

Furners Lane, Henfield

Flood Risk Assessment

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1. Introduction

ABSTRACT Consulting have been appointed by Elivia Homes Eastern to prepare a Flood Risk Assessment (FRA) to support a planning application for a new development of 29 dwellings.

The purpose of this FRA is to support a planning application by establishing the risk of flooding to the proposed development. Suitable mitigation methods will be recommended where required to reduce any potential risk to a more acceptable level. The FRA will show that the development will be safe for its lifetime (assumed to be 100 years) considering the vulnerability of the users, without increasing flood risk elsewhere.

This FRA will consider risk from tidal, fluvial, surface water, groundwater, sewer, and artificial sources in accordance with the National Planning Policy Framework and the corresponding Planning Practice Guidance and the Non Statutory Technical Standards for Sustainable Drainage Systems.

1.1. Site Address / Location

Furners Lane, Henfield, West Sussex, BN5 9HS

Ordnance Survey Grid TQ 217 161

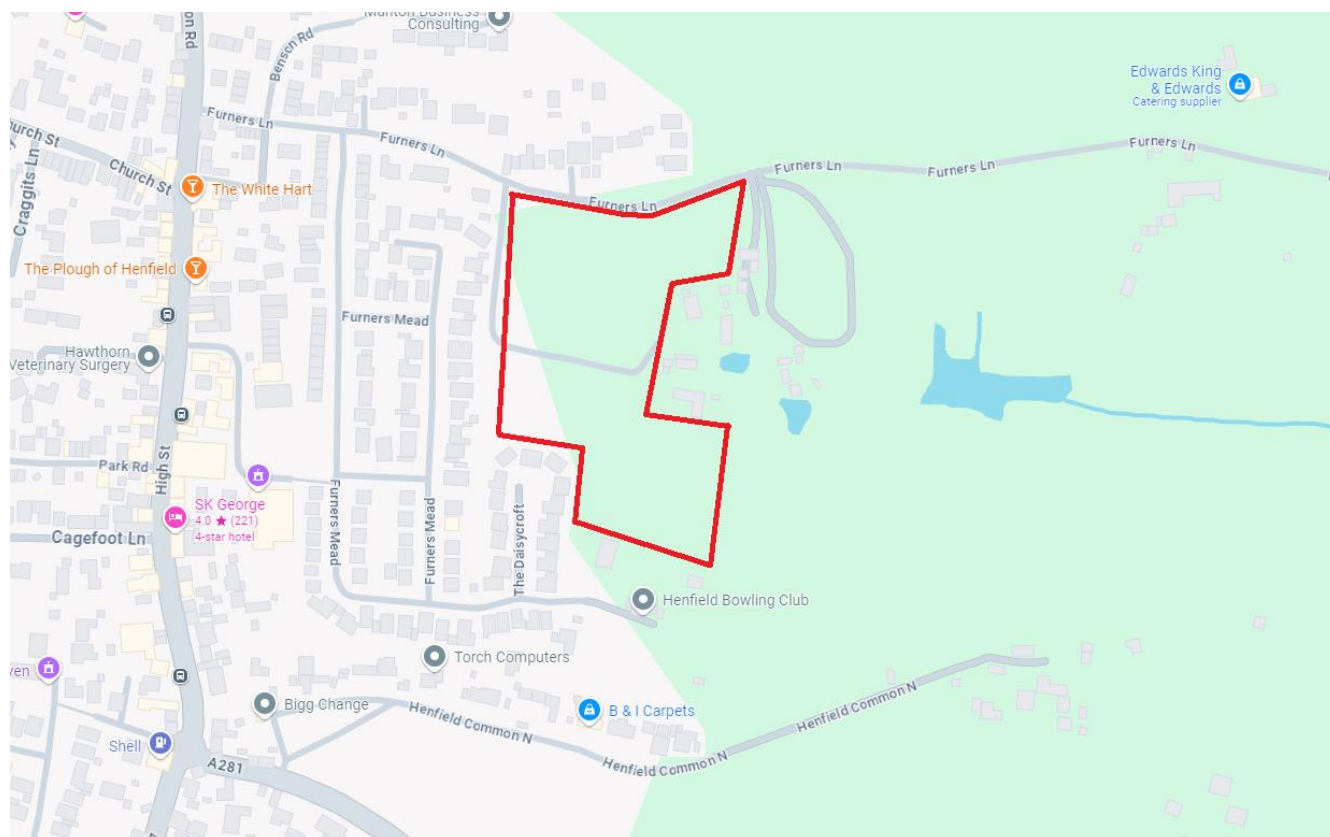


Figure 1 – Site Location Plan

1.2. Description of Site

1.2.1. Site

The site extends to 2.90ha and is located within the administrative boundary of Horsham District Council. The site comprises a greenfield with a track running through it which serves several dwellings on the eastern side of the site.

1.2.2. Surrounding Area

The site is immediately south of Furners Lane

To the west is the village of Henfield, whilst to the south is Henfield Bowling Club. There are further fields and small areas of woodland to the north and east.

1.2.3. Access

The site is accessed via an existing track, accessed off Furners Lane (public highway), beyond the existing track access Furners Lane changes to private. The existing access onto the development will be upgraded and formalised into a junction whilst the development is built out.

1.3. Description of Development

The development will comprise 29 dwellings along with associated access roads, parking areas, driveways, and landscaping. A proposed site layout can be found in Appendix A.

2. Site Information

2.1. Topography

The topographic survey of the site in Appendix B shows that the site generally falls from a high point at the south west of the site towards a low point at the north east of the site. Site levels shown on the topographic survey are to ordnance datum and generally range from 31.50 in the south western corner to 29.70 in the north eastern corner. There is a corner in the south east which is higher than this (highest level is 33.20), however this part of the site will remain green post development.

2.2. Hydrology

The nearest open water feature is a pond to the east of the site, approximately 60m away and 1m below the site. This is the first of a small series of ponds to the east of the site. However, levels continue to fall away from the site to the east as evidenced by the watercourse flowing east away from this series of ponds.

2.3. Geology

The British Geological Society (BGS) mapping for the site shows the site to underlain by the Lower Greensand Group – Sandstone, silty. Mapping is included within Appendix C.

Nearby BGS borehole backs this up and a log is presented in Appendix C which shows clay beneath the sandstone.

2.4. Hydrogeology

Online mapping provided by Magic Maps shows the site is underlain by a Principal aquifer, with a groundwater vulnerability of Medium High to High.

The mapping also shows that the site is not within a Source Protection Zone. Mapping is included within Appendix C.

2.5. Existing Sewer Drainage

The area around the proposed development is served by Southern Water for sewerage and a copy of the sewer records can be found in Appendix D. The records show that there is a Southern Water foul water sewer to the north west of the site entrance. The nearest surface water sewer is further west, along Furners Lane.

It is not anticipated that there will be any existing drainage within the site boundary.

2.6. Internal Drainage Board

The site does not lie within any internal drainage board area.

3. Source of Information

A number of online mapping services have been used to gather information on the site, these can be found in Appendix C.

3.1. Environment Agency

The EA Flood Zone mapping shows the site to be within Flood Zone 1, meaning that there is a less than 1:1000 year probability of flooding from fluvial sources.

The EA Flood Risk from Surface Water takes into account the likelihood of surface water flooding from rainfall events. This shows the site to be at Very Low risk of flooding, with some areas of High in the areas around the site.

3.2. Local Authorities

The Lead Local Flood Authority (LLFA) for the area is Horsham District Council.

The West Sussex County Council Preliminary Flood Risk Assessment shows no particular flood risk to the site.

