

## **Flood Risk Assessment (FRA) template**

Please enter text in the boxes provided.

### **1 Site description**

#### **1.1 Site address**

28 Valley Road, Sompting, West Sussex, BN15 0JS, TQ 16967 05947

#### **1.2 Vulnerability classification**

More Vulnerable as building is used as a year-round dwelling for a family of four, whom themselves are not vulnerable persons. The dwelling will exist of two bedrooms on the ground floor and two on the second floor.

#### **1.3 Flood zone incompatibility**

The development is fully compatible with Flood Zone 1, and no incompatibility arises because the proposed residential use is appropriate in this zone according to national planning guidance.

#### **1.4 Lifetime of development**

The development is assessed over a standard residential lifetime of 100 years, and the site remains safe from flooding for this entire period due to its location in Flood Zone 1 with very low flood risk from all sources.

#### **1.5 Local Plan policies and SFRA recommendations**

The proposed development complies with the Adur & Worthing Local Plan and the Strategic Flood Risk Assessment (SFRA) recommendations, as it is located in Flood Zone 1 and incorporates appropriate surface water management measures to ensure flood risk is not increased.

## 2 Assess flood risk

### 2.1 Existing site

The site consists of an existing residential plot containing a house and garage, with no watercourses, flood defences, or flood-related features present, and ground levels generally uniform across the property.

### 2.2 Fluvial flood risk

#### 2.2.1 Design flood event

No design flood event applies to the site because it lies entirely within Flood Zone 1 and is not affected by any fluvial, tidal, surface water, groundwater, sewer, or artificial flood risk under any return period scenario.

#### 2.2.2 Residual fluvial risk

### 2.3 Tidal flood risk

#### 2.3.1 Design flood event

No tidal design flood event applies to the site because it is located well inland in Flood Zone 1, outside all mapped tidal flood extents, and is not influenced by any coastal or estuarine flooding scenarios.

#### 2.3.2 Residual tidal risk

### 2.4 Surface water flood risk

#### 2.4.1 Design flood event

No surface water design flood event applies to the site because it is located in a very low-risk area with no mapped surface water flow paths or predicted flood depths under any rainfall scenario.

#### 2.4.2 Residual risk

## 2.5 Sewer flood risk

There is no identified sewer flood risk at the site, as there are no records of sewer surcharge in the area and no drainage pathways that could direct sewer flooding toward the property.

## 2.6 Groundwater flood risk

Very low

## 2.7 Reservoir flood risk

The risk of flooding from reservoirs at the proposed development site is negligible, and the development is therefore considered safe with respect to this source of flooding.

## 2.8 Canals and other artificial sources of flood risk

There are no canals, artificial water bodies, or man-made flood sources that present any risk to the site. The surrounding residential context and absence of artificial water infrastructure mean that flooding from artificial sources is considered negligible

## 2.9 Coastal erosion risk implications on tidal flood risk

Coastal erosion does not present any risk to the site and has no implications for tidal flooding at this location. The site is far enough inland that changes to shoreline position, defence management, or coastal erosion processes will not affect flood risk during the lifetime of the development.

## 2.10 Interactions of various sources

The site at 28 Valley Road, BN15 0JS is not exposed to any combined or interacting sources of flood risk. All assessed flood sources—fluvial, tidal, surface water, groundwater, sewer, artificial, and coastal erosion—are individually classified as very low risk, and there are no mechanisms by which these risks could combine to create a higher or compounded flood hazard.

## 2.11 Design flood level according to all the sources identified

As there are no flood sources that produce a credible flood depth or hazard at the site, no defined design flood level applies

## 2.12 Exception Test

Not required

**2.13 Summary of flood risks**

|               |
|---------------|
| Very low risk |
|---------------|

**3 Avoid flood risk**

**3.1 Evidence of the Sequential Test**

|              |
|--------------|
| Not required |
|--------------|

**3.2 Sequential Approach**

|              |
|--------------|
| Not Required |
|--------------|

## **4 Control flood risk**

### **4.1 Proposed site levels**

Set to a minimum of 150mm freeboard above surrounding ground, and will promote safe surface water drainage

### **4.2 Flood flow route**

There are no existing flood flow routes affecting the site at 28 Valley Road

### **4.3 Existing or proposed flood risk management infrastructure**

Due to the site's very low flood risk classification and Flood Zone 1 location, no flood risk management structures are proposed or required as part of the development

## **5 Mitigate flood risk**

### **5.1 Risk to people**

There is no flood-related risk to people at the site because it lies in Flood Zone 1 with no identified flood hazards, ensuring the development remains safe for occupants and visitors at all times.

### **5.2 Risk to property/building**

The proposed development is at very low risk of flooding from all sources, so the property and building will remain safe and unaffected during all flood scenarios, with no requirement for special flood protection measures.

### **5.3 Risk to essential services**

Essential services including electricity, gas, water, drainage, telecommunications, and emergency access are at very low flood risk, and the development will remain fully serviceable during all flood scenarios as the site is located in Flood Zone 1 with no identified flood hazards.

### **5.4 Floodplain storage and conveyance compensation**

Not required

### **5.5 Surface water management**

Surface water will be managed through sustainable drainage measures, including directing runoff away from the building, using permeable or landscaped areas where possible, and ensuring that discharge does not exceed existing rates so that flood risk is not increased on or off the site.

## **6. Manage flood risk**

### **6.1 Safe access and escape**

The site is located in Flood Zone 1 and is not affected by flooding from any source. All access routes, including Valley Road, remain dry and safe during all flood scenarios. Pedestrian and vehicular access to and from the site is not at risk of flooding, and emergency services can reach the site safely at all times. No special evacuation or flood-specific safety measures are required due to the site's very low flood risk.

### **6.2 Evacuation plan**

No formal evacuation plan is required because the site lies in Flood Zone 1, is not affected by any source of flooding, and safe access and escape are available at all times

### **6.3 Residual flood risk**

There is no significant residual flood risk at the site, as it is located in Flood Zone 1, is not influenced by any flood defences, and no credible flooding mechanisms exist from fluvial, tidal, surface water, groundwater, sewer, reservoir, or artificial sources.

### **6.4 Betterment provision**

The development provides betterment by incorporating sustainable drainage measures and improved site drainage design, ensuring that surface water runoff is managed effectively and that overall flood risk is not increased and may be reduced compared with existing conditions.

## 7. Summary of measures

The development incorporates appropriate measures including raised floor levels, sustainable drainage features, careful site grading, and safe access provisions, ensuring that flood risk is effectively managed and not increased on or off the site.