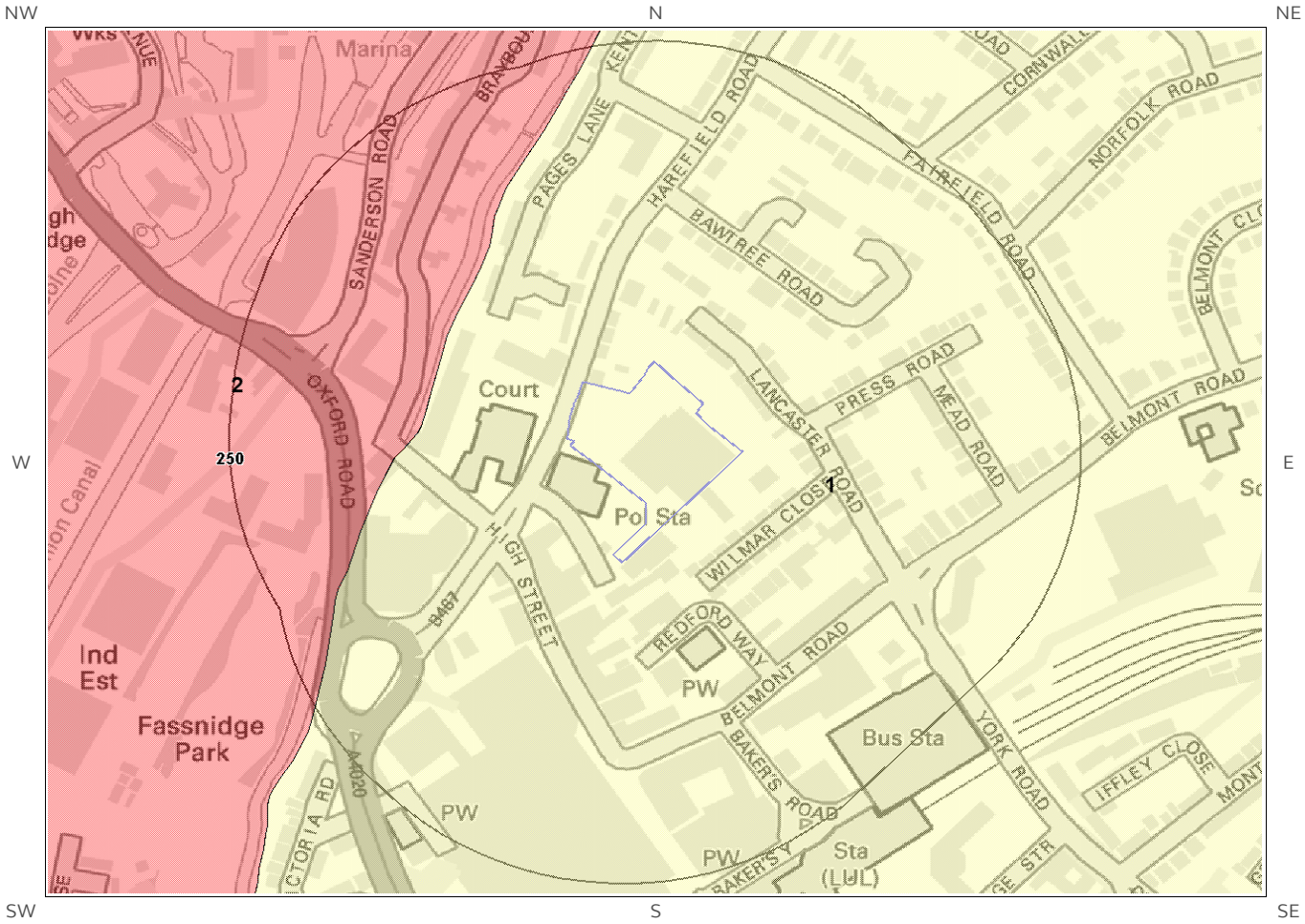
6.4 Compressible Deposits Map

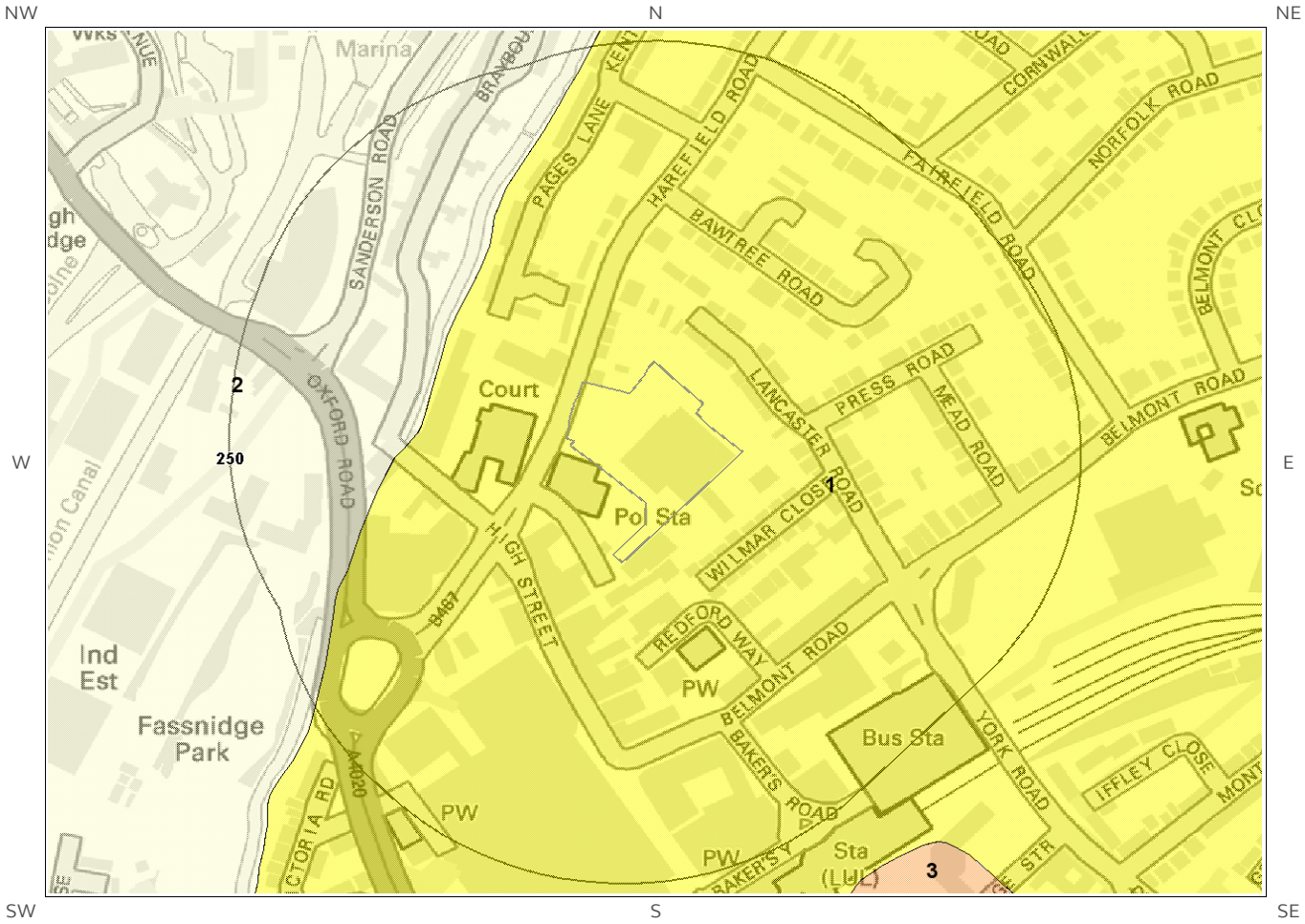


Compressible Deposits Legend

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6.5 Collapsible Deposits Map