4. Flood Risk

4.1. Fluvial / Tidal Flood Risk

The EA flood zone map shows that the site is classified as Flood Zone 1, representing a less than 1:1000 year probability of flooding from fluvial sources. The nearest open water (a pond) is approximately 60m to the east and 1m below the site. This is the first of a small series of ponds to the east of the site. However, levels continue to fall away from the site to the east as evidenced by the watercourse flowing east away from this series of ponds. Therefore, these pose a low flood risk.

As the site is within Flood Zone 1 the EA will not have any detailed flood risk modelling for the site.

The West Sussex County Council Preliminary Flood Risk Assessment Historical Flood Map information shows no record of any historic flooding within the site. However, there was a flooding incident within Henfield to the east of the site. No specific details on this event were available.

4.2. Surface Water Flooding

Large rainfall events can overwhelm the local infiltration and drainage capacity leading to localised flooding and surface water flowing overland. Surface water flooding can also be caused by a reduction in the capacity of the local surface water drainage due to blockage.

The site topographic survey shows that the site falls from a point on the south western boundary to the north eastern boundary, therefore surface water is likely to be conveyed away from the site towards the open fields and highway to the north east. The EA's surface water flood map shows the site to be at very low risk of flooding from pluvial sources.

The proposed site layout shows that impermeable area will be increased post development. However, by employing the drainage strategy discussed in Section 6 we can ensure that surface water flood risk will not be increased as a result of the development through the use of a restricted outfall, set to the Greenfield QBar runoff rate, to ensure that offsite flows are not increased post development.

Therefore, the overall risk of pluvial flooding to the site can be considered low.

Due to surface water flooding likely increasing in the future due to the effects of climate change this should be accounted for in the surface water drainage strategy.

4.3. Groundwater Flood Risk

Groundwater flooding generally occurs after long periods of sustained high rainfall. High rainfall means more water will infiltrate into the ground and cause the water table to rise above normal levels. Groundwater tends to flow from areas of higher ground level to areas of lower ground level. Low lying areas typically have the water table at shallower depths, but during very wet periods this can raise to the surface causing groundwater flooding.

Geological mapping shows the site to be underlain by the Lower Greensand Group – Sandstone, silty. The site is generally higher than the ground levels to the east and it is unlikely that groundwater flooding will be an issue on this site.

As the proposed development does not include any basement works and taking into account the above the risk of groundwater flooding to the site is assessed as low.

4.4. Sewer Flood Risk

Flooding of sewers is typically caused by either a blockage of the system reducing the capacity, or an excess of surface water entering the system overwhelming the sewer.

The Southern Water sewer records show that there is a Southern Water foul water sewer to the north west of the site entrance. The nearest surface water sewer is further west, along Furners Lane.

Post development all surface water will be dealt with via discharge to ground as described in Section 6 which will further decrease the flood risk.

The impact of climate change is likely to cause more regular flooding from sewers due to increased rainfall overwhelming the local network. However, this is not significant in terms of the proposed development.

4.5. Reservoir Flood Map

The EA no longer publish Reservoir Flood Maps showing the maximum extent of flooding that would occur if a reservoir were to fail.

Reservoir flooding is extremely unlikely with no loss of life in the UK from reservoir flooding since 1925. Reservoir safety legislation has been introduced since then to ensure reservoirs are maintained. Reservoirs can be further managed by controlling inflow and outflow of water, therefore helping to control the effects of climate change. It is therefore unlikely that there will be a substantial change to the risk of flooding for this site.

4.6. Canals

There are no Canal and River Trust owned canals within the vicinity of the site.

4.7. Blockage of Artificial Drainage Systems

There is a possibility that flooding may occur due to blockage of drainage systems by debris, or structural failure. This would cause water to backup and localised flooding.

The new drainage will require maintenance to reduce the risk of blockage, this is described within the Drainage Strategy Report which is issued separately.

5. Planning Context

The NPPF and PPG set out criteria for development and flood risk based on inappropriate development in high risk flood areas should be avoided with these directed towards areas of low risk.

PPG includes a list of land uses and their suitability in each flood zone. This is reproduced in Table 1 below with the site classification highlighted. Table 2 of the PPG shows the proposed development is classified as More Vulnerable.

Flood Classification		Risk	Essential Infrastructure	Water Compatible	Highly Vulnerable	More Vulnerable	Less Vulnerable
Flood Zone	Zone 1		Appropriate	Appropriate	Appropriate	Appropriate	Appropriate
	Zone 2		Appropriate	Appropriate	Exception Test Required	Appropriate	Appropriate
	Zone 3a		Exception Test Required	Appropriate	Should not be permitted	Exception Test Required	Appropriate
	Zone 3b functional floodplain		Exception Test Required	Appropriate	Should not be permitted	Should not be permitted	Should not be permitted

Table 1 – Flood Risk Vulnerability and Flood Zone Compatibility

As demonstrated in Table 1 above, the usage classification of the site is suitable for the Flood Zone the sequential test can be shown as passed, with no need for an exception test.

6. Surface Water Drainage Strategy

AC23068-ABS-XX-XX-RP-C-5800 – Drainage Strategy Report (issued separately) contains details on how surface water will be managed on site.

In summary the site will use temporary storage features and a restricted, pumped, outfall to manage surface water runoff from the site to the Greenfield QBar Runoff Rate.

7. Flood Mitigation Measures and Other Constraints

As the site is within Flood Zone 1, no further measures to control external runoff to the site are recommended beyond ensuring any drainage features in this area are protected via levels to divert water flow around the attenuation.

Surface water runoff generate on site will be dealt with via controlled discharge to the sewer. The temporary storage features will be designed to cope with all storms up to and including the 1:100 year event with a 45% allowance for climate change.

As the site is in Flood Zone 1 no finished floor level requirements or further flood mitigation is required.

8. Conclusions

This document complies with the NPPF and Planning Practice Guidance and demonstrates that flood risk from all sources has been considered in the proposed development. It is also consistent with the Local Planning Authority requirements with regard to flood risk.

Based on the available information, the site is located within Flood Zone 1 and is considered to be at a low risk of flooding from all sources considered (fluvial / tidal, reservoir, surface water, groundwater, and artificial sources).

All surface water run-off generated by the site will be dealt with on site through controlled discharge of surface water to the sewer.

Therefore, this development should not be refused on grounds of flood risk.

Appendix A – Proposed Site Plan

CDM 2015 Health & Safety Information

This information relates only to 'Significant Hazards' identified on this drawing and is to be read in conjunction with the Designer's Hazard Register.

Designers Hazard Register

1. Conflict between construction work and Furners Lane highway.
2. Sloping site could cause subsidence when strip foundations are dug.
3. Construction works on an existing highway to create site access.
4. Close proximity to existing dwellings on Furners Moad and The Daisycroft.
5. Existing mature trees on site that are to be retained, full arboriculturalist recommended protection measures to be implemented.
6. Overhead cables to be buried as part of the works.



