

Flood Risk:

Warning and Evacuation Plan to

Accompany planning application

for

change of use

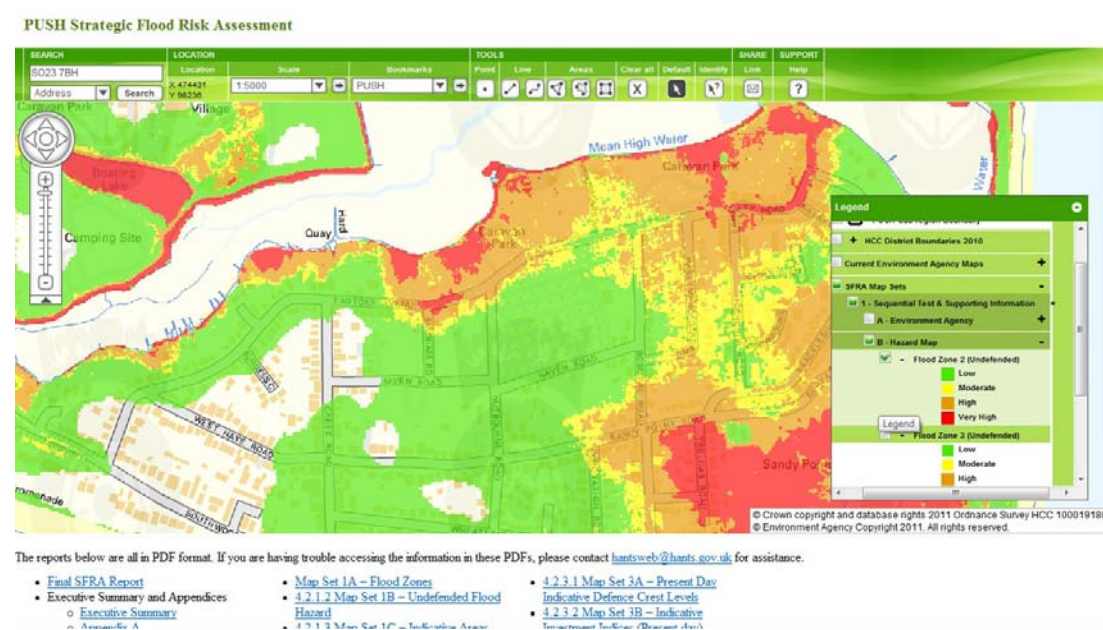
at

For

**40 Haven Road
Hayling Island
Hampshire**

1. Introduction, Scope & Objective

- 1.1 The objective of this plan is to raise awareness of the risk of flooding in the location specified below, to detail the Flood Warnings and estimated lead time available, and to detail how the Plan is triggered by who and when, and what actions are required by those people in the area.
- 1.2 The Plan also describes the evacuation procedure and need for safe refuge.
- 1.3 The location covered by this plan is 40 Haven Road, Hayling Island Hampshire.



PUSH SFRA Hazard Mapping

- 1.4. The site is situated in Flood Zone 2 as can be seen from the Environment Agency map.

The site is located within an area of Medium Hazard, as identified by the PUSH Strategic Flood Risk Assessment.

2. Document Control

- 2.1. This plan is owned, maintained and updated by the applicants Mr and Mrs D Jones. All users are asked to advise Mr and Mrs D Jones of any changes in circumstances that may materially affect the plan in any way.
- 2.2. Details of changes should be sent to:

Mr and Mrs D Jones
40 Haven Road
Hayling Island
Hampshire
- 2.3. The plan will be reviewed and updated at least every three years, as a result of lessons identified after an activation event or exercise, following major changes of personnel or policy, or following change to the flood risk or warning process that is used by the Environment Agency.
- 2.4. The person responsible will be:

Mr Danny Jones
- 2.5. The Flood Risk Warning and Evacuation Plan will be provided to all new residents upon first occupation in writing and re-issued as and when changes occur.
- 2.6. The Flood Risk Warning and Evacuation Plan will be stored in a waterproof jacket within each of the dwellings proposed.

