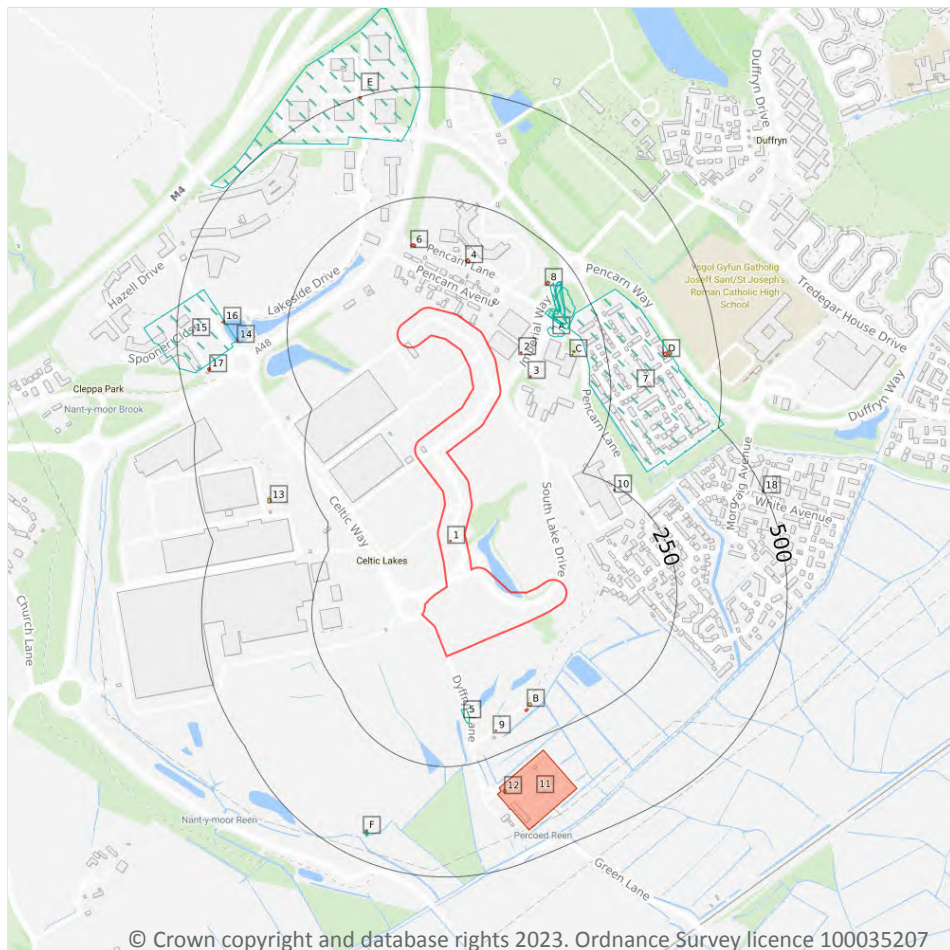


1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

15

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 14](#) >

ID	Location	Land use	Dates present	Group ID
5	125m S	Gravel Pit	1900	1164761



ID	Location	Land use	Dates present	Group ID
A	135m NE	Gravel Pit	1949 - 1963	1191047
A	147m N	Gravel Pit	1900 - 1920	1254776
A	152m NE	Unspecified Ground Workings	1949	1160908
A	162m NE	Unspecified Pit	1963	1186198
A	163m NE	Gravel Pit	1922	1258530
A	175m NE	Refuse Heap	1882	1178352
7	180m NE	Unspecified Works	1995	1178968
15	363m NW	Research Station	1987	1169016
E	381m N	Industrial Estate	1990	1164472
F	432m S	Unspecified Tank	1922	1197643
F	434m S	Unspecified Tank	1950	1252004
F	436m S	Unspecified Tank	1963	1230106
F	437m S	Unspecified Tank	1922	1233954
F	442m S	Unspecified Tank	1900	1253665

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

12

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
B	170m S	Unspecified Tank	1995	173571
C	173m NE	Unspecified Tank	1937	173569
C	175m NE	Unspecified Tank	1989	180403
C	177m NE	Unspecified Tank	1993 - 1998	192674



ID	Location	Land use	Dates present	Group ID
C	178m NE	Unspecified Tank	1965	184307
12	330m S	Unspecified Tank	1995	173570
13	343m W	Unspecified Tank	1998	173558
16	392m NW	Unspecified Tank	1987 - 1990	187869
F	435m S	Unspecified Tank	1993 - 1998	187608
F	436m S	Unspecified Tank	1987	189074
F	436m S	Unspecified Tank	1965	186288
F	437m S	Unspecified Tank	1901 - 1920	191150

