

CRAIG CONSTRUCTION SERVICES



10-20 MARINE PLACE, WORTHING, WEST SUSSEX, BN11 3DN

Preliminary Contamination Risk Assessment

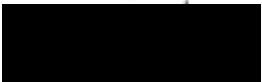
March 2026



eas ltd

Environmental Assessment Services Ltd

REPORT DATA SHEET

Requirement	Data
Report Reference	883/MMEPlanning/MarinePlace/PCRA
Date	March 2026
Client	Craig Construction Services
Report type	Preliminary Contamination Risk Assessment
Purpose	To satisfy environmental health concerns for planning.
Revisions	-
Prepared by	Xanthe Lyford BSc (Hons)  Signed
Approved by	Eur Ing Malcolm McKemey BSc (Hons), CEng, CEnv, MICE, MCIWEM, MIEEnvSc  Signed

PAUL CRAIG

10-20 MARINE PLACE, WORTHING, WEST SUSSEX, BN11 3DN

Preliminary Contamination Risk Assessment

March 2026

CONTENTS

1. CAUTION
2. THE SITE & PROPOSED DEVELOPMENT
3. GEOLOGY & HYDROGEOLOGICAL CONSIDERATIONS
4. SITE DEVELOPMENT HISTORY
5. THE EXISTING SITE
6. RECORD DATA SEARCH RESULTS
7. POTENTIAL SOURCES OF CONTAMINATION
8. RISK ASSESSMENT
9. CONCLUSIONS
10. RECOMMENDATIONS

APPENDICES

APPENDIX A: **Figure 1: Site Location Plan**
 Figure 2: Site as Existing
 Figure 3: Proposed Development
 Figure 4: Conceptual Model

APPENDIX B: **Historic maps and photographs**
APPENDIX C: **Photographs**
APPENDIX D: **GroundSure EnviroInsight Report**

PAUL CRAIG

10-20 MARINE PLACE, WORTHING, WEST SUSSEX, BN11 3DN

Preliminary Contamination Risk Assessment

March 2026

1. CAUTION

- 1.1 This investigation relies largely on a superficial examination of the site plus a review of information from Worthing Borough Council Planning Department, and the Environment Agency (EA). Even where no previous contaminating activity has been identified, it is possible that the site could be contaminated due to fly tipping or other unrecorded events. The age of a building may indicate probability but cannot be treated as proof of the absence or presence of asbestos. This report does not attempt to comment on the commercial value or viability of the site.

2. THE SITE & PROPOSED DEVELOPMENT

- 2.1 The site comprises a disused warehouse building to the north and a yard/parking area to the south. It is located in an urban location to the north of Worthing seafront, West Sussex. The site is bordered to the north by a commercial building - no 22 Marine Place (Just Yoga), to the east an alleyway and residential properties, Bedford Row on the far side, to the south by a commercial property - 10 Marine Place (Turning Tides Community Centre) and to the west by Marine Place public highway with residential properties on the far side (currently under construction). The site is accessed from Marine Place to the west. The site area (redline boundary) is approximately 0.08 ha. The Ordnance Survey map reference for the centre of the site is TQ 15000 02495. The site elevation for the centre of the site is approximately +5 m OD. See Appendix A Figure 1 for the site location plan and Figure 2 for the existing site layout.
- 2.2 It is proposed to redevelop the site after the demolition of the existing building, into a three-storey residential building comprising 27 one-bedroom apartments with communal areas. Access to the site is via an existing entrance from Marine Place to the west. See Figure 3 in Appendix A for the proposed site layout.

3. GEOLOGY & HYDROGEOLOGICAL CONSIDERATIONS

- 3.1 According to the British Geological Survey website the site lies on Lewes Nodular Chalk Formation - Chalk bedrock with superficial River Terrace Deposits (Undifferentiated)-Sand, silt and clay.

- 3.2 The Department for Environment, Food and Rural Affairs (Defra) online mapping (MAGIC) shows the site to be lying on a principal bedrock aquifer and Secondary B superficial drift. DEFRA classify the soil type as “*Freely draining slightly acid loamy soils*”. The site lies on an area of ‘medium-high’ groundwater vulnerability and does not lie in a groundwater source protection zone (SPZ).
- 3.3 According to the Environment Agency’s Flood Maps for Planning, the site lies in Flood Zone 3 (high risk of flooding from tidal sources where defences are not considered / >3.3% AEP of flooding in any given year). The site is not shown to be at risk of surface water flooding in the 1 in 30-year scenario but has a section of surface water flood risk in the southwestern corner of the site in the 1 in 100-year scenario; this increases in the 1 in 1000-year to encompass the whole site. Groundwater and reservoir flooding at the site is considered unlikely at this location.

4. SITE DEVELOPMENT HISTORY

- 4.1 The site development history is derived from a review of historic maps and other references. Historic maps centred on the site are provided in Appendix B, and a summary of the relevant information provided in these maps is given in Table 4.1 below.

TABLE 4.1
SITE DEVELOPMENT HISTORY

Map date (Scale)	Features on site	Features within surrounding area (<500 m & >750 m)
1875 (1:2,500) 1875 (1:10,560)	The site lies in the centre of an area of developed land to the east of and adjacent to Marine Place public road. There are adjacent buildings to the south and northwest of the site with rear yards/gardens to the east. In the centre of the site there are three air shafts. A footpath/alley can be seen to the east of the site separating it from the residential terrace behind (Bedford Row).	To the north of the site within 500 m lies residential dwellings with two schools (St Georges and Warwick Hall) to the northeast. A steam sawmill is present within 750 m north of the site. There are residential and commercial buildings to the east of the site including Worthing College and a Malthouse within 750 m. To the south lies The Parade and Worthing Beach supported by groynes, Worthing Pier lies to the southwest within 500 m. The sea lies within 750 m east of the site. The area to the west of the site is residential with formal gardens (Liverpool Gardens) within 500 m northwest and a nunnery within 750 m.
1898 (1:2,500), 1896 (1:10,560)	The air shafts are no longer labelled on the site.	The Warwick Hall school to the north is no longer shown and a gas works has appeared within 50 m northeast of the site and an infirmary within 750 m. Worthing College is no longer present, and a Convalescent Home is now shown within 500 m east of the site.

		The formal gardens and the nunnery to the west have been replaced with residential dwellings.
1909 (1:10,560), 1912 (1:2,500)	A green house has appeared in the yard to the southeast of the site.	The infirmary to the north is now labelled hospital and mortuary.
1932-1933 (1:10,560) 1932 (1:2,500)	No significant changes to the site.	The gas works to the northeast is no longer present.
1938 (1:10,560)	The site now appears largely covered with buildings with a small area of hardstanding to the east.	No significant changes to the areas surrounding the site.
1939-1945	No recorded war-time incidents or activities affecting the site.	No recorded war-time incidents or activities affecting the surrounding area.
1952-1953 (1:1,250) 1950 (1:10,560)	No significant changes to the site.	An omnibus depot has appeared within 100 m northeast of the site.
1962-1967 (1:1,250) 1962 (1:10,560)	No significant changes to the site.	No significant changes to the areas surrounding the site.
1970-1973 (1:1,250) 1971 (1:10,000)	No significant changes to the site.	No significant changes to the areas surrounding the site.
1975 (1:1,250) 1978-1981 (1:10,000)	No significant changes to the site.	No significant changes to the areas surrounding the site.
1991 (1:10,000) 1987-1990	No significant changes to the site.	No significant changes to the areas surrounding the site.
1990-1994 (1:1,250)	No significant changes to the site.	No significant changes to the areas surrounding the site.
2003 (1:11,250) 2001 (1:10,000)	No significant changes to the site.	No significant changes to the areas surrounding the site.
2010 (1:10,00)	No significant changes to the site.	No significant changes to the surrounding area are shown on the maps provided.

- 4.2 The post war development history may also be traced from the planning history of the site. There is one relevant planning applications associated with the site and four with the adjacent plots on the Worthing Borough Council Planning Application website and Planning Statement for the development. See Table 4.2 below.

TABLE 4.2
A SUMMARY OF RECENT PLANNING APPLICATIONS

Ref. Nos.	Description	Decision & Date
93/05444/FULL	22 Marine Place – change of use of existing property to accommodate groups of up to 25 people for yoga classes.	✓ 28/01/1993
00/00753/FULL	Bedford Cottage and 6-8 Marine Place – Change of use to a day centre for Worthing Churches Homeless Projects for social inclusion incorporating medical clinic and offices.	✓ 08/08/2000

02/00424/WBR3	22 Marine Place – change of use of part of ground floor from use as Yoga classes to storage and ancillary repairs of deckchairs, buoys and beach equipment.	✓ 25/04/2002
AWDM/1784/19	St Clares Day Centre 6 - 8 Marine Place – to allow for use as a winter night shelter for up to 12 sleepers.	r 12/12/2019
AWDM/1884/22	10 - 20 Marine Place – Demolition of existing commercial storage buildings, erection of new 3-storey building containing 9 apartments, with additional studio/office space at lower ground floor level. To include on-site secure bicycle and refuse storage, and the relocation of an existing electrical substation.	✓ 23/11/2022

Key: ✓ planning permission granted ✗ planning permission refused r registered w withdrawn

- 4.3 More recent development history and land use can also be observed from aerial photographs. Aerial photographs centred on the site are provided in Appendix B, and a summary of the relevant information provided in these photographs is given in Table 4.3 below.

TABLE 4.3
A SUMMARY OF RECENT AERIAL PHOTOGRAPHS

Photo date	Features on site	Features adjacent to the site
29/08/1999	The buildings to the north of the site are clearly seen and the yard area to the south.	Adjacent to the site, to the north there is a residential building. To the east lies a row of residential terraced dwellings separated by an alleyway. To the south the site is bordered by a residential building. To the west of the site lies Marine Place with buildings on the far side.
24/04/2010	The yard to the south is now used as a car parking area.	The adjacent land appears as previously stated.
13/09/2012	The site appears as previously stated.	The adjacent land appears as previously stated.
28/0/2018	The site appears as previously stated.	The adjacent land appears as previously stated.
20/04/2021	No significant changes to the site.	No significant changes to the adjacent land.

5. THE EXISTING SITE

- 5.1 The site was visited on 10 March 2026. Photographs of the site are provided in Appendix C.

- 5.2 The site is approximately 0.08 ha and comprises a commercial building lying to the north and a yard under hardstanding to the south. The site lies to the east of Marine Place public highway.
- 5.3 The site is bordered to the north by a commercial building, Just Yoga, east by an alleyway with a terrace of residential properties on the far side, Bedford Row, to the south by a commercial building, 8 Marine Place, a community building and to the west by Marine Place public highway, with residential apartments (currently under construction) on the far side.
- 5.4 Clearance of the internal spaces in the buildings onsite had begun at the time of our visit and the yard area and warehouse had building supplies stored ready to commence development. There was no evidence of any contamination at the time of our visit. See Appendix C for photographs of the site as existing.

6. RECORD DATA SEARCH RESULTS

- 6.1 An environmental records search (Enviro-Insight Report) has been prepared for the site. The GroundSure Enviro-Insight Report is provided in Appendix D and any items of potential contamination significance highlighted below.

6.1.1 *Historical Land Use*

There are a total of thirty-one records of potentially contaminative land uses recorded from standard 1:10,560 and 1:10,000 scale historic mapping within 500 m of the site. The closest of these records is for a fire station 269-279 m north of the site between 1932 and 1962. There was also an unspecified tank 286 m west of the site in 1950.

There are thirty-three records of historical tanks from 1:1,250 and 1:2,500 scale historic maps within 500 m of the site. The closest being 299 m west.

There are forty-three records of historical energy features, the closest being an electricity sub-station 14 m south and another 104 m west.

There are fifteen historical garages from 1:1,250 and 1:2,500 scale historic maps within 500 m of the site. The closest being 4 m west of the site between 1952 and 1954.

There are no records of historical petrol stations or military land from 1:1,250 or 1:2,500 scale historic maps within 500 m of the site.

6.1.2 *Landfill and other Waste Sites*

There are no records of active, recent or historic landfill within 500 m of the site.

There are six records of waste exemptions within 500 m of the site: The closest being two, 186 m west of the site at Jacksons Frameworks for “Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising”, also at the same location for “use of waste in construction, spreading plant material to confer benefit, use of waste for a specified purpose and treatment of waste aerosol cans and use of mulch”.

6.1.3 *Current Land Uses*

There are twenty-seven current records of recent land uses thought to be of contamination risk to the site within 250 m: onsite and 35 m south for electricity sub-stations, 64 m northeast for an omnibus depot and 83 m east for a stagecoach. The onsite sub-station is to be relocated.

There are no records of current or recent tanks, current or obsolete petrol stations, electricity cables, gas pipelines, contaminated land, regulated explosive sites, hazardous substance storage, licenced industrial activities or radioactive authorisations within 500 m of the site.

There is one record of a major accident hazard (COSHH) 477 m northeast for British Gas historical NIHHS site.

There are two records of licenced pollutant release: 425 m north and 426 m northeast of the site.

There are no licenced discharges to controlled waters, pollutant release, or dangerous substance discharges within 500 m of the site.

6.1.4 *Environmental Permits, Incidents and Registers*

There are four pollution incidents within 500 m of the site, the closest being 215 m west of the site for “general biodegradable materials and waste”.

There are no sites registered for explosives, hazardous substances, historical industrial activities, pollutant release or radioactive substances within 500 m of the site.

There are no other records of discharge to controlled waters, pollution incidents or licences within 500 m of the site.

The site has not been determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990, and there are no records of such designations within 500 m of the site.

6.1.5 *Hydrology and Flood Risk*

The site lies on a Superficial Secondary B aquifer. The bedrock onsite is a Principal aquifer. The site lies on Lewes Nodular Chalk Formation-Chalk with superficial River Terrace Deposits (Undifferentiated)-Sand, silt and clay;

groundwater vulnerability within the site ranges from medium to high from west to east.

The site does not lie within a Source Protection Zone (SPZ). The site lies within 500 m south of the sea.

There are two records of licenced groundwater abstractions within 2000 m of the site: 1002 m northwest and 1007 m northwest; but no records of surface water or potable water abstractions within 2000 m.

The site lies largely in Flood Zone 3 (greater than 3.3% chance of flooding from rivers or the sea in any year). In the present day scenario the site is not considered to be at risk of surface water flooding, apart from a small section in the northeast corner of the site up to a depth of 1.0 m. The site is not at risk of groundwater flooding, apart from a small section at the location of the entranceway onto Marine Place to the west, which shows a moderate-high risk. Reservoir flooding is considered unlikely.

There are no historic records of flooding onsite.

6.1.6 *Designated Environmentally Sensitive Sites*

There are no recorded Sites of Special Scientific Interest (SSSI), Conserved Wetlands (Ramsar), Special Areas of Conservation (SAC), Special Protection Areas (SPA), National Nature Reserve (NNR), Local Nature Reserve (LNR), designated Ancient Woodland, Biosphere Reserves, Forest Parks, Green Belt, Special Areas of Conservation (SAC) or Special protection Areas (SPA) within 2000 m of the site.

There is one record of a Nitrate Vulnerable Zone within 2000 m: 1667 m northeast for Sussex Chalk groundwater.

The site and the surrounding area lie within an SSSI Impact Risk Zone, however, this type of development does not require consultation with regards to the SSSI. The proposed development is not thought likely to impact any statutory or non-statutory sites.

There are no world heritage sites, areas of outstanding natural beauty or national parks within 250 m of the site.

There are twenty-eight listed buildings within 250 m of the site, the closest being 7 m south - Bedford Cottage and 11 m east – 3-6 Bedford Row. The development onsite is not likely to impact any nearby listed buildings.

There are four conservation areas within 250 m of the site: onsite, 66 m east, 146 m northwest and 214 m northeast.

There are no ancient monuments or registered parks or gardens within 250 m of the site.

6.1.7 *Agricultural Designations*

There is one agricultural designation within 250 m of the site: onsite – urban no quality assigned.

There are no open land access, tree felling, or environmental stewardship within 250 m of the site, and two records of Middle Tier Countryside Stewardship: 12 m west and 152 m south.

6.1.8 *Priority Habitat Inventory*

There are no records of priority habitats within 250 m of the site.

6.1.9 *Geology*

The geology of the site is registered as Lewes Nodular Chalk Formation - Chalk bedrock with superficial River Terrace Deposits (Undifferentiated)-Sand, silt and clay. There is mixed moderate to high permeability onsite.

There are fourteen boreholes within 150 m of the site, the closest being 99 m south.

There is one record of shrink swell clay onsite: low with ground conditions being predominantly medium plasticity, and one record of running sands natural ground subsidence onsite: Low risk “*Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water*”.

There is a negligible risk rating for compressible deposits, a low risk for collapsible deposits and a very low risk for landslides and ground dissolution of soluble rocks onsite, as identified from BGS GeoSure Data.

6.1.10 *Natural Hazards Findings and Mining*

There are no records of britpits, surface ground workings, underground workings or historical mining within 500 m of the site.

There are three records for non-coal mining within 1000 m of the site: two onsite and one 80 m south of the site, all for chalk, also one record for researched mining 211 m west of the site.

There are no other mining related activities recorded within 2000 m of the site and no natural cavities or sink holes.

The site lies within an area where between 1% and 3% of properties are affected by radon. No radon protection measures are necessary.

7. POTENTIAL SOURCES OF CONTAMINATION

7.1 Land use history at the site has comprised:

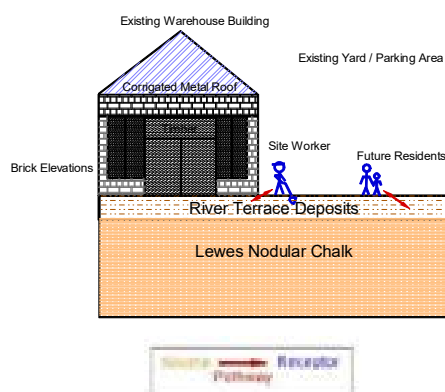
- Commercial use up to the present day.

7.2 Recent land use at the site has comprised use as a warehouse/storage building (industrial space) with associated yard/parking area.

8. RISK ASSESSMENT

8.1 The risk to future site users can be assessed using the Conceptual Model. This comprises three elements, all of which must be present for there to be a risk. The three elements of the model are a *source* of a potentially hazardous contaminant, a *pathway* by which the contaminant can be transmitted and a *receptor* on which the contaminant may have a harmful effect. A conceptual model for the site is given in Diagram 8.1 below:

DIAGRAM 8.1
CONCEPTUAL MODEL



8.2 Potential contaminant linkages between source, pathway and receptor for the site are shown in Table 8.1 below.

TABLE 8.1
POTENTIAL CONTAMINANT LINKAGES

Source		Pathway	Receptor	Risk
Contaminated soil	Contaminated groundwater			
Negligible contamination risk associated with historic or present land use	No significant risk	Contact with contaminated soil, groundwater or soil gas	Existing and future site users	×
		Ingestion of or skin contact with contaminated soil, dust or groundwater	Maintenance or construction workers engaged in groundworks on the site	×
		Contact with contaminated soil or ground water	Building & services	×
		Leeching of site contaminants into groundwater	Wider environment	×

Key: ✓ Significant risk × No significant risk ? Uncertain risk

- 8.3 From a review of available information, it is considered that there is minimal potential for contamination associated with historic land use.
- 8.4 It is proposed to redevelop the existing site (warehouse building and yard/parking area) for residential use (27 one-bedroom flats across three storeys) with private terraces and bike storage on the ground floor. The external area to the east is to be used as an outdoor communal space for storing bikes and bins and is to have some soft landscaping, however this is limited to shrubs and planted borders on the eastern boundary and, in the ground floor, private terraces. In this case, potential *receptors* may include site workers (during the development and future maintenance of the site), future site users (considered to include adults and children), buildings and services (including underground water mains) and the wider environment (considered not to be particularly hydro-geologically sensitive).
- 8.5 Source – Receptor Pathways.
- 8.5.1 Site workers (notably construction and ground workers) may come into contact with contaminated soil, groundwater and/or soil gas during the development of the site. See recommendations in Section 10 below.
- 8.5.2 Future site users could come into direct contact with soils in soft landscaped areas in the ground floor communal outdoor area. Exposure to contamination in the soil may be via dermal contact and /or inhalation. See recommendations in Section 10.

9. CONCLUSIONS

- 9.1 The National Planning Policy Framework December 2024 (paragraph 187f) states:
- “Planning policies and decisions should contribute to and enhance the natural and local environment by remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate.”*
- 9.2 The site lies on River Terrace Deposits over Lewes Nodular Chalk Formation bedrock, with medium-high groundwater vulnerability. The site does not lie within a groundwater Source Protection Zone (SPZ).
- 9.3 The site is not considered to be at significant risk of ground gas migration. The site does not lie within 250 m of waste disposal landfill. The site lies within an area where between 1 % and 3 % of properties are affected by radon, no protection measures are required.
- 9.4 The land-use history at the site has comprised of historic use as a warehouse/storage building with a yard (later used for car parking) and does not appear to have included activities with a significant contamination risk. There

was no evidence of the current or past storage of significant quantities of liquid fuels or other potentially contaminating fluids at the site.

- 9.5 The site lies within a SSSI Risk Impact Zone; however, this relates to the development of major infrastructure, and the proposed residence will not need further consultation.
- 9.6 It is proposed to redevelop the site for residential use comprising 27 one-bedroom apartments with communal areas.
- 9.7 The overall environmental risk for the site is rated according to the risk assessment matrix in Table 9.1 below:

TABLE 9.1
RISK ASSESSMENT MATRIX

PROBABILITY OF IMPACT	CONTAMINATION POTENTIAL		
	SEVERE	MODERATE OR UNCERTAIN	MINIMAL
High	4	3	2
Medium	3	2	1
Low	2	1	1

1 = low risk, 2 = low to moderate risk, 3 = moderate to high risk, 4 = high risk.

- 9.8 In this case, no significant contamination has been identified. The probability of impact for the proposed residential land use is low. The contamination potential appears to be minimal. The overall risk rating for the site is low (1).

10. RECOMMENDATIONS

- 10.1 In this case, no further intrusive site investigation is indicated.
- 10.2 Exposure to any potential soil contaminants during construction is most effectively addressed by appropriate industrial hygiene when the surface soil and made ground is handled during site clearance and groundworks. Measures should include the wearing of boots gloves and coveralls, and dust masks (particularly on dry days) wherever dust is generated. Eating and smoking in excavations should be avoided.
- 10.3 Observations / awareness for the potential of unexpected contamination should be implemented as standard in any construction; should any unexpected contamination be identified during the development phase, the Worthing Borough Council is to be notified, and any necessary remediation work carried out as required. An investigation may be carried out and, possible remediation required, a remediation strategy may need to be prepared for approval by the Local Planning Authority.



APPENDIX A

- Figure 1: **Site Location Plan**
- Figure 2: **Site as Existing**
- Figure 3: **Proposed Development**
- Figure 4: **Conceptual Model**



Craig Construction Services

10-20 Marine Place, Worthing, West Sussex, BN11 3DN

Figure 1: Location

Scale as shown

March 2026

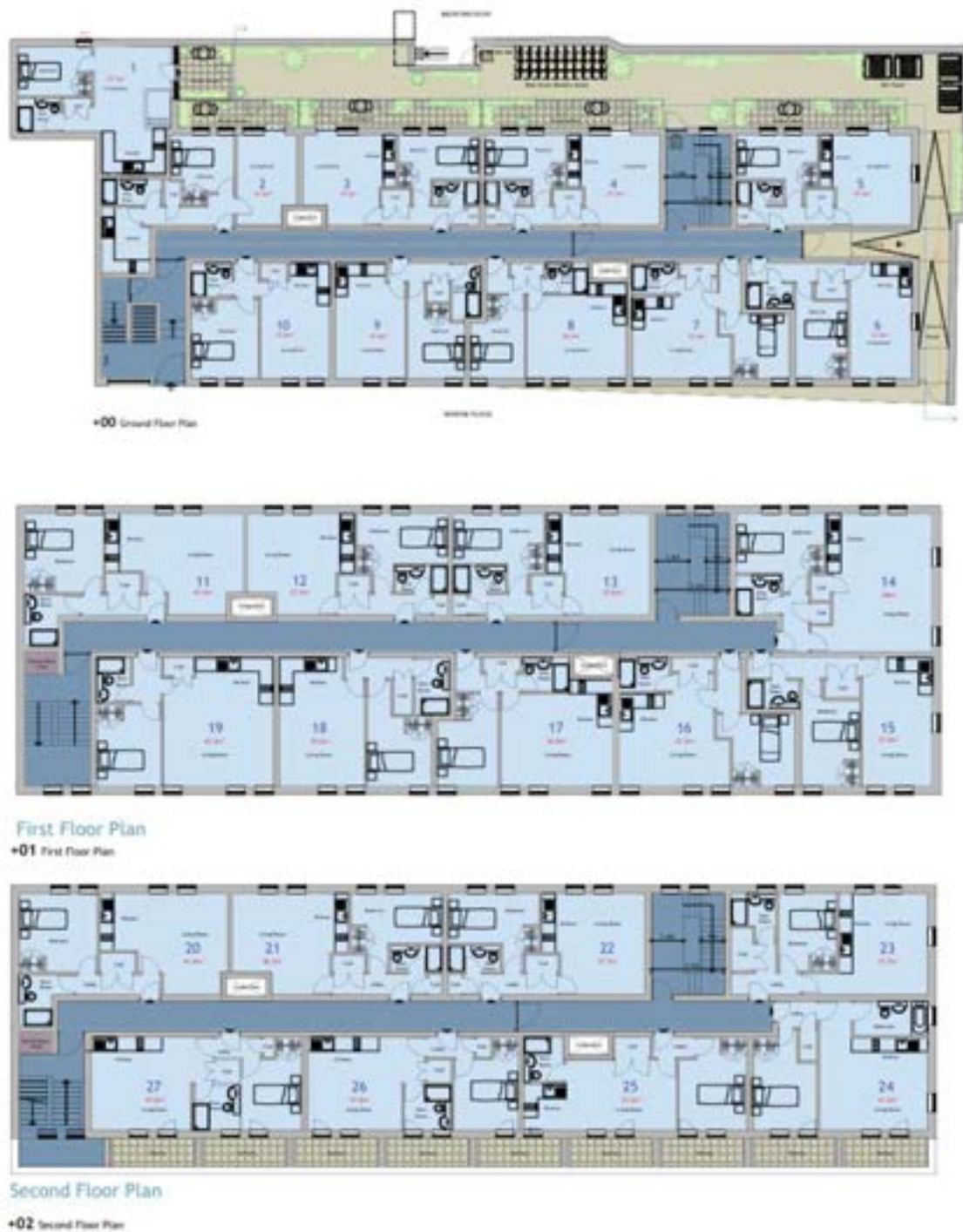


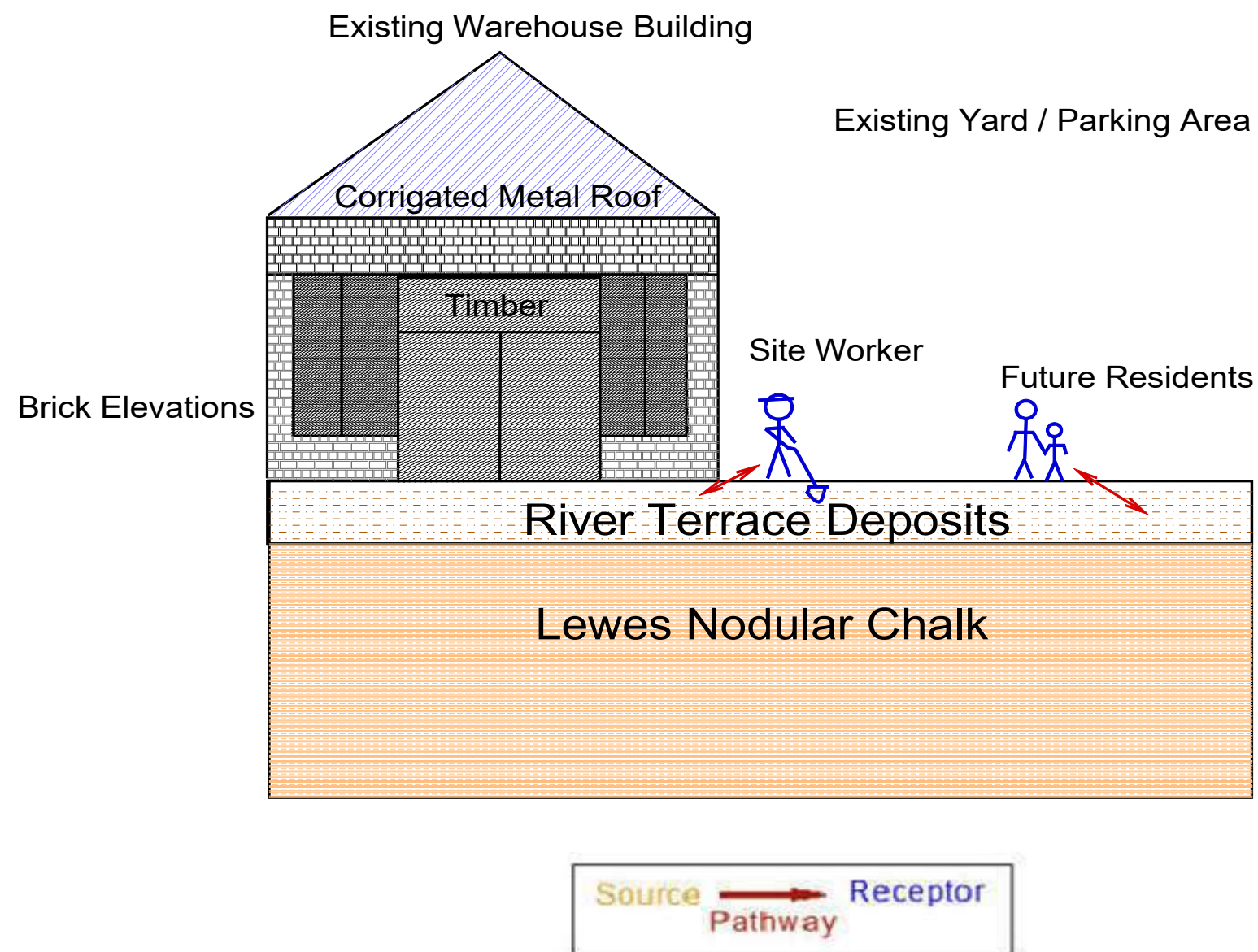
Craig Construction Services 10-20 Marine Place, Worthing, West Sussex, BN11 3DN