3. Flood Risk as identified by Environment Agency data

- 3.1. The existing building on site is a static caravan. It is proposed that this static caravan home location be used all year round for the owners to occupy to maintain the site and for site security. It is also proposed to add an additional three static caravans to the site for use during ten months of the year only.
- 3.2. The topography is flat across the site.
- 3.3. There are no significant surface water courses on or near to the site. The PUSH Guidance confirms that this site is not associated with any fluvial flood risk.
- 3.4. The main source of flooding is therefore tidal flooding. The site is within Flood Risk Zone 2 (Low Hazard) as noted above.
- 3.5. The existing receptor to flooding is a single-storey static caravan that is occupied for 10 months out of any one calendar year.
- 3.6. The proposed receptor to flooding is a single-storey static caravan that will be permanently occupied together with three additional static caravans which will be occupied on a ten month basis.
- 3.7. The water pathway will be by overland surface flows from over-topping of existing defences at Fishery Creek (north) Chichester Harbour (west) and The Solent (South) then across the urbanised Eastoke peninsular and onto the site.
- 3.8. Table 2 of the technical guidance to the NPPF classifies the existing development as more vulnerable (Sites used for holiday or short let caravans and camping) .

"Table 2 confirms that the proposed development is classified as more vulnerable (Buildings used for dwelling houses)."
- 3.9. Surface water run-off will be unaffected by the proposed development. Surface water run-off and foul discharge will continue to flow to the local sewer network.
- 3.10. Table 1 of the Technical Guidance to the NPPF confirms that

"the anticipated flood probability for a site within Zone 2 is between a 1 in 200 and 1 in 1000 annual probability of sea flooding (0.5% -0.1% in any year)."
- 3.11. Predicted Extreme Tide Level provided by the SFRA for this area (Tide Zone 15) is 4.5m AOD (1:200) and 4.7m AOD (1:1000).

4. Flood Warnings

- 4.1. The EA operate a flood forecasting and warning service in areas at risk of flooding from the sea, which relies on direct measurements of rainfall, river levels, tide levels, in-house predictive models, rainfall radar data and information from the Met Office. This service operates 24 hours a day, 365 days a year.
- 4.2. On Hayling Island, flood warnings are broadcast via Local Radio and TV Stations. The EA also operated "*Floodline*" which can be accessed by dialling 0845 988 1188.
- 4.3. If flooding is forecast, warnings are issued using a set of easily recognisable codes. A description of the codes and actions to be taken are shown at Appendix 1.
- 4.4. Within this area the EA attempt to provide a minimum of 2 hours warning of an imminent flood event.
- 4.5. In the event of a serious flood event across the site the competent warning authority is the Environment Agency.
- 4.6. When a flood is expected the Local Authority and local emergency services will be responsible for public care and safety.

5. Flood Warnings Direct (FWD)

- 5.1. Flood Warnings Direct is a free service operated by the EA that provides flood warnings direct to you by telephone, mobile, email, SMS text message and fax. Sign up for Flood Warnings Direct by calling Floodline on 0845 988 1188 or online by following the link included in appendix 2.
- 5.2. The Applicant is responsible for activation this plan and are registered with Flood Warnings Direct (FWD) and should receive a direct warning through this system.
- 5.3. The Applicant will inform the other “site occupants” of the FWD direct by using either text messaging or by email. The applicant will only keep details of occupants on site during their stay and delete details from any register once they have vacated the caravan in the interests of confidentiality as defined in GDPR.

6. Estimated Flood Warning Time

- 6.1. For this location the estimated lead time provided by the EA is 2 hours, a more accurate estimation will be provided when the warning is made.

7. Low lying areas designed to flood

- 7.1. In a flood event the development it expected to flood.
- 7.2. There are no passive flood mitigation measures installed.
- 7.3. There are no safe refuge areas.

8. Command & Control

- 8.1. Once a Flood Warning has been received the following people will discuss the warning, recent weather activity, estimated impact time, and will decide what actions are activated.
- 8.2. If immediate flooding is forecast and the opportunity to safely evacuate is gone, pre-emptive flood protection tasks must be implemented (if time allows) and the order given for moving to the area of safe refuge, see below.
- 8.3. The Applicant will co-ordinate all command and control in a flood event

9. Response Considerations

- 9.1. The EA confirms that the site is in an area that has a moderate chance of flooding. The chance of flooding each year is between a 1 in 200 and 1 in 1000 annual probability of sea flooding (0.5% -0.1% in any year). This takes into account the effect of any flood defences that may be in this area, whether or not these are currently illustrated on the Flood Map.
- 9.2. The EA undertakes to provide 2 hours warning before the onset of a flood event.
- 9.3. The duration of the flood event is dependent on its scale and magnitude. Likely duration will be advised by the EA and the Borough Council's Civil Contingencies Unit. It is anticipated that a flood event could last for up to 8 hours.
- 9.4. Routes will remain accessible during a flood event.

