

## **Flood Risk Assessment**

### **Land North of The Oysters**

Furniss Way, Hayling Island,  
PO11 0FG

*for*

### **Hayling Island Builders Limited**

1140

*July 2025*

**Flood Risk Assessment**  
**Land North of The Oysters**  
**for**  
**Hayling Island Builders Limited**

| Revision | Date of issue | Comments                                                                                                                                  | Prepared By | Checked By |
|----------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|
| 1.0      | 29.07.2021    | Initial Issue                                                                                                                             | AJ          | DB         |
| 2.0      | 14.10.2021    | Layout Change                                                                                                                             | AJ          | DB         |
| 3.0      | 27.06.2022    | Updated to new template, updated to new climate change data, epoch flood information reviewed against new received flood data from the EA | AJ          | DB         |
| 4.0      | 21.07.2025    | Updated to latest 2025 SW data and Havant 2024 SF                                                                                         | CV          | DB         |
|          |               |                                                                                                                                           |             |            |

**Should you have any queries relating to this document please contact:**

David Brooke  
CGV Transport Consultants Ltd

T: 07786 440014

E: [david@cgvcivils.co.uk](mailto:david@cgvcivils.co.uk)

## Executive Summary

| Description                                                                                                                                                                                                                                                                                |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| CGV Transport Consultants has been instructed by Hayling Island Builders Limited, to produce a Flood Risk Assessment under National Planning Policy Framework (NPPF) to support the Planning Application for the site at Land North of The Oysters, Furniss Way, Hayling Island, PO11 0FG. |                                       |
| Flood Risk Assessment                                                                                                                                                                                                                                                                      |                                       |
| Coastal:<br>Fluvial:<br>Pluvial:<br>Groundwater:<br>Other sources:                                                                                                                                                                                                                         | Zone 1<br>Zone 1<br>Low<br>Low<br>Low |
| Flood Resilience Measures                                                                                                                                                                                                                                                                  |                                       |
| None required                                                                                                                                                                                                                                                                              |                                       |
| Conclusions                                                                                                                                                                                                                                                                                |                                       |
| The site is not at risk of any forms of flooding.                                                                                                                                                                                                                                          |                                       |

## Contents

|      |                                |    |
|------|--------------------------------|----|
| 1.0  | Introduction.....              | 1  |
| 2.0  | Location of Site .....         | 1  |
| 3.0  | Site Description.....          | 2  |
| 4.0  | Proposed Development.....      | 3  |
| 5.0  | Flooding Information.....      | 3  |
| 6.0  | Flood Risk Classification..... | 4  |
| 7.0  | Climate Change Allowance ..... | 6  |
| 8.0  | Flood Data .....               | 7  |
| 9.0  | Flood Risk Assessment.....     | 8  |
| 10.0 | Route of Escape .....          | 10 |
| 11.0 | Flood Compensation.....        | 10 |
| 12.0 | Summary and Conclusions .....  | 11 |

## Appendices

|            |                                             |
|------------|---------------------------------------------|
| Appendix A | Location Plan                               |
| Appendix B | Topographical Survey                        |
| Appendix C | Magic Map Geology Information               |
| Appendix D | Site Plan                                   |
| Appendix E | Environment Agency Flood Map (For Planning) |
| Appendix F | Environment Agency Flood Data               |

## 1.0 Introduction

- 1.1.1 Hayling Island Builders Limited is planning a proposed development on the site at Land North of The Oysters, Furniss Way, Hayling Island, PO11 0FG.
- 1.1.2 CGV Transport Consultants has been instructed by Hayling Island Builders Limited, to produce a Flood Risk Assessment to support the Planning Application.
- 1.1.3 This report aims to demonstrate that the site is not at risk of any form of flooding.
- 1.1.4 The general limitations of this assessment are that:
- Several data sources have been used in compiling this report. Whilst CGV Transport Consultants believe them to be trustworthy; it is unable to guarantee the accuracy of the information that has been provided by others.
  - This report is based on information available at the time of preparation. There is potential for further information to become available, which may create a need to modify conclusions drawn in this report.

## 2.0 Location of Site

- 2.1.1 The site is located north of The Oysters in Hayling Island. A location plan is enclosed in **Appendix A**.
- 2.1.2 The Local Authorities are Havant Borough Council and Hampshire County Council.

## 3.0 Site Description

### 3.1 Existing Site

- 3.1.1 The existing site is the parcel of land to the north of The Oysters. A topographical survey has been commissioned for the site and can be found in **Appendix B**.

### 3.2 Existing Geology

- 3.2.1 The geology of the site has been ascertained by reference to the 1:50,000 British Geological Survey website. The data provided on the website indicates the bedrock and superficial drift geology for the site.

- 3.2.2 The strata of the site (bedrock geology) comprises London Clay formation, described as follows:

*“London Clay Formation - Clay, Silt and Sand. Sedimentary Bedrock formed approximately 48 to 56 million years ago in the Palaeogene Period. Local environment previously dominated by deep seas. These sedimentary rocks are marine in origin. They are detrital and comprise coarse- to fine-grained slurries of debris from the continental shelf flowing into a deep-sea environment, forming distinctively graded beds.”*

- 3.2.3 The strata of the site (superficial drift) comprises River Terrace Deposits, described as follows:

*“River Terrace Deposits (undifferentiated) - Sand, Silt and Clay. Superficial Deposits formed up to 3 million years ago in the Quaternary Period. Local environment previously dominated by rivers (U). These sedimentary deposits are fluvial in origin. They are detrital, ranging from coarse- to fine-grained and form beds and lenses of deposits reflecting the channels, floodplains and levees of a river or estuary (if in a coastal setting).”*

### 3.3 Hydrogeology Setting

- 3.3.1 The Environment Agency (EA) mapping service, as provided by Magic Map, indicates the aquifer designation for the bedrock and superficial drift geology and the groundwater vulnerability in the area. The mapping, as included at **Appendix C**, provide the following information for the site:

| Geology Map                             | Site Description |
|-----------------------------------------|------------------|
| Aquifer Designation (Bedrock)           | Unproductive     |
| Aquifer Designation (Superficial Drift) | Secondary A      |
| Groundwater Vulnerability               | Medium / Low     |
| Groundwater Source Protection Zone      | None             |

## 4.0 Proposed Development

4.1.1 The proposal is for up to 29 No. new residential units. A site plan is included at **Appendix D**.

## 5.0 Flooding Information

5.1.1 As set out in the National Planning Policy Framework (NPPF), inappropriate development in areas at risk of flooding should be avoided by directing development away from areas at highest risk, but where development is necessary, making it safe without increasing flood risk elsewhere. For these purposes:

- “areas at risk of flooding” means land within Flood Zones 2 and 3; or land within Flood Zone 1 which has critical drainage problems, and which has been notified to the local planning authority by the Environment Agency;
- “flood risk” means risk from all sources of flooding - including from rivers and the sea, directly from rainfall on the ground surface and rising groundwater, overwhelmed sewers and drainage systems, and from reservoirs, canals and lakes and other artificial sources.