Figure 2: Site As Existing

March 2026

Figure 3: Proposed Development





Craig Construction Services

10-20 Marine Place, Worthing, West Sussex, BN11 3DN

Scale as shown

Figure 4: Conceptual Model

March 2026

APPENDIX B

Historic Maps

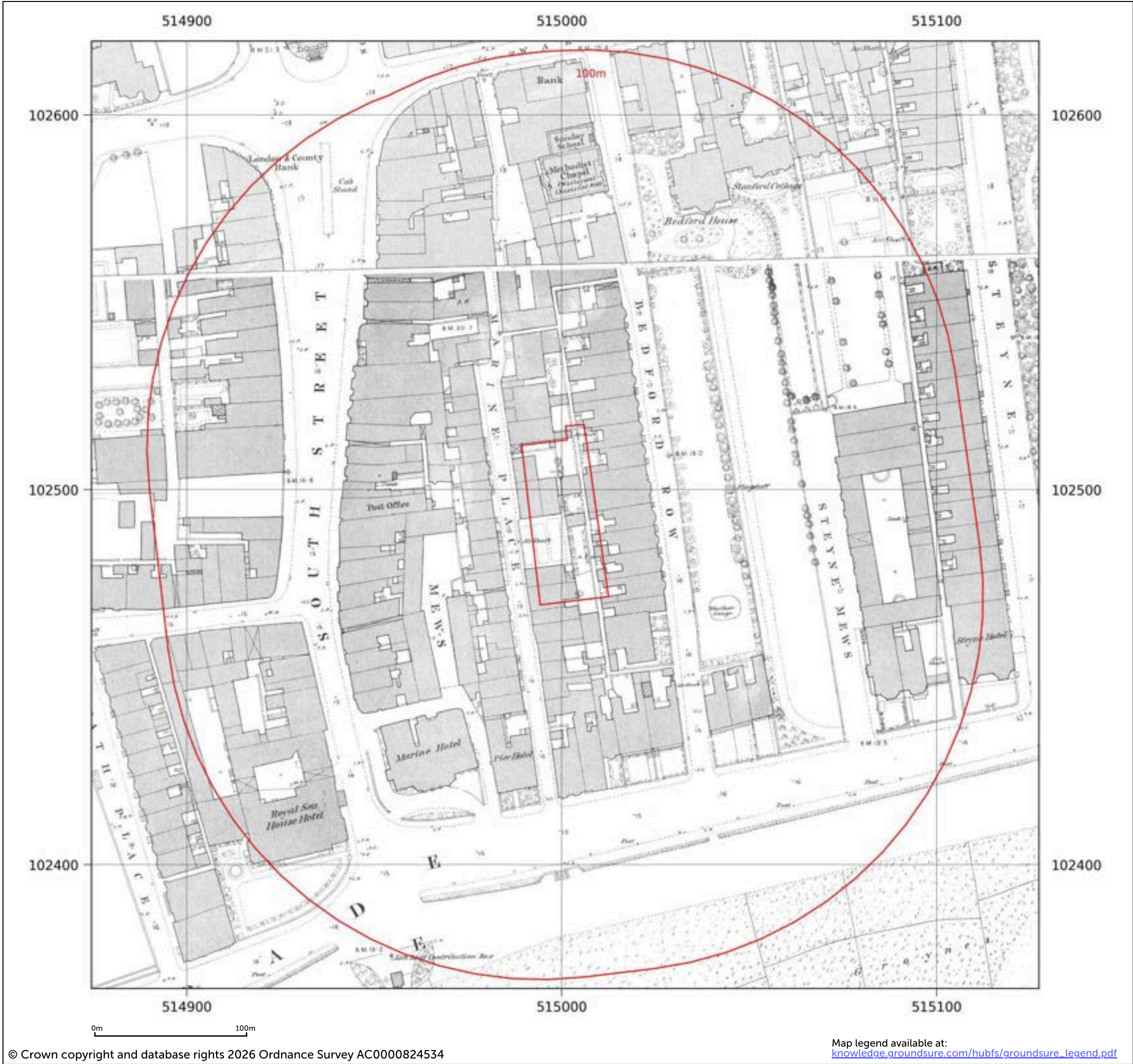
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	500 Scale Town Plans
Map date:	1875
Scale:	1:500
Printed at:	1:1,000



Date: 1875 Surveyed: 1875
Date: 1875 Surveyed: 1875

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:

10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref:

883

Report ref:

HMD-47-ISI-KQG-RKV-G8W

Grid ref:

515000.71, 102491.94

Production date:

6 March 2026

Map name:

County Series

Map date:

1875

Scale:

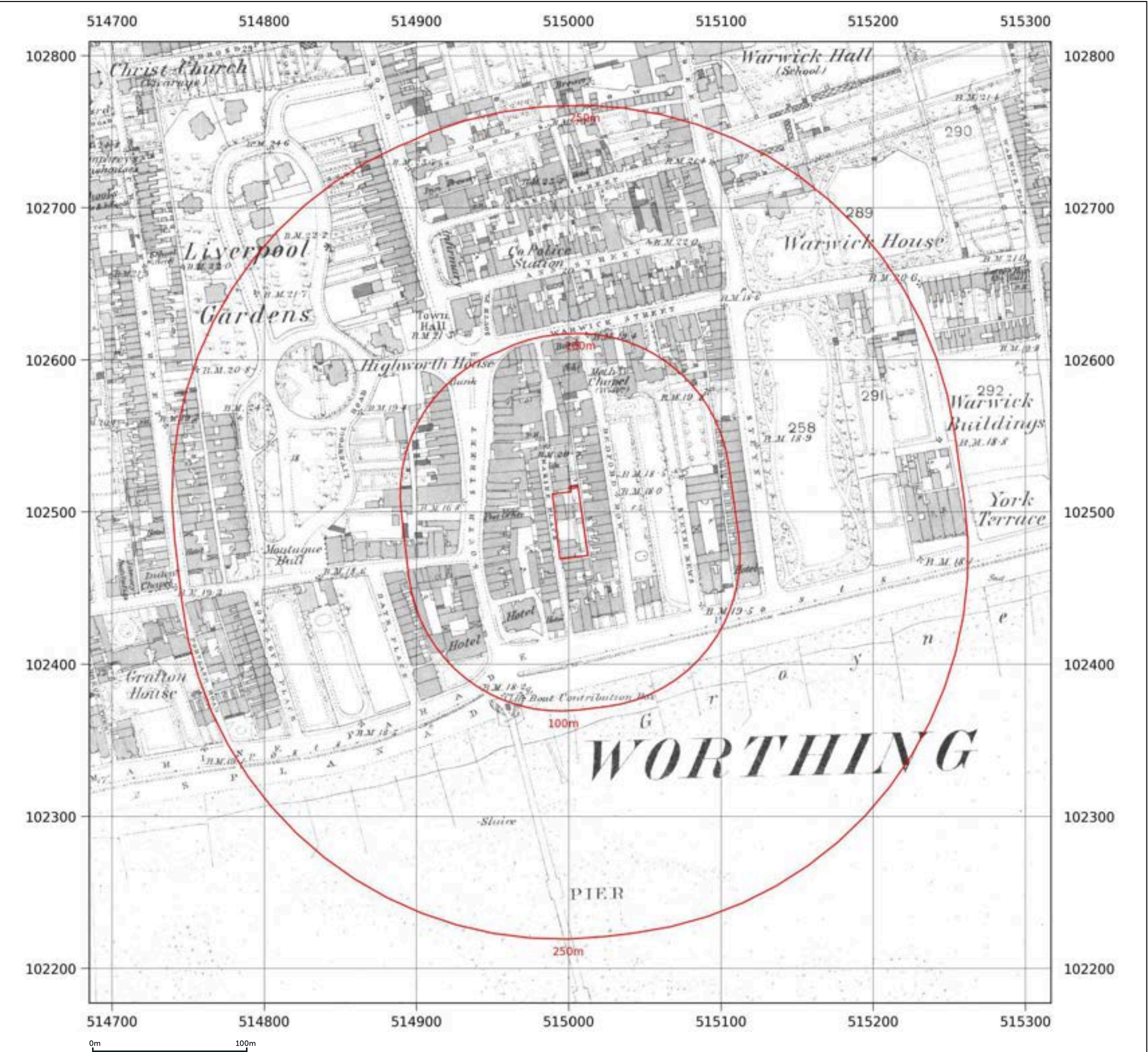
1:2,500

Printed at:

1:2,500

Date: 1875
Surveyed: 1875
Revised: 1875

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: County Series

Map date: 1898

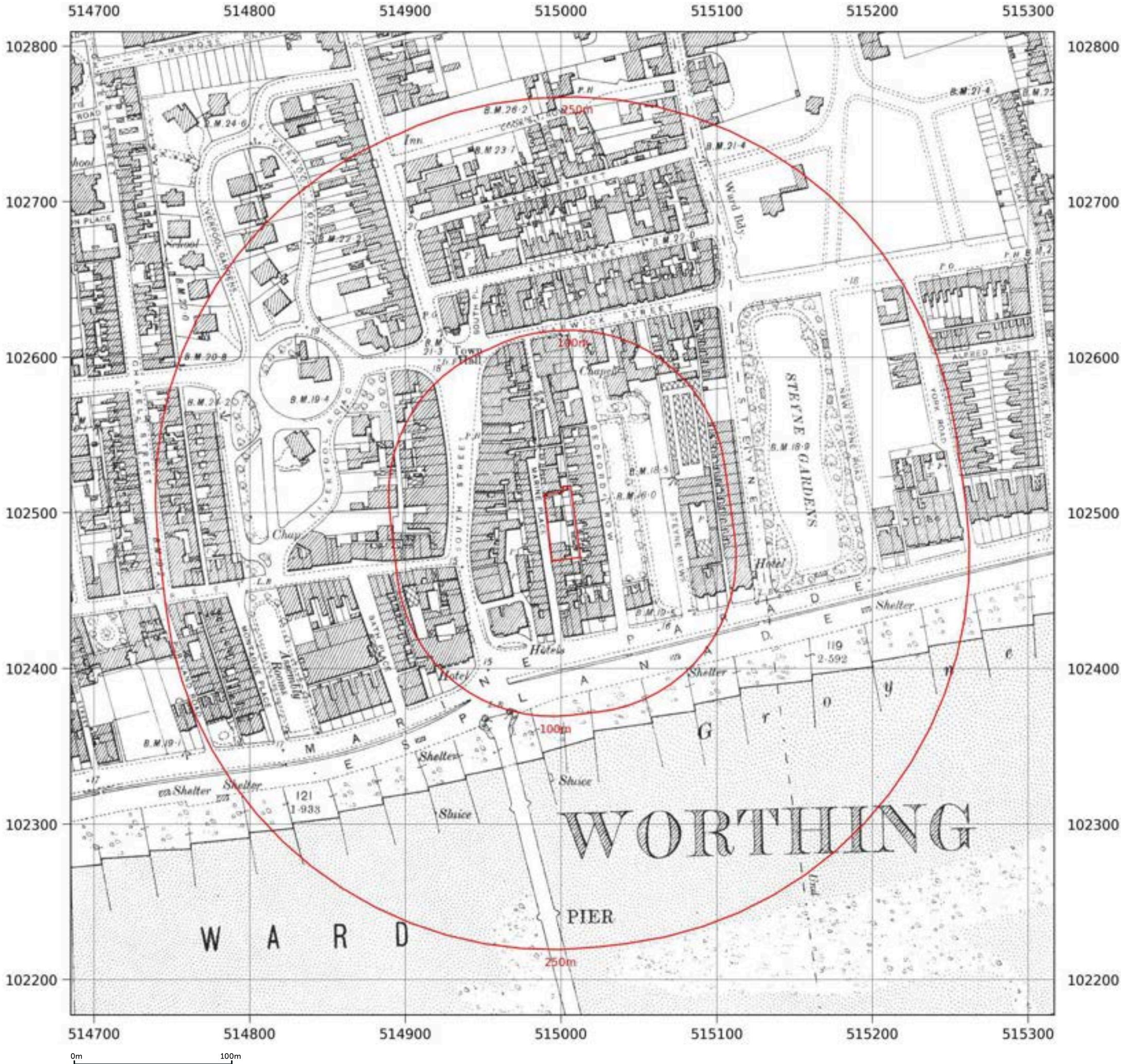
Scale: 1:2,500

Printed at: 1:2,500



Date: 1898
Surveyed: 1898
Revised: 1898

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: County Series

Map date: 1912

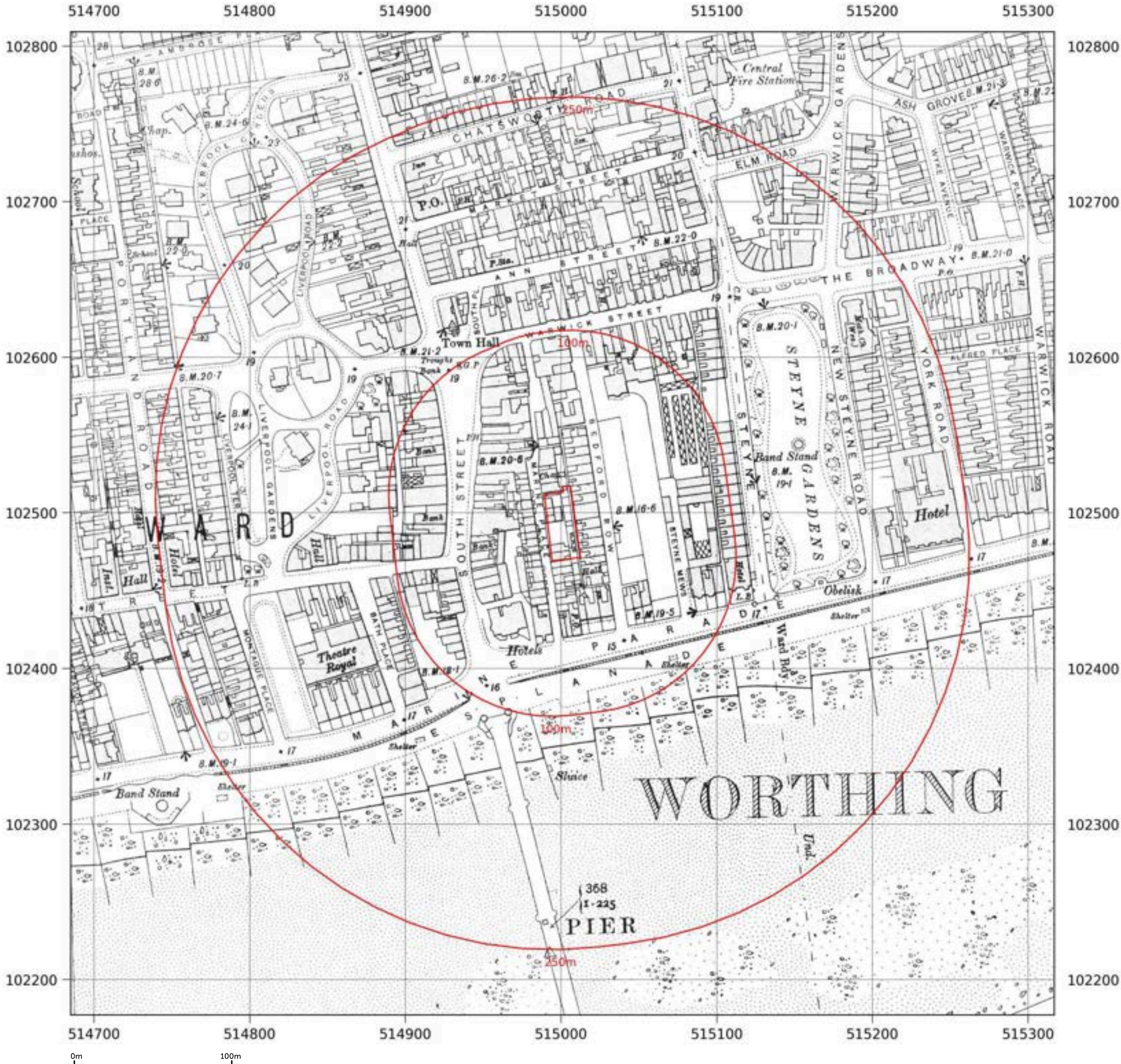
Scale: 1:2,500

Printed at: 1:2,500



Date: 1912
Surveyed: 1912
Revised: 1912

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:

10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref:

883

Report ref:

HMD-47-ISI-KQG-RKV-G8W

Grid ref:

515000.71, 102491.94

Production date:

6 March 2026

Map name:

County Series

Map date:

1932

Scale:

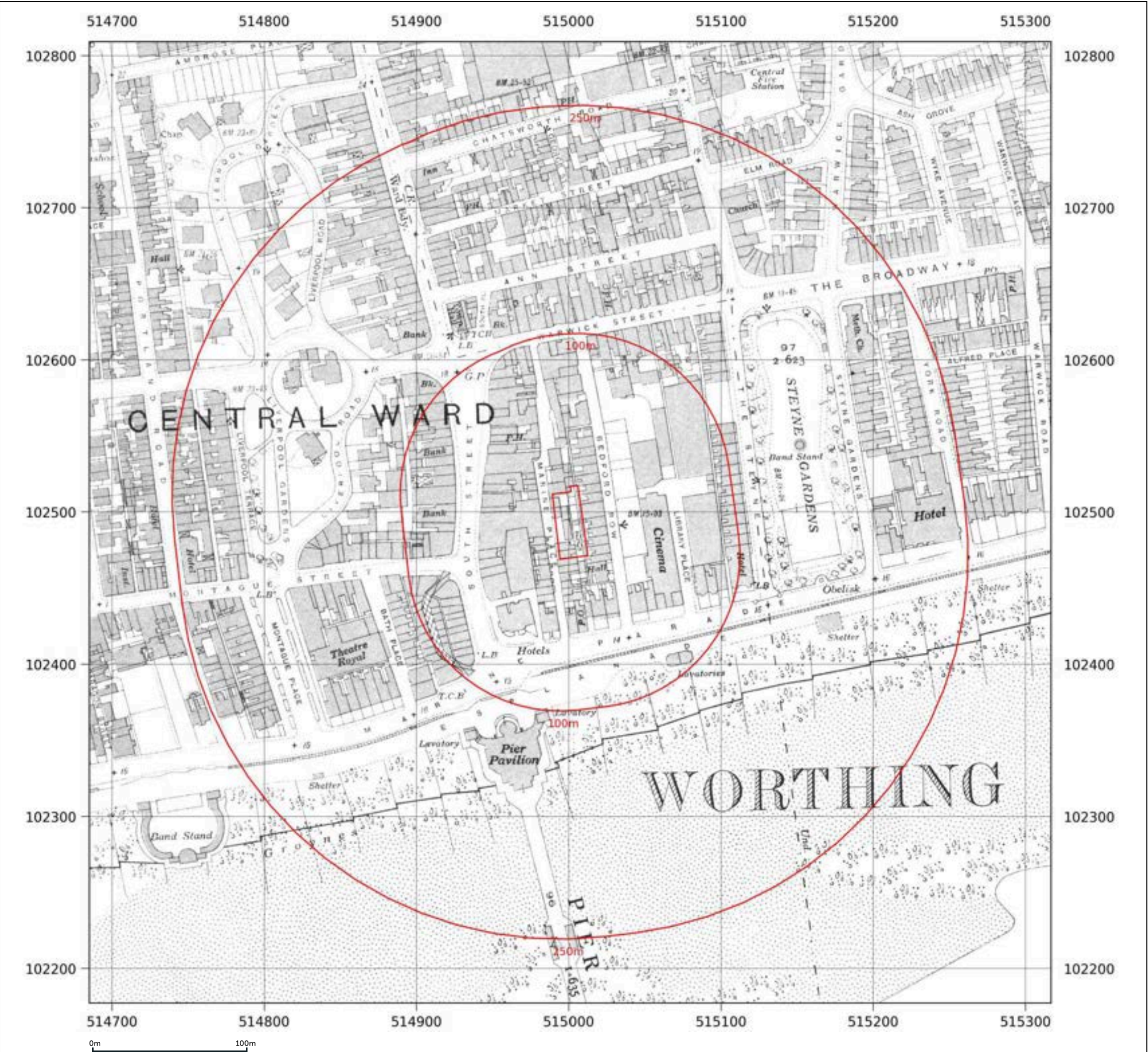
1:2,500

Printed at:

1:2,500

Date: 1932
Surveyed: 1932
Revised: 1932

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:

10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref:

883

Report ref:

HMD-47-ISI-KQG-RKV-G8W

Grid ref:

515000.71, 102491.94

Production date:

6 March 2026

Map name:

County Series

Map date:

1943

Scale:

1:2,500

Printed at:

1:2,500

Date: 1943
Surveyed: 1943
Revised: 1943

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1952-1953

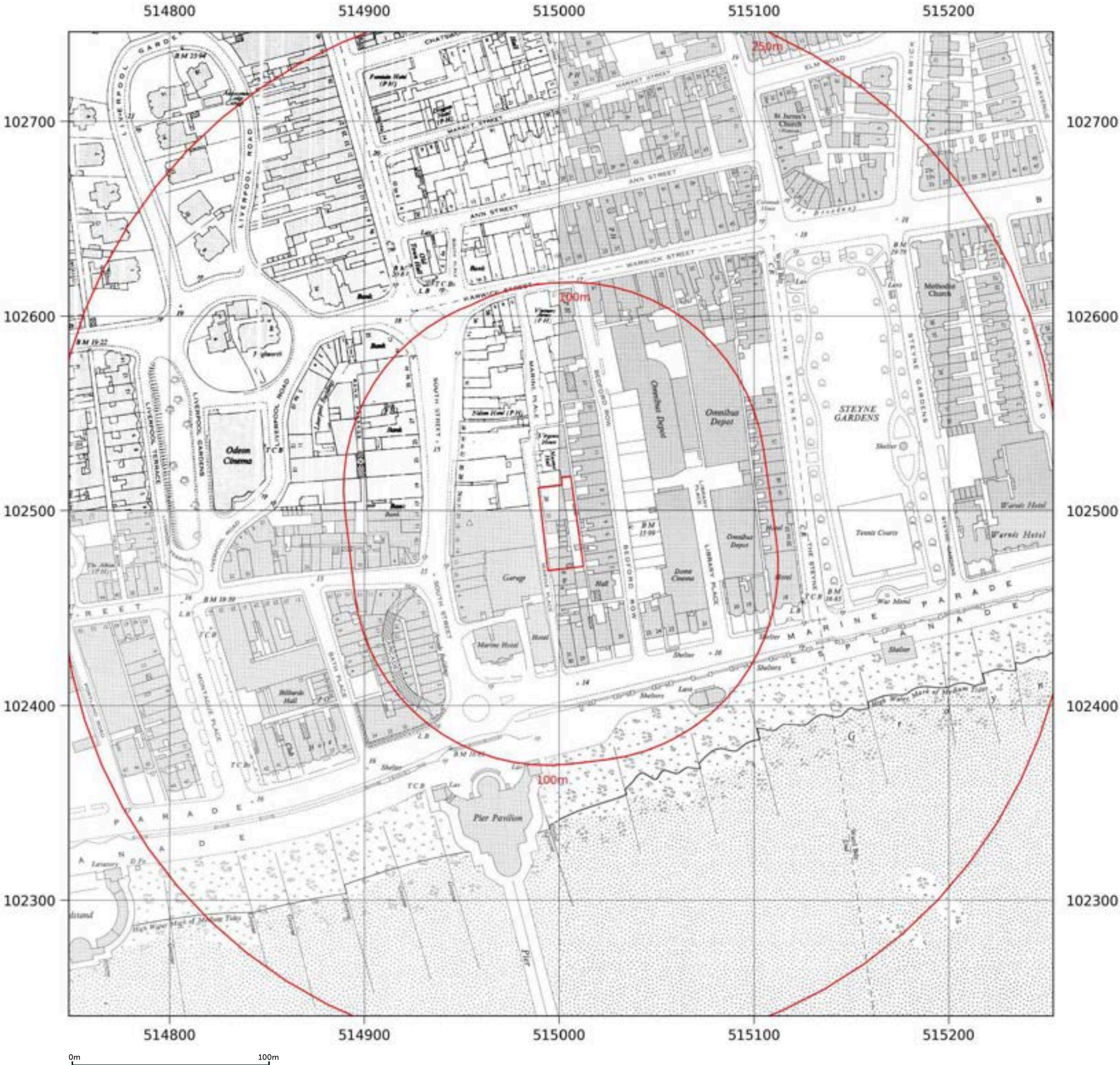
Scale: 1:1,250

Printed at: 1:2,000



Date: 1953	Date: 1952 Surveyed: 1952 Revised: 1952 Levelled: 1950
Date: 1952 Surveyed: 1952 Revised: 1952 Levelled: 1950	Date: 1952 Surveyed: 1952 Revised: 1952 Levelled: 1950

