency direct on 0345 988 1188. Floodline 0345 988 1188**

#### **2.2. Blockage of a culvert carrying Hascombe Stream, or a bridge**

- a. The culverts in the dam to Bramley Millpond
- b. The bridges behind the Indian Restaurant
- c. The culvert under the High Street
- d. The culvert between Windrush Close and the Robertson's Garden
- e. The culvert under the old railway embankment
- f. The culvert under Linersh Wood Road

To prevent a blockage occurring, the riparian householders should monitor the culverts and bridges, and clear them of any accumulating debris if they can, with the help if necessary of Waverley or the Environment Agency. The trash screens protecting the culverts in the Bramley Millpond dam should be regularly cleared of debris. Note that this is particularly important all along the stream at a time of prolonged or torrential rainfall, when the co-ordinator identified at Appendix A should also be informed as soon as possible of any accumulation of debris that could either block one of the culverts or bridges, or float onwards and cause problems further downstream.

If at any time a blockage is causing, or threatening to cause, a blockage, the Parish Emergency Coordinator identified at Appendix A should be warned as soon as possible. If she cannot be contacted, phone the **Environment Agency direct on 0345 988 1188. Floodline 0345 988 1188**

**2.3. Blockage of the bridge over Cranleigh Waters between Bramley and Wonersh.**

To prevent a blockage, the riparian householder should monitor the bridge, and clear it of any accumulating debris if they can, with the help if necessary of Waverley or the Environment Agency. Note that this is particularly important at a time of prolonged or torrential rainfall, when the Parish Emergency Coordinator identified at Appendix A should also be informed as soon as possible of any accumulation of debris that could either block the channel under the bridge or float downstream and cause problems towards Shalford. This last happened in 2013/14 when debris at Wonersh Bridge blocked the flow of water. The road across the bridge was submerged under water.

If a blockage is causing, or threatening to cause, a blockage, the Emergency Co-ordinator identified at Appendix A should be warned as soon as possible. If she cannot be contacted, phone the **Environment Agency direct on 0345 988 1188. Floodline**

**2.4. Prolonged rainfall threatens or overloads a culvert or a bridge**

The Parish Emergency Coordinator identified at Appendix A will arrange to receive the Environment Agency's Floodline Warnings, so that she is alerted to monitor the situation, either herself or through "street wardens"; this includes watching for debris being brought downstream by rising water levels.

**3. LOCAL FLOOD ACTIONS**

- 3.1. With careful planning, local flood action can reduce, or possibly reduce, the impact of flooding. Sensible precautions should be taken to avoid risk to life by rising flood waters, and exposure to health risks, due for instance to pollution of the foul sewer system. **It is the responsibility of individual householders to take whatever preventive measures they consider necessary to avoid damage to their property in the event of a flood.** Local action could include placing of plastic sheeting and boarding across openings; blocking air bricks; laying of sandbag walls or temporary defence systems, and moving valuable or perishable items (including insurance policies

and other personal documents) upstairs or otherwise out of reach.

A series of advisory leaflets may be obtained from the Environment Agency, or scrutinised on temporary loan from your Street Warden.

### 3.2. Property Owners

- When you renew your insurance policy each year, ensure that it is adequate for flood damage
- Move to a safe area if life at risk
- Prevent water from entering property if possible
- Switch off electricity and gas supplies at mains
- Move valuable possessions above areas liable to be flooded
- Move vehicles to higher ground, but in a place which is unlikely to hinder emergency vehicles or be a nuisance to local residents.
- Consider a purchase of sandbags or the new lightweight sandbags available via Waverley Borough Council.

## 4. FLOOD WARNINGS

- 4.1. The Environment Agency's Local Flood Warning Plans provide details of flood warning arrangements for specific areas. However, we understand that at present this is restricted to the Cranleigh Waters only, where automatic sensors have been installed. The EA will issue Flood Watch messages from these when flooding of low-lying land is expected; Flood Warnings when flooding of homes and businesses is expected; Severe warnings when there is extreme danger to life and property; and All-Clear messages when earlier warnings are no longer in force in the area.
- 4.2. With regard to the Hascombe Stream, for the stretch from Bramley Mill to Fisher Rowe Close, local vigilance will be essential to mitigate the potential effects of flooding. It may be desirable to place a post vertically in the ground, as a depth gauge, which will indicate danger levels. Your street warden may be able to determine this, in the light of previous experience.
- 4.3. During a flood, information is available from the Environment Agency's website: [www.environment-agency.gov.uk](http://www.environment-agency.gov.uk) or the Environment Agency's overall Floodline service: 0345 988 1188. Floodline uses QuickDial numbers to speed up access to local flood information, related to geographic areas. **The quickdial number for the Bramley Area is 173321.** The Agency will also arrange to call all those who have registered with them, when a potential flood is likely to put them at risk. Copies of the application form can be obtained from the Environment Agency, your local warden, or from the Parish Council office in the Village Hall.