10. Site Evacuation Procedures & Routes

- 10.1 The Environment Agency advises that the site is located within Flood Zone 2 with a predicted still water level of 3.4m AOD (1:200) and 3.6m AOD (1:1000) which assumes no defence in place.

At present the site would therefore flood to a level of 0.2m AOD (1:200) and 0.4m AOD (1:1000).

At this depth evacuation is possible before, during and after a flood event.

- 10.2. Safe Access would be taken directly onto Haven Road and then westbound where it exits the flood risk zone.

It is considered that this would provide a safe vehicular route out of the flood zone.

- 10.3. On foot, residents would access Haven Road and then travel a short distance to the west.

This area is located within Zone 1 and is therefore not considered at risk from flooding

- 10.4. Following the issue of a flood alert, the residents would be alerted and readied to evacuate

- 10.5. Following the issue of a flood warning, the residents would be evacuated to a safe location.

- 10.6. Evacuee's will be taken to a safe pre-arranged location outside of the flood risk zone where a role call can be taken. It is the responsibility of the Applicant to confirm by visual inspection that each of the dwellings is evacuated.

11. Deploying Flood Barriers / Flood Protection

- 11.1 This site has not been designed with provision for temporary flood barriers or active flood protection measures.
- 11.2 This development does not include passive flood protection.
- 11.3 Residents of the development will be notified of the potential risk of flooding by The Applicant.
- 11.4 Havant Borough Council's Policy Statement of Flood Defence states:

“The main means by which flood risks will be managed is through the Environment Agency's Local Flood Warning Plan. This makes arrangements for warnings to be provided to flood wardens within the Borough by telephone, including individual warnings to high risk properties. Havant Borough Council has included plans for responding to both major and minor flooding in its emergency planning procedures and has arrangements for cascading warnings received from the Environment Agency to relevant Council services.

The Council has only limited resources available at times of emergency. It retains a stock of sandbags for its own use in protection the Public interest and will not normally make these available to individual householders for the protection of private property except on the direction of the emergency services (and then subject to availability). The Council publishes a leaflet that is intended to assist householders in making preparations if their property lies in a flood risk area.”

12. Safe Refuge

- 12.1. There are no safe refuge points within this development. In a tidal flood event it will be necessary for this dwelling to be evacuated to a safe location. Responsibility for this evacuation will fall to The Applicant. The Applicant would enact part 10 of this plan in advance of a flood event.

13. Reoccupation of the Site

- 13.1. Residents should contact the local authority to check that it is safe to return to their property.
- 13.2. Residents should be aware that if flood waters have entered the property it will need to be cleaned, disinfected and repaired and fully dried out prior to reoccupation.
- 13.3. Residents must check that the building is safe before entering the building, and if there are any doubts professional opinion should be sought.
- 13.4. If there is any doubt that appliances may be water damaged they must be checked before switching the power or gas back on.
- 13.5. Residents should contact their insurance company as soon as possible to get their approval before arranging any clean-up or repairs.
- 13.6. The Construction Industry Research and Information Association (CIRIA) advise that, in a severe flood event, it may be several months before it becomes habitable and several weeks before it fully dries out.
- 13.7. Occupiers must therefore consider a wide range of measures in developing their Recovery Plan, see link included in Appendix 2.