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1953

Scale: 1:1,250

Printed at: 1:2,000



	Date: 1953
Date: 1953	Date: 1953

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1952-1954

Scale: 1:2,500

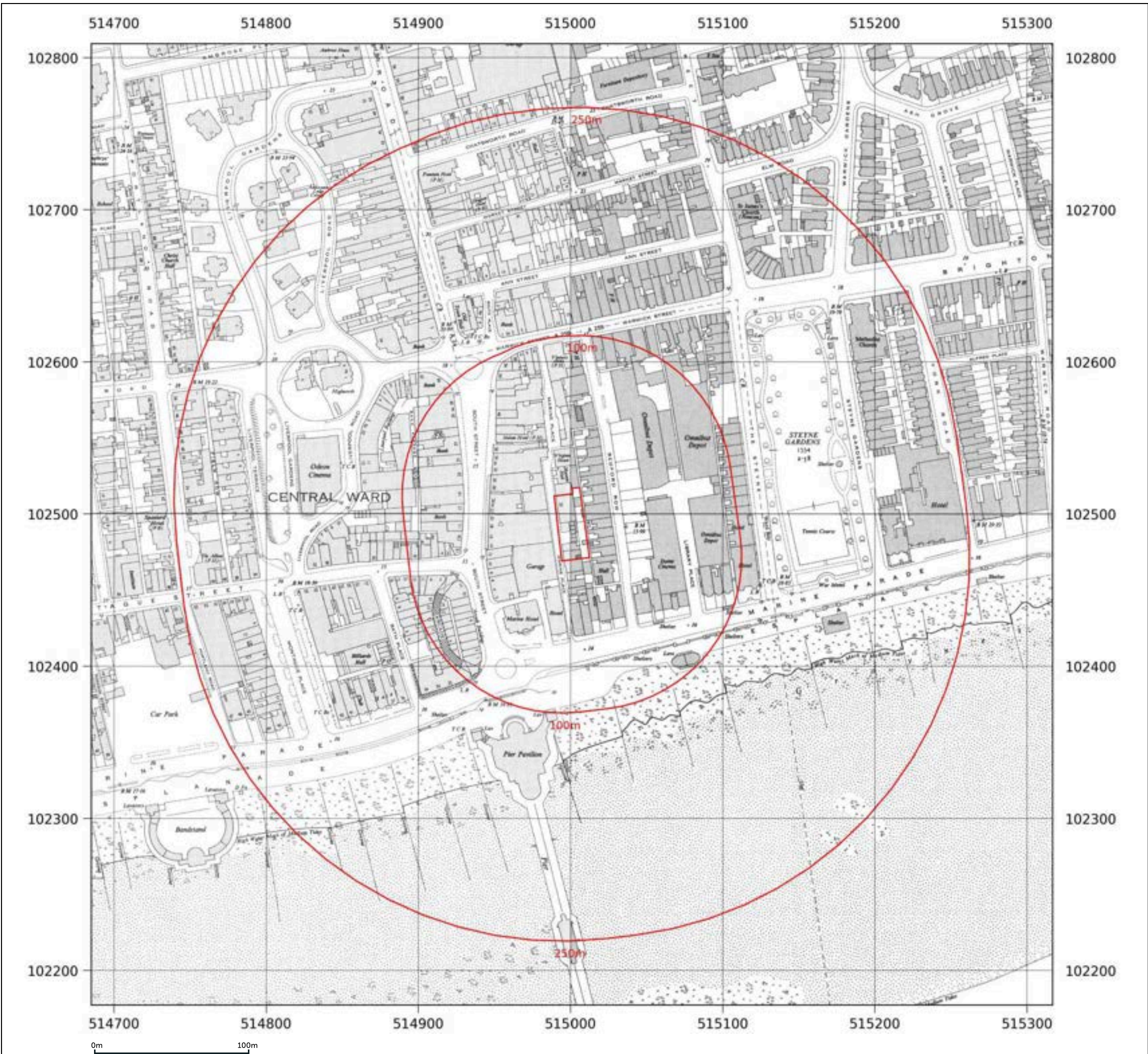
Printed at: 1:2,500



Date: 1954
Surveyed: 1952
Revised: 1952
Edition: 1954
Levelled: 1950

Date: 1952
Surveyed: 1952
Revised: 1952
Levelled: 1950

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1962-1967

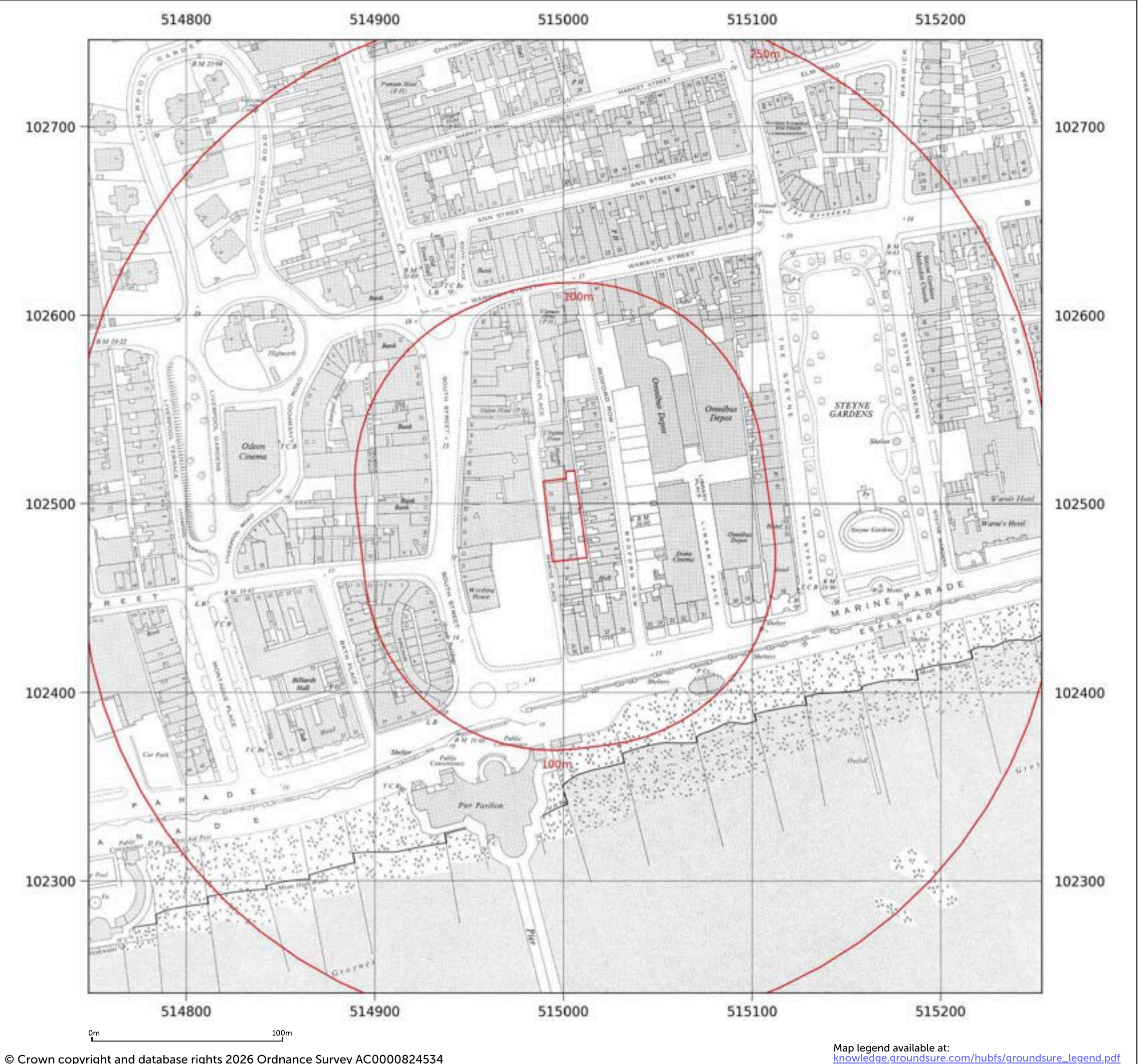
Scale: 1:1,250

Printed at: 1:2,000



Date: 1962 Surveyed: 1962 Revised: 1962 Levelled: 1950	Date: 1967 Surveyed: 1952 Revised: 1966 Copyright: 1967 Levelled: 1966
Date: 1967 Surveyed: 1952 Revised: 1966 Copyright: 1967 Levelled: 1959	Date: 1967 Surveyed: 1952 Revised: 1966 Copyright: 1967 Levelled: 1959

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1970-1973

Scale: 1:1,250

Printed at: 1:2,000



Date: 1970 Surveyed: 1969 Revised: 1969 Copyright: 1970 Levelled: 1966	Date: 1973
Date: 1973 Surveyed: 1952 Revised: 1973 Copyright: 1973 Levelled: 1966	

Contact us with any questions at:
info@groundsure.com
01273 257 755



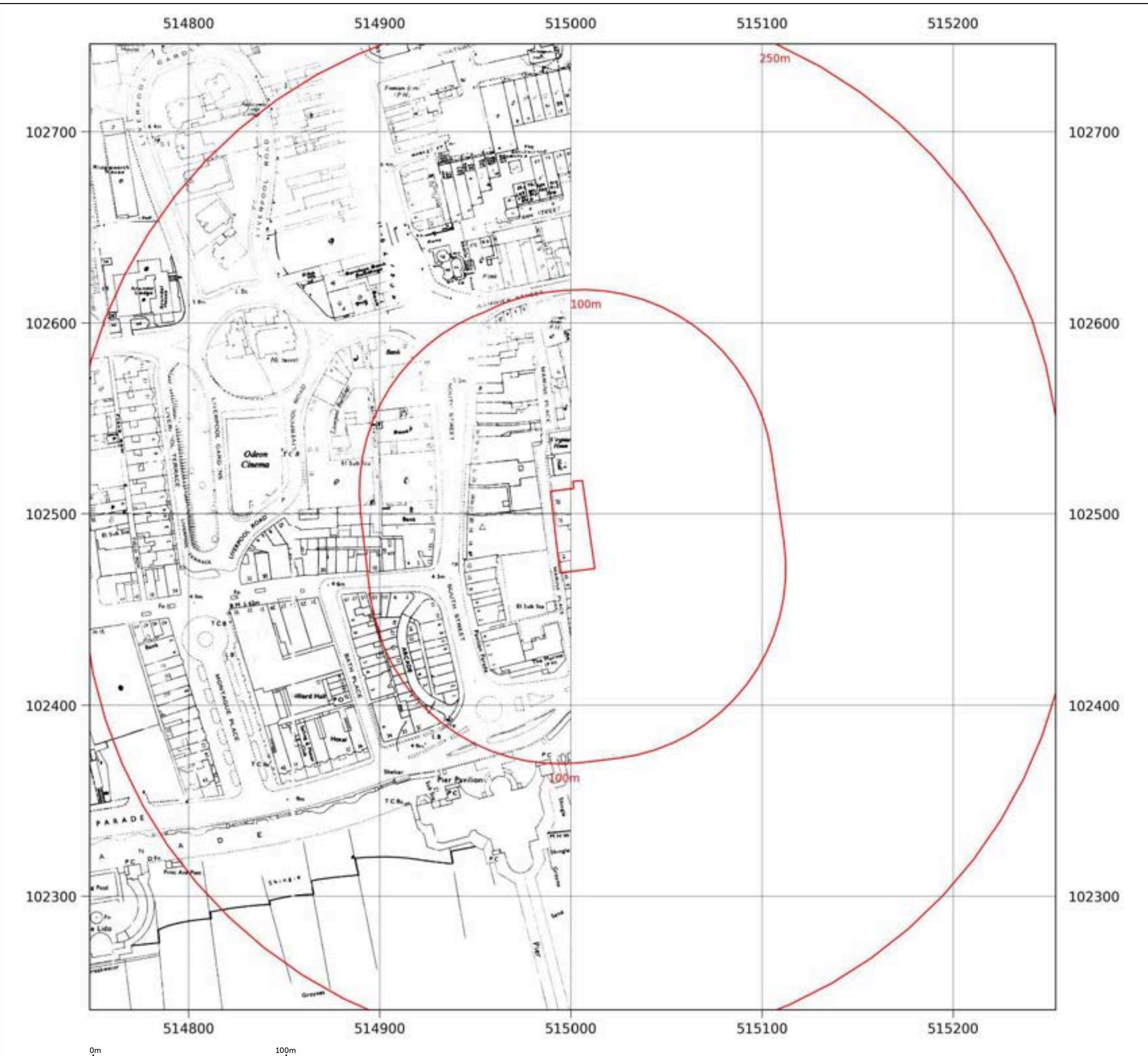
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	1975
Scale:	1:1,250
Printed at:	1:2,000



Date: 1975	
Date: 1975	

Contact us with any questions at:
info@groundsure.com
01273 257 755



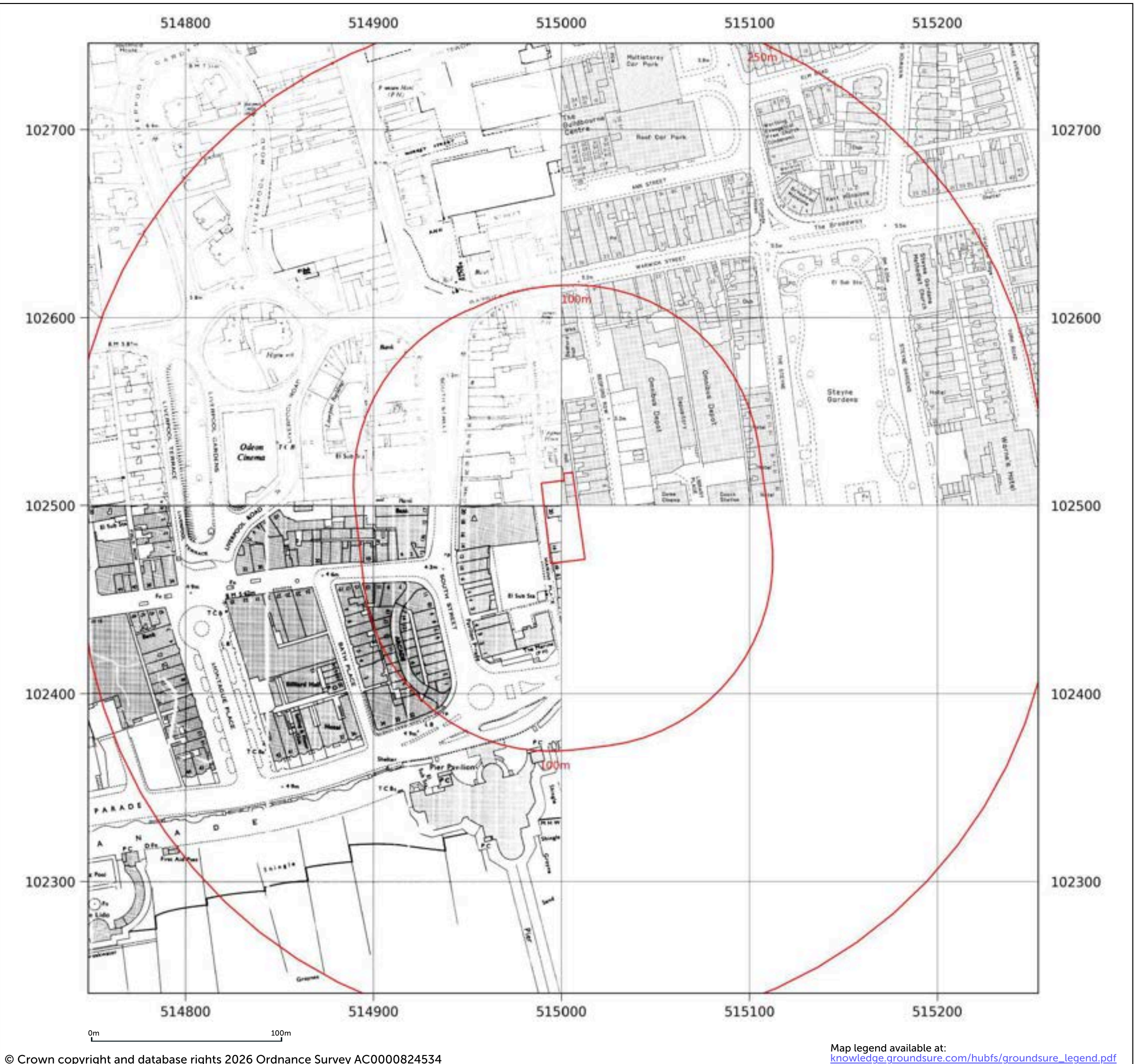
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	1973-1976
Scale:	1:1,250
Printed at:	1:2,000



Date: 1973	Date: 1976 Surveyed: 1952 Revised: 1975 Copyright: 1976 Levelled: 1966
Date: 1974	

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	1976
Scale:	1:1,250
Printed at:	1:2,000



Date: 1976
Surveyed: 1952
Revised: 1975
Copyright: 1976
Levelled: 1966

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1987-1990

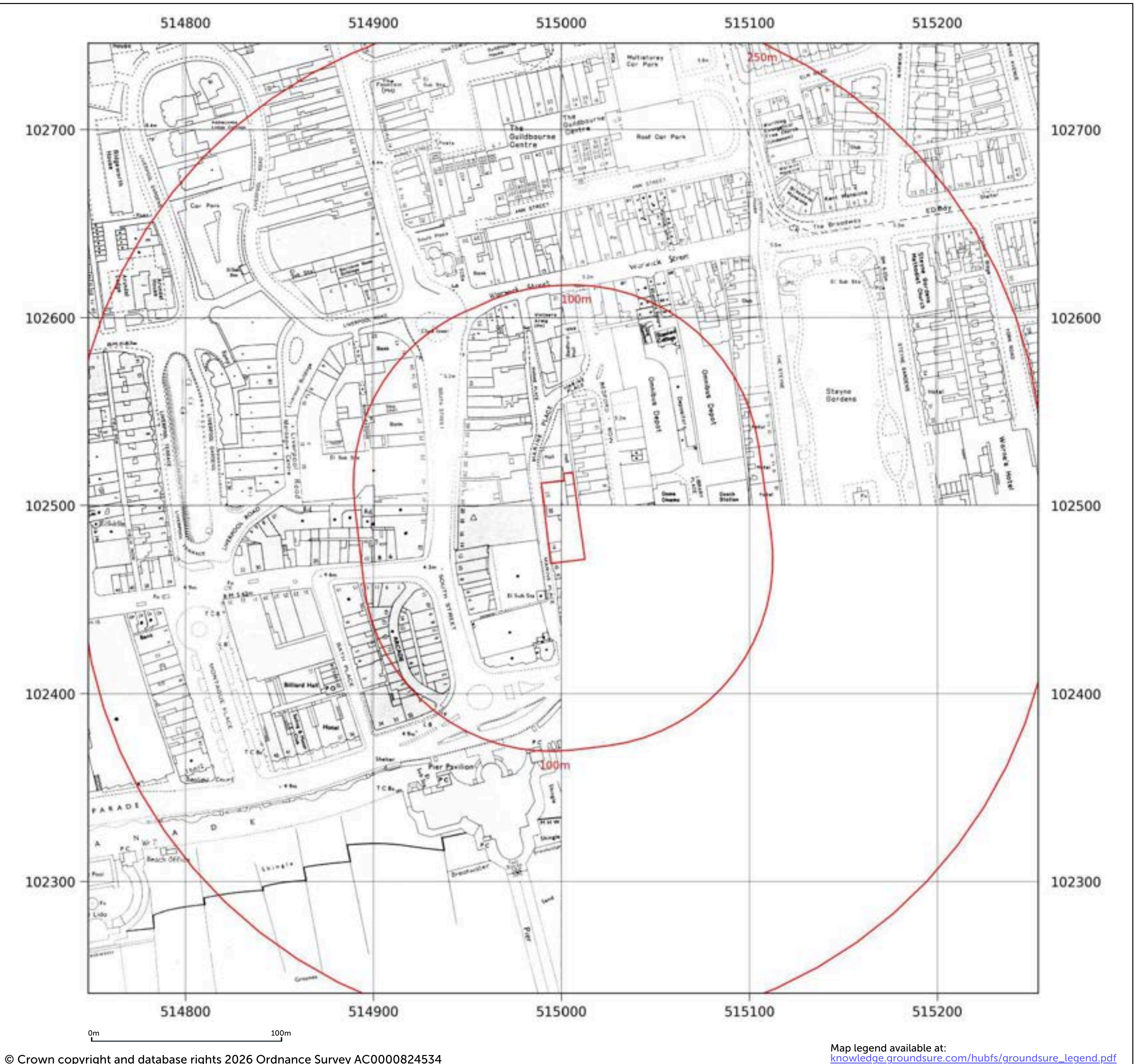
Scale: 1:1,250

Printed at: 1:2,000

N
W E
S

Date: 1990 Surveyed: 1966 Revised: 1990 Copyright: 1990 Levelled: 1966	Date: 1987 Surveyed: 1966 Revised: 1987 Copyright: 1987 Levelled: 1966
Date: 1987 Surveyed: 1966 Revised: 1987 Copyright: 1987 Levelled: 1966	

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 1990-1994

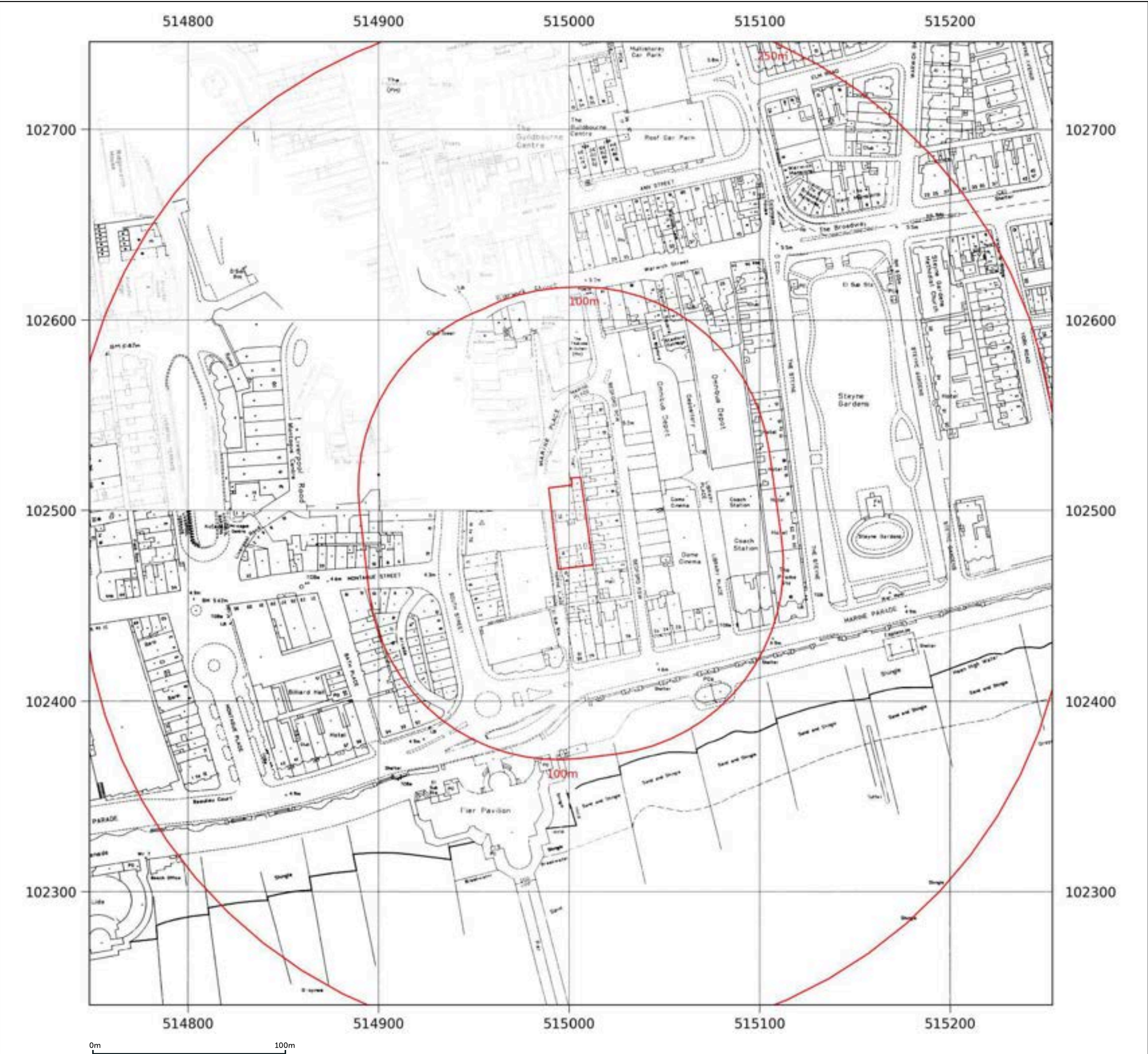
Scale: 1:1,250

Printed at: 1:2,000



Date: 1990 Copyright: 1990 Levelled: 1966	Date: 1994 Copyright: 1994
Date: 1994 Copyright: 1994	Date: 1994 Copyright: 1994

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	1994
Scale:	1:1,250
Printed at:	1:2,000



Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



Date: 2003

Contact us with any questions at:
info@groundsure.com
01273 257 755



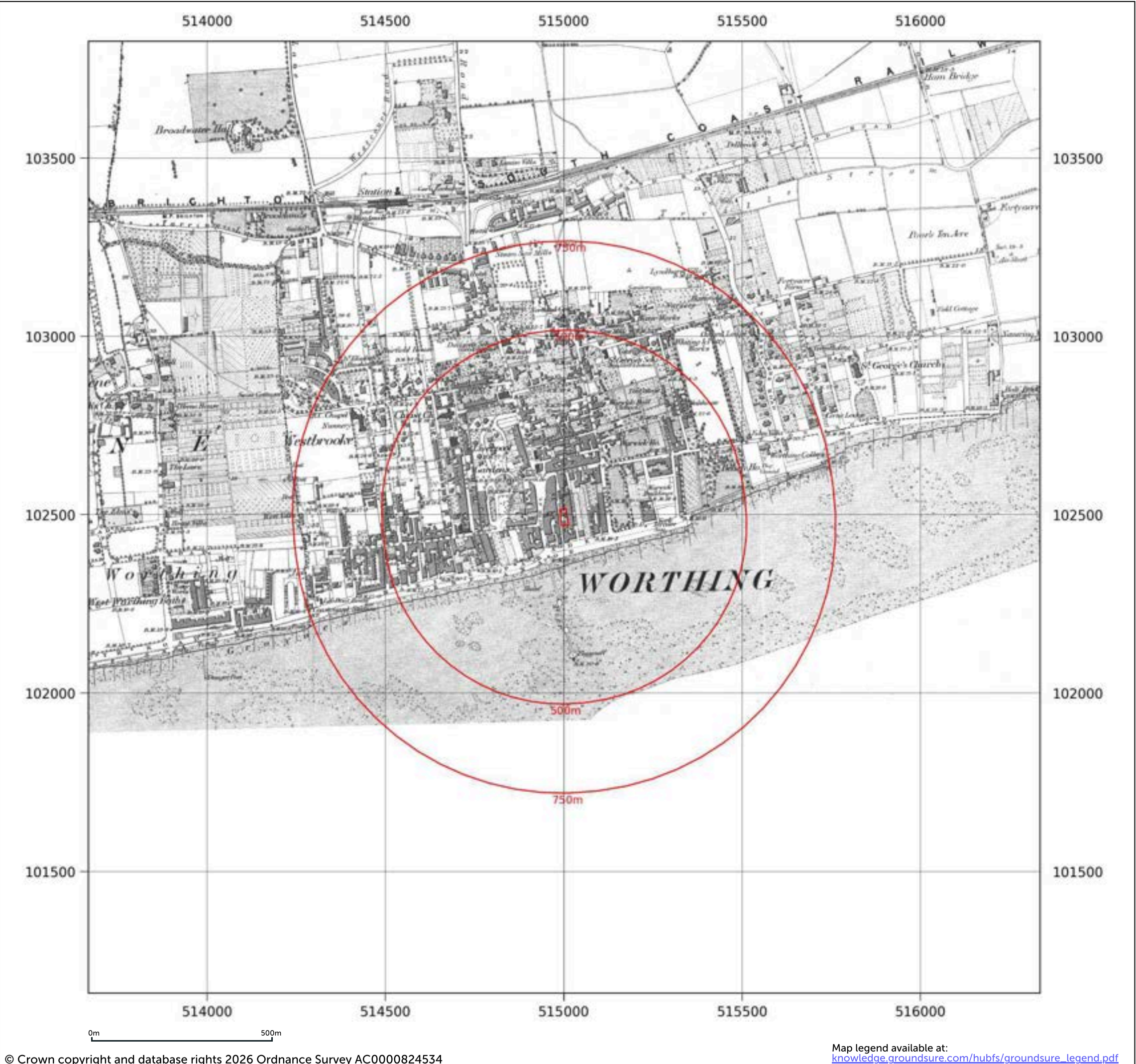
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1875
Scale:	1:10,560
Printed at:	1:10,560



Date: 1875 Surveyed: 1875 Revised: 1875

Contact us with any questions at:
info@groundsure.com
01273 257 755



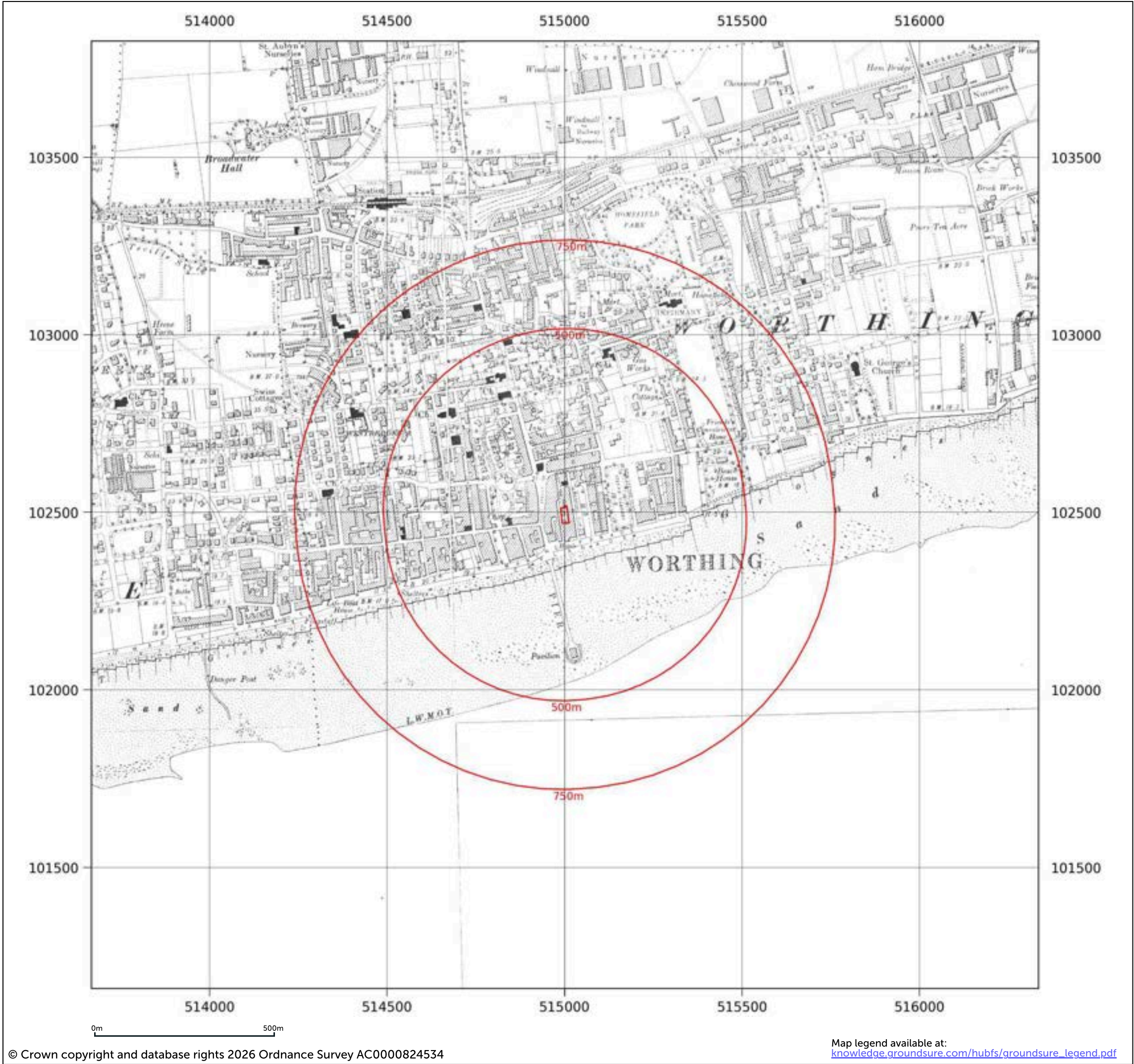
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1896
Scale:	1:10,560
Printed at:	1:10,560



Date: 1896 Surveyed: 1875 Revised: 1896	Date: 1896 Surveyed: 1875 Revised: 1896
Date: 1896 Surveyed: 1875 Revised: 1896	