5.1.2 Flooding information for Planning from the Environment Agency (EA) has indicated the site is located within Flood Zone 1, as found in the map at **Appendix E**.

5.1.3 As the site is within Flood Zone 1, no further data was required from the Environment Agency to support versions 1.0, 2.0 and 3.0 of this report.

5.1.4 There is a potential risk of flooding on the SFRA mapping using epoch baselines, which will be assessed in this report. To support this, further data was requested from the Environment Agency and can be found at **Appendix H**.

5.1.5 As part of the data capture, data and mapping from the Havant Strategic Flood Risk Assessment (SFRA) was sought. This will be included and referenced in the relevant sections below.

## 6.0 Flood Risk Classification

- 6.1.1 The data on the EA's website in their updated mapping, shows the site has a "very low" risk of flooding.
- 6.1.2 The EA confirmed that the proposed development site is located in Flood Zone 1 for Planning.
- 6.1.3 According to Table 2 of National Planning Policy Framework (NPPF), the development, being residential, is classed as 'more vulnerable'.
- 6.1.4 According to NPPF Table 3 'Flood Risk Vulnerability and Flood Zone Compatibility', the development should be permitted.

**Table 3: Flood risk vulnerability and flood zone 'compatibility'**

| Flood risk vulnerability classification (see table 2) |                               | Essential infrastructure | Water compatible | Highly vulnerable       | More vulnerable         | Less vulnerable |
|-------------------------------------------------------|-------------------------------|--------------------------|------------------|-------------------------|-------------------------|-----------------|
| Flood zone (see table 1)                              | Zone 1                        | ✓                        | ✓                | ✓                       | ✓                       | ✓               |
|                                                       | Zone 2                        | ✓                        | ✓                | Exception Test required | ✓                       | ✓               |
|                                                       | Zone 3a                       | Exception Test required  | ✓                | ✗                       | Exception Test required | ✓               |
|                                                       | Zone 3b functional floodplain | Exception Test required  | ✓                | ✗                       | ✗                       | ✗               |

**Key:**      ✓ Development is appropriate.  
                  ✗ Development should not be permitted.

## **6.2 Sequential Test**

- 6.2.1 Local Planning Authorities (LPA) are encouraged to take a risk-based approach to proposals for development in or affecting flood risk areas through the application of the Sequential Test and the objectives of this test are to steer new development away from high-risk areas towards those at lower risk of flooding.
- 6.2.2 However, in some areas where developable land is in short supply, there can be an overriding need to build in areas that are at risk of flooding. In such circumstances, the application of the Sequential Test is used to ensure that the lower risk sites are developed before the higher risk ones.
- 6.2.3 NPPF (PPG25) states that the Sequential Test should be applied at all stages of the planning process and the starting point is generally the Environment Agency's flood zone maps.
- 6.2.4 These maps and the associated information are intended for guidance and cannot provide details for individual properties. They do not consider other considerations such as existing flood defences, alternative flooding mechanisms and detailed site-based surveys. They do, however, provide high level information on the type and likelihood of flood risk in any area of the country.
- 6.2.5 The site is within Flood Zone 1 and so does not require a sequential test assessment.

## **6.3 Exception Test**

- 6.3.1 The Exception Test is an additional test to be applied by decision-makers following application of the Sequential Test. The Exception Test has two elements as shown below, both of which must be satisfied for development in a flood risk area to be considered acceptable.
- 6.3.2 The Exception Test is only appropriate for use when there are large areas in Flood Zones 2 and 3, where the Sequential Test alone cannot deliver acceptable sites, but where some continuing development is needed for wider sustainable development reasons, considering the need to avoid social or economic blight and the need for essential civil infrastructure to remain operational during floods.
- 6.3.3 For the Exception Test to be passed:
  - a. It must be demonstrated that the development provides wider sustainability benefits to the community that outweigh flood risk, informed by a SFRA; and,
  - b. A site-specific FRA must demonstrate that the development will be safe for its lifetime, without increasing flood risk elsewhere and, where possible, reducing flood risk overall.
- 6.3.4 The site does not require an exception test in accordance with NPPF.

## 7.0 Climate Change Allowance

- 7.1.1 Climate change allowances, as set out by the Government guidance, are predictions of anticipated change for peak river flow, peak rainfall intensity, sea level rise and offshore wind speed / extreme wave height.
- 7.1.2 To increase resilience to flooding and coastal change, allowances for climate change are considered in any flood risk assessment.
- 7.1.3 The allowances are based on percentiles from UKCP18 climate change prediction data. A percentile is a measure used in statistics. They describe the proportion of possible scenarios that fall below an allowance level. The:
- Central allowance is based on the 50th percentile
  - Higher central allowance is based on the 70th percentile
  - Extreme allowance is based on the 95th percentile
- 7.1.4 To manage river flooding in on the site, any flood assessment should use the:
- Central allowance as your design allowance
  - Higher central allowance to test the impacts of higher scenarios of climate change and any extra mitigation
  - Extreme allowance to test your option under more extreme climate change and exceedance events
  - 2080s epoch allowances for changes beyond the 2080s epoch and up to 2115

## 7.2 Climate Change Allowances

- 7.2.1 The Environment Agency have prepared a River Catchment map (**Climate change allowances for peak river flow in England (data.gov.uk)**) that identifies the percentage allowances required for a specific postcode.

| Baseline | Central    | Higher     | Upper      |
|----------|------------|------------|------------|
| 2020s    | 19%        | 24%        | 37%        |
| 2050s    | 22%        | 30%        | 51%        |
| 2080s    | <b>37%</b> | <b>51%</b> | <b>88%</b> |

## 8.0 Flood Data

- 8.1.1 Havant Borough Council Coastal Partners objected to the Planning Application, stating that there was evidence within the PfSH SFRA that indicated that the site would be at risk using an epoch baseline. The following zones are present within the site:

| Baseline | Model Outline          | Affects the Site |
|----------|------------------------|------------------|
| 2025     | Fluvial FZ3 2025 (WMS) | NO               |
|          | Tidal FZ2 2025 (WMS)   | NO               |
|          | Tidal FZ3 2025 (WMS)   | NO               |
| 2055     | Fluvial FZ3 2055 (WMS) | NO               |
|          | Tidal FZ2 2055 (WMS)   | NO               |
|          | Tidal FZ3 2055 (WMS)   | NO               |
| 2085     | Fluvial FZ3 2085 (WMS) | NO               |
|          | Tidal FZ2 2085 (WMS)   | NO               |
|          | Tidal FZ3 2085 (WMS)   | NO               |
| 2085     | Fluvial FZ3 2115 (WMS) | NO               |
|          | Tidal FZ2 2115 (WMS)   | NO               |
|          | Tidal FZ3 2115 (WMS)   | NO               |

- 8.1.2 The Environment Agency provided tidal flood levels for the site, following a new data request. These levels have been taken from the East Solent Coastal model that was produced in 2018 by JBA Consulting. The resulting water levels are as follows:

| Year | 1 in 200 Year (0.5% AEP)<br>Flood Zone 3 | 1 in 1000 Year (0.1% AEP)<br>Flood Zone 3 |
|------|------------------------------------------|-------------------------------------------|
| 2015 | 3.32                                     | 3.51                                      |
| 2065 | 3.65                                     | 3.83                                      |
| 2115 | 4.07                                     | 4.26                                      |

- 8.1.3 The report uses different baselines for the tidal flood model, so there is no requirement to apply additional climate change uplift to the flood levels.