## 5. FLOOD TRIGGERS

### 5.1. Cranleigh Waters

Flood action should automatically be triggered by the Environment Agency, but would additionally be triggered by the Parish Emergency Coordinator listed at Appendix A, based on information which she may have received (e.g. from Street Wardens).

### 5.2. Hascombe Stream

Whilst EA are now responsible for the Hascombe Stream, from the Bramley Mill pond down to Cranleigh Waters (below Fisher Rowe Close), they do not currently have the technical facilities in place to provide automatic warnings. Until this situation is rectified, the following triggers will need to be adopted locally, when the water level:-

- in the mill pond is less than a foot (0.3m) below the level of Mill Lane
- reaches the top of the 3 pipes beneath the main road alongside the Tandoori Restaurant
- reaches the underneath of the bridge by Robertson's Garden
- reaches the underneath of the culvert under the Downslink, between Brambles Park and Barton Road
- reaches the top of the pipes under Linersh Wood Road (by Linersh Drive)
- reaches to within 5m from the house at No. 16 Fisher Rowe Close

### 5.3. Bonfire Field

Residents in Park Drive, especially in Bramley Park Court, will need to be especially vigilant and trigger the alarm, through their street warden, when water threatens their properties. However, without any obvious current flood alleviation routes, action may be limited to individual damage limitation. The street warden may need to call on the coordinators, however, for assistance from the Volunteer Force.

**ALL SUCH TRIGGER LEVELS MUST BE REPORTED TO THE PARISH EMERGENCY CO-ORDINATOR LISTED AT APPENDIX A, WHO WILL BE RESPONSIBLE FOR MOBILISING LOCAL EFFORTS AND LIAISING WITH OTHER AUTHORITIES.**

## **ANNEXE 2 TO BRAMLEY PARISH COUNCIL EMERGENCY PLAN**

### **EXTREME ICE AND SNOW CONDITIONS**

#### **1. WHAT HAPPENED IN 2010 and in other years?**

In early January 2010 there was a period of very cold weather, with temperatures as low as -9°C. Roads and pavements were extremely slippery and SCC Highway services were limited to gritting/salting of main A roads, B road bus routes, and access routes to schools and hospitals. This continued for over a week before heavy snowfalls occurred, with around 25cms (10") typical in many parts of the parish, even more on higher ground. By mid-January, much of the country was running low on salt/grit reserves and the government introduced central control and distribution of these reserves, allowing a much sparser provision of road gritting. Furthermore, it transpired that below -8°C the salting has little or no effect on road surfaces, meaning that the packed snow was not melting even on the main roads. This situation continued for a further week or so after which the snow subsided but the temperature remained cold, so the ice did not disappear.

#### **2. WHAT EFFECT DID THIS HAVE ON BRAMLEY?**

- 2.1.** Transport was severely affected. Bus services were severely disrupted between the main centres of Guildford and Cranleigh, with virtually no means of getting to Godalming, or beyond Cranleigh to Ewhurst or Horsham. Residents in side roads found it difficult, if not impossible, to drive their cars on to the main roads. Whilst many workers decided to work from home, school children were unable to get to local schools in Chilworth, Shamley Green, Cranleigh, Guildford and beyond. The Infant School was closed as staff were unable to get to work.
- 2.2.** Elderly pedestrians were particularly affected - even walking to the village shops to obtain provisions was hazardous, with icy pavements difficult to navigate. There were no local stocks of salt/grit in SCC roadside bins alongside known high-risk slopes such as at the foot of Birtley Rise and from Thorncombe Street up Alldens Lane. Residents in Blunden Court found it difficult to get out, with the library footpath and the main access road from the High Street deemed a low priority by SCC. WBC could not help, as many of their contract employees were unable to report for work.
- 2.3.** There were a number of electricity power cuts due to heavy snow bringing down power lines. As far as is known, none of these cuts were long lived, but had they done so, absence of home heating could have had a severe impact on vulnerable elderly residents.
- 2.4.** Heavy snow brought down trees and large shrubs; particularly affected were the laurels overhanging the main road at Thorncombe Street, making this highway almost impossible to pass.