Contact us with any questions at:
info@groundsure.com
01273 257 755



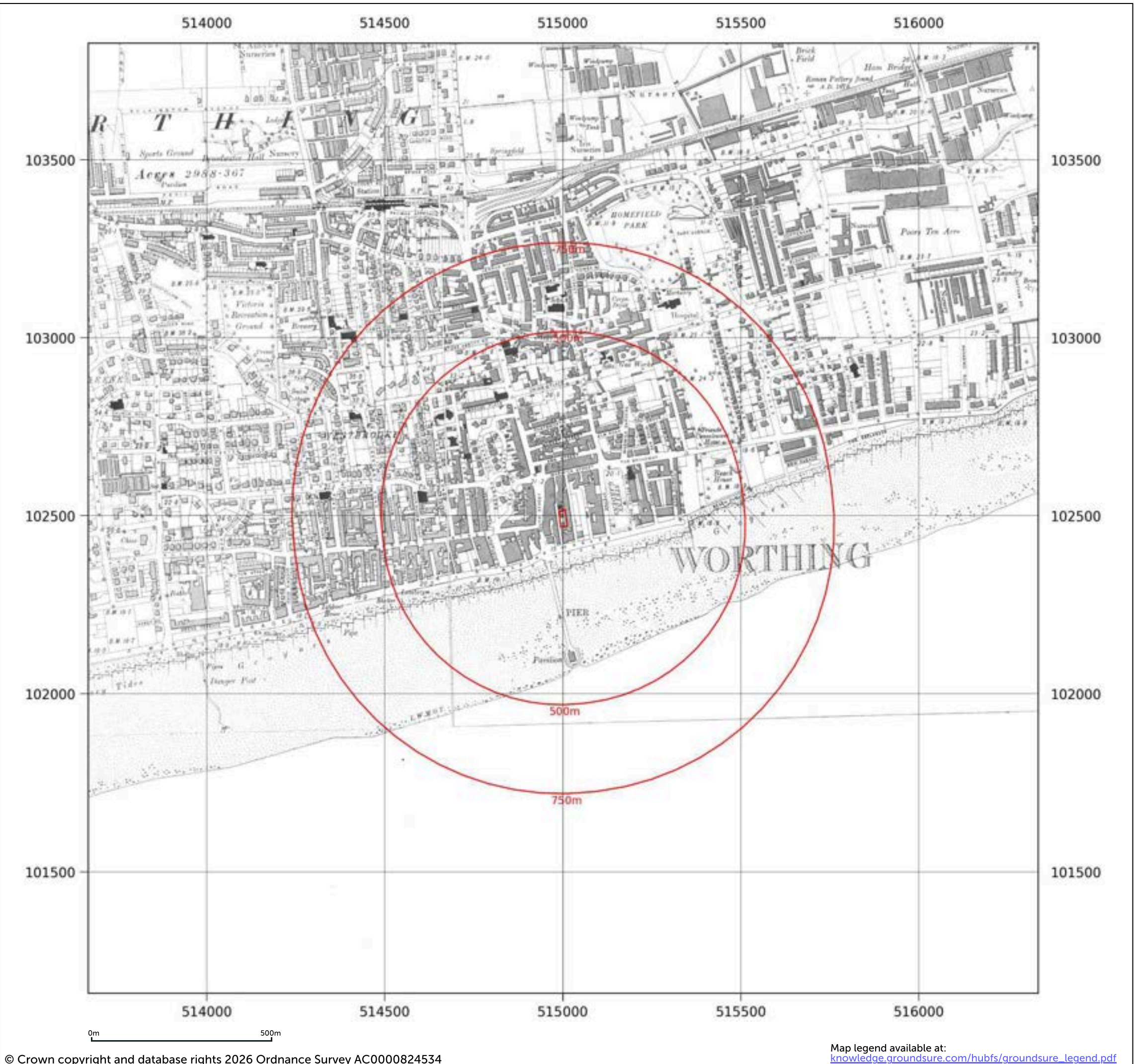
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1909
Scale:	1:10,560
Printed at:	1:10,560



Date: 1909 Surveyed: 1875 Revised: 1909	Date: 1909 Surveyed: 1875 Revised: 1909
Date: 1909 Surveyed: 1875 Revised: 1909	

Contact us with any questions at:
info@groundsure.com
01273 257 755



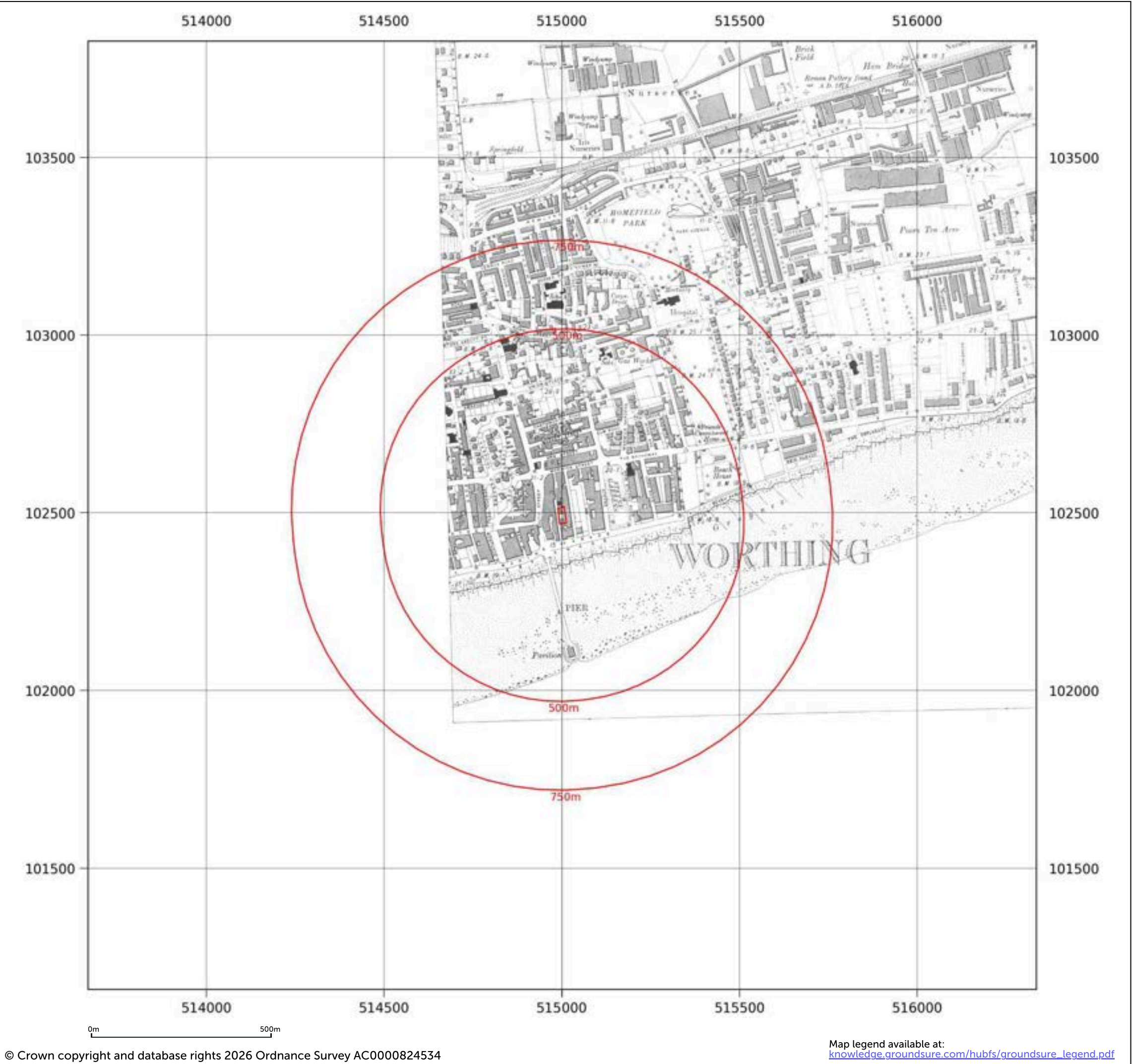
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1909
Scale:	1:10,560
Printed at:	1:10,560



Date: 1909 Surveyed: 1875 Revised: 1909

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1909
Scale:	1:10,560
Printed at:	1:10,560



Date: 1909
Surveyed: 1875
Revised: 1909

Contact us with any questions at:
info@groundsure.com
01273 257 755



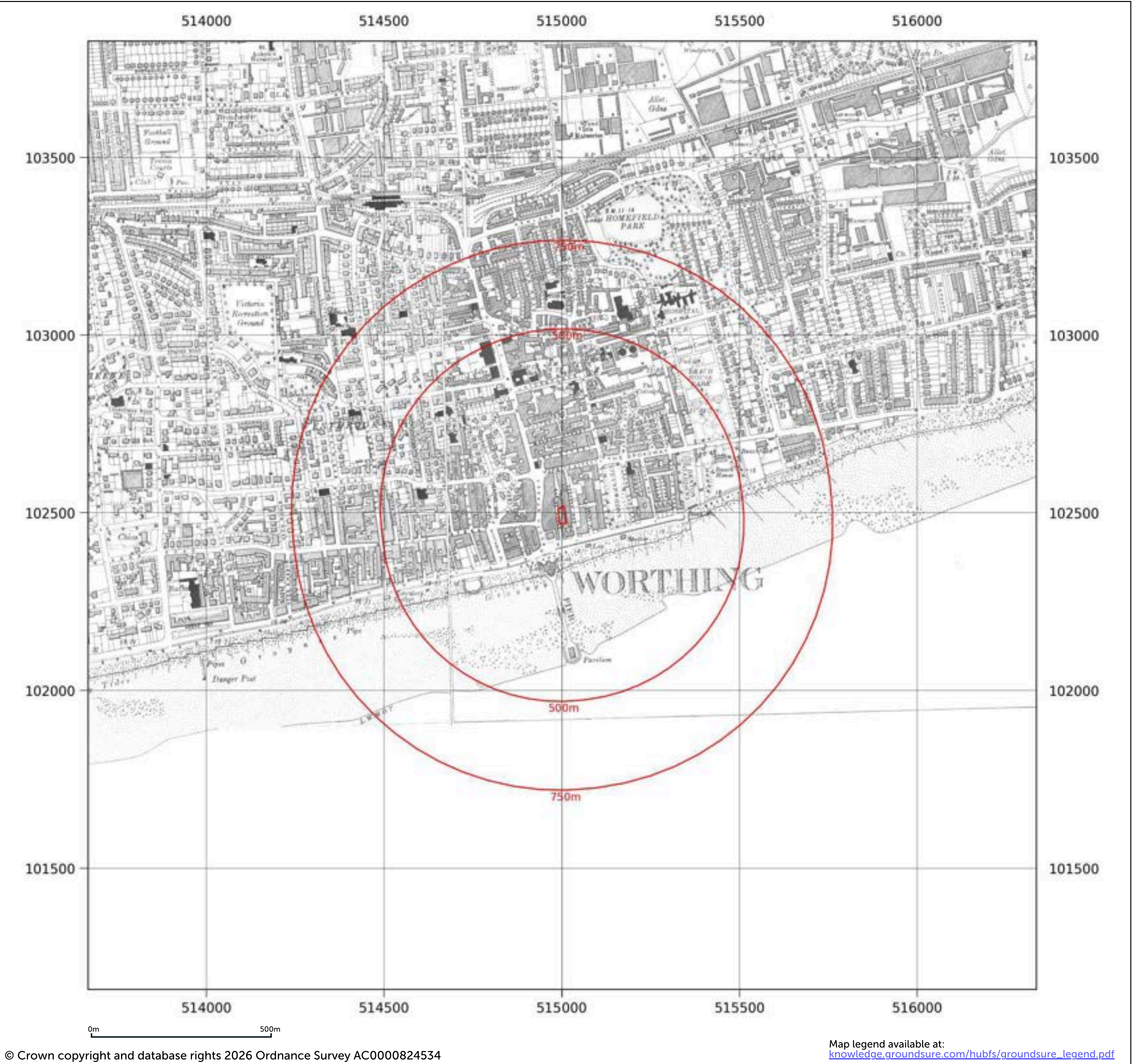
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1932-1933
Scale:	1:10,560
Printed at:	1:10,560



Date: 1933 Surveyed: 1875 Revised: 1933	Date: 1932 Surveyed: 1875 Revised: 1932
Date: 1932 Surveyed: 1875 Revised: 1932	

Contact us with any questions at:
info@groundsure.com
01273 257 755



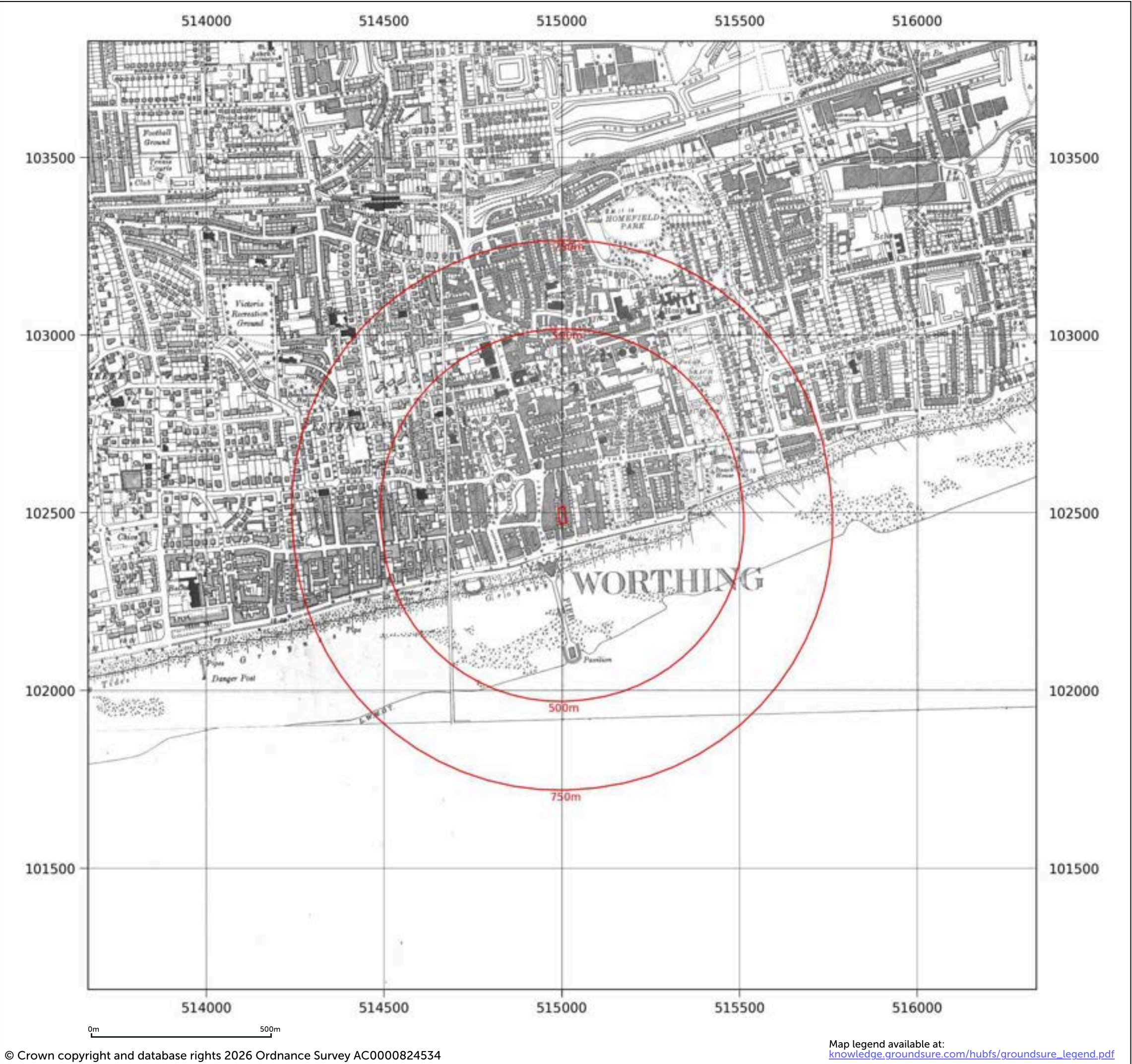
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1938
Scale:	1:10,560
Printed at:	1:10,560



Date: 1938 Surveyed: 1875 Revised: 1938	Date: 1938 Surveyed: 1875 Revised: 1938 Levelled: 1909
Date: 1938 Surveyed: 1875 Revised: 1938	

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	County Series
Map date:	1950
Scale:	1:10,560
Printed at:	1:10,560

N

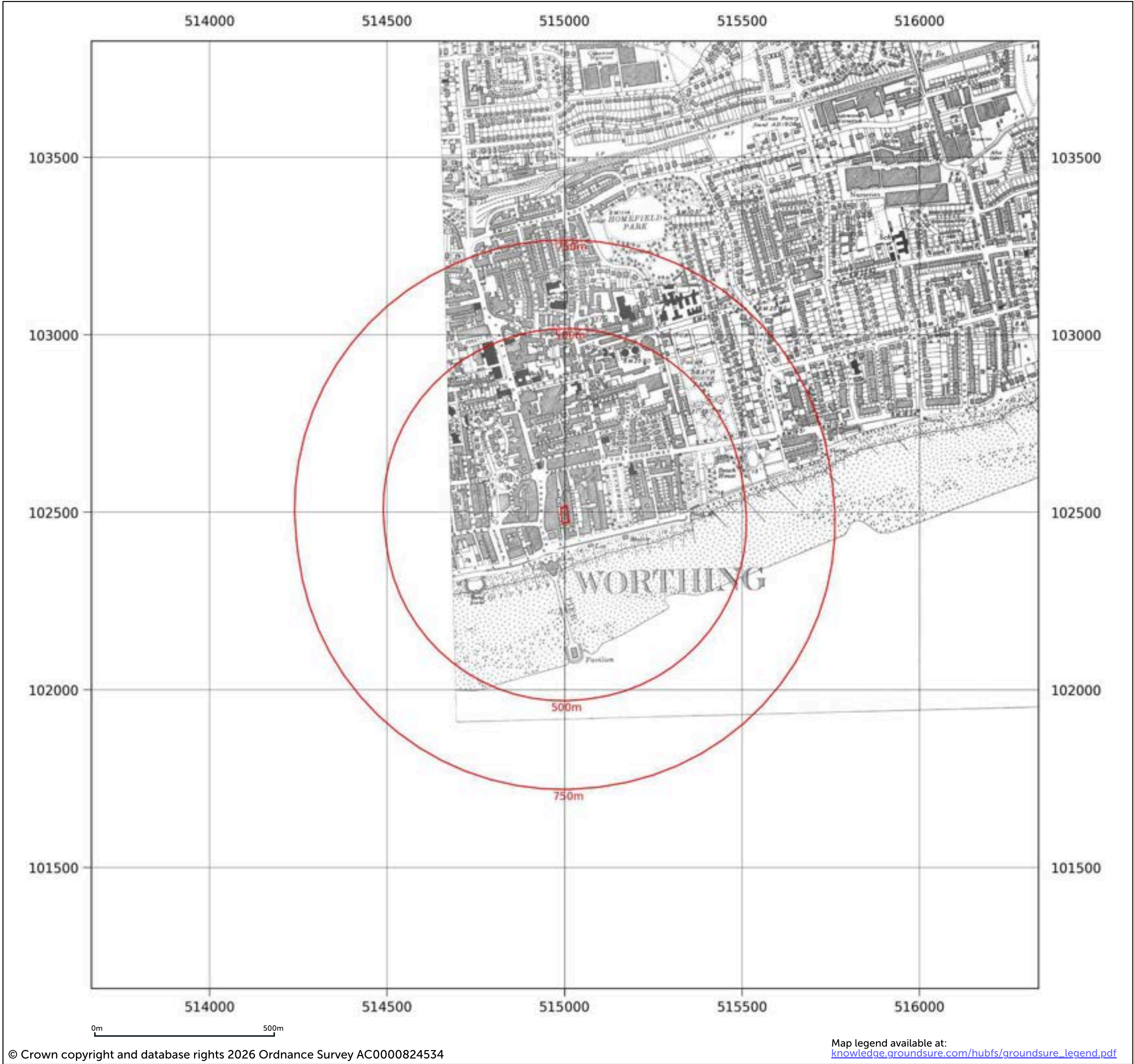
W

E

S

Date: 1950
Surveyed: 1875
Revised: 1950

Contact us with any questions at:
info@groundsure.com
01273 257 755



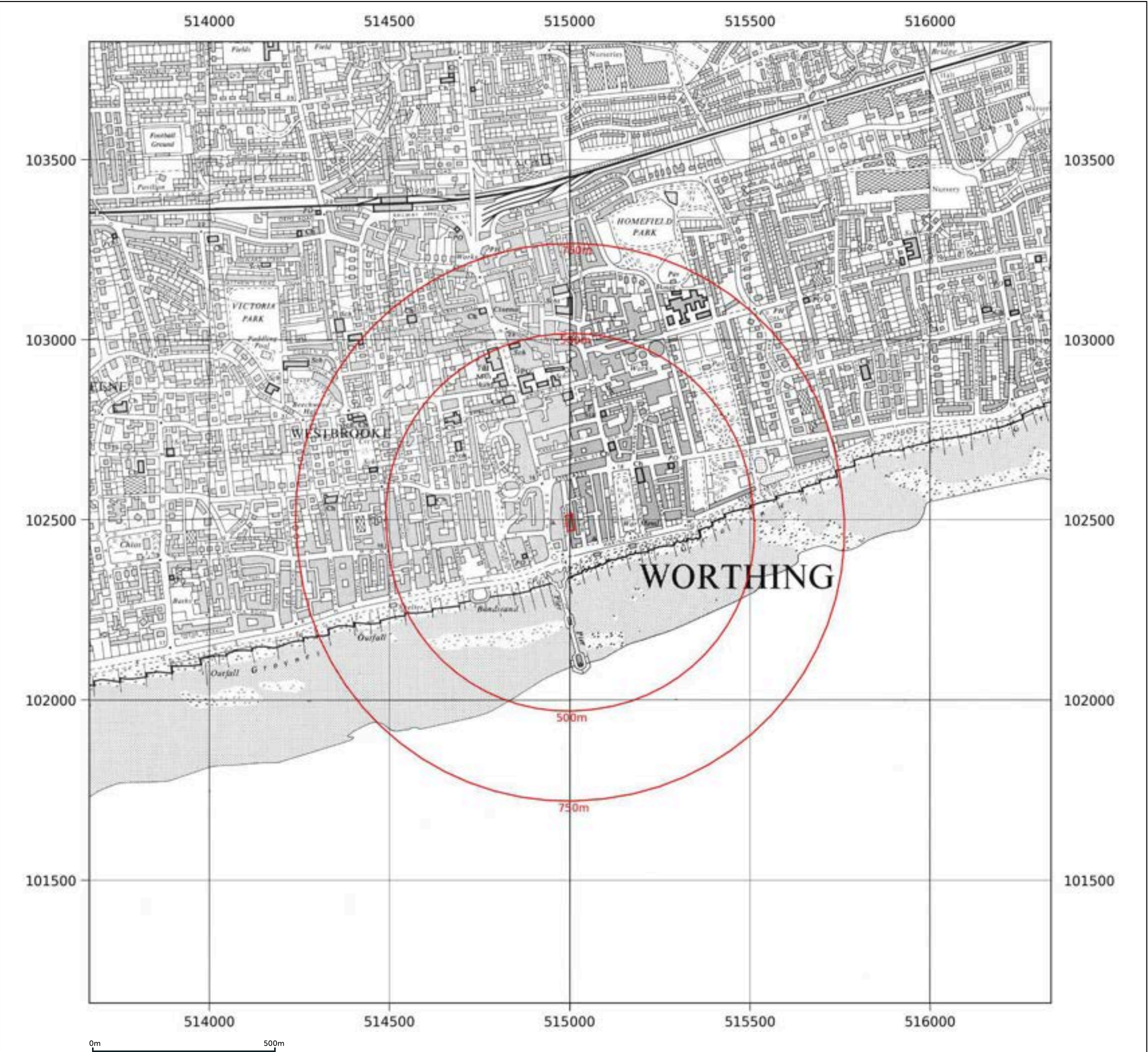
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	Provisional
Map date:	1962
Scale:	1:10,560
Printed at:	1:10,560



Date: 1962 Surveyed: 1962 Revised: 1962	Date: 1962 Surveyed: 1962 Revised: 1962
---	---

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:

10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref:

883

Report ref:

HMD-47-ISI-KQG-RKV-G8W

Grid ref:

515000.71, 102491.94

Production date:

6 March 2026

Map name:

Provisional

Map date:

1969

Scale:

1:10,560

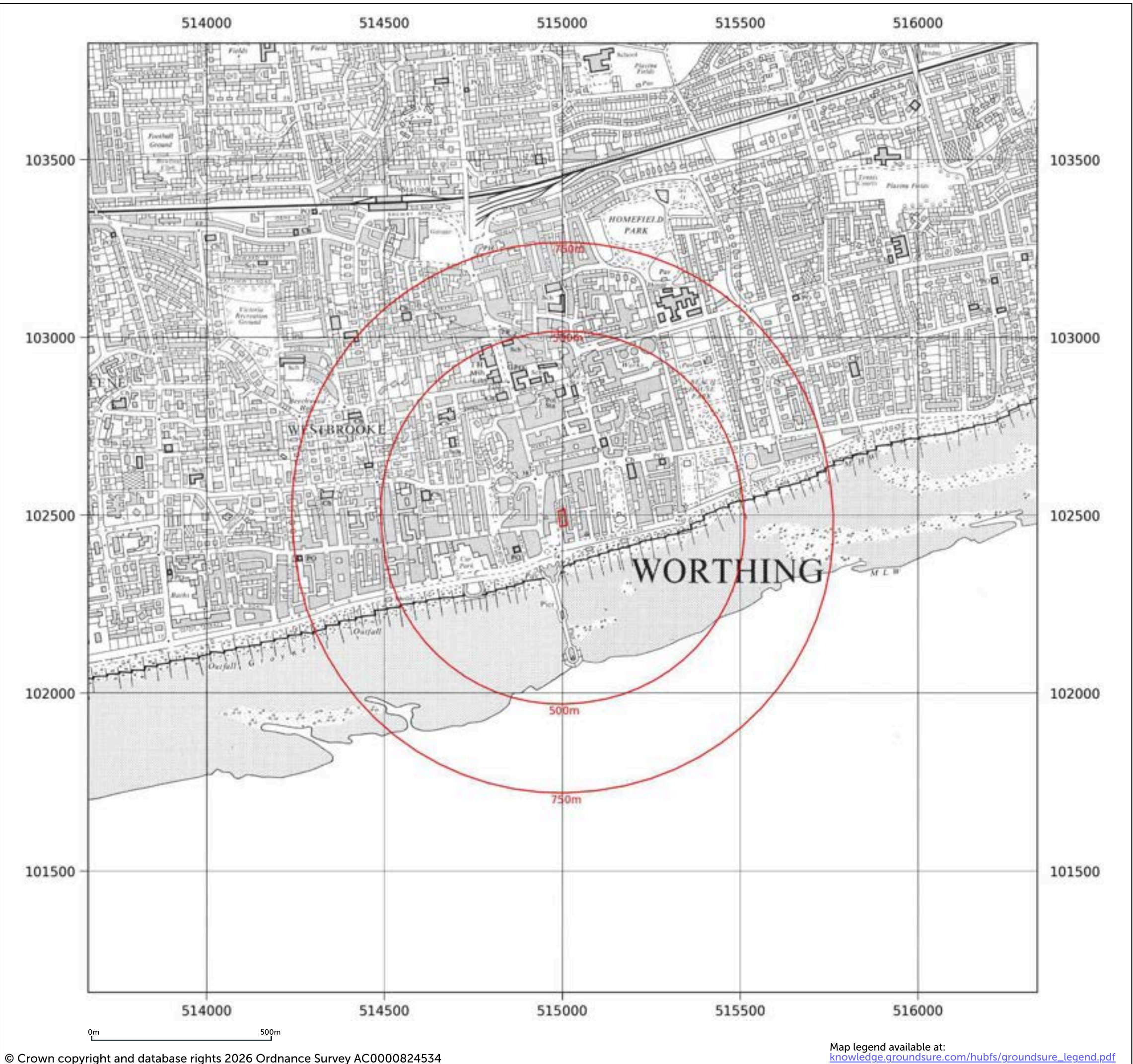
Printed at:

1:10,560



Date: 1969 Surveyed: 1967 Revised: 1969	Date: 1969 Surveyed: 1967 Revised: 1969
---	---