## **9.0 Flood Risk Assessment**

### **9.1 Fluvial Flooding Risk**

- 9.1.1 The Environment Agency flood information indicates some risk from fluvial sources on the site in the epoch tidal events. The design flood level for the 2015 baseline is 3.32m AOD, for the 2065 baseline is 3.65m AOD and for the 2115 baseline is 4.07m AOD.
- 9.1.2 The ground level on site varies but higher than all noted tidal flood levels. Therefore, it can be stated that there is no risk from fluvial flooding on the site.

### **9.2 Historic Flood Data**

- 9.2.1 The Environment Agency and Havant SFRA have no information indicating that the site was flooded historically from fluvial sources.

### **9.3 Groundwater**

- 9.3.1 Groundwater flooding is caused by the emergence of water originating from sub-surface permeable strata. A ground water flood event results from a rise in ground water level, sufficient for the water table to intersect the ground surface and inundate low lying land. Groundwater floods may emerge from either a single point or diffuse locations.
- 9.3.2 The underlying strata throughout the area and investigations into the SFRA geology data suggest that there is a risk of groundwater emergence which is likely to relate to the geology of the area. However, groundwater flooding risks are often highly localised, and dependent upon geological interfaces between permeable and impermeable subsoils. Therefore, sustainable construction techniques for surfacing will minimise any potential groundwater risk.
- 9.3.3 The Havant SFRA indicates that the site is within an area with low permeability but does not identify any historic groundwater flood incidents.

### **9.4 Flooding from Sewers**

- 9.4.1 Flooding from sewers can occur because of different reasons; if sewers are blocked during the heavy rainfalls, or if a sewer cannot provide adequate capacity, then flooding can cause a large amount of damage.
- 9.4.2 The Havant SFRA has no information indicating the site has been flooded by artificial sources historically.

### **9.5 Flooding from Reservoirs**

- 9.5.1 Reservoir flooding is extremely unlikely to happen. There has been no loss of life in the UK from reservoir flooding since 1925. All large reservoirs must be inspected and supervised by reservoir panel engineers. As the enforcement authority for the Reservoirs Act 1975 in

England, the Environment Agency ensures that reservoirs are inspected regularly, and essential safety work is carried out.

9.5.2 However, in the unlikely event that a reservoir dam failed, a large volume of water would escape at once and flooding could happen with little or no warning. If the site is within a risk area, plans should be made for safe evacuation and escape. Residents may need to evacuate immediately, know the safest route to safety, and be ready to follow the advice of emergency services.

9.5.3 The EA data indicates that the site is at no risk from reservoir flooding.

## **9.6 Surface Water Flooding**

9.6.1 Overland flow / surface water flooding typically arise because of intense rainfall, often of short duration, that is unable to soak into the ground or enter drainage systems. It can run quickly off land and result in localised flooding.

9.6.2 The Environment Agency has produced illustrative mapping (Flood Map for Surface Water) relating to flooding risks from surface water. They are classified as Flood Hazard Maps for the purpose of the Flood Risk Regulations 2009. These maps are the next generation on from the previous "Area Susceptible to Surface Water Flooding" maps, which are contained within the SFRA.

9.6.3 The EA maps show high resolution image and indicative flow paths for pluvial events. The maps are based on coarse level data and indicate ridges, valleys and flat spots where water would collect. Typically, the flow paths follow valleys, rivers and watercourses.

9.6.4 The surface water maps and the associated information are intended for guidance only and cannot provide details for individual properties. They do, however, provide high level information and indicate areas in which surface water flooding issues should be investigated further. The risk categories are classified as follows:

- Very low probability of flooding – This zone is assessed as having less than a 1 in 1000 annual probability of surface water flooding.
- Low probability of flooding – This zone comprises land assessed as having between a 1 in 100 and 1 in 1000 annual probability of surface water flooding.
- Medium probability of flooding - This zone comprises land assessed as having between a 1 in 30 and 1 in 100 annual probability of surface water flooding.
- High probability of flooding – This zone is assessed as having greater than a 1 in 30 annual probability of surface water flooding.

9.6.5 A review of the EA mapping indicates there is no/minimal risk of surface water flooding to the site.

## 10.0 Route of Escape

10.1.1 In an extreme storm event, there is not likely to be flood water on site and safe escape can be achieved via the main access to site.

10.1.2 It is not envisaged that there would be any problem for access of emergency vehicles in an extreme storm event as there is no flood depth unless the extreme storm scenario occurs. Emergency vehicles may operate in depths of 0.5m with velocity of 5 metres per second (with some operating at depths of 1m).

10.1.3 The Planning Authority must be in consultation with the emergency services as to the appropriate access and safe routes for the site during an extreme storm event, in accordance with Section 13.S3.3 of the FRA Guidance for New Developments. Emergency Response Plans for the local area are available on the council website and would require updating for the proposed residence. It is not envisaged that there will be any additional burden on emergency services during a flood event.

10.1.4 General Evacuation Advice:

- Avoid walking or driving through flood water, as only 150mm of fast flowing flood water is able to knock a person over and 600mm is able to float a car. Flooding can cause manhole covers to come off, leaving hidden dangers.
- Do not walk on sea defences or riverbanks.
- Take care or avoid crossing bridges when water levels are high.
- Take care crossing culverts as they are dangerous when flooded.
- Look out for other hazards such as fallen power lines and trees.
- Keep Children away from flood water.
- Wash hands thoroughly if you come into contact with flood water as it may be contaminated with sewage.
- Always follow the advice provided at the time by the Emergency Services. The Emergency Services may direct you to a Local Authority Evacuation Centre, which has been specially prepared for people being evacuated from their homes. Free food and bedding is provided, however spare clothing should be taken, essential medication and any baby care products should an infant be involved in the evacuation.

## 11.0 Flood Compensation

11.1.1 The site is not within a Flood Zone for planning so there is no statutory requirement to assess the requirement for flood compensation.