Accommodation Schedule

Affordable Rented Dwellings [10no. - 34.8%]				
2no.	1-Bedroom M4(3) Flats	AFF Type 1	Block	607sqft
2no.	2-Bedroom Flats	AFF Type 2	Block	716sqft
2no.	2-Bedroom Houses	AFF Type 3	Terraced	874sqft
4no.	3-Bedroom Houses	AFF Type 4	Terraced	1003sqft
Open Market Dwellings [19no. - 65.5%]				
2no.	3-Bedroom Chalet Bungalows	New House Type A	Detached	1526sqft
2no.	2-Bedroom Chalet Bungalows	New House Type B	Detached	1261sqft
2no.	3-Bedroom Chalet Bungalows	New House Type C	Semi-D	1295sqft
3no.	3-Bedroom Chalet Bungalows	Brillway	Detached	1238sqft
3no.	4-Bedroom Houses	Ashcombe I	Detached	1427sqft
5no.	4-Bedroom Houses	Bartham	Detached	1605sqft
2no.	4-Bedroom w/ Study Houses	Goring	Detached	1854sqft
Total: 29 Dwellings				
Parking				
Allocated Spaces:	55 spaces			
Visitor Parking:	19 spaces			
Private Garages	15 (Garages to Plot 26 & 23 to be included in allocated spaces)			
Total Parking Spaces: 74 spaces				

SITE PLAN

P10	20.03.25	Revised visitor parking and pedestrian path.	NK	TW
P9	20.02.25	Accessible visitor parking spaces hatched	NK	TW
P8	04.02.25	Revised landscaping	NK	TW
P7	17.01.25	Revised landscaping	NK	TW
P6	16.01.25	Revised visitor parking	NK	TW
P5	03.01.25	Issued to Planning	LP	TW
P4	23.12.24	Issued to Planning	LP	TW
P3	18.12.24	Amended to clients comments	LP	TW
P2	12.12.24	Amended to clients comments	LP	TW
P1	27.09.24	Planning Submission	NK	TW
Rev	Date	Revision Details	Dr	Ch

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Client's Name
Elvia Homes

Job Title
Land West of Backsetown,
Furners Lane, Henfield

Drawing Title
Proposed Site Plan:
Presentation

Scale
1:500 @ A1 / 1:1000 @ A3



Drawn	Checked	Date
AK	KE	17.09.24

Job No	Drawing No	Rev
7227	PL-04	P10

Status

APPROVAL

Appendix B – Topographic Survey

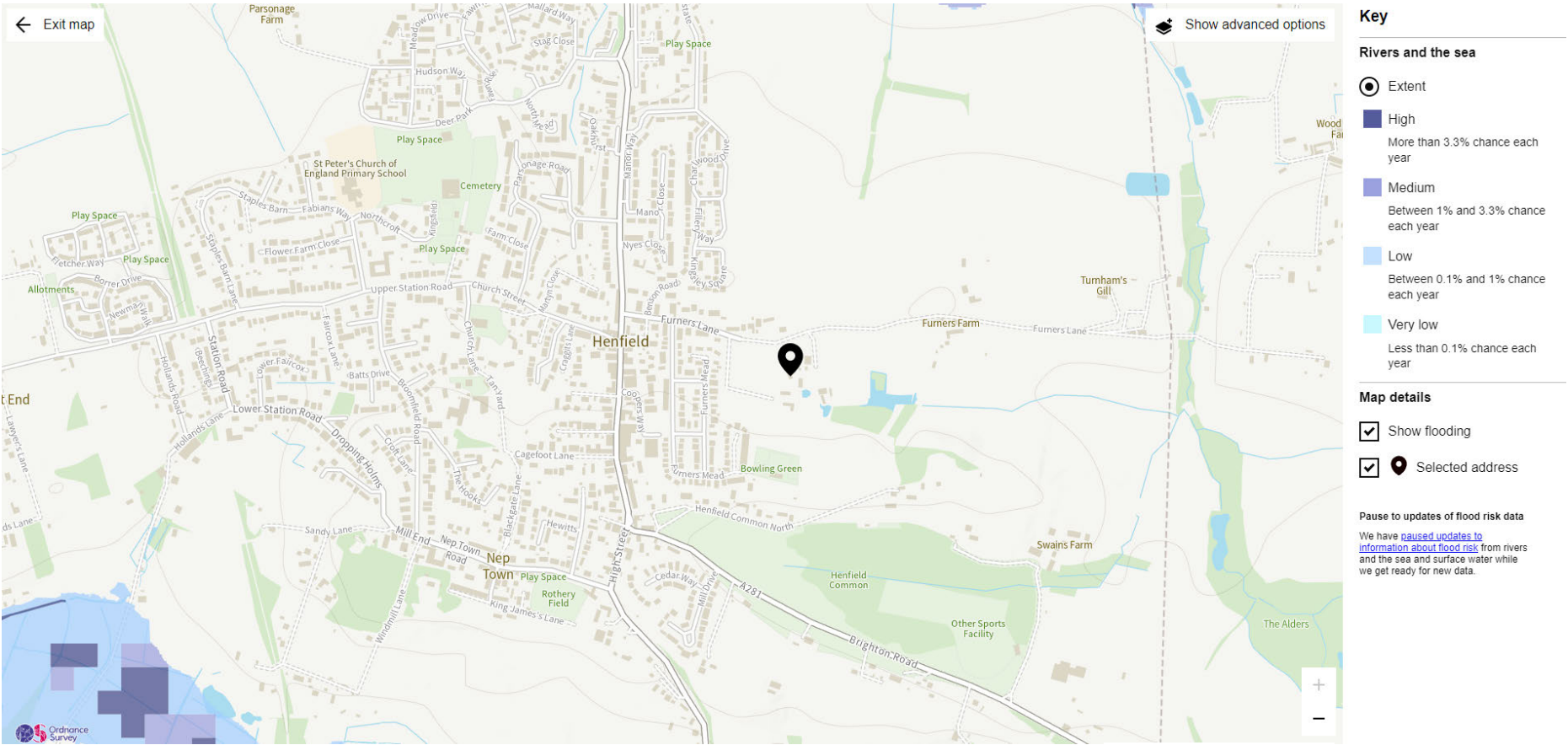
Notes:

1. GRID AND LINE LAYOUT ON ORIGINATED DATA, DERIVED FROM THE
2. THREE AND FIVE METRE SPACES HAVE BEEN DERIVED AS ACCURATELY
3. THE SURVEYOR'S DATA HAS BEEN DERIVED IN ACCORDANCE WITH THE
4. BACKGROUND INFORMATION (SHOWN ONLY) PROVIDED BY THE