Contact us with any questions at:
info@groundsure.com
01273 257 755



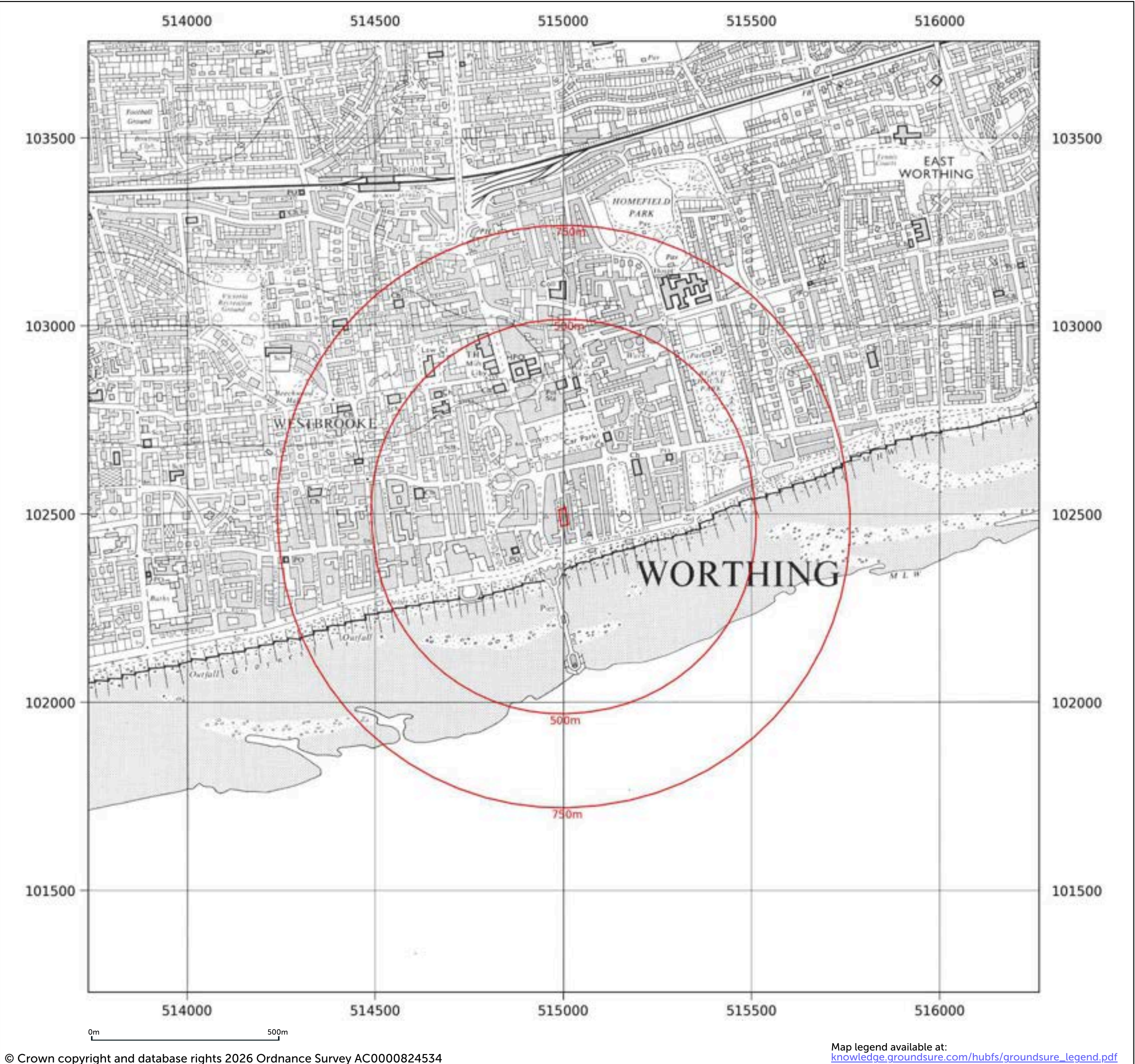
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	1971
Scale:	1:10,000
Printed at:	1:10,000



Date: 1971 Surveyed: 1971 Revised: 1971	Date: 1971 Surveyed: 1971 Revised: 1971
---	---

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:

Client ref:

Report ref:

Grid ref:

Production date:

10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

883

HMD-47-ISI-KQG-RKV-G8W

515000.71, 102491.94

6 March 2026

Map name:

Map date:

Scale:

Printed at:

National Grid

1978-1981

1:10,000

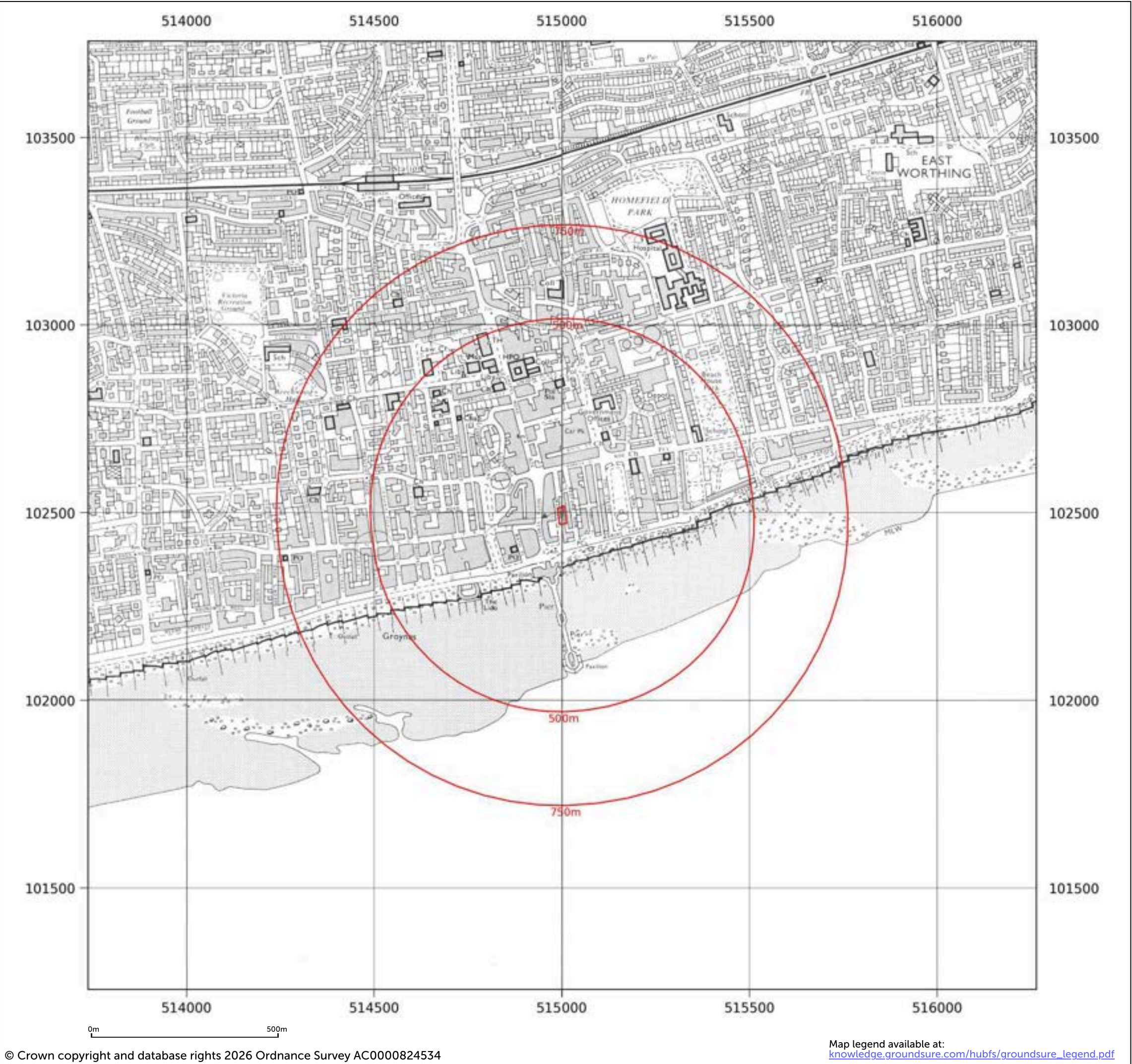
1:10,000

Date: 1978
Surveyed: 1977
Revised: 1978

Date: 1981
Surveyed: 1975
Revised: 1981



Contact us with any questions at:
info@groundsure.com
01273 257 755



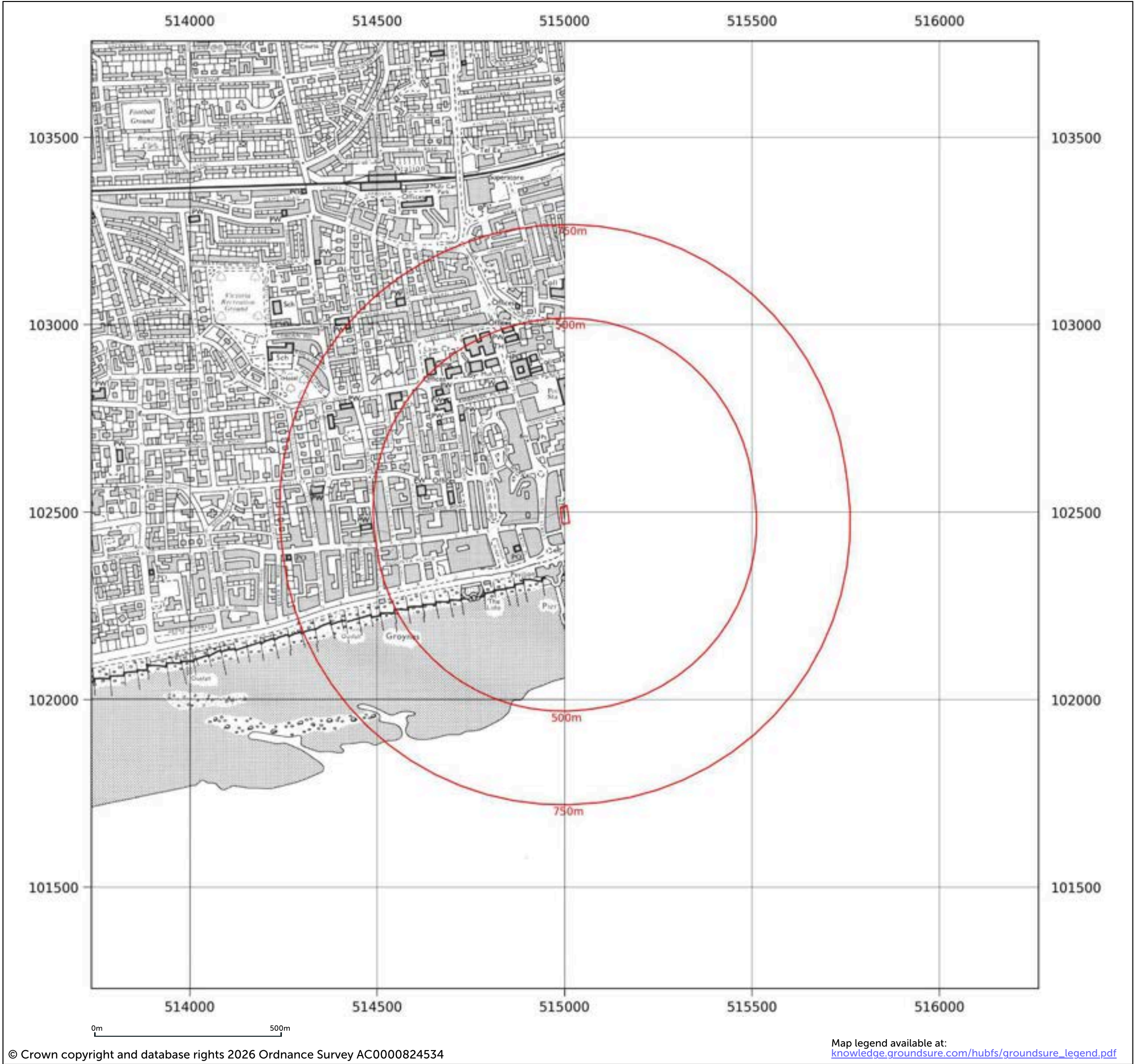
Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	1991
Scale:	1:10,000
Printed at:	1:10,000

N
W
E
S

Date: 1991 Surveyed: 1990 Revised: 1991

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



Date: 2001

Date: 2001

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



Date: 2010

Date: 2010

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details:	10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN
Client ref:	883
Report ref:	HMD-47-ISI-KQG-RKV-G8W
Grid ref:	515000.71, 102491.94
Production date:	6 March 2026

Map name:	National Grid
Map date:	2015
Scale:	1:10,000
Printed at:	1:10,000



Date: 2015	Date: 2015
------------	------------

Contact us with any questions at:
info@groundsure.com
01273 257 755



Site details: 10-20, MARINE PLACE,
WORTHING CENTRAL,
WORTHING, WEST SUSSEX,
BN11 3DN

Client ref: 883

Report ref: HMD-47-ISI-KQG-RKV-G8W

Grid ref: 515000.71, 102491.94

Production date: 6 March 2026

Map name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000



Date: 2025

Date: 2025

Contact us with any questions at:
info@groundsure.com
01273 257 755



APPENDIX C

Photographs

The warehouse building southern elevation



Eastern boundary wall facing the alleyway and Bedford Row



Alleyway to the rear/east of the site



Residential accommodation (under construction) to the west of the site on the far side of Marine Parade



Community centre building to the south of the site



Yoga studio to the north of the site



Yard area (previously used for car parking)



Storage of building supplies inside the warehouse



APPENDIX D

GroundSure EnviroInsight Report

10-20, MARINE PLACE, WORTHING CENTRAL, WORTHING, WEST SUSSEX, BN11 3DN

Order Details

Date: 06/03/2026
Your ref: 883
Our Ref: HMD-47-PQG-2MI-RSX-8TS

Site Details

Location: 515000 102491
Area: 0.08 ha
Authority: [Adur and Worthing Council](#) ↗

Site plan



Quick Links

Summary of findings [p. 2](#) >
OS MasterMap site plan [p.14](#) >
Aerial image [p. 9](#) >

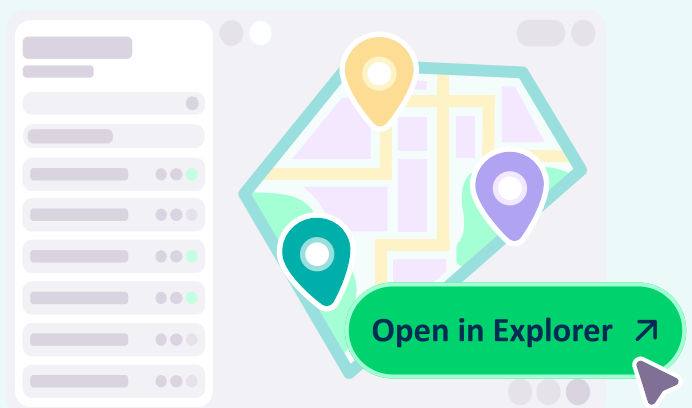
[Insight User Guide](#) ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	1	30	-
17 >	1.2 >	Historical tanks >	0	0	0	33	-
18 >	1.3 >	Historical energy features >	0	1	13	29	-
20	1.4	Historical petrol stations	0	0	0	0	-
20 >	1.5 >	Historical garages >	0	1	0	14	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
22 >	2.1 >	Historical industrial land uses >	0	0	1	46	-
24 >	2.2 >	Historical tanks >	0	0	0	47	-
26 >	2.3 >	Historical energy features >	0	2	23	46	-
29	2.4	Historical petrol stations	0	0	0	0	-
29 >	2.5 >	Historical garages >	0	2	0	21	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
31	3.1	Active or recent landfill	0	0	0	0	-
31	3.2	Historical landfill (BGS records)	0	0	0	0	-
32	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
32	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
32	3.5	Historical waste sites	0	0	0	0	-
32	3.6	Licensed waste sites	0	0	0	0	-
32 >	3.7 >	Waste exemptions >	0	0	6	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
34 >	4.1 >	Recent industrial land uses >	1	1	25	-	-
36	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
36	4.3	Current or recent petrol stations	0	0	0	0	-
37	4.4	Electricity cables	0	0	0	0	-
37	4.5	Gas pipelines	0	0	0	0	-



37	4.6	Sites determined as Contaminated Land	0	0	0	0	-
37 >	4.7 >	Control of Major Accident Hazards (COMAH) >	0	0	0	1	-
37	4.8	Regulated explosive sites	0	0	0	0	-
38	4.9	Hazardous substance storage/usage	0	0	0	0	-
38	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
38	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
38 >	4.12 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	2	-
39	4.13	Radioactive Substance Authorisations	0	0	0	0	-
39	4.14	Licensed Discharges to controlled waters	0	0	0	0	-
39	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
39	4.16	Pollutant release to public sewer	0	0	0	0	-
39	4.17	List 1 Dangerous Substances	0	0	0	0	-
40	4.18	List 2 Dangerous Substances	0	0	0	0	-
40 >	4.19 >	Pollution Incidents (EA/NRW) >	0	0	1	3	-
40	4.20	Pollution inventory substances	0	0	0	0	-
41	4.21	Pollution inventory waste transfers	0	0	0	0	-
41	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
42 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
44 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
46 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
47 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
47	5.5	Groundwater vulnerability- local information	None (within 0m)				
48 >	5.6 >	Groundwater abstractions >	0	0	0	0	2
49	5.7	Surface water abstractions	0	0	0	0	0
49	5.8	Potable abstractions	0	0	0	0	0
50	5.9	Source Protection Zones	0	0	0	0	-
50	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m



51	6.1	Water Network (OS MasterMap)	0	0	0	-	-
51	6.2	Surface water features	0	0	0	-	-
52 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
52 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
53 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
54 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
55	7.2	Historical Flood Events	0	0	0	-	-
55	7.3	Flood Defences	0	0	0	-	-
55	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
55	7.5	Flood Storage Areas	0	0	0	-	-
56 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
57 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
58 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
60 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
61	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
61	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
61	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
61	10.4	Special Protection Areas (SPA)	0	0	0	0	0
62	10.5	National Nature Reserves (NNR)	0	0	0	0	0
62	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
62	10.7	Designated Ancient Woodland	0	0	0	0	0
62	10.8	Biosphere Reserves	0	0	0	0	0
63	10.9	Forest Parks	0	0	0	0	0
63	10.10	Marine Conservation Zones	0	0	0	0	0
63	10.11	Green Belt	0	0	0	0	0



63	10.12	Proposed Ramsar sites	0	0	0	0	0
63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
64	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	10.15	Nitrate Sensitive Areas	0	0	0	0	0
64 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	1
65 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
66	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
67	11.1	World Heritage Sites	0	0	0	-	-
68	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
68	11.3	National Parks	0	0	0	-	-
68 >	11.4 >	Listed Buildings >	0	4	24	-	-
70 >	11.5 >	Conservation Areas >	1	0	3	-	-
70	11.6	Scheduled Ancient Monuments	0	0	0	-	-
70	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
71 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
72	12.2	Open Access Land	0	0	0	-	-
72	12.3	Tree Felling Licences	0	0	0	-	-
72	12.4	Environmental Stewardship Schemes	0	0	0	-	-
72	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
73	13.1	Priority Habitat Inventory	0	0	0	-	-
73	13.2	Habitat Networks	0	0	0	-	-
73	13.3	Open Mosaic Habitat	0	0	0	-	-
73	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	14.1 >	10k Availability >	Identified (within 500m)				
75	14.2	Artificial and made ground (10k)	0	0	0	0	-

76 >	14.3 >	Superficial geology (10k) >	2	0	4	0	-
77	14.4	Landslip (10k)	0	0	0	0	-
78 >	14.5 >	Bedrock geology (10k) >	2	0	0	2	-
79	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
80 >	15.1 >	50k Availability >	Identified (within 500m)				
81	15.2	Artificial and made ground (50k)	0	0	0	0	-
81	15.3	Artificial ground permeability (50k)	0	0	-	-	-
82 >	15.4 >	Superficial geology (50k) >	1	0	2	0	-
83 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
83	15.6	Landslip (50k)	0	0	0	0	-
83	15.7	Landslip permeability (50k)	None (within 50m)				
84 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
85 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
85	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
86 >	16.1 >	BGS Boreholes >	0	0	14	-	-
Page	Section	Natural ground subsidence >					
88 >	17.1 >	Shrink swell clays >	Low (within 50m)				
89 >	17.2 >	Running sands >	Low (within 50m)				
90 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
91 >	17.4 >	Collapsible deposits >	Low (within 50m)				
92 >	17.5 >	Landslides >	Very low (within 50m)				
93 >	17.6 >	Ground dissolution of soluble rocks >	Very low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
95	18.1	BritPits	0	0	0	0	-
96	18.2	Surface ground workings	0	0	0	-	-
96	18.3	Underground workings	0	0	0	0	0
96	18.4	Underground mining extents	0	0	0	0	-



96	18.5	Historical Mineral Planning Areas	0	0	0	0	-
96 >	18.6 >	Non-coal mining >	2	0	1	0	0
97	18.7	JPB mining areas	None (within 0m)				
97	18.8	The Coal Authority non-coal mining	0	0	0	0	-
97 >	18.9 >	Researched mining >	0	0	1	0	-
98	18.10	Mining record office plans	0	0	0	0	-
98	18.11	BGS mine plans	0	0	0	0	-
98	18.12	Coal mining	None (within 0m)				
98	18.13	Brine areas	None (within 0m)				
99	18.14	Gypsum areas	None (within 0m)				
99	18.15	Tin mining	None (within 0m)				
99	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
100	19.1	Natural cavities	0	0	0	0	-
100	19.2	Mining cavities	0	0	0	0	0
100	19.3	Reported recent incidents	0	0	0	0	-
100	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
102 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	21.1 >	BGS Estimated Background Soil Chemistry >	4	0	-	-	-
104	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
105	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
106	22.1	Underground railways (London)	0	0	0	-	-
106	22.2	Underground railways (Non-London)	0	0	0	-	-
106	22.3	Railway tunnels	0	0	0	-	-
106	22.4	Historical railway and tunnel features	0	0	0	-	-
106	22.5	Royal Mail tunnels	0	0	0	-	-



107	22.6	Historical railways	0	0	0	-	-
107	22.7	Railways	0	0	0	-	-
107	22.8	Crossrail 2	0	0	0	0	-
107	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2026. All Rights Reserved.

Capture Date: 20/04/2021

Site Area: 0.08ha



Recent site history - 2018 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2026. All Rights Reserved.

Capture Date: 28/06/2018

Site Area: 0.08ha



Recent site history - 2012 aerial photograph



Capture Date: 13/09/2012

Site Area: 0.08ha



Recent site history - 2010 aerial photograph



Capture Date: 24/04/2010

Site Area: 0.08ha



Recent site history - 1999 aerial photograph

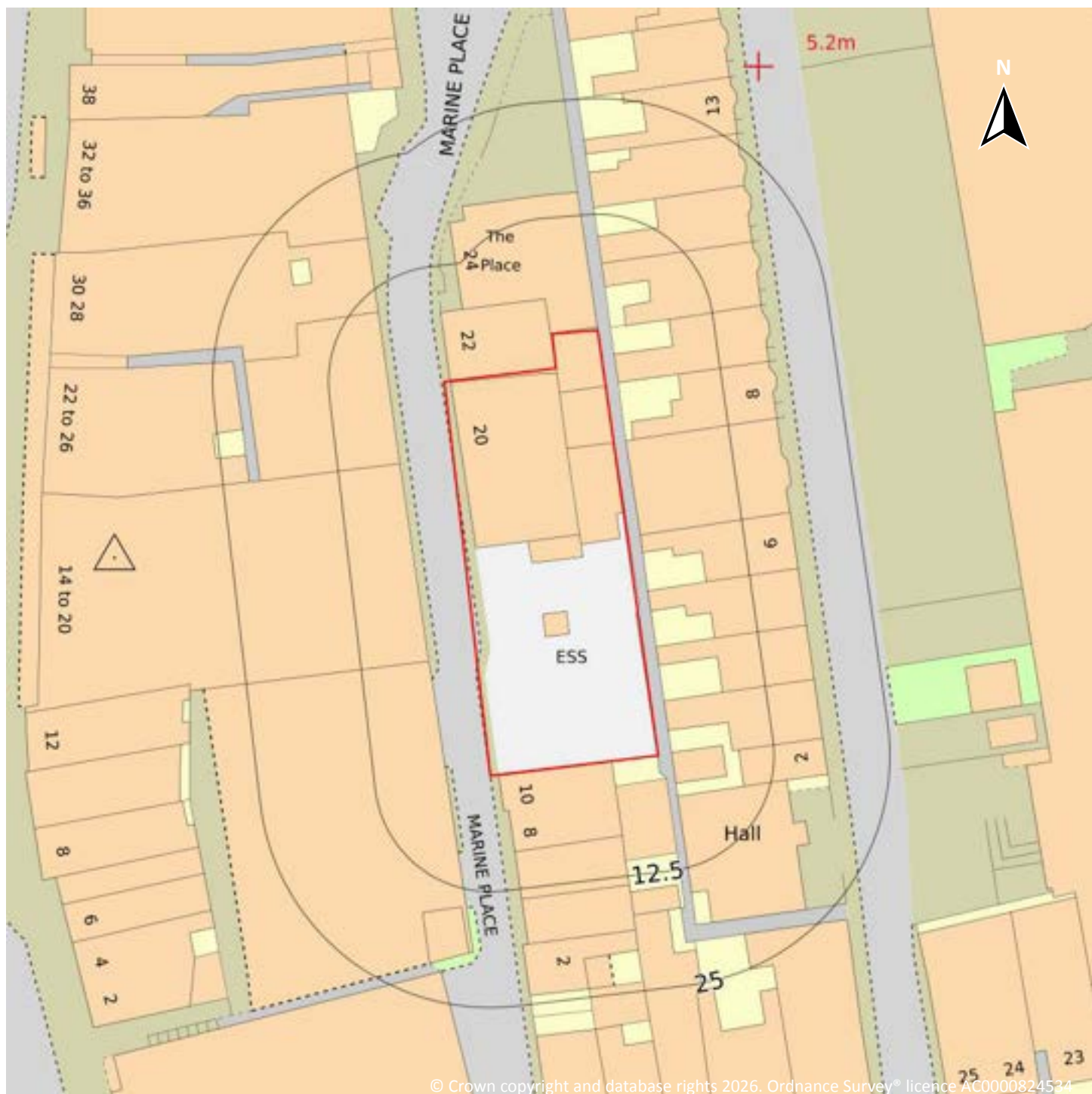


Capture Date: 29/08/1999

Site Area: 0.08ha



OS MasterMap site plan



Site Area: 0.08ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m

31

Potentially contaminative land use features digitised from historical Ordnance Survey® mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
E	239m N	Brewery	1875	2159131



ID	Location	Land use	Dates present	Group ID
F	269m N	Fire Station	1932	2271765
F	279m N	Fire Station	1962	2276497
I	286m W	Unspecified Tank	1950	2191197
J	294m N	Police Station	1981	2261239
J	314m N	Police Station	1969 - 1978	2205621
J	314m N	Police Station	1991	2298031
J	315m N	Police Station	1969 - 1971	2246731
J	316m N	Police Station	1932	2304511
L	328m N	Unspecified Works	1962 - 1971	2245944
L	341m N	Unspecified Commercial/Industrial	1950	2221940
L	341m N	Unspecified Commercial/Industrial	1981	2330290
M	342m E	Boat House	1950	2276753
M	344m E	Boat House	1932	2279641
6	351m NE	Unspecified Depot	1981	2170086
7	380m NW	Grave Yard	1875	2165910
L	394m NE	Gas Works	1896 - 1909	2313634
L	398m NE	Unspecified Commercial/Industrial	1932	2215762
11	434m NE	Malthouse	1875	2184406
L	442m N	Gas Works	1875	2235187
L	449m N	Gasometers	1896	2170779
L	450m N	Unspecified Tanks	1950	2298084
L	453m N	Unspecified Tank	1962 - 1981	2300410
L	455m N	Gasometer	1909	2269739
L	455m N	Unspecified Tanks	1932	2313741
L	466m N	Steam Saw Mill	1875	2194916
12	468m N	Unspecified Commercial/Industrial	1962 - 1969	2282723
L	471m NE	Gasometer	1875	2271775
L	472m NE	Unspecified Tank	1962 - 1981	2219848



ID	Location	Land use	Dates present	Group ID
13	484m E	Unspecified Heap	1909	2187049
L	493m NE	Unspecified Tank	1962 - 1981	2203264

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m

33

Tank features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
I	299m W	Unspecified Tank	1943	392935
P	375m NW	Unspecified Tank	1970 - 1976	431339
P	377m NW	Unspecified Tank	1990	426175
L	381m NE	Gasholder Station	1987	416266
L	381m NE	Gasholder Station	1952	418820
L	382m NE	Gasholder Station	1952 - 1967	404663
L	382m NE	Gasholder Station	1976	418316
Q	387m E	Unspecified Tank	1943	387053
Q	387m E	Unspecified Tank	1987	387051
L	392m NE	Gasometer	1898	382728
L	393m NE	Gas Works	1912	430064
9	400m NE	Unspecified Tank	1875	387061
10	408m N	Unspecified Tank	1875	387064
L	436m N	Gas Works	1875	431691
L	449m N	Gasometers	1898 - 1912	399836
L	449m N	Tanks	1932 - 1943	426720



ID	Location	Land use	Dates present	Group ID
L	451m N	Gas Holders	1987	380954
L	452m N	Gasholders	1952	411811
L	452m N	Gasholders	1952 - 1976	423277
L	453m NE	Unspecified Tank	1952 - 1967	417162
L	456m NE	Unspecified Tank	1943	387068
L	461m N	Unspecified Tank	1967 - 1987	402010
L	463m NE	Gasometers	1875	422774
L	467m NE	Unspecified Tank	1932	401404
L	467m NE	Unspecified Tank	1912	403252
L	480m NE	Unspecified Tank	1875	387056
L	492m NE	Gas Holder	1987	381545
L	493m NE	Gasholder	1952	424802
L	493m N	Unspecified Tank	1875	387057
L	493m NE	Unspecified Tank	1943	399856
L	494m NE	Gasholder	1952 - 1976	412633
T	494m N	Tank or Trough	1875	382174
L	498m N	Tanks	1898 - 1932	430099

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m

43

Energy features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	14m S	Electricity Substation	1973 - 1987	301566



ID	Location	Land use	Dates present	Group ID
1	104m W	Electricity Substation	1970 - 1999	293767
B	122m SW	Electricity Substation	1987	271970
B	135m SW	Electricity Substation	1973	270441
C	159m NW	Electricity Substation	1990	288380
C	162m NW	Electricity Substation	1976	296467
C	163m NW	Electricity Substation	1999	278070
C	187m NW	Electricity Substation	1999	277498
2	187m NE	Electricity Substation	1976 - 1987	310150
C	192m NW	Electricity Substation	1990	279879
3	211m N	Electricity Substation	1976 - 1999	285534
D	221m W	Electricity Substation	1973	270439
E	227m N	Electricity Substation	1976 - 1987	304334
D	236m W	Electricity Substation	1987	271967
F	260m N	Electricity Substation	1976 - 1987	297762
4	303m W	Electricity Substation	1970 - 1999	322118
K	318m W	Electricity Substation	1987	271969
5	329m W	Electricity Substation	1973 - 1987	278753
K	344m W	Electricity Substation	1973 - 1987	300443
N	355m NW	Electricity Substation	1970 - 1976	294621
N	356m NW	Electricity Substation	1999	292628
N	358m NW	Electricity Substation	1990	319462
L	381m NE	Gasholder Station	1987	308017
L	381m NE	Gasholder Station	1952	317759
L	382m NE	Gasholder Station	1952 - 1967	283360
L	382m NE	Gasholder Station	1976	291901
L	392m NE	Gasometer	1898	275891
L	393m NE	Gas Works	1912	277211
8	396m W	Electricity Substation	1973 - 1987	293190



ID	Location	Land use	Dates present	Group ID
S	427m W	Electricity Substation	1987	271968
L	436m N	Gas Works	1875	280402
L	449m N	Gasometers	1898 - 1912	294282
S	450m W	Electricity Substation	1973	270440
L	451m N	Gas Holders	1987	266311
L	452m N	Gasholders	1952	281064
L	452m N	Gasholders	1952 - 1976	302737
L	463m NE	Gasometers	1875	320263
T	486m N	Electricity Substation	1999	316278
T	486m N	Electricity Substation	1990	285786
T	486m N	Electricity Substation	1970 - 1976	321361
L	492m NE	Gas Holder	1987	275635
L	493m NE	Gasholder	1952	307933
L	494m NE	Gasholder	1952 - 1976	286739

This data is sourced from Ordnance Survey® / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey® / Groundsure.