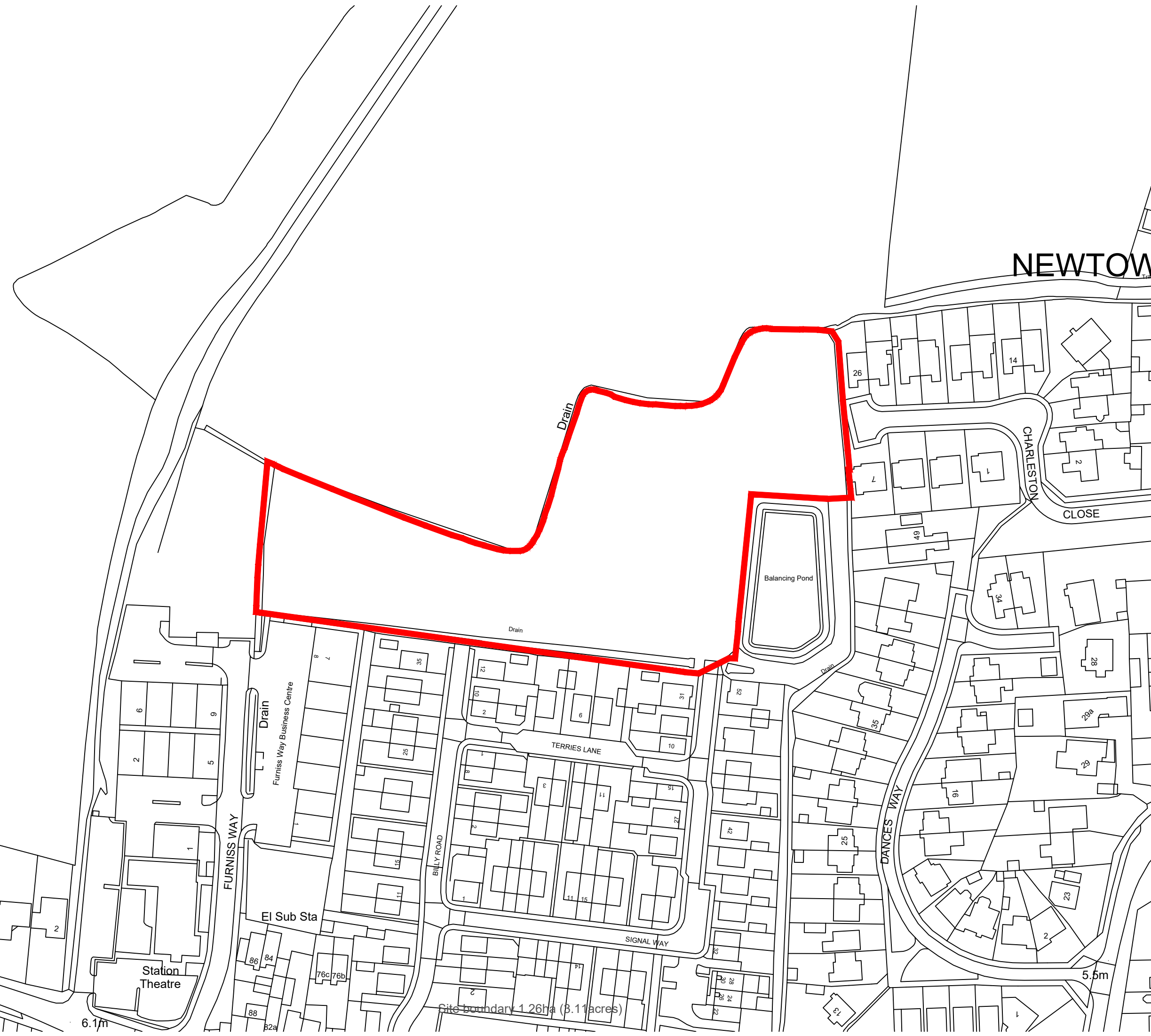
## **12.0 Summary and Conclusions**

- 12.1.1 Hayling Island Builders Limited is planning a proposed development on the site at Land North of The Oysters, Furniss Way, Hayling Island, PO11 0FG.
- 12.1.2 CGV Transport Consultants has been instructed by Hayling Island Builders Limited, to produce a Flood Risk Assessment under National Planning Policy Framework (NPPF) to support the Planning Application.
- 12.1.3 The Environment Agency mapping indicates that the site is within Flood Zone 1 and has a very low risk of fluvial flooding.
- 12.1.4 All other sources of flooding for the site have been investigated and shown to be of minimal or no risk.
- 12.1.5 The proposed development is appropriate and sustainable in the terms as set out in NPPF.

## Appendix A

### Location Plan

Site boundary 1.26ha (3.11acres)



Project  
Land North of the Oysters

Drawing Title  
Site Location Plan

|            |               |          |          |
|------------|---------------|----------|----------|
| Date       | Scale         | Drawn by | Check by |
| 08/03/2021 | 1:1,250 at A3 | ML       | SR       |
| Project No | Drawing No    | Revision |          |
| 1239       | 001           | -        |          |

## Appendix B

### Topographical Survey

Building extents surveyed remotely.  
Due to limited access some extents may be omitted.  
Some lines may be shown at first floor level.  
Some lines may be presumed.  
Data may be omitted or obstructed.