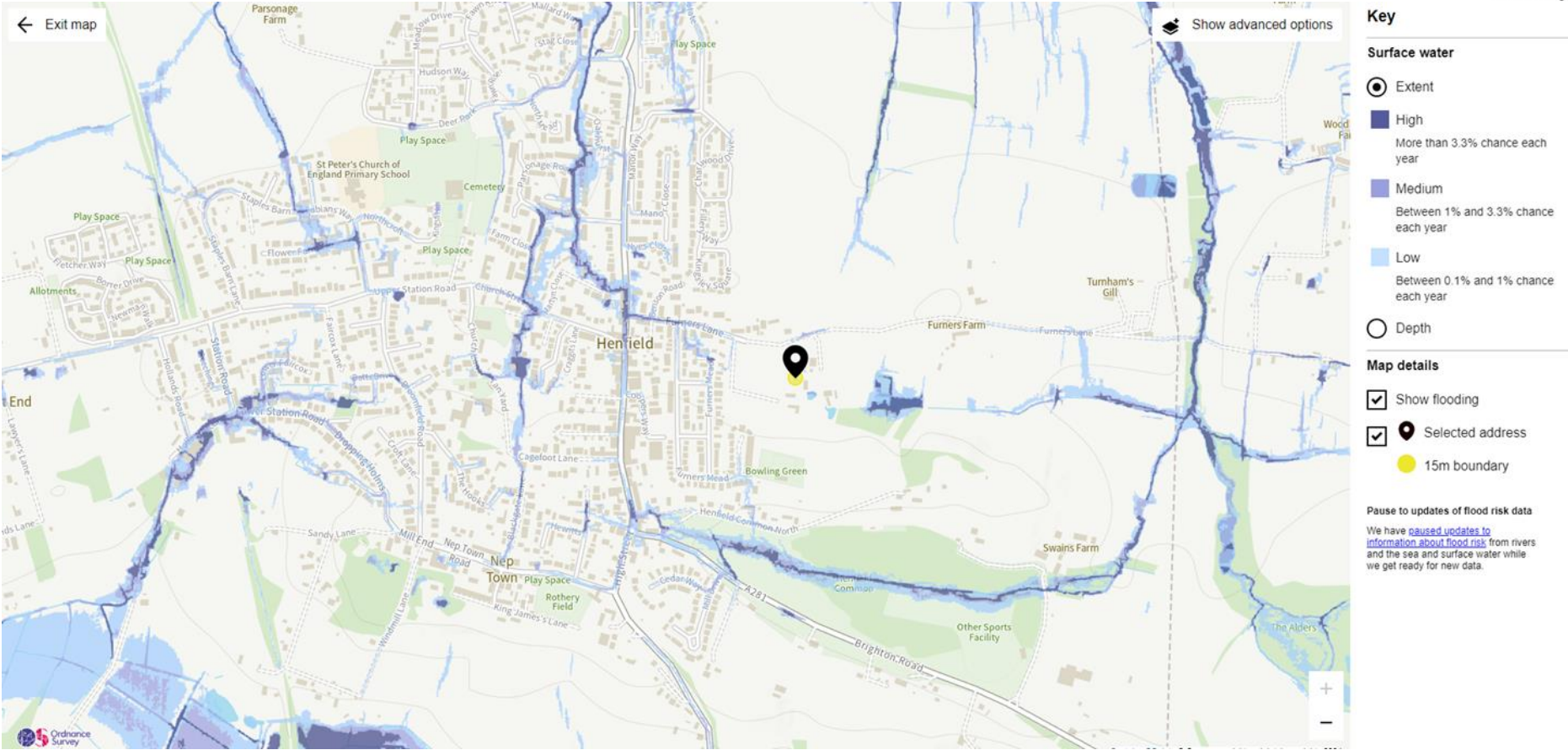
Coordinate Table

Station	Description	Easting	Northing	Level
51	ROAD NAIL	521628.000	116161.866	28.633
52	ROAD NAIL	521628.728	116175.878	28.052
53	ROAD NAIL	521629.456	116189.890	28.471
54	ROAD NAIL	521630.184	116203.902	28.890
55	ROAD NAIL	521630.912	116217.914	29.309
56	ROAD NAIL	521631.640	116231.926	29.728
57	ROAD NAIL	521632.368	116245.938	30.147
58	ROAD NAIL	521633.096	116259.950	30.566
59	ROAD NAIL	521633.824	116273.962	30.985
60	ROAD NAIL	521634.552	116287.974	31.404
61	ROAD NAIL	521635.280	116301.986	31.823
62	ROAD NAIL	521636.008	116315.998	32.242
63	ROAD NAIL	521636.736	116329.010	32.661
64	ROAD NAIL	521637.464	116343.022	33.080
65	ROAD NAIL	521638.192	116357.034	33.499
66	ROAD NAIL	521638.920	116371.046	33.918
67	ROAD NAIL	521639.648	116385.058	34.337
68	ROAD NAIL	521640.376	116399.070	34.756
69	ROAD NAIL	521641.104	116413.082	35.175
70	ROAD NAIL	521641.832	116427.094	35.594
71	ROAD NAIL	521642.560	116441.106	36.013
72	ROAD NAIL	521643.288	116455.118	36.432
73	ROAD NAIL	521644.016	116469.130	36.851
74	ROAD NAIL	521644.744	116483.142	37.270
75	ROAD NAIL	521645.472	116497.154	37.689
76	ROAD NAIL	521646.200	116511.166	38.108
77	ROAD NAIL	521646.928	116525.178	38.527
78	ROAD NAIL	521647.656	116539.190	38.946
79	ROAD NAIL	521648.384	116553.202	39.365
80	ROAD NAIL	521649.112	116567.214	39.784
81	ROAD NAIL	521649.840	116581.226	40.203
82	ROAD NAIL	521650.568	116595.238	40.622
83	ROAD NAIL	521651.296	116609.250	41.041
84	ROAD NAIL	521652.024	116623.262	41.460
85	ROAD NAIL	521652.752	116637.274	41.879
86	ROAD NAIL	521653.480	116651.286	42.298
87	ROAD NAIL	521654.208	116665.298	42.717
88	ROAD NAIL	521654.936	116679.310	43.136
89	ROAD NAIL	521655.664	116693.322	43.555
90	ROAD NAIL	521656.392	116707.334	43.974
91	ROAD NAIL	521657.120	116721.346	44.393
92	ROAD NAIL	521657.848	116735.358	44.812
93	ROAD NAIL	521658.576	116749.370	45.231
94	ROAD NAIL	521659.304	116763.382	45.650
95	ROAD NAIL	521660.032	116777.394	46.069
96	ROAD NAIL	521660.760	116791.406	46.488
97	ROAD NAIL	521661.488	116805.418	46.907
98	ROAD NAIL	521662.216	116819.430	47.326
99	ROAD NAIL	521662.944	116833.442	47.745
100	ROAD NAIL	521663.672	116847.454	48.164
101	ROAD NAIL	521664.400	116861.466	48.583
102	ROAD NAIL	521665.128	116875.478	49.002
103	ROAD NAIL	521665.856	116889.490	49.421
104	ROAD NAIL	521666.584	116903.502	49.840
105	ROAD NAIL	521667.312	116917.514	50.259
106	ROAD NAIL	521668.040	116931.526	50.678
107	ROAD NAIL	521668.768	116945.538	51.097
108	ROAD NAIL	521669.496	116959.550	51.516
109	ROAD NAIL	521670.224	116973.562	51.935
110	ROAD NAIL	521670.952	116987.574	52.354
111	ROAD NAIL	521671.680	116999.586	52.773
112	ROAD NAIL	521672.408	117013.598	53.192
113	ROAD NAIL	521673.136	117027.610	53.611
114	ROAD NAIL	521673.864	117041.622	54.030
115	ROAD NAIL	521674.592	117055.634	54.449
116	ROAD NAIL	521675.320	117069.646	54.868
117	ROAD NAIL	521676.048	117083.658	55.287
118	ROAD NAIL	521676.776	117097.670	55.706
119	ROAD NAIL	521677.504	117111.682	56.125
120	ROAD NAIL	521678.232	117125.694	56.544
121	ROAD NAIL	521678.960	117139.706	56.963
122	ROAD NAIL	521679.688	117153.718	57.382
123	ROAD NAIL	521680.416	117167.730	57.801
124	ROAD NAIL	521681.144	117181.742	58.220
125	ROAD NAIL	521681.872	117195.754	58.639
126	ROAD NAIL	521682.600	117209.766	59.058
127	ROAD NAIL	521683.328	117223.778	59.477
128	ROAD NAIL	521684.056	117237.790	59.896
129	ROAD NAIL	521684.784	117251.802	60.315
130	ROAD NAIL	521685.512	117265.814	60.734
131	ROAD NAIL	521686.240	117279.826	61.153
132	ROAD NAIL	521686.968	117293.838	61.572
133	ROAD NAIL	521687.696	117307.850	61.991
134	ROAD NAIL	521688.424	117321.862	62.410
135	ROAD NAIL	521689.152	117335.874	62.829
136	ROAD NAIL	521689.880	117349.886	63.248
137	ROAD NAIL	521690.608	117363.898	63.667
138	ROAD NAIL	521691.336	117377.910	64.086
139	ROAD NAIL	521692.064	117391.922	64.505
140	ROAD NAIL	521692.792	117405.934	64.924
141	ROAD NAIL	521693.520	117419.946	65.343
142	ROAD NAIL	521694.248	117433.958	65.762
143	ROAD NAIL	521694.976	117447.970	66.181
144	ROAD NAIL	521695.704	117461.982	66.600
145	ROAD NAIL	521696.432	117475.994	67.019
146	ROAD NAIL	521697.160	117489.006	67.438
147	ROAD NAIL	521697.888	117503.018	67.857
148	ROAD NAIL	521698.616	117517.030	68.276
149	ROAD NAIL	521699.344	117531.042	68.695