14. Training and Exercising

14.1. Residents must take the following action in line with Environment Agency guidance.

- Reading the plan and updating the contacts list – so residents are familiar with the required actions and that all contact numbers are up to date
- Contact the Environment Agency Floodline Service on 08459881188 to check that the flood risk to the property has not changed, for example flood defences may be built.
- Contact the Environment Agency Flood Warning Service on 08459881188 to register to receive flood alerts direct to your phone.
- Prepare and maintain a flood kit to contain items which are essential for evacuation. The flood kit will also be useful for general emergency situations and should be stored where you can easily get to it if your home is flooded or blacked out and should include:
 - o A torch*
 - o Blankets or a sleeping bag, warm clothing and waterproofs*
 - o A first-aid kit, including a supply if any essential medication*
 - o A list of useful telephone numbers*
 - o A supply of bottled water*
 - o A stock of non-perishable food items*
 - o A portable radio and supply of batteries*
 - o Wellington boots or similar waterproof boots*
- Check your insurance cover – ensure it covers flood damage
- Know how to turn off the gas, electricity and water mains supplies
- Think about what items you would want to move to safety during a flood

Contact Details for the Applicant

Mr and Mrs D Jones
40 Haven Road
Hayling Island
Hampshire

Appendix 1 - Environment Agency Warning Codes

Environment Agency Flood Warning Codes:

Online Flood Forecast	 FLOOD ALERT	 FLOOD WARNING	 SEVERE FLOOD WARNING	Warning no longer in force
What it means Be aware. Keep an eye on the weather situation.	What it means Flooding is possible. Be prepared.	What it means Flooding is expected. Immediate action required.	What it means Severe flooding. Danger to life.	What it means No further flooding is currently expected for your area.
When it's used Forecasts of flooding on our website are updated at least once a day.	When it's used 2 hours to 2 days in advance of flooding.	When it's used Half an hour to 1 day in advance of flooding.	When it's used When flooding poses a significant threat to life.	When it's used When river or sea conditions begin to return to normal.
What to do Check weather conditions. Check for updated flood forecasts on our website.	What to do Be prepared to act on your flood plan. Prepare a flood kit of essential items. Monitor local water levels and the flood forecast on our website.	What to do Move family, pets and valuables to a safe place. Turn off gas, electricity and water supplies if safe to do so. Put flood protection equipment in place. Protect yourself and help others.	What to do Stay in a safe place with a means of escape. Be ready should you need to evacuate from your home. Co-operate with the emergency services. Call 999 if you are in immediate danger.	What to do Be careful. Flood water may still be around for several days. If you've been flooded, ring your insurance company as soon as possible.

Appendix 2 – Sources of additional information.

Am I at Risk of Flooding?

<http://www.environment-agency.gov.uk/homeandleisure/floods/31650.aspx>

Floodline Warnings Direct

<https://fwd.environment-agency.gov.uk/app/olr/register>

Prepare a Flood Plan for your Business

<http://www.environment-agency.gov.uk/business/topics/flooding/32362.aspx>

Business Flood Checklist

<http://www.environment-agency.gov.uk/business/topics/flooding/32358.aspx>

Make an Emergency Flood Plan for your Home

<http://www.environment-agency.gov.uk/homeandleisure/floods/38329.aspx>

Preparing your home or business for flooding

<http://www.environment-agency.gov.uk/homeandleisure/floods/31644.aspx>

Preparing for a Flood Practical advice on what to do to protect you and your property

<http://publications.environment-EA.gov.uk/pdf/FLHO1007BNET-e-e.pdf>

Improving the flood performance of new buildings: flood resilient construction.

<http://www.communities.gov.uk/publications/planningandbuilding/improvingflood>

Improving the flood resistance of your home - advice sheets

http://www.ciria.org.uk/flooding/advice_sheets.html

During a Flood Practical advice on what to do to stay safe in a flood

<http://publications.environment-EA.gov.uk/pdf/FLHO1007BNEV-e-e.pdf>

After a Flood Practical advice on recovering from a flood

<http://publications.environment-EA.gov.uk/pdf/FLHO1007BNER-e-e.pdf>

Flood Protection Association (Promote the interests of manufacturers and installers of flood protection equipment and requirements)

<http://www.floodprotectionassoc.co.uk/>

Bristol City Council Emergency Planning Advice

<http://www.bristol.gov.uk/ccm/navigation/advice-and-benefits/emergencies/>

Direct Gov Preparing for emergencies

<http://www.direct.gov.uk/en/Governmentcitizensandrights/Dealingwithemergencies/Preparingforemergencies/index.htm>

UK Resilience

<http://www.cabinetoffice.gov.uk/ukresilience.aspx>