## Appendix C

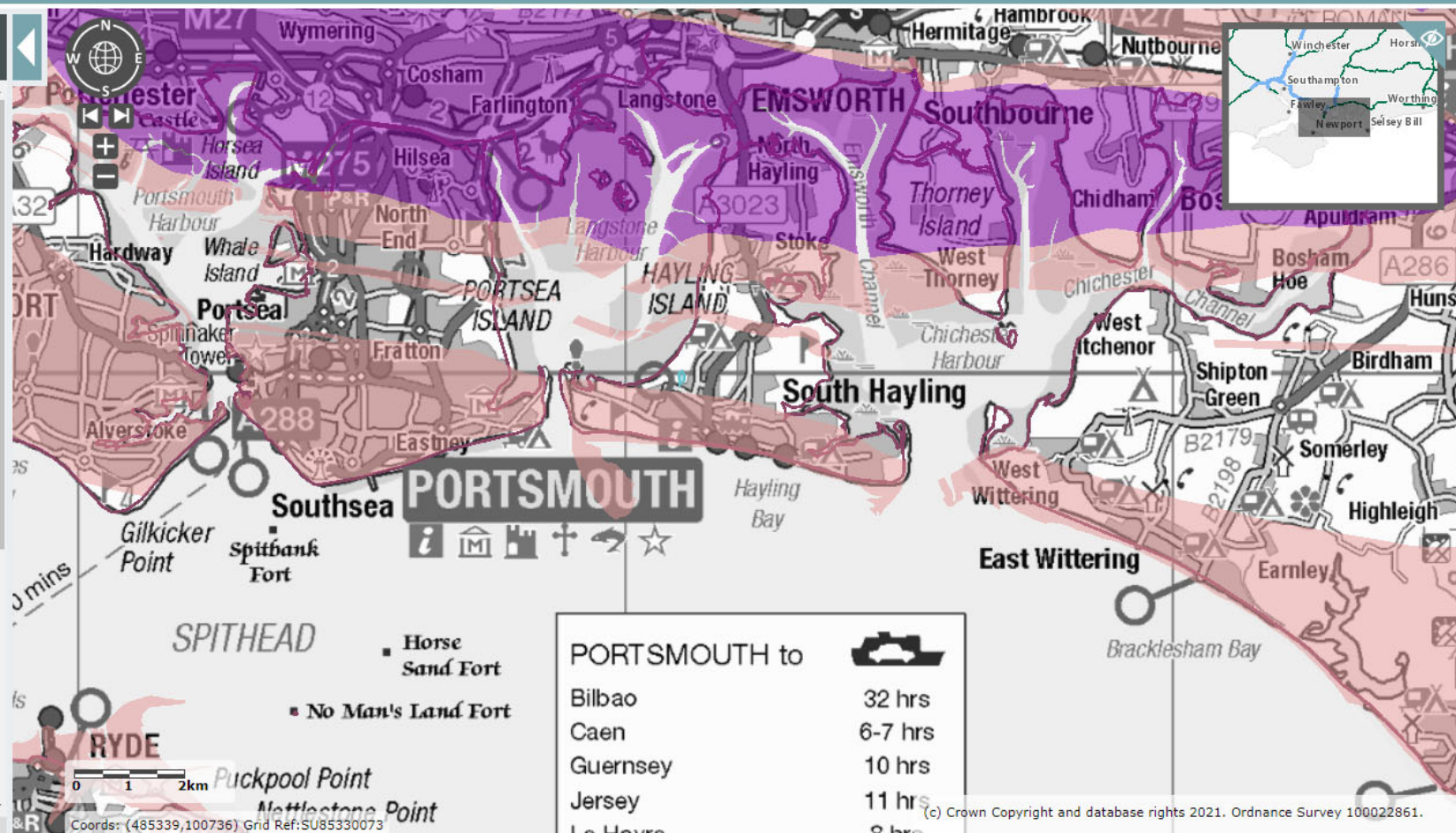
### Magic Map Geology Information

## Table of Contents

- ☐ Access
- ☐ Administrative Geographies
- ☐ Countryside Stewardship Targeting & Scoring Layers
- ☐ Designations
- ☐ Habitats and Species
- ☐ Land Based Schemes
- ☒ Landscape

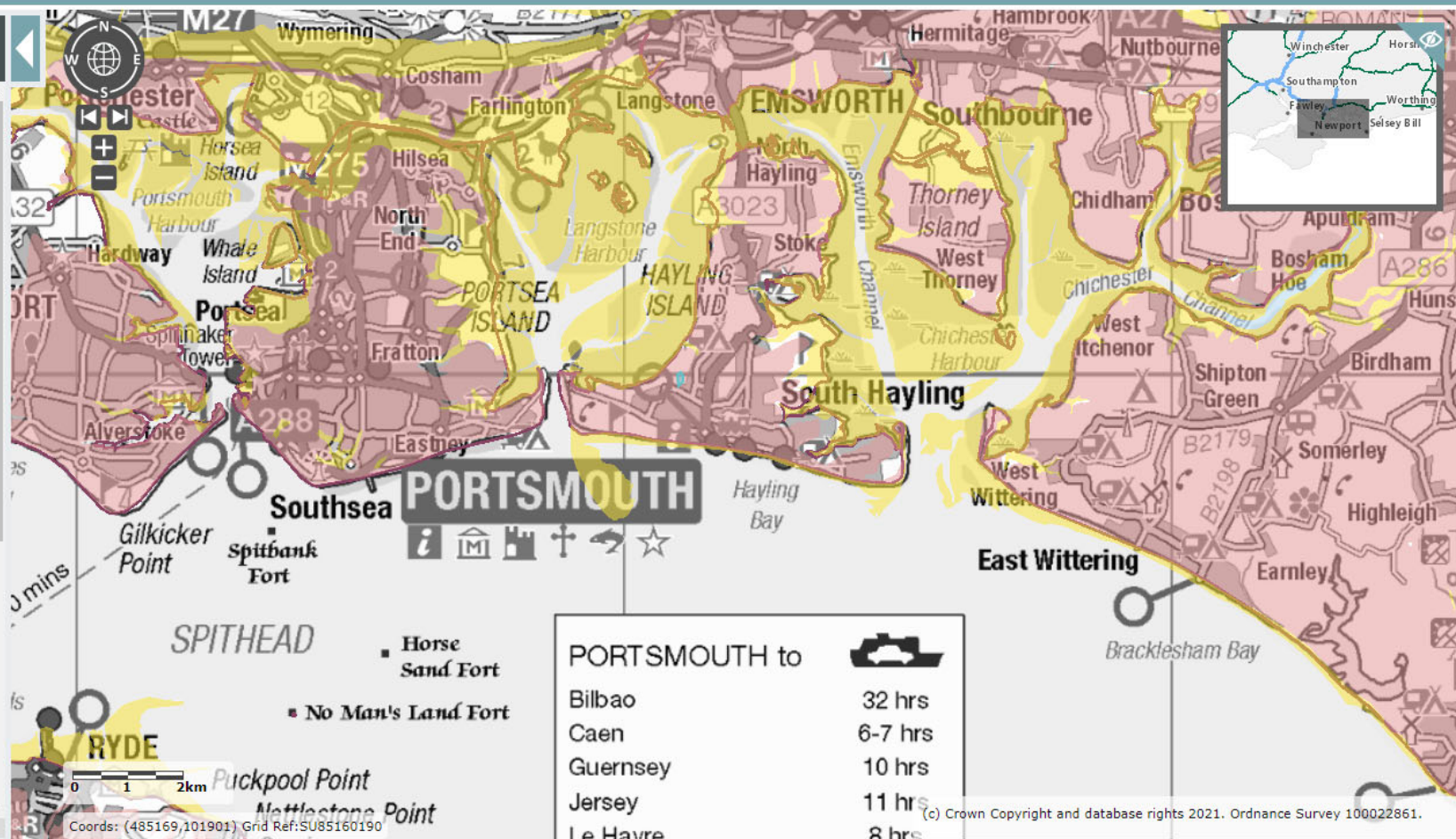
☒ Geology and Soils☒ Aquifer Designation Map (Bedrock) (England)

- Principal
- Secondary A
- Secondary B
- Secondary (undifferentiated)
- Unproductive