150	ROAD NAIL	521700.072	117545.054	69.114
151	ROAD NAIL	521700.800	117559.066	69.533
152	ROAD NAIL	521701.528	117573.078	69.952
153	ROAD NAIL	521702.256	117587.090	70.371
154	ROAD NAIL	521702.984	117601.102	70.790
155	ROAD NAIL	521703.712	117615.114	71.209
156	ROAD NAIL	521704.440	117629.126	71.628
157	ROAD NAIL	521705.168	117643.138	72.047
158	ROAD NAIL	521705.896	117657.150	72.466
159	ROAD NAIL	521706.624	117671.162	72.885
160	ROAD NAIL	521707.352	117685.174	73.304
161	ROAD NAIL	521708.080	117699.186	73.723
162	ROAD NAIL	521708.808	117713.198	74.142
163	ROAD NAIL	521709.536	117727.210	74.561
164	ROAD NAIL	521710.264	117741.222	74.980
165	ROAD NAIL	521710.992	117755.234	75.399
166	ROAD NAIL	521711.720	117769.246	75.818
167	ROAD NAIL	521712.448	117783.258	76.237
168	ROAD NAIL	521713.176	117797.270	76.656
169	ROAD NAIL	521713.904	117811.282	77.075
170	ROAD NAIL	521714.632	117825.294	77.494
171	ROAD NAIL	521715.360	117839.306	77.913
172	ROAD NAIL	521716.088	117853.318	78.332
173	ROAD NAIL	521716.816	117867.330	78.751
174	ROAD NAIL	521717.544	117881.342	79.170
175	ROAD NAIL	521718.272	117895.354	79.589
176	ROAD NAIL	521719.000	117909.366	80.008
177	ROAD NAIL	521719.728	117923.378	80.427
178	ROAD NAIL	521720.456	117937.390	80.846
179	ROAD NAIL	521721.184	117951.402	81.265
180	ROAD NAIL	521721.912	117965.414	81.684
181	ROAD NAIL	521722.640	117979.426	82.103
182	ROAD NAIL	521723.368	117993.438	82.522
183	ROAD NAIL	521724.096	118007.450	82.941
184	ROAD NAIL	521724.824	118021.462	83.360
185	ROAD NAIL	521725.552	118035.474	83.779
186	ROAD NAIL	521726.280	118049.486	84.198
187	ROAD NAIL	521727.008	118063.498	84.617
188	ROAD NAIL	521727.736	118077.510	85.036
189	ROAD NAIL	521728.464	118091.522	85.455
190	ROAD NAIL	521729.192	118105.534	85.874
191	ROAD NAIL	521729.920	118119.546	86.293
192	ROAD NAIL	521730.648	118133.558	86.712
193	ROAD NAIL	521731.376	118147.570	87.131
194	ROAD NAIL	521732.104	118161.582	87.550
195	ROAD NAIL	521732.832	118175.594	87.969
196	ROAD NAIL	521733.560	118189.606	88.388
197	ROAD NAIL	521734.288	118203.618	88.807
198	ROAD NAIL	521735.016	118217.630	89.226
199	ROAD NAIL	521735.744	118231.642	89.645
200	ROAD NAIL	521736.472	118245.654	90.064
201	ROAD NAIL	521737.200	118259.666	90.483
202	ROAD NAIL	521737.928	118273.678	90.902
203	ROAD NAIL	521738.656	118287.690	91.321
204	ROAD NAIL	521739.384	118301.702	91.740
205	ROAD NAIL	521740.112	118315.714	92.159
206	ROAD NAIL	521740.840	118329.726	92.578
207	ROAD NAIL	521741.568	118343.738	92.997
208	ROAD NAIL	521742.296	118357.750	93.416
209	ROAD NAIL	521743.024	118371.762	93.835
210	ROAD NAIL	521743.752	118385.774	94.254
211	ROAD NAIL	521744.480	118399.786	94.673
212	ROAD NAIL	521745.208	118413.798	95.092
213	ROAD NAIL	521745.936	118427.810	95.511
214	ROAD NAIL	521746.664	118441.822	95.930
215	ROAD NAIL	521747.392	118455.834	96.349
216	ROAD NAIL	521748.120	118469.846	96.768
217	ROAD NAIL	521748.848	118483.858	97.187
218	ROAD NAIL	521749.576	118497.870	97.606
219	ROAD NAIL	521750.304	118511.882	98.025
220	ROAD NAIL	521751.032	118525.894	98.444
221	ROAD NAIL	521751.760	118539.906	98.863
222	ROAD NAIL	521752.488	118553.918	99.282
223	ROAD NAIL	521753.216	118567.930	99.701
224	ROAD NAIL	521753.944	118581.942	100.120
225	ROAD NAIL	521754.672	118595.954	100.539
226	ROAD NAIL	521755.400	118609.966	100.958
227	ROAD NAIL	521756.128	118623.978	101.377
228	ROAD NAIL	521756.856	118637.990	101.796
229	ROAD NAIL	521757.584	118652.002	102.215
230	ROAD NAIL	521758.312	118666.014	102.634
231	ROAD NAIL	521759.040	118680.026	103.053
232	ROAD NAIL	521759.768	118694.038	103.472
233	ROAD NAIL	521760.496	118708.050	103.891
234	ROAD NAIL	521761.224	118722.062	104.310
235	ROAD NAIL	521761.952	118736.074	104.729
236	ROAD NAIL	521762.680	118750.086	105.148
237	ROAD NAIL	521763.408	118764.098	105.567
238	ROAD NAIL	521764.136	118778.110	105.986
239	ROAD NAIL	521764.864	118792.122	106.405
240	ROAD NAIL	521765.592	118806.134	106.824
241	ROAD NAIL	521766.320	118820.146	107.243
242	ROAD NAIL	521767.048	118834.158	107.662
243	ROAD NAIL	521767.776	118848.170	108.081
244	ROAD NAIL	521768.504	118862.182	108.500
245	ROAD NAIL	521769.232	118876.194	108.919
246	ROAD NAIL	521769.960	118890.206	109.338
247	ROAD NAIL	521770.688	118904.218	109.757
248	ROAD NAIL	521771.416	118918.230	110.176
249	ROAD NAIL	521772.144	118932.242	110.595
250	ROAD N			