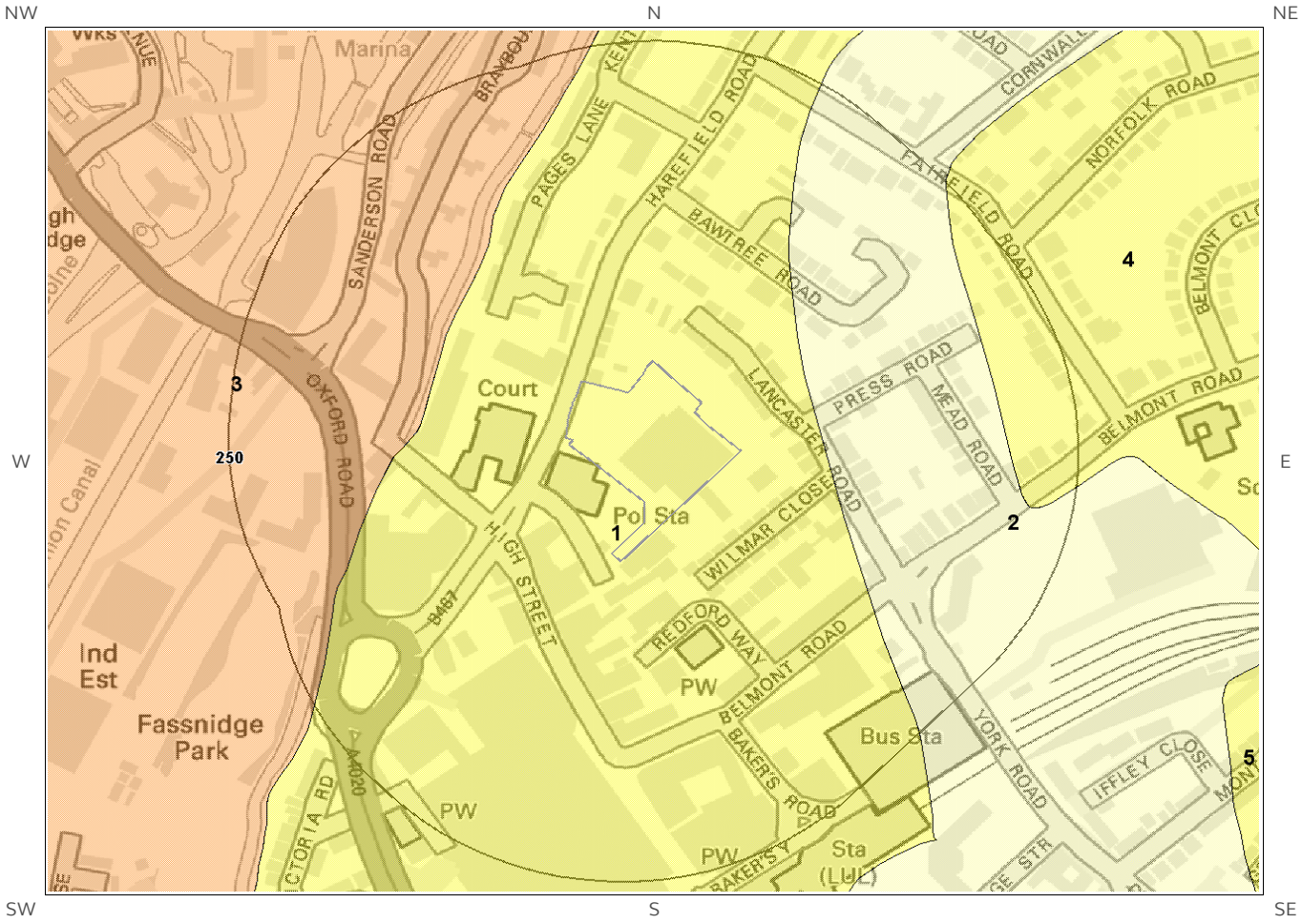


Collapsible Deposits Legend

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6.6 Running Sand Map



Running Sand Legend

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6 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site*[*] boundary? Low

6.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Low	Ground conditions predominantly medium plasticity. Do not plant trees with high soil moisture demands near to buildings. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a possible increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a possible increase in insurance risk, especially during droughts or where vegetation with high moisture demands is present.
2	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely likely due to potential problems with shrink-swell clays.