☐ Aquifer Designation Map (Superficial Drift) (England)☐ Groundwater Vulnerability Map (England)☐ Geological Places to Visit (England)☐ Geological Descriptions

## Table of Contents

- ☐ Access
- ☐ Administrative Geographies
- ☐ Countryside Stewardship Targeting & Scoring Layers
- ☐ Designations
- ☐ Habitats and Species
- ☐ Land Based Schemes
- ☒ Landscape
- ☒ Geology and Soils
  - ☐ Aquifer Designation Map (Bedrock) (England)
  - ☒ Aquifer Designation Map (Superficial Drift) (England)
  - ☐ Principal
  - ☐ Secondary A
  - ☐ Secondary B
  - ☐ Secondary (undifferentiated)
  - ☐ Unknown (lakes+landslip)
  - ☐ Unproductive
  - ☐ Groundwater Vulnerability Map (England)
  - ☐ Geological Places to Visit (England)



## Table of Contents

☐ + Countryside Stewardship Targeting & Scoring Layers☐ + Designations☐ + Habitats and Species☐ + Land Based Schemes☒ - Landscape☒ Geology and Soils☐ + Aquifer Designation Map (Bedrock) (England)☐ + Aquifer Designation Map (Superficial Drift) (England)☒ Groundwater Vulnerability Map (England)

Local Information

Soluble Rock Risk

High

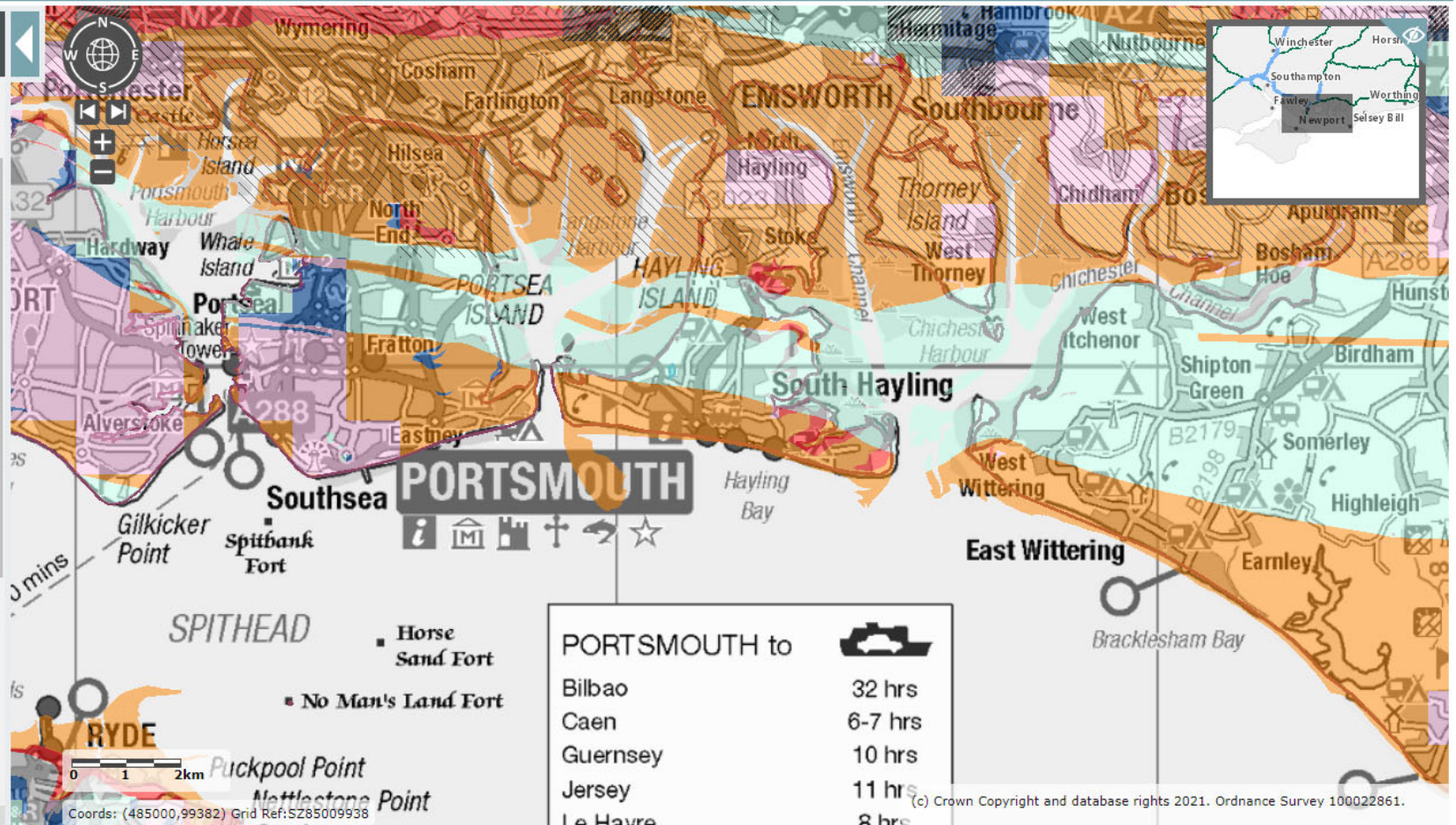
Medium - High

Medium

Medium - Low

Low

Unproductive

☐ ● Geological Places to Visit (England)☐ □ Geological Descriptions (England)

## Appendix D

### Site Plan



0 50  
metres  
(1:1,250)

Site boundary 1.24ha (3.06acres)