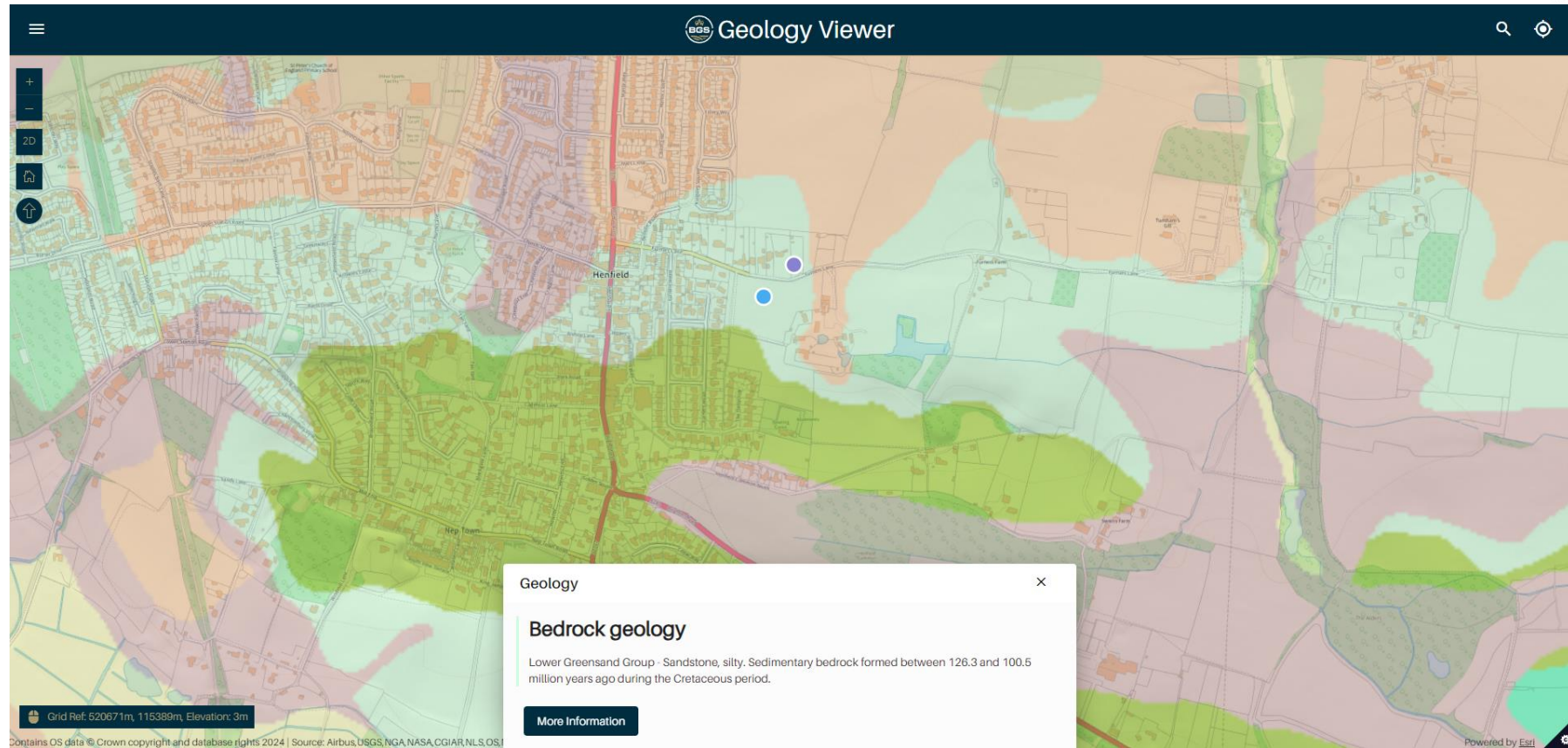
Appendix C – Online Mapping, EA, BGS, & Magic Map