6.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

* This includes an automatically generated 50m buffer zone around the site

6.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

6.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

6.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

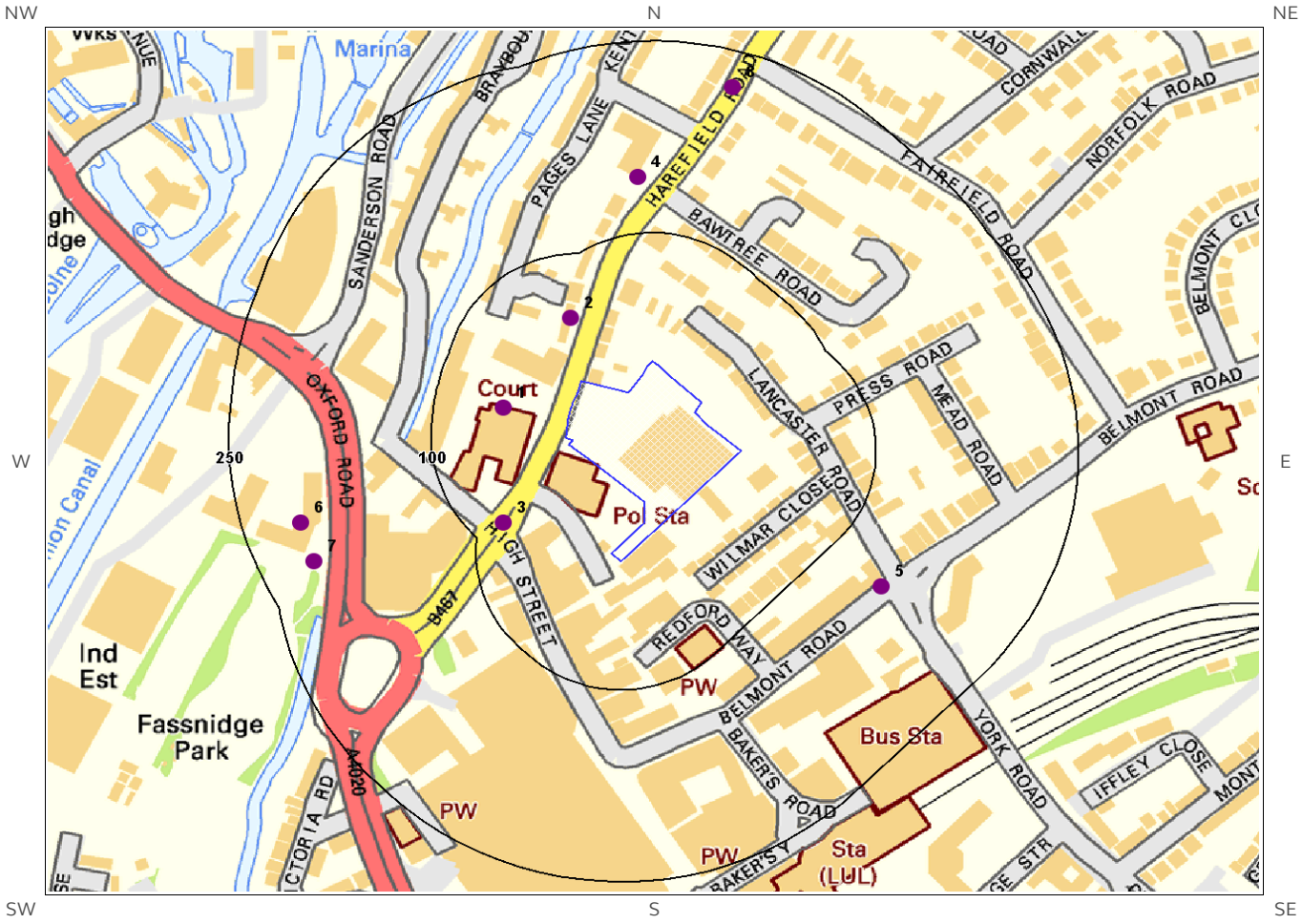
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

6.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

7 Borehole Records Map



Borehole Records Legend

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Site Outline

Borehole Locations

125
250
Search Buffers (m)

7 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary: 8

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	49.0	W	505380 184510	TQ08SE6/1-3	12.0	UXBRIDGE COURT HOUSE UXBRIDGE
2	49.0	N	505430 184580	TQ08SE214	6.0	HAREFIELD RD UXBRIDGE BH2
3	79.0	SW	505380 184420	TQ08SE213	6.0	HAREFIELD RD UXBRIDGE BH1
4	143.0	N	505480 184690	TQ08SE215	8.0	HAREFIELD RD UXBRIDGE BH3
5	148.0	SE	505660 184370	TQ08SE25	46.02	UXBRIDGE
6	208.0	W	505230 184420	TQ08SE246	35.05	HIGH STREET, UXBRIDGE
7	210.0	SW	505240 184390	TQ08SE219	9.14	HIGH STREET UXBRIDGE BH1
8	221.0	N	505550 184760	TQ08SE216	8.0	HAREFIELD RD UXBRIDGE BH4

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1: scans.bgs.ac.uk/sobi_scans/boreholes/576339
#2: scans.bgs.ac.uk/sobi_scans/boreholes/576547
#3: scans.bgs.ac.uk/sobi_scans/boreholes/576546
#4: scans.bgs.ac.uk/sobi_scans/boreholes/576548
#5: scans.bgs.ac.uk/sobi_scans/boreholes/576358
#6: scans.bgs.ac.uk/sobi_scans/boreholes/576579
#7: scans.bgs.ac.uk/sobi_scans/boreholes/576552
#8: scans.bgs.ac.uk/sobi_scans/boreholes/576549

8 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary: 4

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	London	No data	<1.8 mg/kg	No data	No data	100 - 200 mg/kg
0.0	On Site	London	No data	<1.8 mg/kg	No data	No data	100 - 200 mg/kg
0.0	On Site	London	No data	<1.8 mg/kg	No data	No data	100 - 200 mg/kg
0.0	On Site	London	No data	<1.8 mg/kg	No data	No data	100 - 200 mg/kg

*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.