Project  
Land North of the Oysters

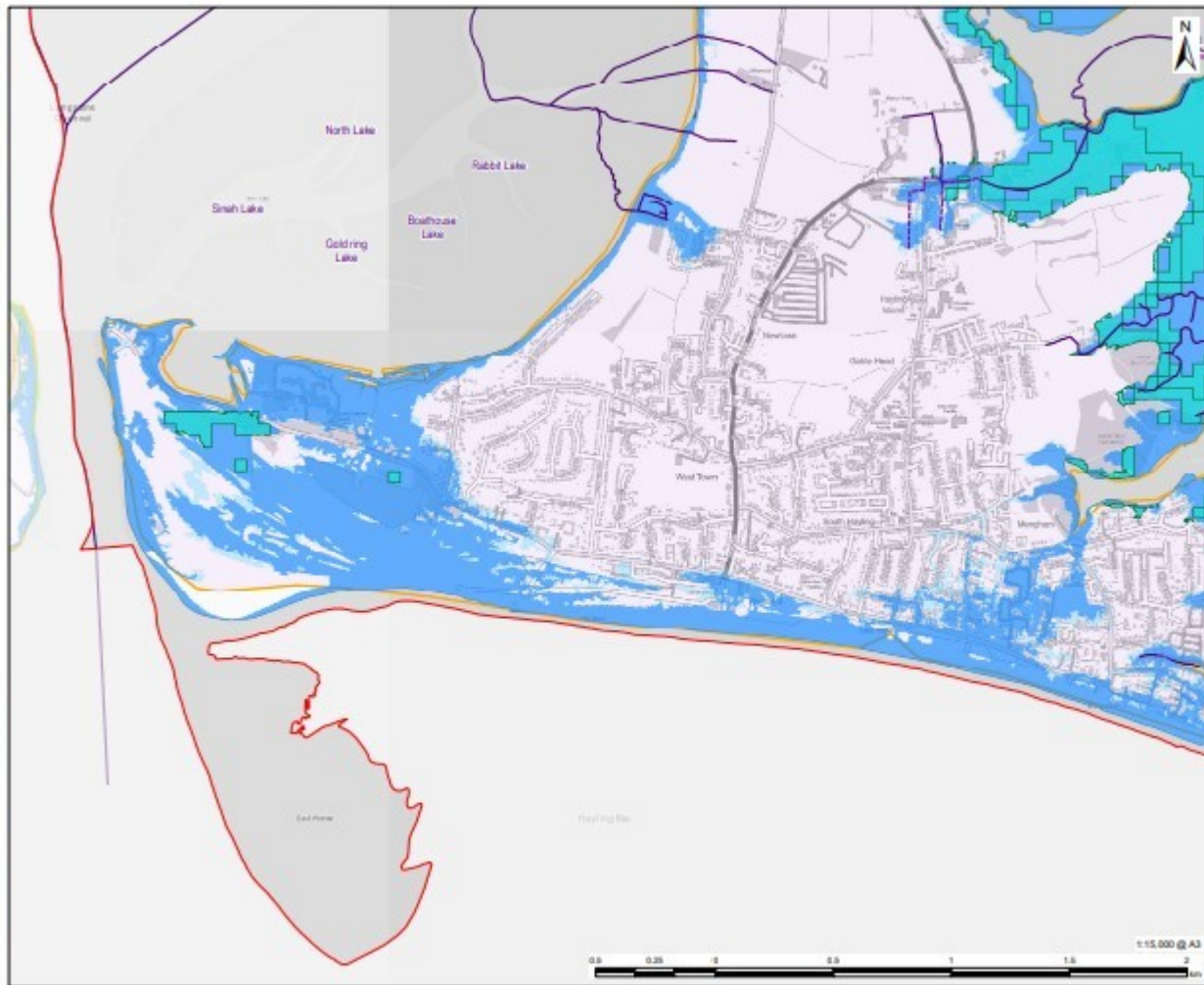
Drawing Title  
Illustrative Masterplan

|                    |                        |                |                |
|--------------------|------------------------|----------------|----------------|
| Date<br>13/10/2021 | Scale<br>1:1,250 at A3 | Drawn by<br>CT | Check by<br>SR |
| Project No<br>1239 | Drawing No<br>003      | Revision<br>J  |                |

Mosaic

## Appendix E

### Environment Agency Flood Map (For Planning)



**AECOM**

**PROJECT**  
Partnership for South Hampshire Strategic Flood Risk Assessment

**CLIENT**  
Portsmouth City Council on behalf of Havant Borough Council

**CONSULTANT**  
AECOM Limited  
Buckley House  
4 Bedford Park  
Croydon, CR9 2AP  
www.aecom.com

**LEGEND**

- Havant Borough Boundary
- Reduction in Risk of Flooding from Rivers and Sea due to Defences
- Catchments
- Flood Zone 2
- Flood Zone 3
- Total Flood Extent, Defended 12% ACP

**Watercourses**

- Surface
- Below Surface

**OVERVIEW**

**NOTES**

© Environment Agency copyright and/or database right 2023.  
Reproduced from Ordnance Survey digital map data © Crown copyright 2023. All rights reserved. Licence number 100011073. Some features of this map are based on digital spatial data from the Centre for Survey & Hydrology, © NERC, (2015) © Crown copyright and database right 2023. Ordnance Survey 100014195.  
Additional features provided by Hampshire County Council, March 2023.  
This map is intended to provide a strategic overview and should not be used to assess individual properties. Refer to the accompanying SFRS Report for details of the data and purpose of this use.