Environment Agency – Flood Risk from Rivers and Sea



Environment Agency – Flood Risk from Surface Water

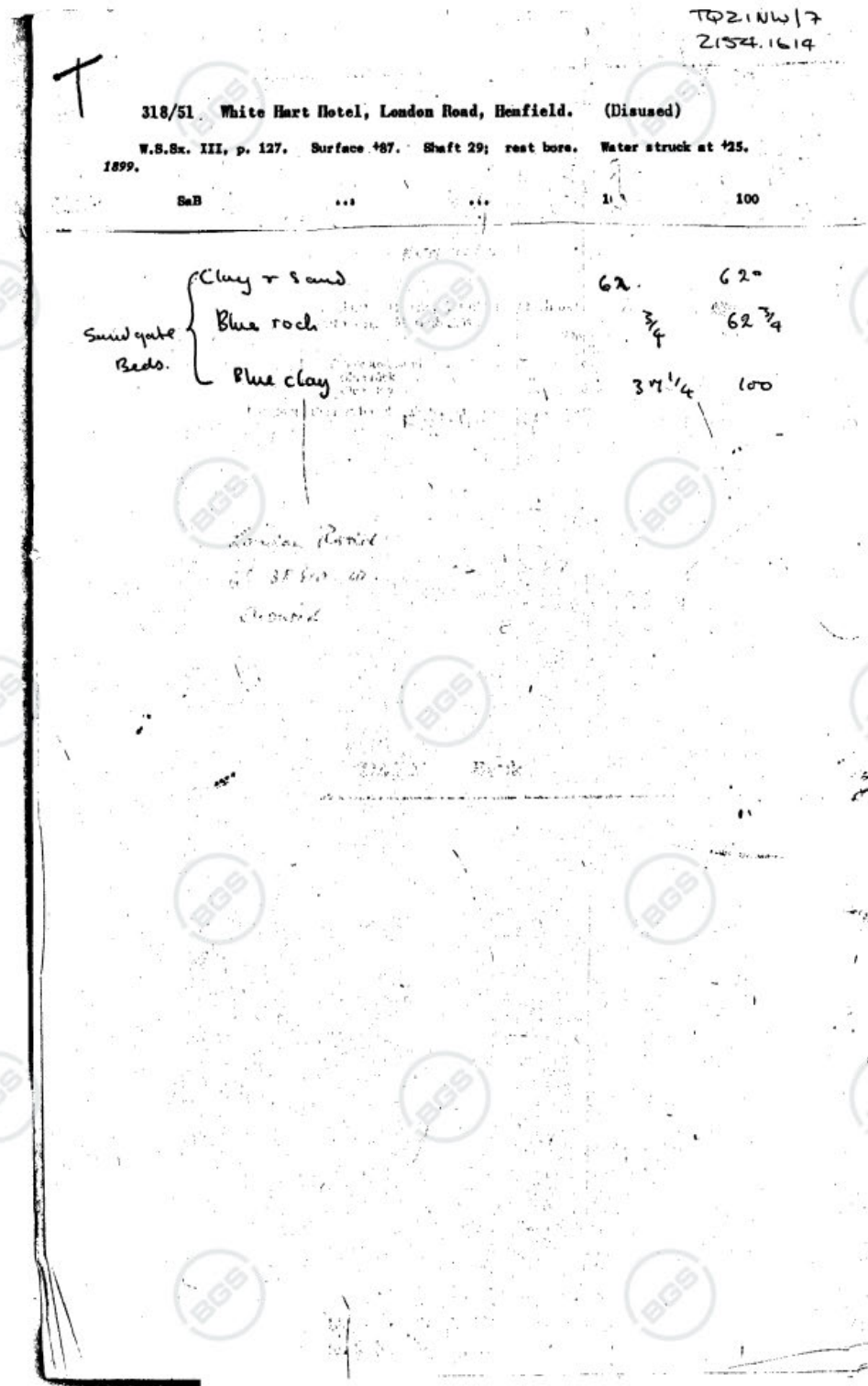


British Geological Society – Bedrock and Superficial Deposits

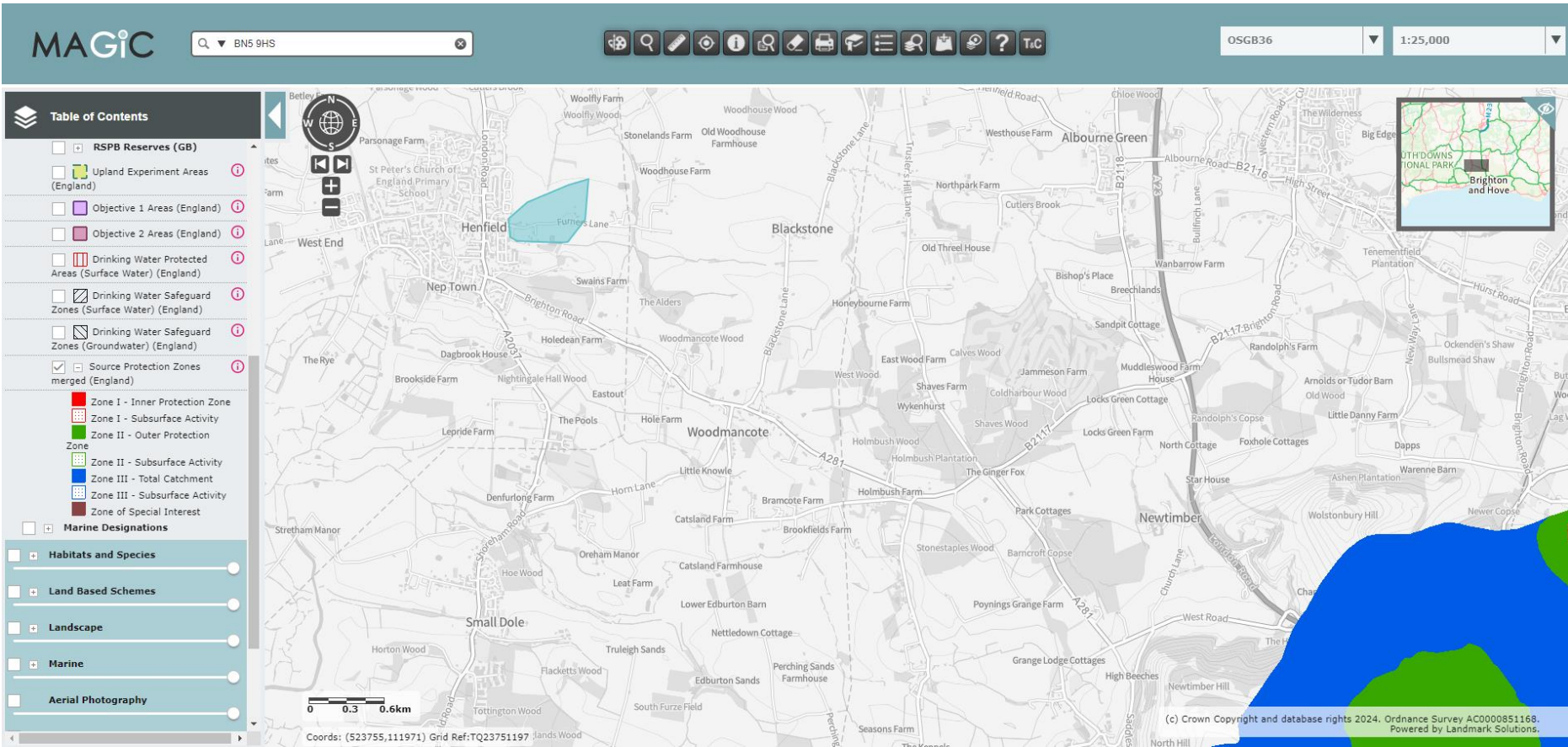


British
Geological
Survey

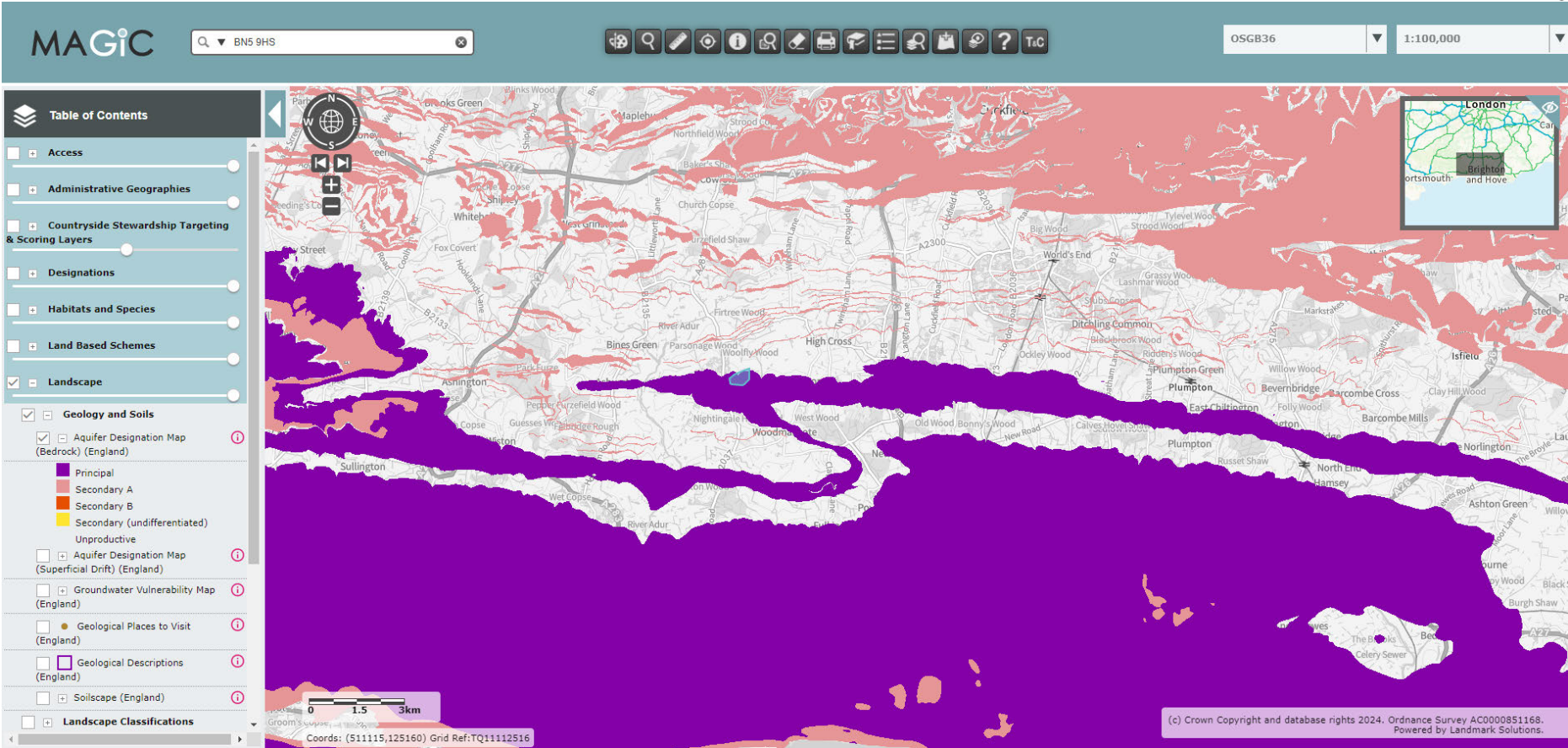
BGS ID: 584194 : BGS Reference: TQ21NW7
 British National Grid (27700) : 521540, 116140