1.5 Historical garages

Records within 500m

15

Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-



grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	4m W	Garage	1952 - 1954	86437
G	260m N	Garage	1962	89449
G	260m N	Garage	1970 - 1976	90230
G	261m N	Garage	1954	91320
H	272m E	Garage	1987	93050
H	273m E	Garage	1967 - 1976	89679
O	360m NE	Garage	1987	88704
O	360m NE	Garage	1967 - 1976	90770
L	371m N	Garage	1967 - 1976	93301
L	392m N	Garage	1967 - 1976	87326
R	416m N	Garage	1999	88986
R	417m N	Garage	1954 - 1962	90984
R	417m N	Garage	1970	91976
R	417m N	Garage	1976	86871
L	423m N	Garage	1952 - 1967	92761

This data is sourced from Ordnance Survey® / Groundsure.

1.6 Historical military land

Records within 500m	0
----------------------------	----------

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey® / Groundsure / other sources.

2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

47

Potentially contaminative land use features digitised from historical Ordnance Survey® mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
H	239m N	Brewery	1875	2159131
I	269m N	Fire Station	1932	2271765
I	279m N	Fire Station	1962	2276497

ID	Location	Land Use	Date	Group ID
L	286m W	Unspecified Tank	1950	2191197
M	294m N	Police Station	1981	2261239
M	314m N	Police Station	1991	2298031
M	314m N	Police Station	1971	2205621
M	314m N	Police Station	1969	2205621
M	314m N	Police Station	1978	2205621
M	315m N	Police Station	1969	2246731
M	315m N	Police Station	1971	2246731
M	316m N	Police Station	1932	2304511
P	328m N	Unspecified Works	1962	2245944
P	328m N	Unspecified Works	1969	2245944
P	328m N	Unspecified Works	1971	2245944
P	341m N	Unspecified Commercial/Industrial	1950	2221940
P	341m N	Unspecified Commercial/Industrial	1981	2330290
R	342m E	Boat House	1950	2276753
R	344m E	Boat House	1932	2279641
1	351m NE	Unspecified Depot	1981	2170086
2	380m NW	Grave Yard	1875	2165910
P	394m NE	Gas Works	1896	2313634
P	398m NE	Unspecified Commercial/Industrial	1932	2215762
P	398m NE	Gas Works	1909	2313634
5	434m NE	Malthouse	1875	2184406
P	442m N	Gas Works	1875	2235187
P	449m N	Gasometers	1896	2170779
P	450m N	Unspecified Tanks	1950	2298084
P	453m N	Unspecified Tank	1981	2300410
P	453m N	Unspecified Tank	1962	2300410
P	453m N	Unspecified Tank	1969	2300410



ID	Location	Land Use	Date	Group ID
P	453m N	Unspecified Tank	1971	2300410
P	455m N	Unspecified Tanks	1932	2313741
P	455m N	Gasometer	1909	2269739
P	466m N	Steam Saw Mill	1875	2194916
Z	468m N	Unspecified Commercial/Industrial	1962	2282723
Z	468m N	Unspecified Commercial/Industrial	1969	2282723
P	471m NE	Gasometer	1875	2271775
P	472m NE	Unspecified Tank	1981	2219848
P	472m NE	Unspecified Tank	1962	2219848
P	472m NE	Unspecified Tank	1969	2219848
P	472m NE	Unspecified Tank	1971	2219848
6	484m E	Unspecified Heap	1909	2187049
P	493m NE	Unspecified Tank	1981	2203264
P	493m NE	Unspecified Tank	1962	2203264
P	493m NE	Unspecified Tank	1969	2203264
P	493m NE	Unspecified Tank	1971	2203264

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m

47

Tank features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
L	299m W	Unspecified Tank	1943	392935
U	375m NW	Unspecified Tank	1970	431339
U	375m NW	Unspecified Tank	1976	431339
U	377m NW	Unspecified Tank	1990	426175



ID	Location	Land Use	Date	Group ID
P	381m NE	Gasholder Station	1987	416266
P	381m NE	Gasholder Station	1952	418820
P	382m NE	Gasholder Station	1967	404663
P	382m NE	Gasholder Station	1976	418316
P	382m NE	Gasholder Station	1952	404663
V	387m E	Unspecified Tank	1943	387053
V	387m E	Unspecified Tank	1987	387051
P	392m NE	Gasometer	1898	382728
P	393m NE	Gas Works	1912	430064
3	400m NE	Unspecified Tank	1875	387061
4	408m N	Unspecified Tank	1875	387064
P	436m N	Gas Works	1875	431691
P	449m N	Gasometers	1898	399836
P	449m N	Gasometers	1912	399836
P	449m N	Tanks	1932	426720
P	451m N	Gas Holders	1987	380954
P	452m N	Gasholders	1952	411811
P	452m N	Gasholders	1967	423277
P	452m N	Gasholders	1976	423277
P	452m N	Gasholders	1952	423277
P	453m NE	Unspecified Tank	1952	417162
P	454m NE	Unspecified Tank	1967	417162
P	454m NE	Unspecified Tank	1952	417162
P	454m N	Tanks	1943	426720
P	456m NE	Unspecified Tank	1943	387068
P	461m N	Unspecified Tank	1987	402010
P	462m N	Unspecified Tank	1967	402010
P	462m N	Unspecified Tank	1976	402010



ID	Location	Land Use	Date	Group ID
P	463m NE	Gasometers	1875	422774
P	467m NE	Unspecified Tank	1932	401404
P	467m NE	Unspecified Tank	1912	403252
P	480m NE	Unspecified Tank	1875	387056
P	492m NE	Gas Holder	1987	381545
P	493m NE	Gasholder	1952	424802
P	493m N	Unspecified Tank	1875	387057
P	493m NE	Unspecified Tank	1943	399856
P	494m NE	Gasholder	1967	412633
P	494m NE	Gasholder	1976	412633
P	494m NE	Gasholder	1952	412633
AA	494m N	Tank or Trough	1875	382174
P	498m N	Tanks	1898	430099
P	498m N	Tanks	1912	430099
P	498m N	Tanks	1932	430099

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m

71

Energy features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
A	14m S	Electricity Substation	1973	301566
A	14m S	Electricity Substation	1987	301566
B	104m W	Electricity Substation	1970	293767
B	104m W	Electricity Substation	1976	293767
B	105m W	Electricity Substation	1999	293767



ID	Location	Land Use	Date	Group ID
B	106m W	Electricity Substation	1990	293767
B	106m W	Electricity Substation	1990	293767
C	122m SW	Electricity Substation	1987	271970
C	135m SW	Electricity Substation	1973	270441
D	159m NW	Electricity Substation	1990	288380
D	162m NW	Electricity Substation	1976	296467
D	163m NW	Electricity Substation	1999	278070
D	187m NW	Electricity Substation	1999	277498
E	187m NE	Electricity Substation	1987	310150
E	187m NE	Electricity Substation	1976	310150
D	192m NW	Electricity Substation	1990	279879
D	192m NW	Electricity Substation	1990	279879
F	211m N	Electricity Substation	1976	285534
F	212m N	Electricity Substation	1999	285534
F	212m N	Electricity Substation	1990	285534
F	212m N	Electricity Substation	1990	285534
G	221m W	Electricity Substation	1973	270439
H	227m N	Electricity Substation	1976	304334
H	227m N	Electricity Substation	1987	304334
G	236m W	Electricity Substation	1987	271967
I	260m N	Electricity Substation	1976	297762
I	260m N	Electricity Substation	1987	297762
N	303m W	Electricity Substation	1970	322118
N	303m W	Electricity Substation	1976	322118
N	303m W	Electricity Substation	1999	322118
N	304m W	Electricity Substation	1990	322118
N	304m W	Electricity Substation	1990	322118
O	318m W	Electricity Substation	1987	271969



ID	Location	Land Use	Date	Group ID
Q	329m W	Electricity Substation	1973	278753
Q	330m W	Electricity Substation	1987	278753
O	344m W	Electricity Substation	1973	300443
O	345m W	Electricity Substation	1987	300443
S	355m NW	Electricity Substation	1970	294621
S	355m NW	Electricity Substation	1976	294621
S	356m NW	Electricity Substation	1999	292628
S	358m NW	Electricity Substation	1990	319462
P	381m NE	Gasholder Station	1987	308017
P	381m NE	Gasholder Station	1952	317759
P	382m NE	Gasholder Station	1967	283360
P	382m NE	Gasholder Station	1976	291901
P	382m NE	Gasholder Station	1952	283360
P	392m NE	Gasometer	1898	275891
P	393m NE	Gas Works	1912	277211
W	396m W	Electricity Substation	1973	293190
W	404m W	Electricity Substation	1987	293190
Y	427m W	Electricity Substation	1987	271968
P	436m N	Gas Works	1875	280402
P	449m N	Gasometers	1898	294282
P	449m N	Gasometers	1912	294282
Y	450m W	Electricity Substation	1973	270440
P	451m N	Gas Holders	1987	266311
P	452m N	Gasholders	1952	281064
P	452m N	Gasholders	1967	302737
P	452m N	Gasholders	1976	302737
P	452m N	Gasholders	1952	302737
P	463m NE	Gasometers	1875	320263



ID	Location	Land Use	Date	Group ID
AA	486m N	Electricity Substation	1999	316278
AA	486m N	Electricity Substation	1990	285786
AA	486m N	Electricity Substation	1990	285786
AA	486m N	Electricity Substation	1970	321361
AA	486m N	Electricity Substation	1976	321361
P	492m NE	Gas Holder	1987	275635
P	493m NE	Gasholder	1952	307933
P	494m NE	Gasholder	1967	286739
P	494m NE	Gasholder	1976	286739
P	494m NE	Gasholder	1952	286739

This data is sourced from Ordnance Survey® / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
----------------------------	----------

Petrol stations digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey® / Groundsure.

2.5 Historical garages

Records within 500m	23
----------------------------	-----------

Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
A	4m W	Garage	1954	86437
A	5m W	Garage	1952	86437
J	260m N	Garage	1962	89449



ID	Location	Land Use	Date	Group ID
J	260m N	Garage	1970	90230
J	260m N	Garage	1976	90230
J	261m N	Garage	1954	91320
K	272m E	Garage	1987	93050
K	273m E	Garage	1967	89679
K	273m E	Garage	1976	89679
T	360m NE	Garage	1987	88704
T	360m NE	Garage	1967	90770
T	360m NE	Garage	1976	90770
P	371m N	Garage	1967	93301
P	371m N	Garage	1976	93301
P	392m N	Garage	1967	87326
P	392m N	Garage	1976	87326
X	416m N	Garage	1999	88986
X	417m N	Garage	1962	90984
X	417m N	Garage	1970	91976
X	417m N	Garage	1976	86871
X	418m N	Garage	1954	90984
P	423m N	Garage	1952	92761
P	423m N	Garage	1967	92761

This data is sourced from Ordnance Survey® / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey®/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m**0**

Waste site records derived from Local Authority planning records and high detail historical mapping.

This data is sourced from Ordnance Survey®/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m**0**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m**6**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 31](#) >

ID	Location	Site	Reference	Category	Sub-Category	Description
A	186m W	Jackson Frameworks Liverpool/alexandra Terrace Worthing Bn11 1ta	EPR/YF0802EX /A001	Treating waste exemption	Non- agricultura l waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	186m W	Jackson Frameworks Liverpool/alexandra Terrace Worthing Bn11 1ta	EPR/YF0802EX /A001	Using waste exemption	Non- agricultura l waste only	Use of waste in construction
A	186m W	Jackson Frameworks Liverpool/alexandra Terrace Worthing Bn11 1ta	EPR/YF0802EX /A001	Using waste exemption	Non- agricultura l waste only	Spreading of plant matter to confer benefit
A	186m W	Jackson Frameworks Liverpool/alexandra Terrace Worthing Bn11 1ta	EPR/YF0802EX /A001	Using waste exemption	Non- agricultura l waste only	Use of waste for a specified purpose
A	186m W	Jackson Frameworks Liverpool/alexandra Terrace Worthing Bn11 1ta	EPR/YF0802EX /A001	Treating waste exemption	Non- agricultura l waste only	Treatment of waste aerosol cans
A	186m W	Jackson Frameworks Liverpool/alexandra Terrace Worthing Bn11 1ta	EPR/YF0802EX /A001	Using waste exemption	Non- agricultura l waste only	Use of mulch

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- Licensed pollutant release (Part A(2)/B)
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

27

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 34](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
2	35m S	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
A	64m NE	Omnibus Depot	West Sussex, BN11	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
3	83m E	Stagecoach	Stagecoach 19-20, Marine Parade, Worthing Central, Worthing, West Sussex, BN11 3PT	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
A	88m NE	Omnibus Depot	West Sussex, BN11	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
B	91m NW	Amplifon	33, South Street, Worthing Central, Worthing, West Sussex, BN11 3AW	Disability and Mobility Equipment	Consumer Products
4	107m W	Fone World	15, Montague Street, Worthing Central, Worthing, West Sussex, BN11 3AX	Radar and Telecommunications Equipment	Industrial Products
B	110m W	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
5	112m N	I Tec	5, Warwick Street, Worthing Central, Worthing, West Sussex, BN11 3DF	Electrical Equipment Repair and Servicing	Repair and Servicing
6	112m NE	Bloom Hearing Specialists	1, Stanford Square, Worthing Central, Worthing, West Sussex, BN11 3EZ	Disability and Mobility Equipment	Consumer Products
7	130m SW	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
C	140m NW	Chapel House Business Centre	West Sussex, BN11	Business Parks and Industrial Estates	Industrial Features
C	168m NW	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
8	171m NE	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
D	171m SW	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
9	192m SE	Outfall	West Sussex, BN11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
C	194m NW	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
10	195m NW	Clearwell Mobility	19-21, Chapel Road, Worthing Central, Worthing, West Sussex, BN11 1EG	Disability and Mobility Equipment	Consumer Products



ID	Location	Company	Address	Activity	Category
E	208m W	Local Toilet Hire Ltd	5, Liverpool Terrace, Worthing Central, Worthing, West Sussex, BN11 1TA	Waste Collection, Processing and Disposal Equipment	Industrial Products
D	209m W	Eggfree Cake Box	7, Montague Place, Worthing Central, Worthing, West Sussex, BN11 3BG	Baking and Confectionery	Foodstuffs
11	216m E	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
F	221m N	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
E	239m W	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
12	240m N	Electricity Sub Station	West Sussex, BN11	Electrical Features	Infrastructure and Facilities
13	246m W	Gosh Patisserie	1, Shelley Road, Worthing Central, Worthing, West Sussex, BN11 1TP	Baking and Confectionery	Foodstuffs
F	247m N	Emma Guard Design	7-9, Chatsworth Road, Worthing Central, Worthing, West Sussex, BN11 1LY	Clothing, Components and Accessories	Consumer Products
14	247m NE	Curtain Corner	8, Brighton Road, Selden, Worthing, West Sussex, BN11 3EB	Curtains and Blinds	Consumer Products

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m

0

Current or recent tanks identified from the Ordnance Survey® NGD.

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.



4.4 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m**0**

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m**1**

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on [page 34 >](#)

ID	Location	Company	Address	Operational status	Tier
19	477m NE	British Gas	British Gas, Park Road, Worthing, BN11 2AN	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m**0**

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.



4.9 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.12 Licensed pollutant release (Part A(2)/B)

Records within 500m

2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 34](#) >

ID	Location	Address	Details	
17	425m N	Caffyns Plc, 16 - 20 North St, Worthing, BN11 1DU	Process: Respraying of Road Vehicles Status: Surrendered Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
18	426m NE	Js Arnold Ltd, 41 Park Rd, Worthing, BN11 2AS	Process: Respraying of Road Vehicles Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.



4.13 Radioactive Substance Authorisations

Records within 500m**0**

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Licensed Discharges to controlled waters

Records within 500m**0**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to surface waters (Red List)

Records within 500m**0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 1 Dangerous Substances

Records within 500m**0**

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution Incidents (EA/NRW)

Records within 500m

4

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 34 >](#)

ID	Location	Details	
D	215m W	Incident Date: 02/10/2001 Incident Identification: 34155 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	250m W	Incident Date: 26/07/2001 Incident Identification: 19371 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
15	278m E	Incident Date: 04/09/2002 Incident Identification: 105174 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
16	361m NW	Incident Date: 18/06/2001 Incident Identification: 9973 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.20 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.



This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.22 Pollution inventory radioactive waste

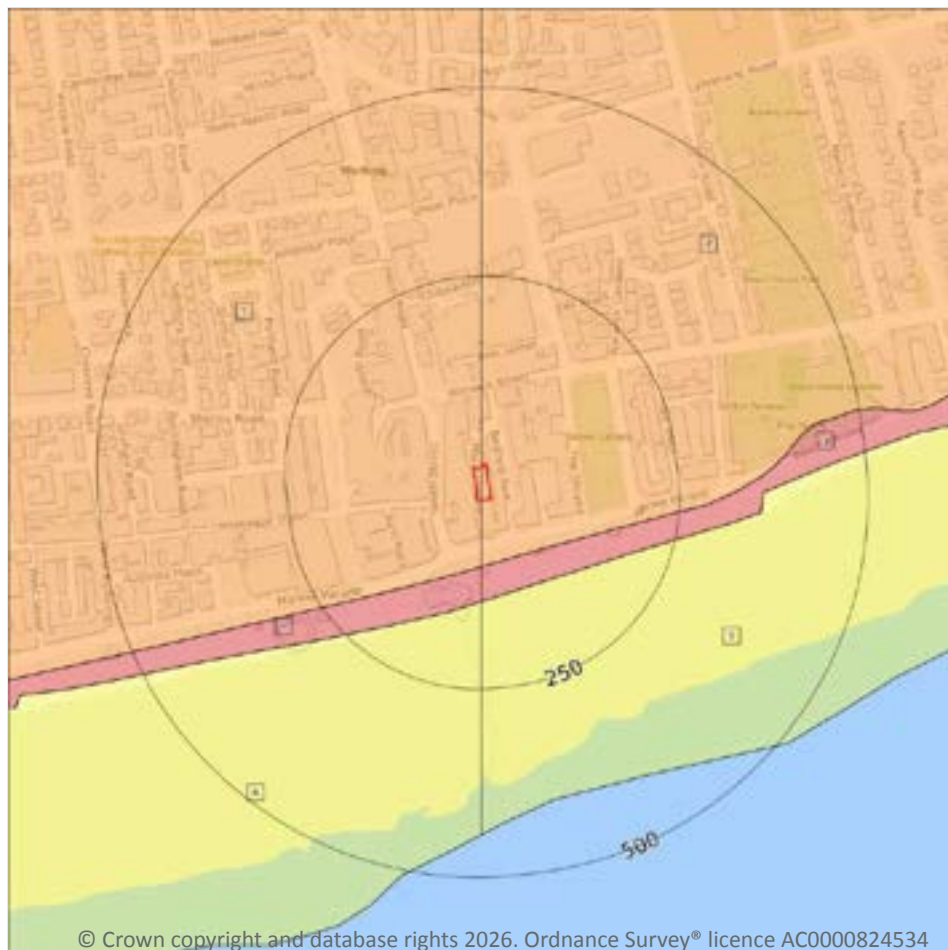
Records within 500m

0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

6

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 42](#) >

ID	Location	Designation	Description
1	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
2	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

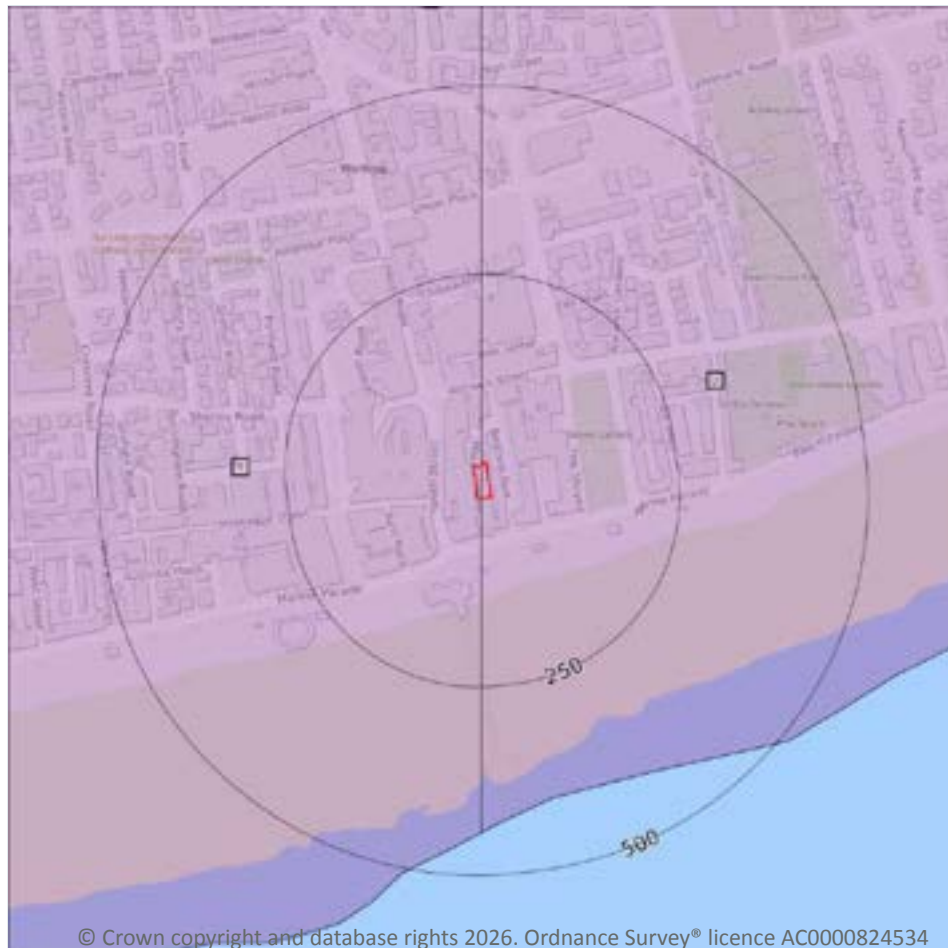


ID	Location	Designation	Description
3	83m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	88m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	126m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
6	134m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 44](#) >

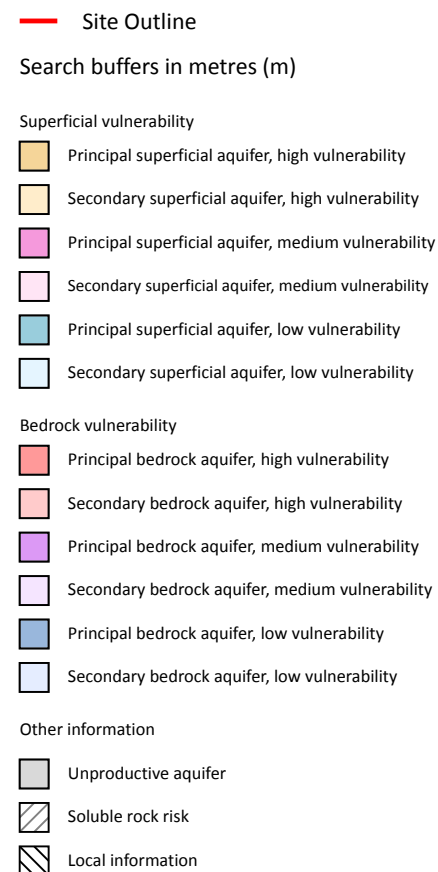
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers



This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 46](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Principal Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	2
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
3	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	74.0%
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	43.0%

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

2

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 48](#) >

ID	Location	Details	
-	1002m NW	Status: Active Licence No: SO/041/0022/018 Details: Dewatering Direct Source: Southern Region Groundwater Point: POINT B UNDERGROUND DRAINAGE CHANNELS AT WORTHING STATION Data Type: Point Name: Network Rail Limited (Southern Route) Easting: 514490 Northing: 103380	Annual Volume (m ³): 18300 Max Daily Volume (m ³): 50 Original Application No: NPS/NA/001728 Original Start Date: 24/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 24/03/2022 Version End Date: -
-	1007m NW	Status: Active Licence No: SO/041/0022/018 Details: Dewatering Direct Source: Southern Region Groundwater Point: POINT A UNDERGROUND DRAINAGE CHANNELS AT WORTHING STATION Data Type: Point Name: Network Rail Limited (Southern Route) Easting: 514487 Northing: 103384	Annual Volume (m ³): 18300 Max Daily Volume (m ³): 50 Original Application No: NPS/NA/001728 Original Start Date: 24/03/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 24/03/2022 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m	0
-----------------------------	----------

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	0
-----------------------------	----------

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.



5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

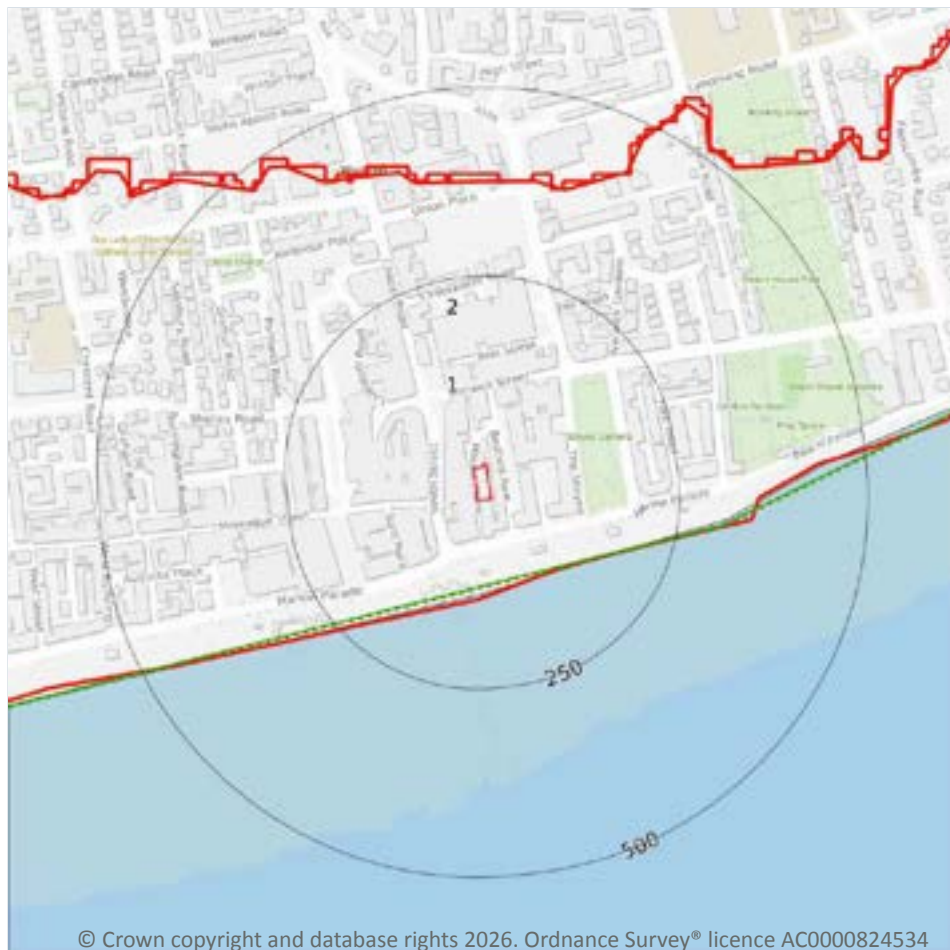
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ... WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m

0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey®.

6.3 WFD Surface water body catchments

Records on site	1
------------------------	----------

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 51](#) >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	Coastal Catchment	Not part of a river WB catchment	322	Teville	Adur and Ouse

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 51](#) >

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	117m S	Coast a	Sussex	GB640704540003 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 51](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Littlehampton Anticline East	GB40701G503400 ↗	Poor	Good	Poor	2019

This data is sourced from the Environment Agency and Natural Resources Wales.