**ISSUE PURPOSE**  
For Information

**PROJECT NUMBER**  
60652132

**FIGURE TITLE**  
Flood Zones  
Sheet 6 of 7

**FIGURE NUMBER**  
Figure 15

## Get a boundary report

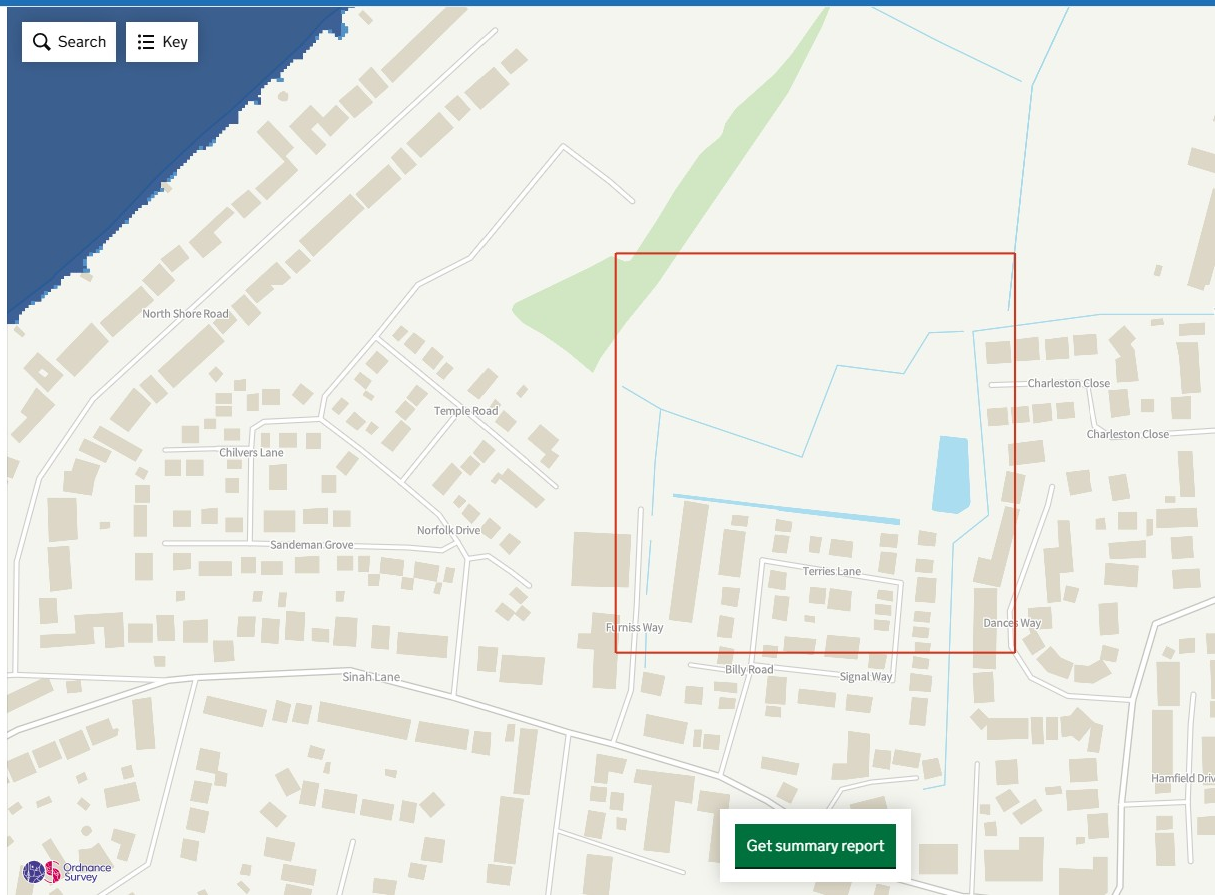
-  Edit
-  Delete

## Datasets

- ☒ Flood zones 2 and 3
- ☐ River and sea with defences
- ☐ River and sea without defences
- ☐ Surface water
- ☐ None

## Map features

- ☐ Water storage
- ☐ Flood defence
- ☐ Main Rivers



## Get a boundary report

☐ Edit☐ Delete

## Datasets

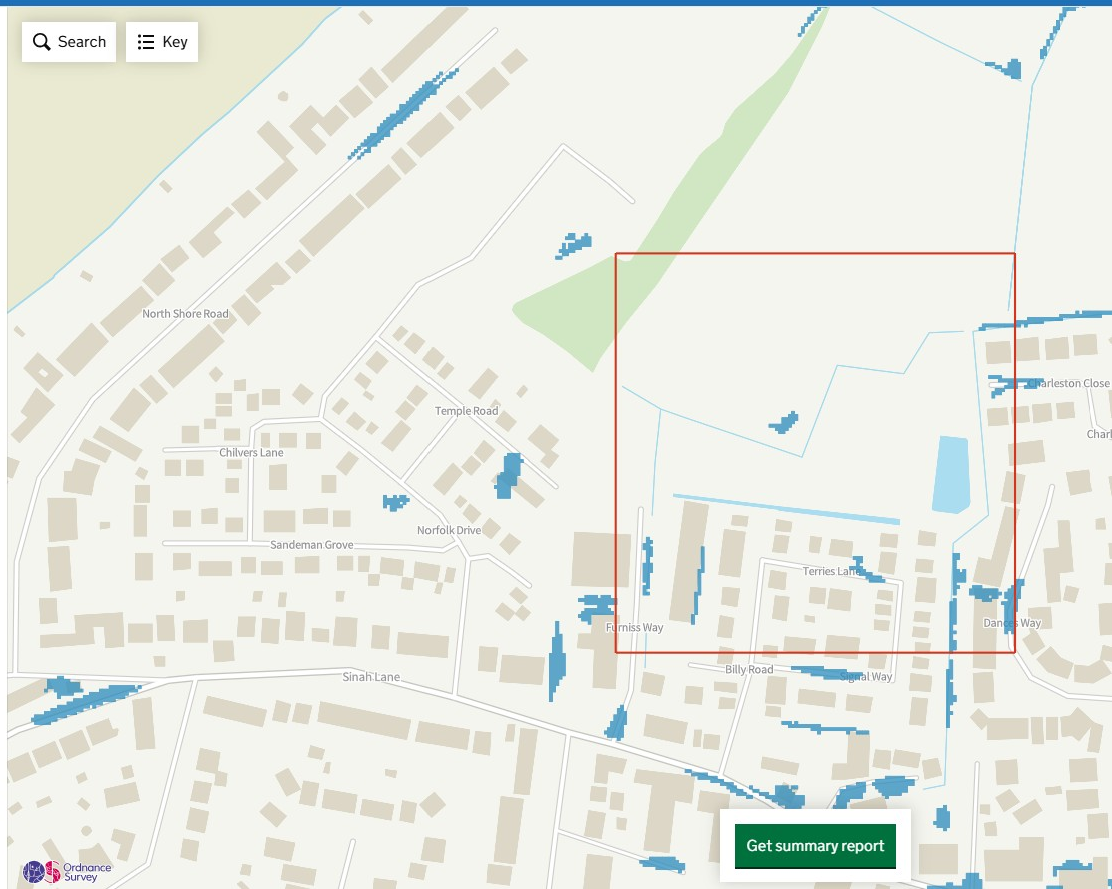
- ☐ Flood zones 2 and 3
- ☐ River and sea with defences
- ☐ River and sea without defences
- ☒ Surface water
- ☐ None

## Annual likelihood of flooding

- ☐ 1 in 30
- ☒ 1 in 100
- ☐ 1 in 1000

## Map features

- ☐ Water storage
- ☐ Flood defence
- ☐ Main Rivers



## Appendix F

### Environment Agency Flood Data

## Defences Centred on Saltmarsh Lane - Created 23 June 2022



### Legend

asset\_id

- 45739
- 182062
- 182063
- 459642
- 459738
- 470019

| Asset ID | Asset sub-type         | Length | Maintainer                             | Current condition | Design Standard of Protection | Date of last inspection | Actual downstream crest level (mAOD) | Actual upstream crest level (mAOD) | Effective crest level (mAOD) |
|----------|------------------------|--------|----------------------------------------|-------------------|-------------------------------|-------------------------|--------------------------------------|------------------------------------|------------------------------|
| 45739    | Embankment             | 150.98 | Environment Agency                     | Fair              | 1:25                          | 30/03/2022              | 3.46                                 | 3.48                               | 2.95                         |
| 182062   | Natural High Ground    | 135.59 | Private individual, Company or Charity |                   | 1:25                          | 30/03/2022              |                                      |                                    |                              |
| 182063   | Natural High Ground    | 136.75 | Private individual, Company or Charity |                   | 1:25                          | 30/03/2022              |                                      |                                    |                              |
| 459642   | Engineered High Ground | 356.3  | Unknown                                |                   |                               | 04/10/2021              |                                      |                                    | 4.15                         |
| 459738   | Engineered High Ground | 345.3  | Unknown                                |                   |                               | 04/10/2021              |                                      |                                    | 4.40                         |
| 470019   | Engineered High Ground | 407.53 | Unknown                                |                   |                               | 04/10/2021              |                                      |                                    | 4.60                         |

1:5,189 \*  
\*when printed at A4.