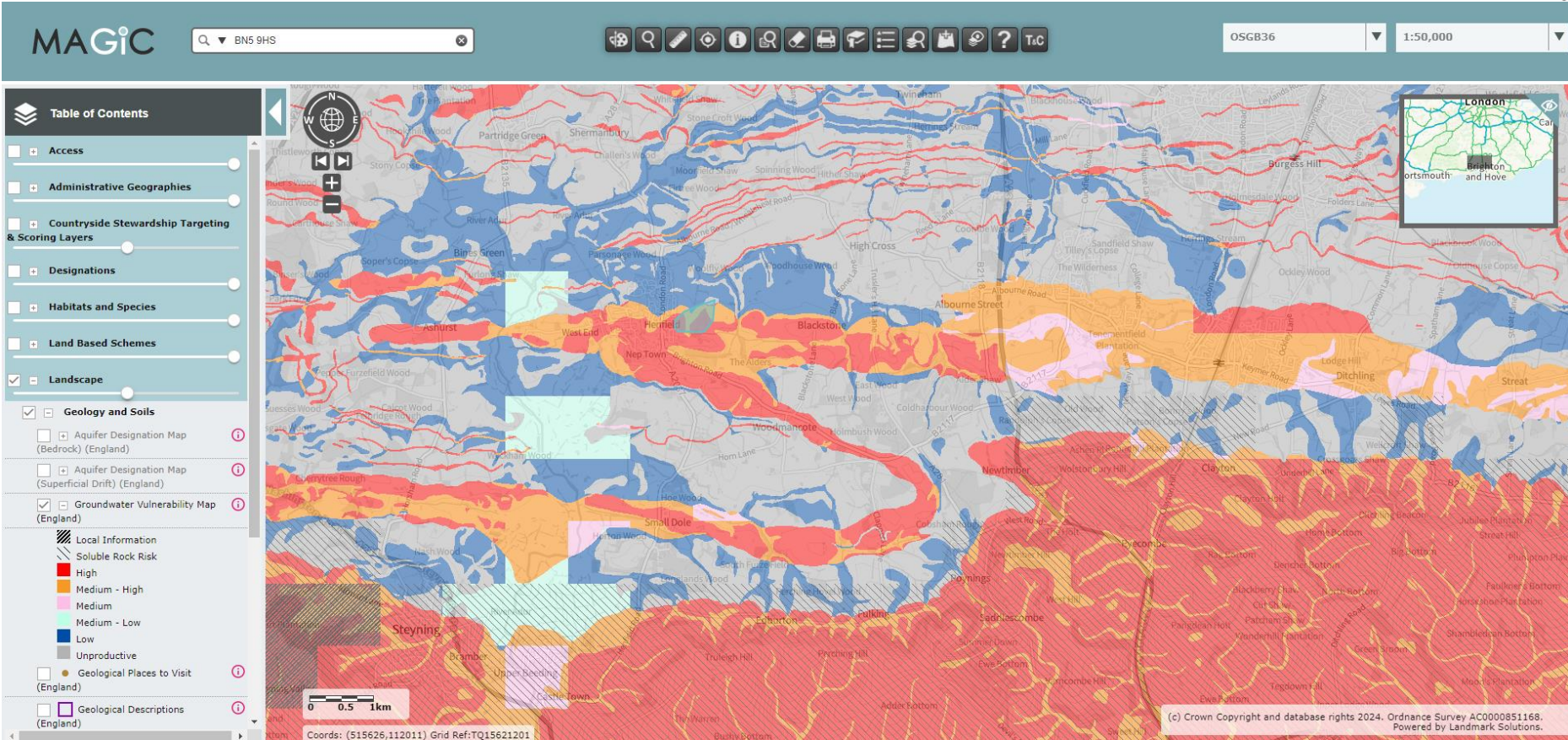
Contact BGS: ngdc@bgs.ac.uk



Magic Map – Source Protection Zones



Magic Map – Aquifer Designation



Magic Map – Groundwater Vulnerability

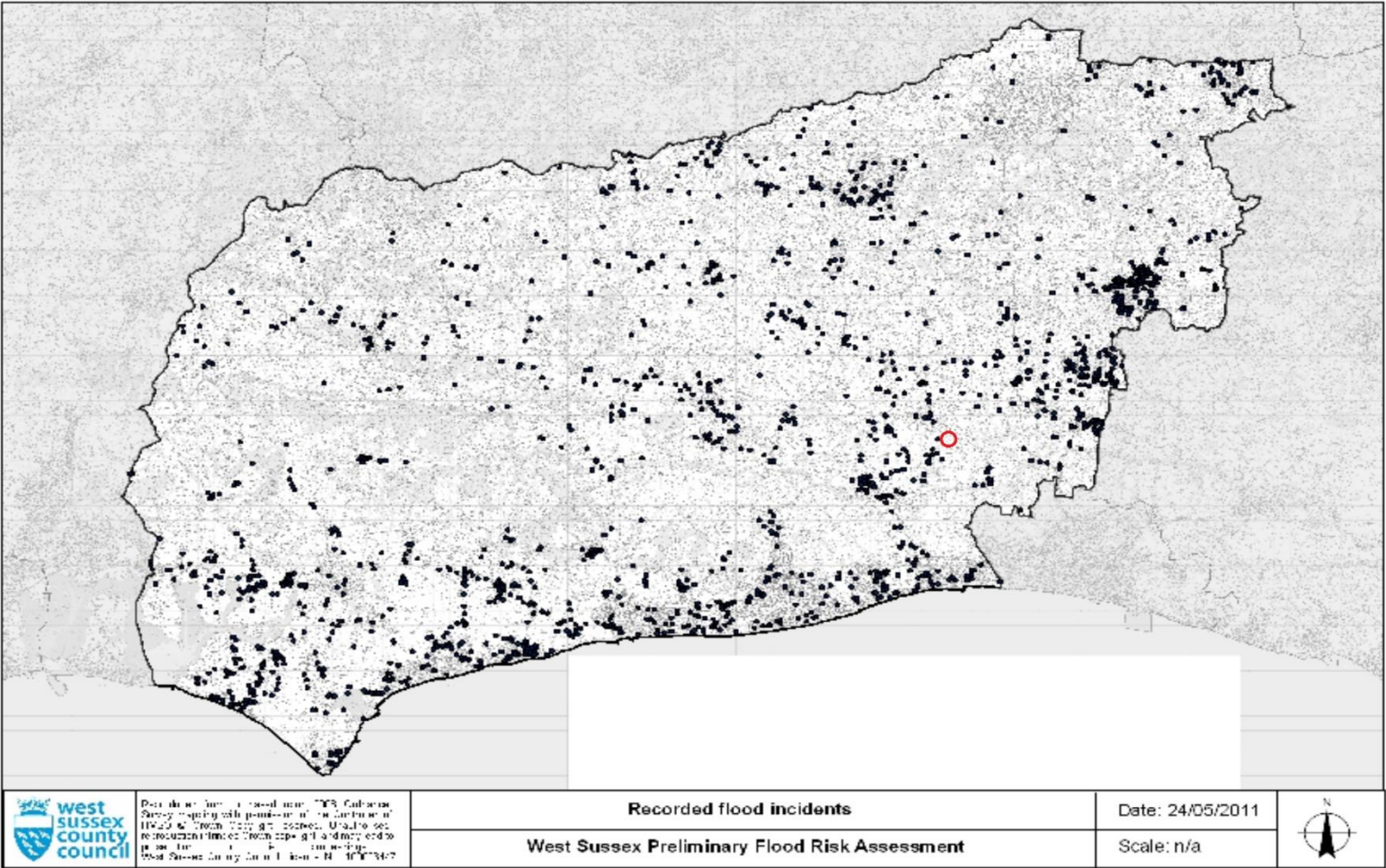


Figure 4.1 Recorded flood incidents across West Sussex from all local sources

Appendix D – Southern Water Sewer Records