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

6

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on [page 54 >](#)

Distance	Flood risk category
On site	High
0 - 50m	High

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	0
----------------------------	----------

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0
----------------------------	----------

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0
----------------------------	----------

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0
----------------------------	----------

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on [page 54](#) >

Location	Type
12m N	Zone 2 - (Fluvial /Tidal Models)

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

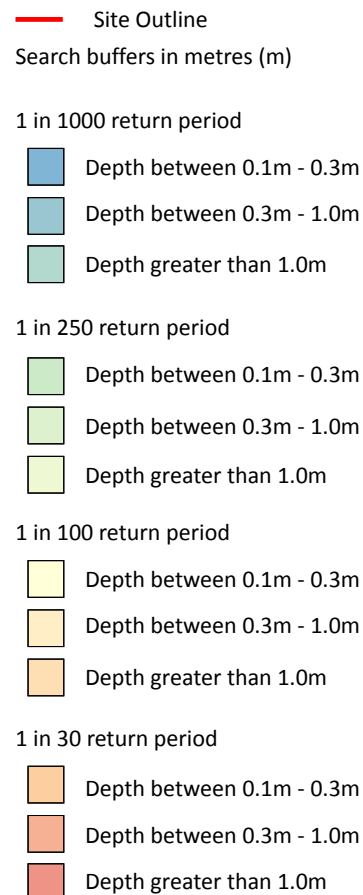
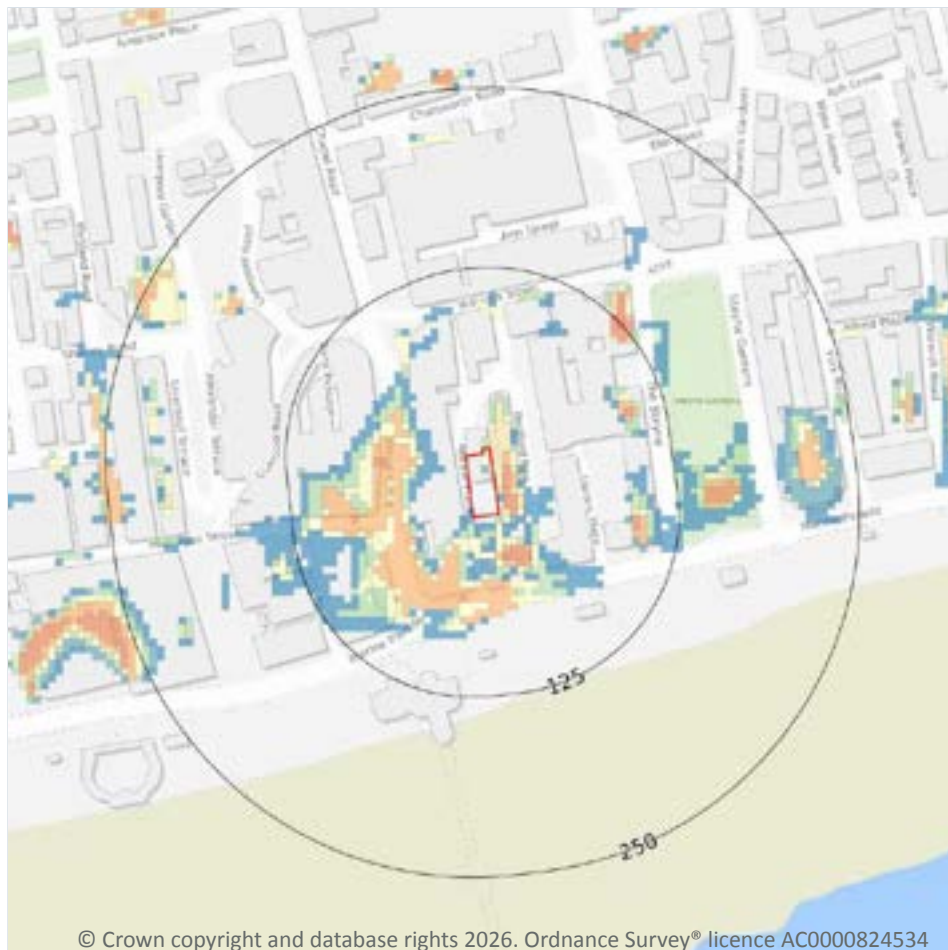
Features are displayed on the River and coastal flooding map on [page 54](#) >

Location	Type
On site	Zone 3 - (Fluvial /Tidal Models)

This data is sourced from the Environment Agency and Natural Resources Wales.



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 100 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 58 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

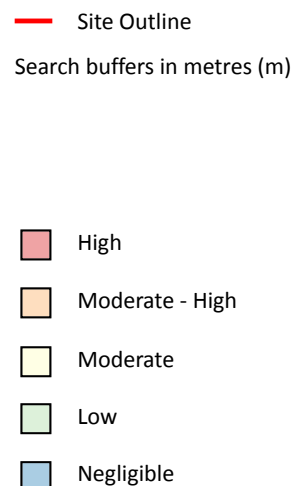
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Negligible

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate-High

Highest risk within 50m

High

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 60](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.



10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m

0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m**0**

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m**0**

Areas designated to prevent urban sprawl by keeping land permanently open.

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m**0**

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**1**

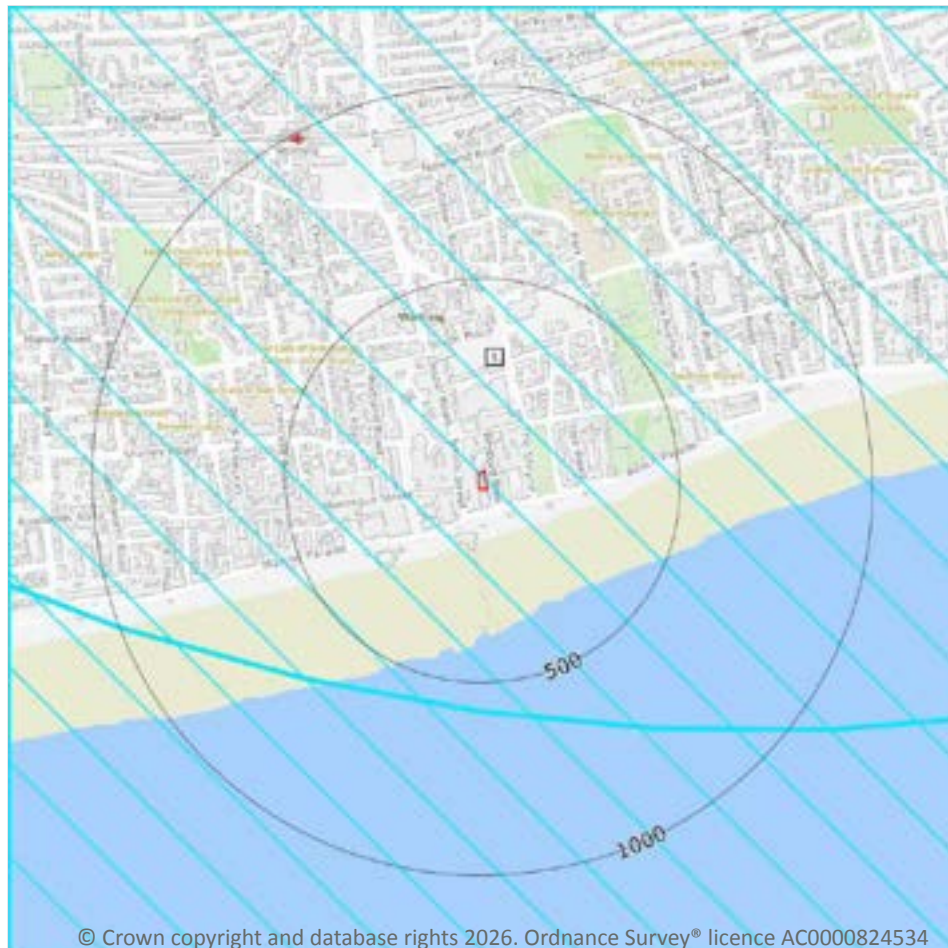
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1667m NE	Sussex Chalk	Groundwater	56	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 65 >](#)

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303000500000&notes=&location=514313,103699%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

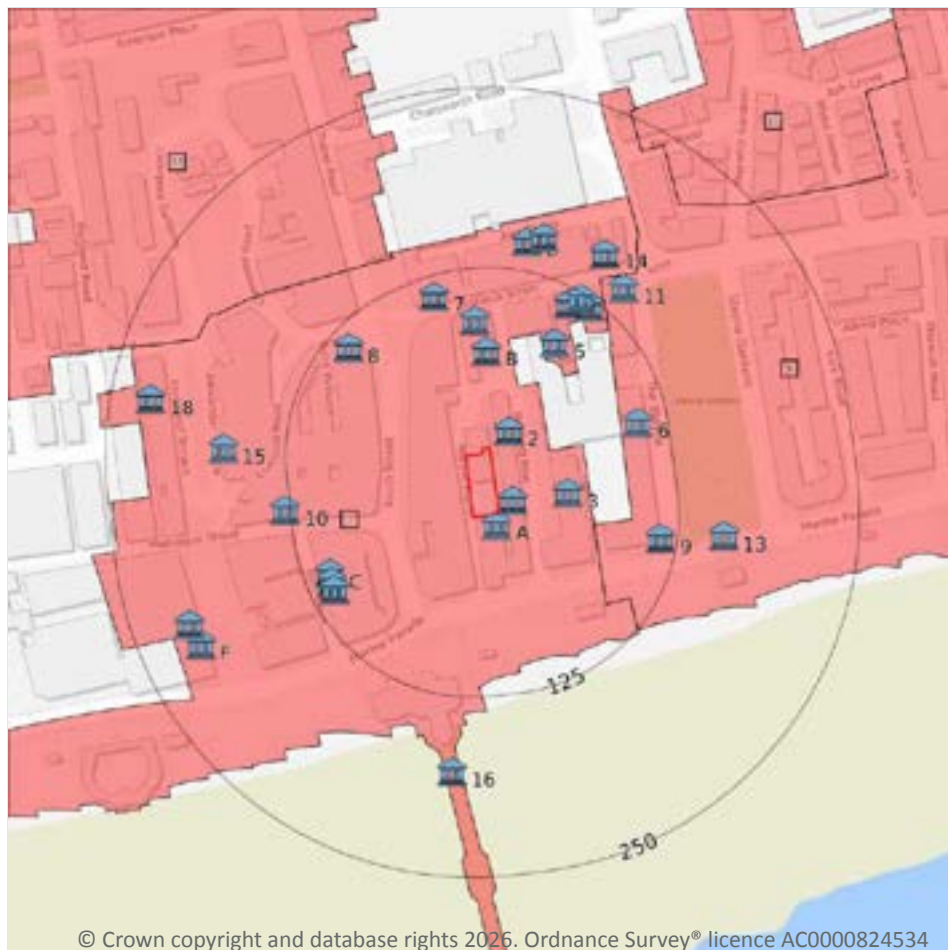
0

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

28

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on [page 67 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
A	7m S	Bedford Cottage	II	1250849	04/04/1989
A	11m E	3-6, Bedford Row	II	1025805	21/05/1976
2	18m NE	8-14, Bedford Row	II	1354771	11/10/1949
3	49m E	The Dome Cinema	II*	1250850	31/05/1989
B	67m N	Bedford Hall	II	1025806	21/05/1976

ID	Location	Name	Grade	Reference Number	Listed date
5	86m NE	Building In Library Place At Rear Of Numbers 20 And 22 Warwick Street (Storehouse Of Misters Colin Moore)	II	1263135	11/10/1949
B	89m N	Nos. 10, 12 And Thieves Kitchen Public House, Warwick Street	II	1250692	21/05/1976
6	105m E	Chatsworth Hotel Steyne Hotel	II	1250621	21/05/1976
C	107m W	6-8, Bath Place	II	1025804	21/05/1976
C	108m SW	5, Bath Place	II	1354770	11/10/1949
C	109m SW	4, Bath Place	II	1025803	21/05/1976
7	111m N	5, Warwick Street	II	1250691	21/05/1976
8	111m NW	Lloyd's Bank	II	1250548	21/05/1976
9	113m E	K6 Telephone Kiosk, The Steyne	II	1250846	11/05/1989
D	114m NE	24 And 26, Warwick Street	II	1250693	21/05/1976
D	120m NE	30,32 And 32a, Warwick Street	II	1250694	21/05/1976
D	121m NE	28, Warwick Street	II	1263136	21/05/1976
10	129m W	22, Montague Street	II	1263254	21/05/1976
11	145m NE	34,36 And 36a, Warwick Street (See Details For Further Address Information)	II	1250695	21/05/1976
E	145m N	8, Ann Street	II	1025836	21/05/1976
E	150m N	Building At Rear Of Number 35 Warwick Street	II	1025837	21/05/1976
13	157m E	War Memorial At South End Of Steyne Gardens	II	1263174	21/05/1976
14	157m NE	45, Warwick Street	II	1250847	31/10/1988
15	168m W	That Part Of The Montague Shopping Centre Which Is The Desert Quartet Sculptures With Supporting Loggia, Alexander Terrace	II*	1391960	11/05/2007
16	177m S	The Pier (Including The Pierfoot Pavilion And The Pierhead Pavilion)	II	1263242	30/07/1975
F	209m SW	Numbers 11, 12, 13 And 14 Montague Place	II	1250442	11/10/1949
F	210m W	10, Montague Place	II	1250464	21/05/1976
18	222m W	1-12, Liverpool Terrace	II	1250439	11/10/1949

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



11.5 Conservation Areas

Records within 250m

4

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

Features are displayed on the Visual and cultural designations map on [page 67](#) >

ID	Location	Name	District	Date of designation
1	On site	South Street	Worthing	14/03/2000
4	66m E	Steyne Gardens	Worthing	14/03/2000
12	146m NW	Chapel Road	Worthing	14/03/1997
17	214m NE	Warwick Gardens	Worthing	1985

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

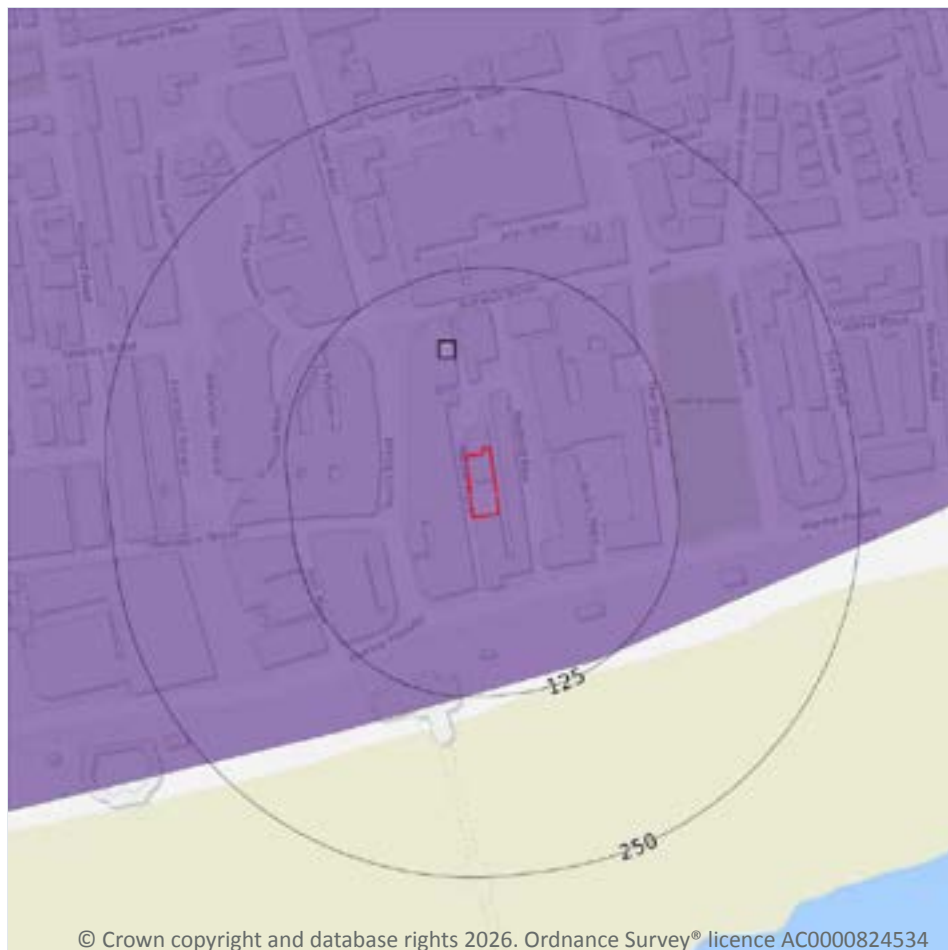
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 71](#) >

ID	Location	Classification	Description
1	On site	Urban	Non-agricultural/no quality assigned

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

14.1 10k Availability

Records within 500m

2

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 74](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TQ10SE
2	On site	Full	Full	Full	No coverage	TQ10SW

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground

14.2 Artificial and made ground (10k)

Records within 500m

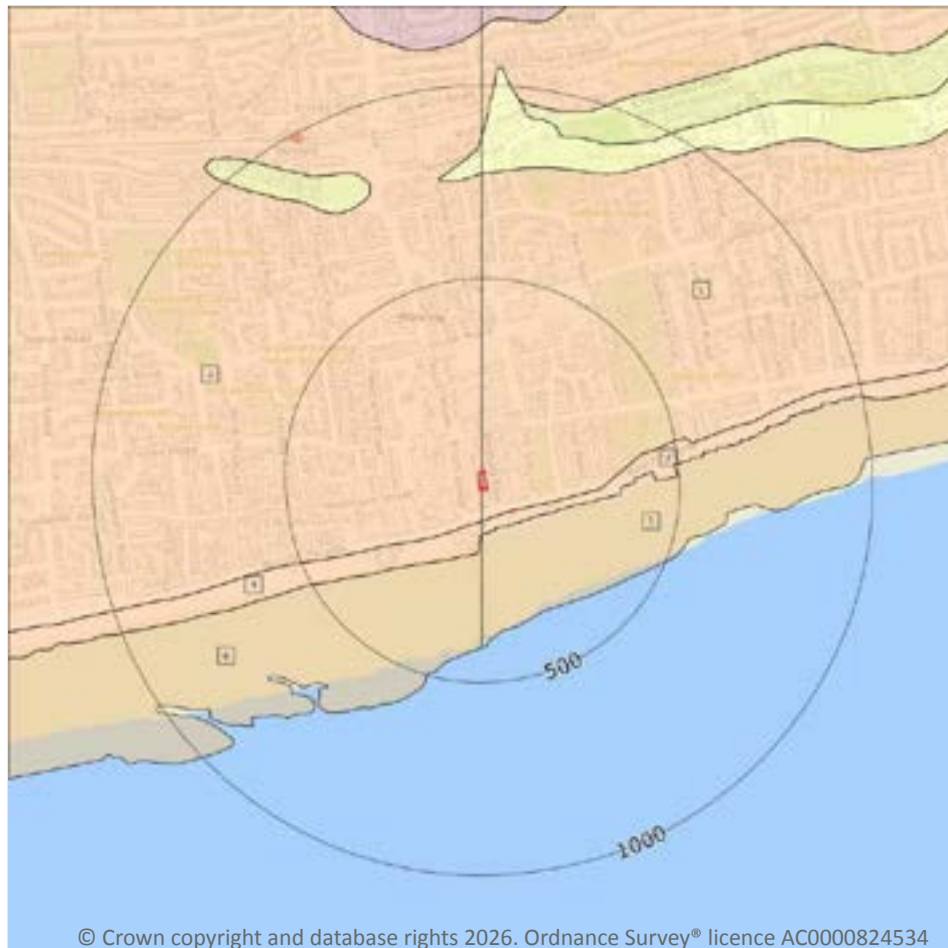
0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

6

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 76 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	RTDU-XSZC	River Terrace Deposits (Undifferentiated)-Sand, Silt And Clay	Sand, silt and clay
2	On site	RTDU-XSZC	River Terrace Deposits (Undifferentiated)-Sand, Silt And Clay	Sand, silt and clay
3	74m S	STOB-V	Storm Beach Deposits-Gravel	Gravel



ID	Location	LEX Code	Description	Rock description
4	83m S	STOB-V	Storm Beach Deposits-Gravel	Gravel
5	105m S	BCHD-XSV	Beach Deposits-Sand And Gravel	Sand and gravel
6	116m S	BCHD-XSV	Beach Deposits-Sand And Gravel	Sand and gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

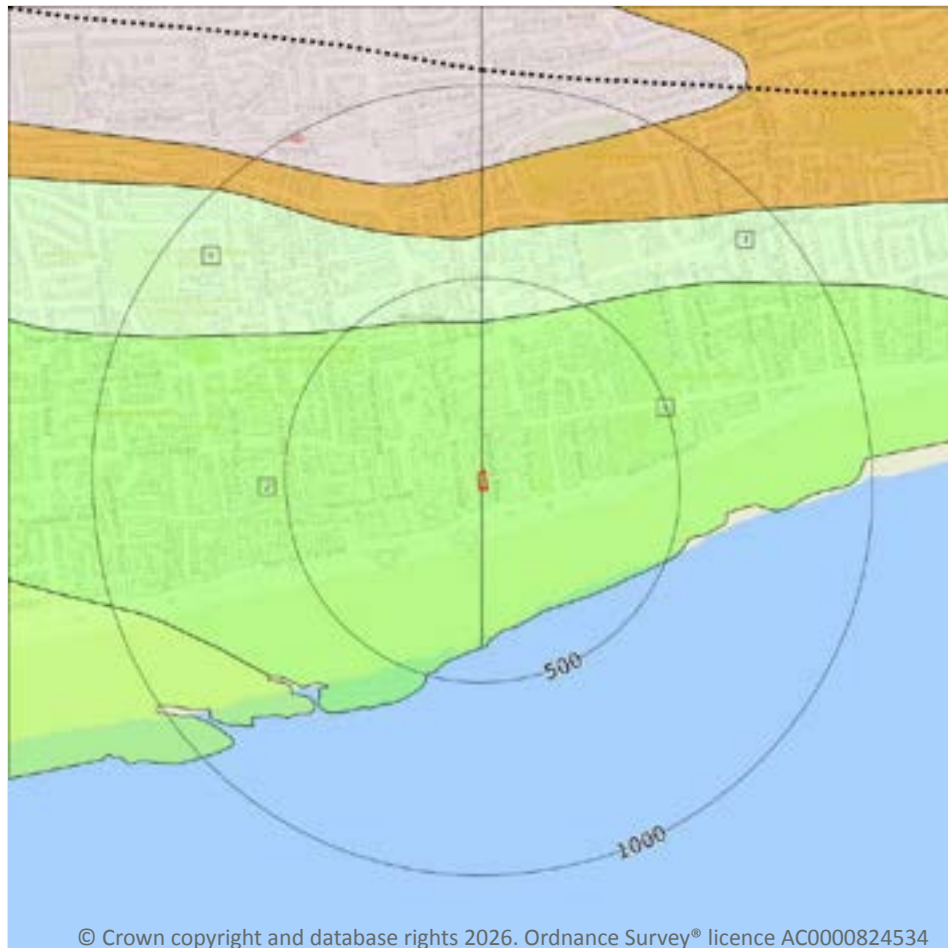
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

4

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 78 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	LECH-CHLK	Lewes Nodular Chalk Formation-Chalk	Turonian
2	On site	LECH-CHLK	Lewes Nodular Chalk Formation-Chalk	Turonian
3	387m N	SECK-CHLK	Seaford Chalk Formation-Chalk	Coniacian
4	387m N	SECK-CHLK	Seaford Chalk Formation-Chalk	Coniacian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

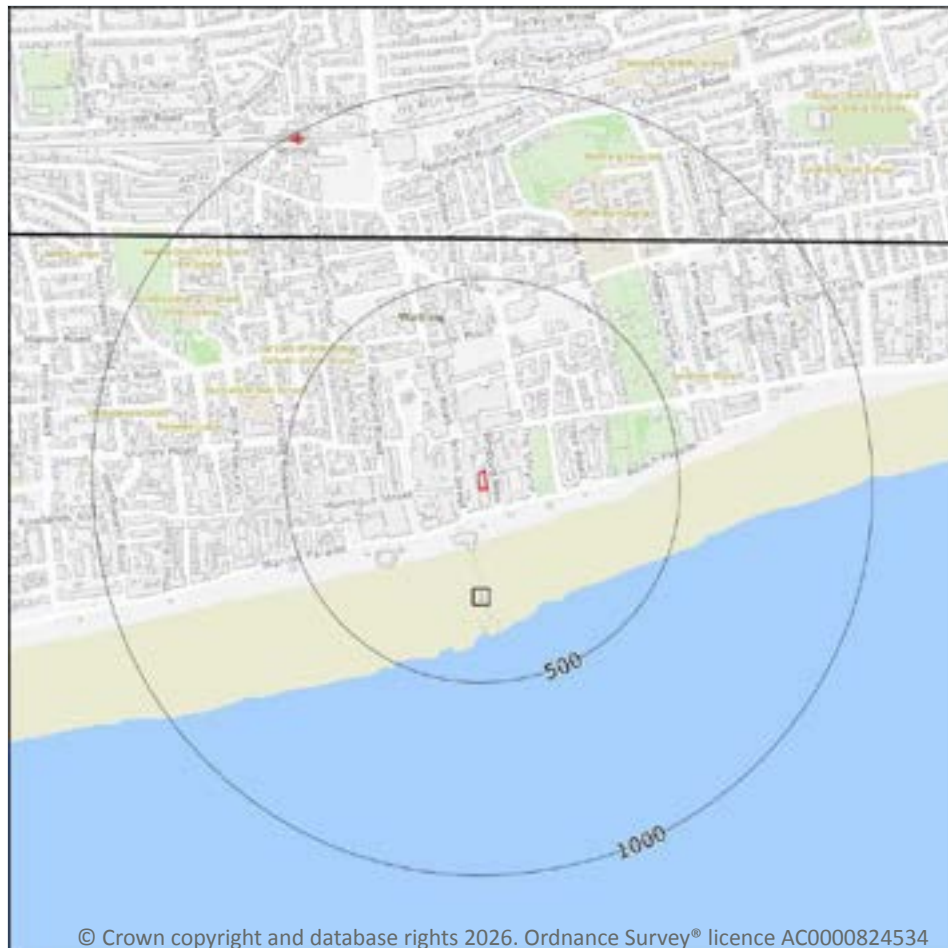
0

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- ☐ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 80](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW318_333_brighton_and_worthing_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground

15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

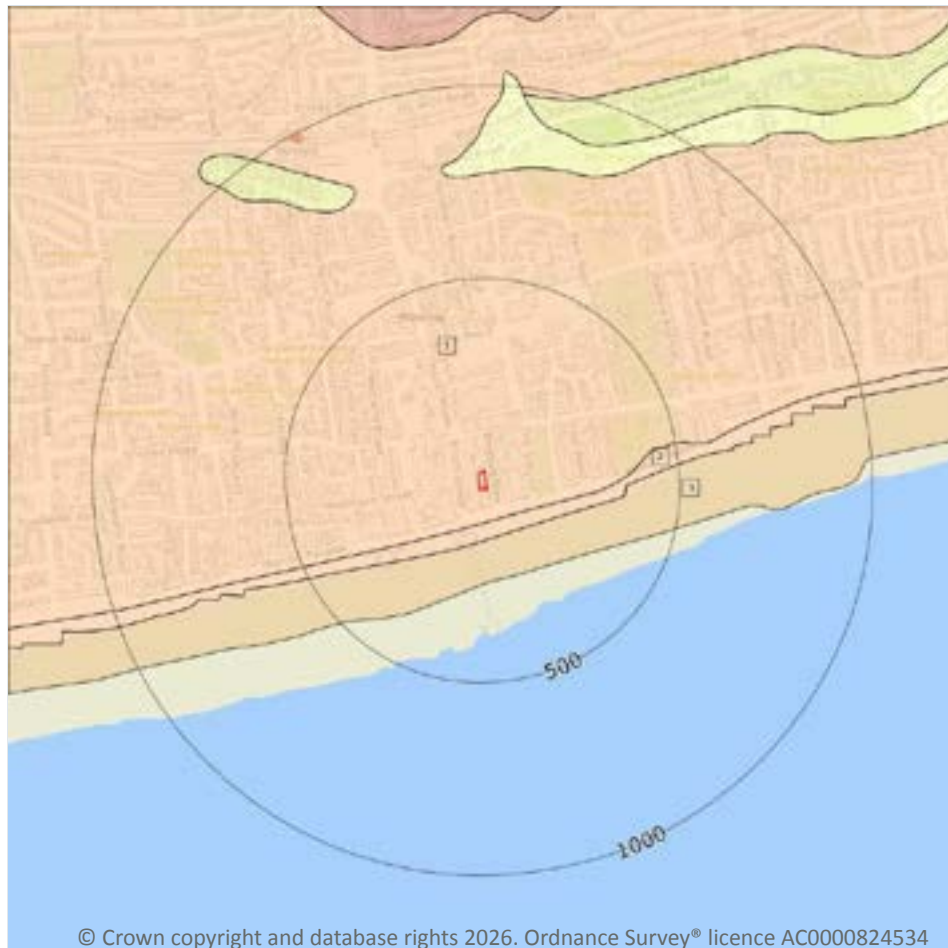
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▣ Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 82](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	RTDU-XSZC	River Terrace Deposits (Undifferentiated)	Sand, silt and clay
2	83m S	STOB-V	Storm beach deposits	Gravel
3	126m S	BTFU-XCZSV	Beach and Tidal Flat Deposits (Undifferentiated)	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