- 2.5. Waste disposal collections were suspended, before resuming each fortnightly collection cycle two weeks late, as collection vehicles could not navigate side roads and contractor staff could not reach their depots.
- 2.6. Tobogganing became a popular pursuit, but one or two broken limbs were reported, requiring medical treatment for the victims.
- 2.7. Fortunately, there were no recorded incidences of ambulances unable to reach those needing help in Bramley, but regular and planned medical treatments were postponed in many cases to keep beds free for emergency cases. Hospital and surgery staff numbers were reduced, with doctors and nurses in some cases unable to reach their workplaces.
- 2.8. When the thaw eventually came, there was increased demand for plumbers to repair burst pipes. Gosden Pavilion was one such victim, with a burst water tank causing significant damage to pipes, electrical fittings, ceiling, walls and the wooden floor. Bookings here were postponed for around three weeks.
- 2.9. When car drivers were finally able to venture out, they discovered that many new and often significant potholes had been created, although SCC allocated extra resources to address the problem, reputedly treating over 200 potholes per day. Damage to wheels, tyres and suspension systems were rife, as many of these holes could not be detected, especially at night, due to being filled with rain water. Heavy rain followed for several weeks after the thaw, with fields and ditches saturated, although, fortunately there were no examples of local flooding.

### **3. WHAT STEPS WERE TAKEN LOCALLY?**

- 3.1. In general, typical of the British spirit combined with the helpfulness for which Bramley is renowned, neighbours looked out for each other, undertaking shopping and collection of prescriptions for elderly and infirm people. Waverley BC is reputed to have made contact with all residents on their “at risk” register, although not all vulnerable people may be listed.
- 3.2. Demand for local shopping rose considerably, and fortunately the shops continued to be stocked by suppliers, being adjacent to the main road.
- 3.3. The dormant Bramley Business Association (BBA) was re-formed to address the issue of icy High Street pavements, which were a risk to customers. The BBA purchased a stock of snow scrapers, grit spreaders, salt and grit, which is now stockpiled at Robertson’s in readiness for any future occurrence. Having resolved potential problems of protection from injury claims, each shopkeeper has access to the equipment and has undertaken to clear the pavement immediately outside their premises, as and when a similar situation arises.

#### WHAT FURTHER CONTINGENCY MEASURES HAVE BEEN TAKEN?

- 4.1. Ensure transport links and bus service disruption information is adequately and effectively publicised via link on BPC website.
- 4.2. Liaise with SCC to ensure all salt/grit bins are fully stocked.
- 4.3. A list of grit bins and there locations are as follows
  - End of Birtley Rise
  - Bramley Library
  - Chestnut Way - To be installed in 2023

Grit Bin number	Street Location	What three words location
1	End Birtley Rise	///into.burns.tennis
2	Bramley Library	///opens.mouse.spoken
3	Chestnut Way	Awaiting installation

- 4.4. BPC to maintain clear links with BBA and St Cats (grounds staff) in bad weather to assist with central Bramley street snow clearance. Contact details added to emergency plan.

#### WHAT FURTHER CONTINGENCY MEASURES COULD BE TAKEN?

- 4.5. Consider purchase of further grit bins for Bramley from SCC i.e. in Bramley Library car park.
- 4.6. Put together list of local emergency trades people to advertise on website (or in trade directory/Bramley Handbook?).

## **ANNEXE 3 TO BRAMLEY PARISH COUNCIL EMERGENCY PLAN**

### **Global Pandemic**

#### **WHAT HAPPENED IN 2020?**

Following the declared global pandemic in March 2020 the Government issued a stay at home order for vulnerable people and restricted the movement of residents to essential travel only. Essential travel included food and medication.

Bramley's emergency response led by the Parish Council immediately implemented a number of measures to support local residents.

- Created a team of volunteers who would be able to help provide and deliver food and medicine to vulnerable people
- Created a dedicated help email address which was monitored daily
- Councillors manned the telephone lines voluntary each day to capture calls from residents and find volunteers to support their needs
- Created a list of trusted tradespersons who could help in the event of an emergency
- Liaised with various charitable and Borough and Government bodies to ensure the most vulnerable of our parishioners were supported for food and medicine
- Instigated regular calls and zoom meetings to check on the status of the village and help needed

## ANNEXE 4 TO BRAMLEY PARISH COUNCIL EMERGENCY PLAN

## Amendments

[illegible]