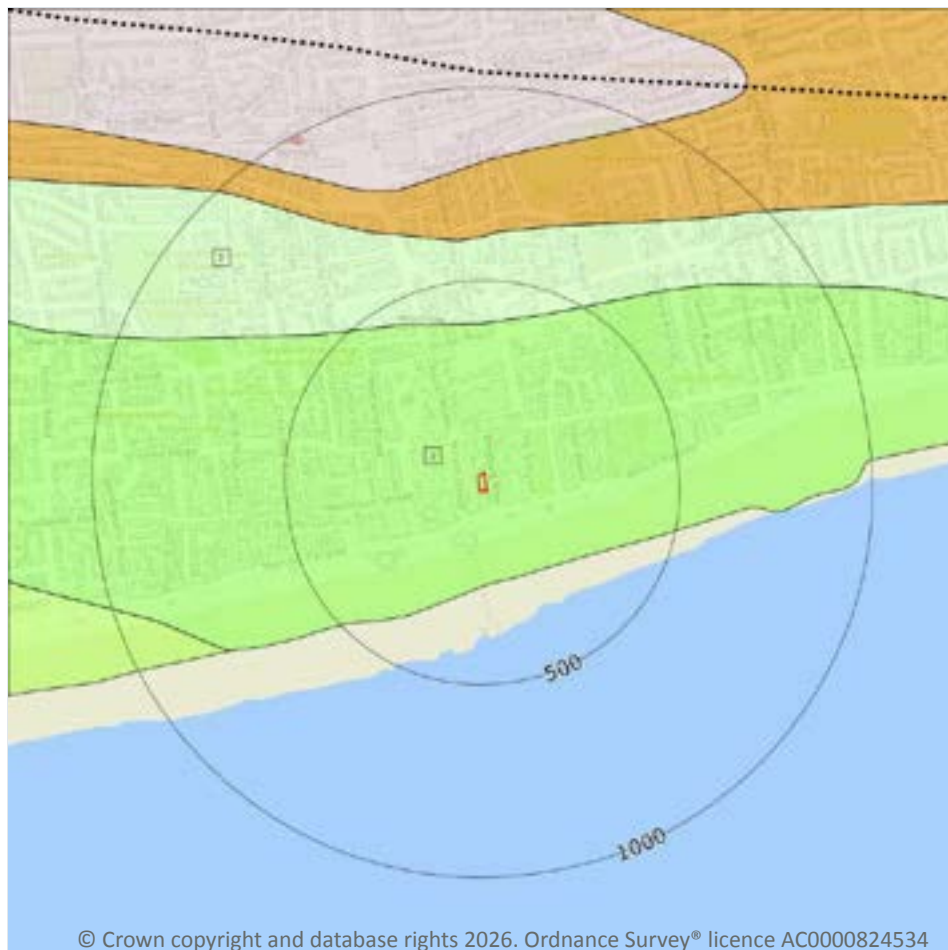
Records within 50m**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

15.8 Bedrock geology (50k)

Records within 500m

2

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 84](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LECH-CHLK	Lewes Nodular Chalk Formation-Chalk	Turonian
2	388m N	SECK-CHLK	Seaford Chalk Formation-Chalk	Coniacian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

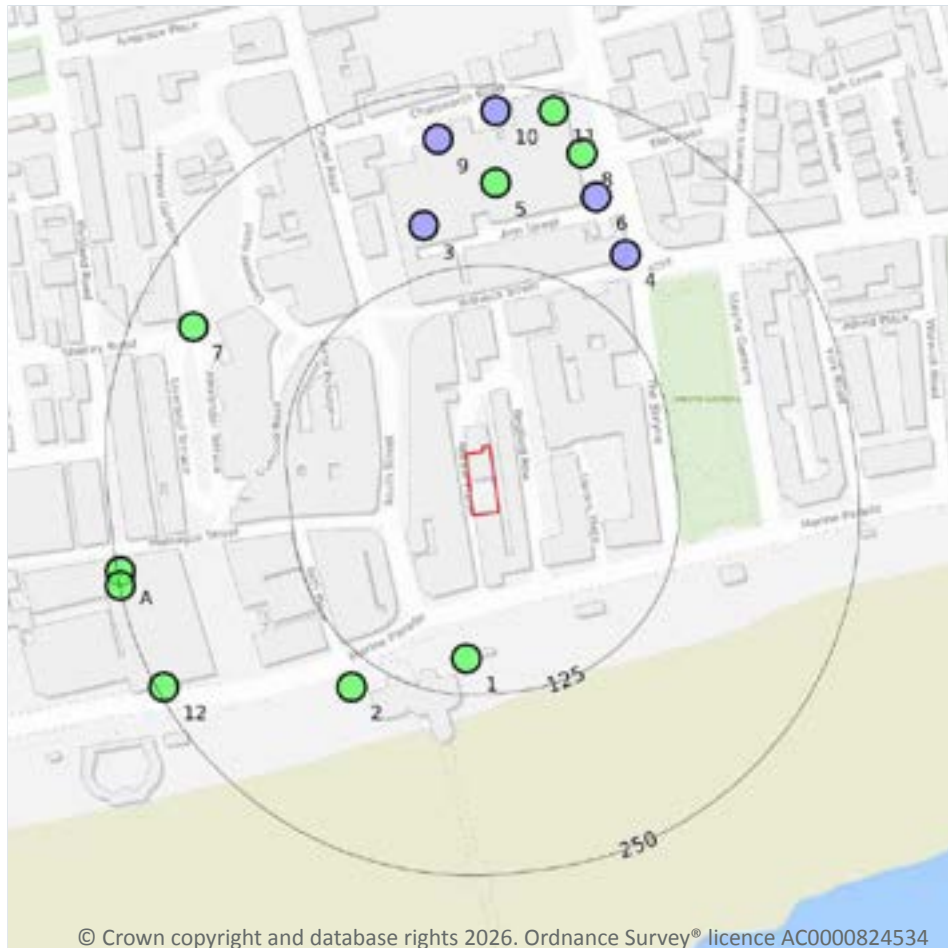
0

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

14

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 86](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	99m S	514990 102370	WORTHING BOROUGH ENGINEERS 3420	11.6	N	577682 ↗
2	146m SW	514910 102350	WORTHING BOROUGH ENGINEERS 3422	10.68	N	577684 ↗
3	159m N	514960 102670	WORTHING BOROUGH ENGINEERS 3402	7.2	N	577675 ↗

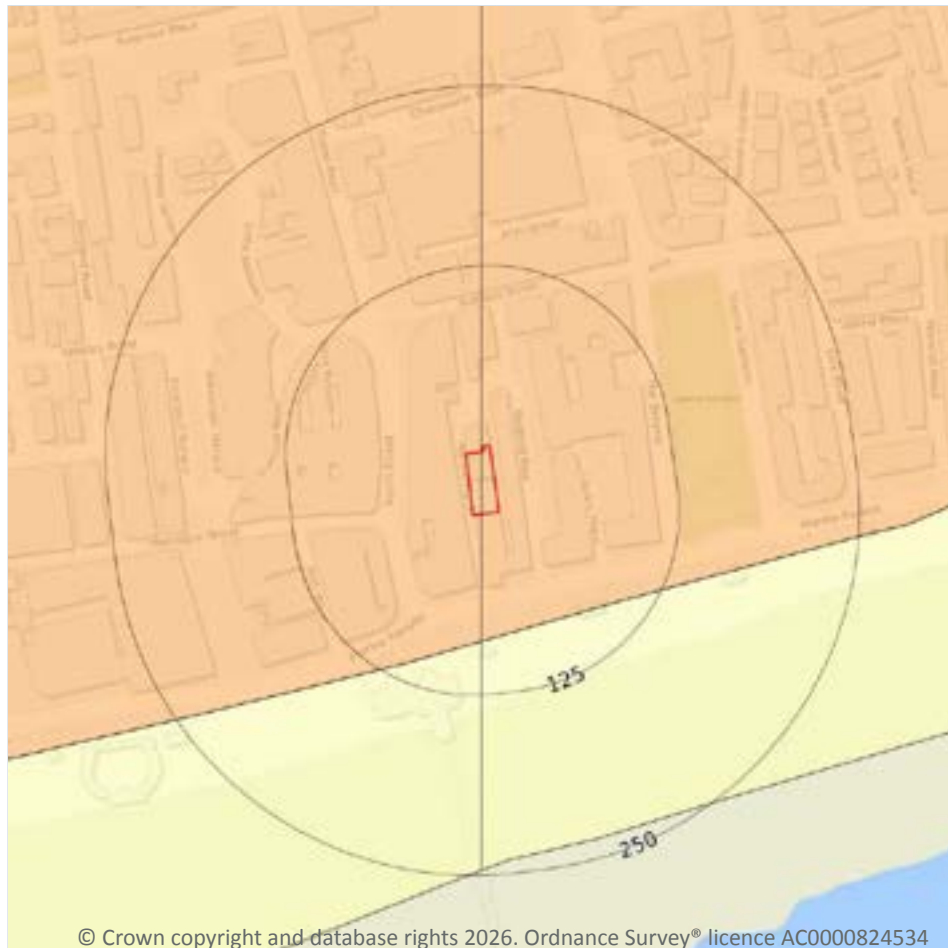


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	163m NE	515100 102650	WORTHING BOROUGH ENGINEERS 3508	7.31	N	577913 ↗
5	183m N	515010 102700	WORTHING BOROUGH ENGINEERS 3506	11.6	N	577911 ↗
6	188m NE	515080 102690	WORTHING BOROUGH ENGINEERS 3509	9.29	N	577914 ↗
7	209m NW	514800 102600	27 CHAPEL STREET, WORTHING	19.51	N	577806 ↗
8	213m N	515070 102720	WORTHING BOROUGH ENGINEERS 3504	14.8	N	577909 ↗
9	215m N	514970 102730	WORTHING BOROUGH ENGINEERS 3401	6.9	N	577674 ↗
10	233m N	515010 102750	WORTHING BOROUGH ENGINEERS 3505	6.1	N	577910 ↗
11	237m N	515050 102750	WORTHING BOROUGH ENGINEERS 3501	13.2	N	577908 ↗
12	245m SW	514780 102350	MARINE PARADE, WORTHING BH7	10.67	N	577766 ↗
A	247m W	514750 102430	WORTHING BOROUGH ENGINEERS 3410	12.2	N	577677 ↗
A	249m W	514750 102420	MARINE PARADE, WORTHING BH8	12.65	N	577767 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

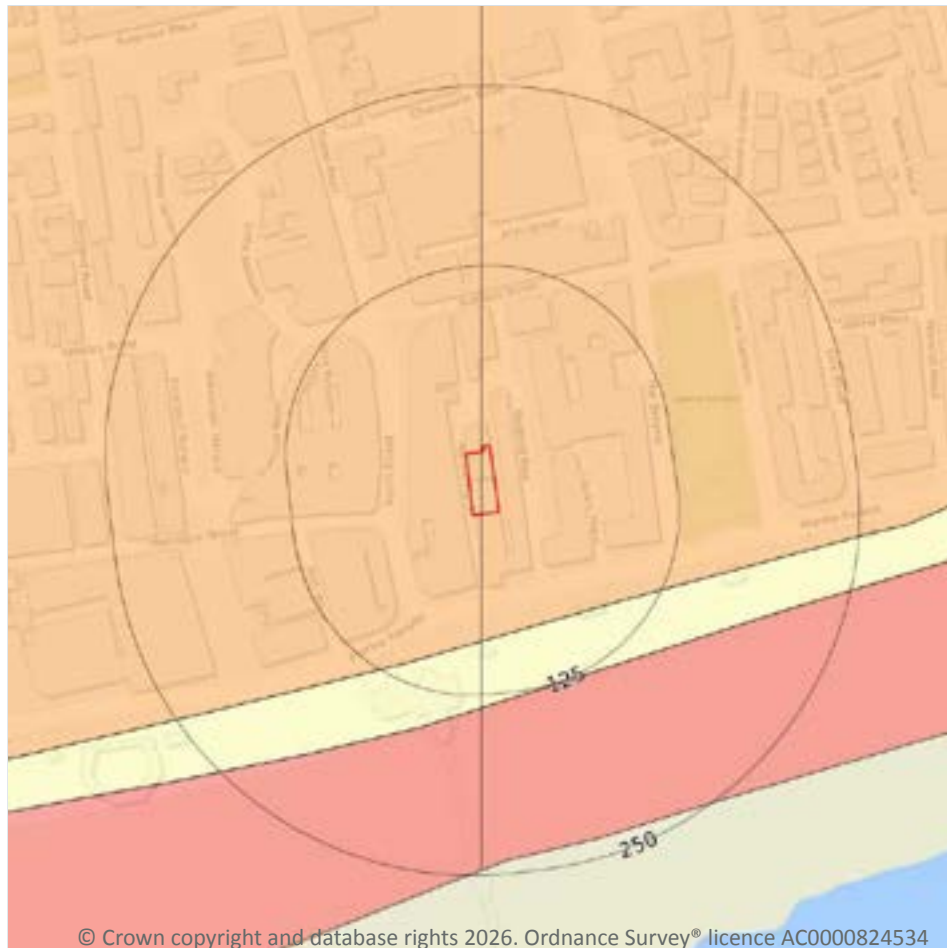
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 88](#) >

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

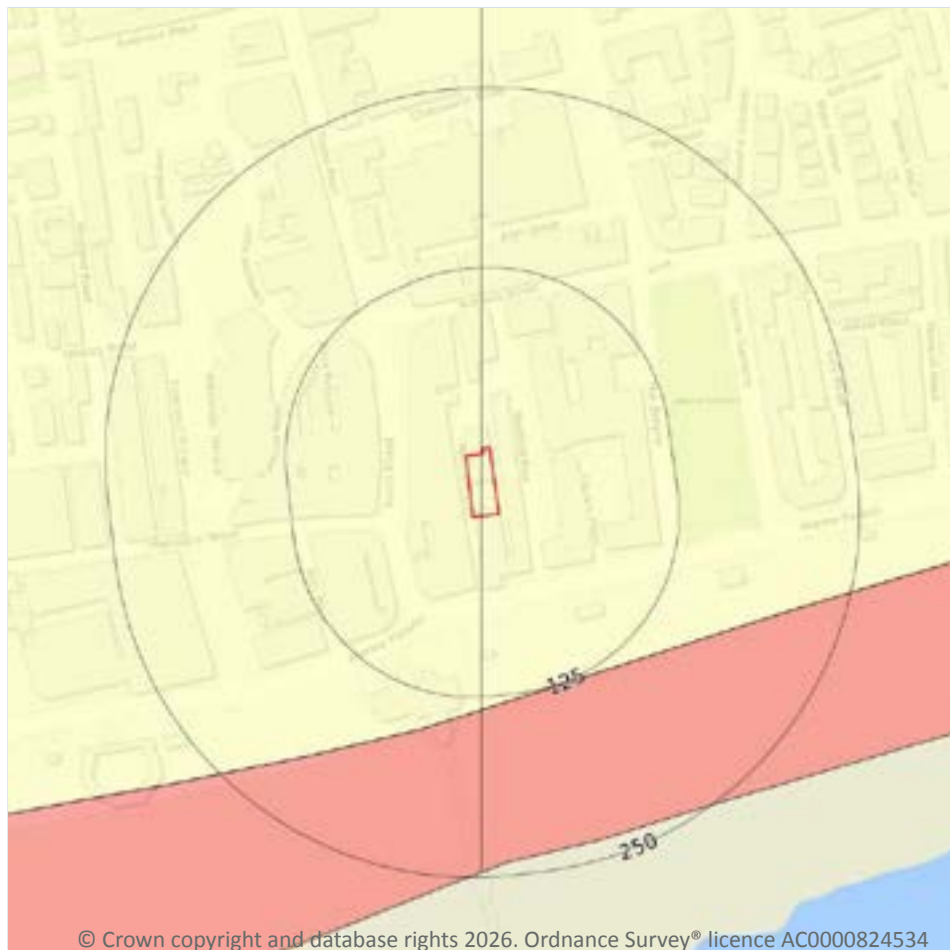
Features are displayed on the Natural ground subsidence - Running sands map on [page 89](#) >

Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

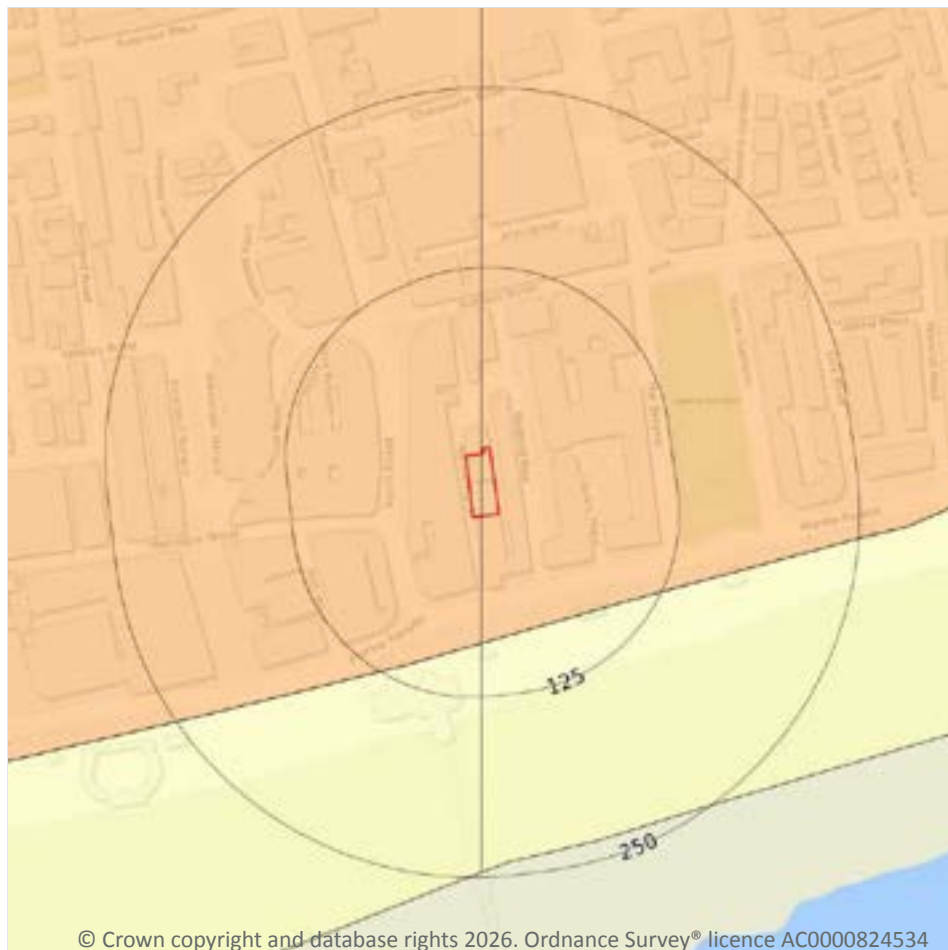
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 90](#) >

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

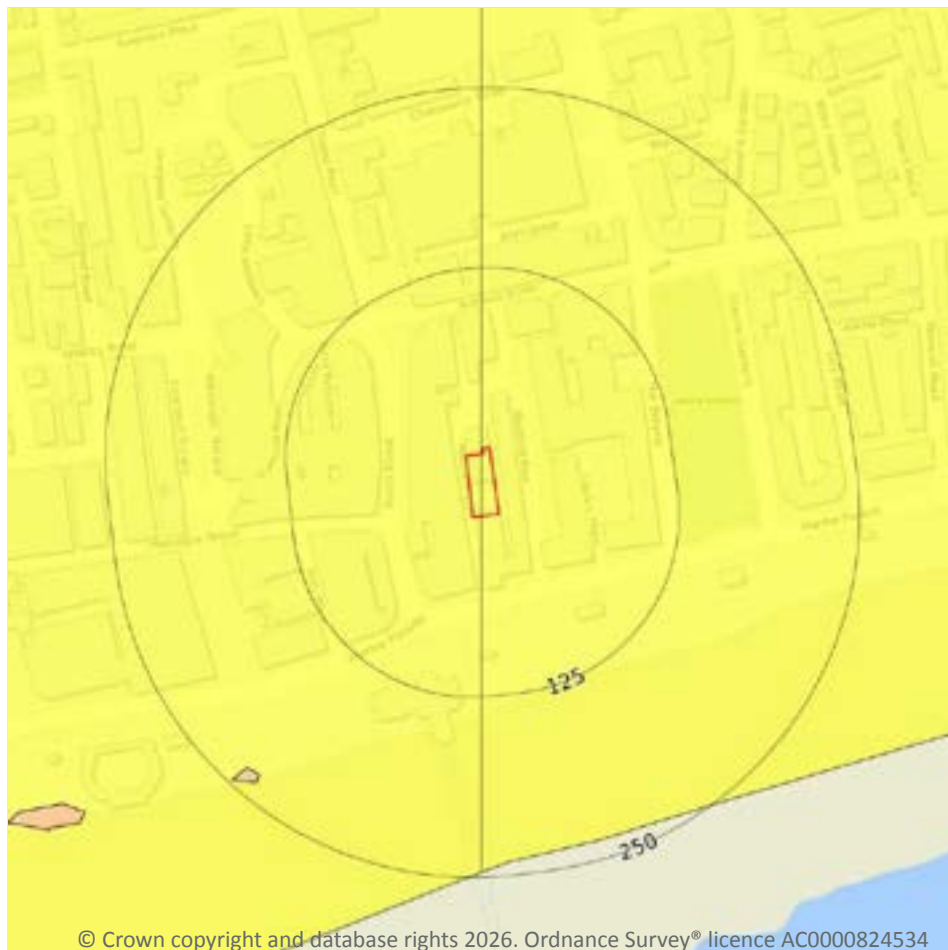
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 91](#) >

Location	Hazard rating	Details
On site	Low	Deposits with potential to collapse when loaded and saturated are possibly present in places.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

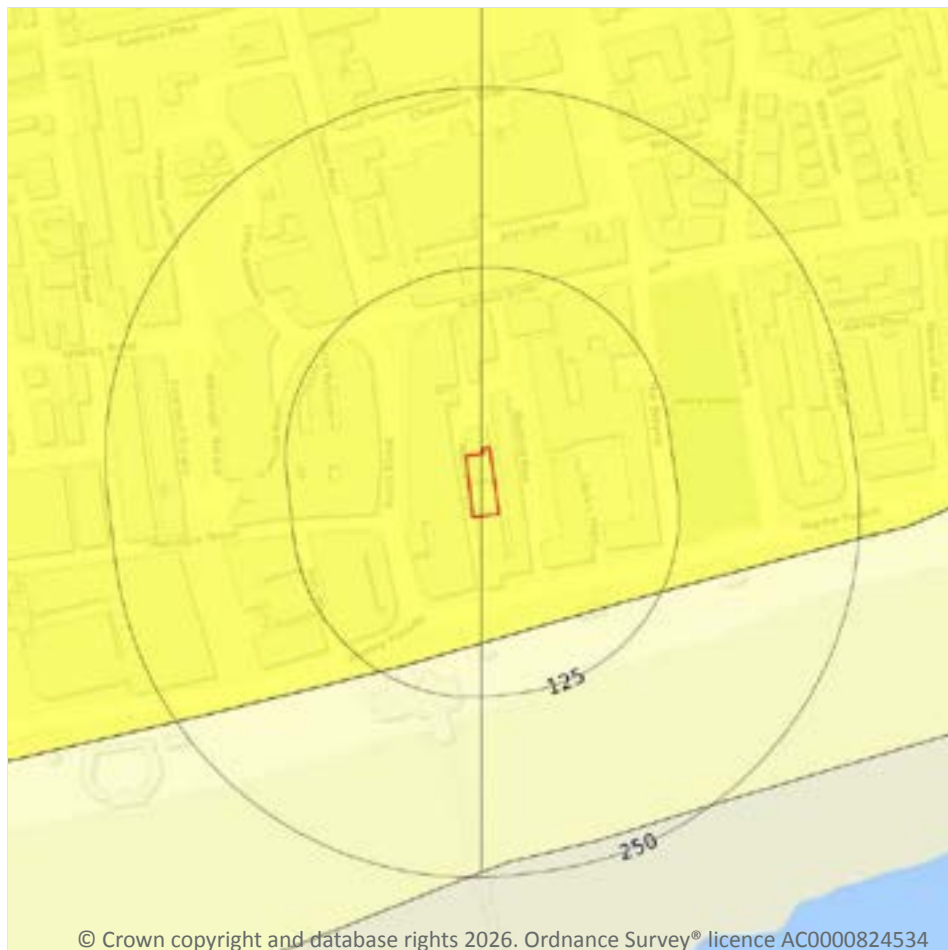
Features are displayed on the Natural ground subsidence - Landslides map on [page 92](#) >

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

© Crown copyright and database rights 2026. Ordnance Survey® licence AC0000824534

17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 93](#) >

Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
 - Sporadic underground mining of restricted extent possible
 - Localised small scale underground mining possible
 - Small scale mining possible
 - Underground mining known or likely within or in close proximity
 - Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

0

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m**0**

Historical land uses identified from Ordnance Survey® mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

This data is sourced from Ordnance Survey®/Groundsure.

18.3 Underground workings

Records within 1000m**0**

Historical land uses identified from Ordnance Survey® mapping that indicate the presence of underground workings e.g. mine shafts.

This data is sourced from Ordnance Survey®/Groundsure.

18.4 Underground mining extents

Records within 500m**0**

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m**0**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m**3**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 95 >](#)



ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
2	On site	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
3	80m S	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site **0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m **0**

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m **1**

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.



Location	Mineral type
211m W	Unspecified

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0
---------------------	---

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0
---------------------	---

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0
-----------------	---

Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0
-----------------	---

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey® maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

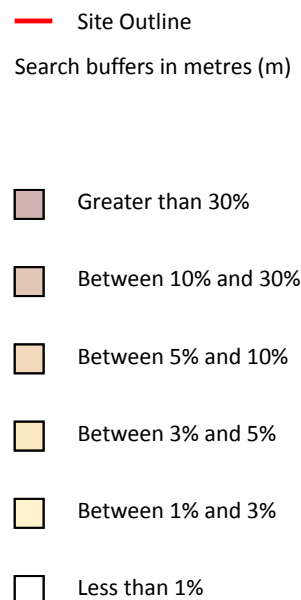
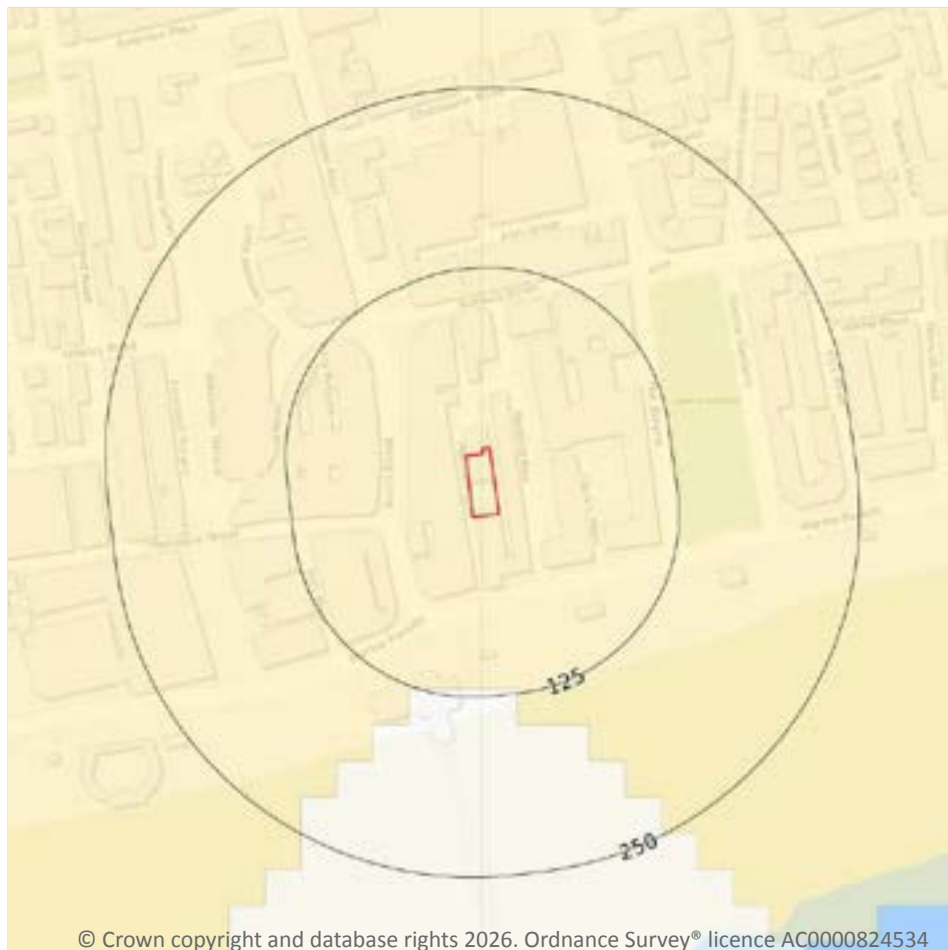
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 102](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

4

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.



21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m**0**

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m**0**

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m**0**

Railways and tunnels digitised from historical Ordnance Survey® mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m**0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



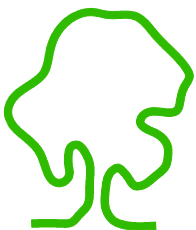
Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.





eas ltd

Environmental Assessment Services Ltd

Unit 4B, The Courtyard, Holmsted Farm, Staplefield Road, Cuckfield,
West Sussex, RH17 5JT

Phone : +44 (0) 1444 882552

email : info@easltd.co.uk

web site : www.easltd.co.uk