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

16

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 14 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Electricity Substation	1993 - 1998	111100
2	59m N	Electricity Substation	1997 - 1998	105437
3	70m NE	Electricity Substation	1993 - 1998	110624
4	119m N	Electricity Substation	1993 - 1998	109301
6	139m N	Gas Governor	1989 - 1998	113162
B	180m S	Electricity Substation	1995	97669
8	183m N	Electricity Substation	1993 - 1998	105582
9	197m S	Electricity Substation	1995	97668
10	240m E	Electricity Substation	1997 - 1998	106191
11	281m S	Electricity Substation	1995 - 1998	109349



ID	Location	Land use	Dates present	Group ID
14	360m NW	Electricity Substation	1987 - 1990	104536
D	377m NE	Gas Governor	1989	99417
D	386m NE	Gas Governor	1989 - 1998	111664
17	430m NW	Electricity Substation	1994 - 1997	111827
E	495m N	Electricity Substation	1987 - 1990	111377
18	496m E	Electricity Substation	1999	97667

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

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

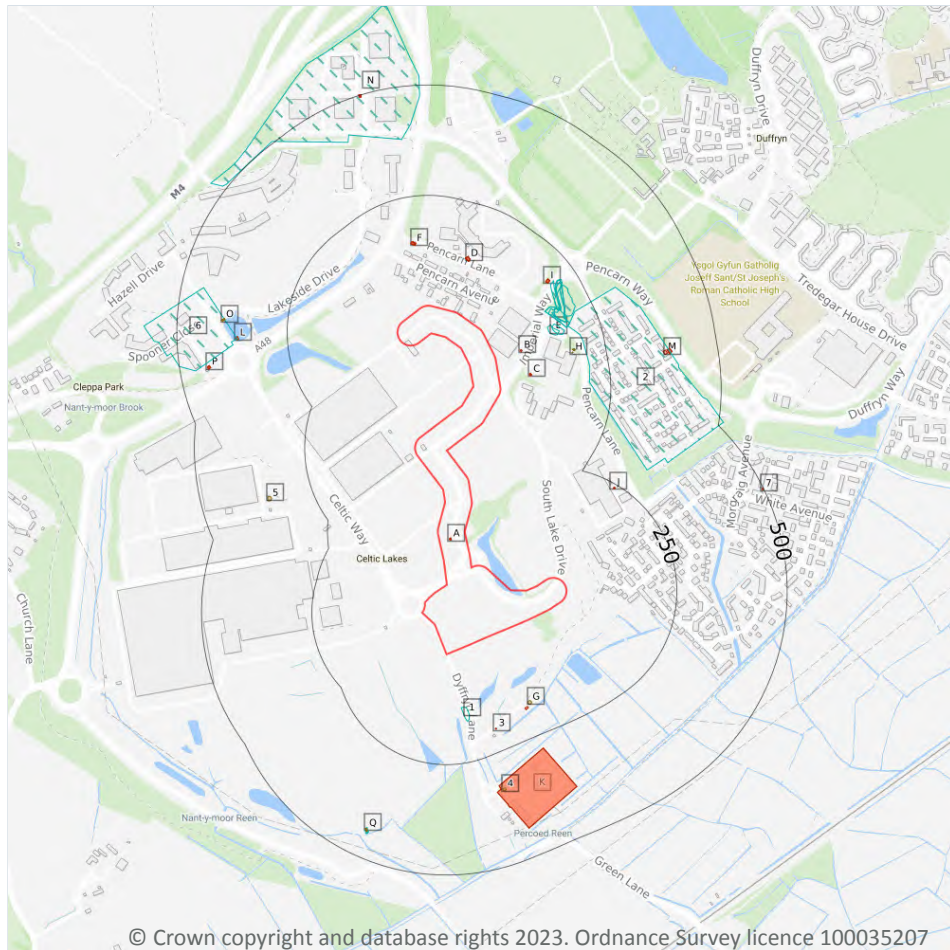
0

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

2.1 Historical industrial land uses

Records within 500m

17

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 18](#) >

ID	Location	Land Use	Date	Group ID
1	125m S	Gravel Pit	1900	1164761
E	135m NE	Gravel Pit	1949	1191047
E	145m NE	Gravel Pit	1963	1191047



ID	Location	Land Use	Date	Group ID
E	147m N	Gravel Pit	1900	1254776
E	147m N	Gravel Pit	1920	1254776
E	152m NE	Unspecified Ground Workings	1949	1160908
E	162m NE	Unspecified Pit	1963	1186198
E	163m NE	Gravel Pit	1922	1258530
E	175m NE	Refuse Heap	1882	1178352
2	180m NE	Unspecified Works	1995	1178968
6	363m NW	Research Station	1987	1169016
N	381m N	Industrial Estate	1990	1164472
Q	432m S	Unspecified Tank	1922	1197643
Q	434m S	Unspecified Tank	1950	1252004
Q	436m S	Unspecified Tank	1963	1230106
Q	437m S	Unspecified Tank	1922	1233954
Q	442m S	Unspecified Tank	1900	1253665

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

20

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 18 >](#)

ID	Location	Land Use	Date	Group ID
G	170m S	Unspecified Tank	1995	173571
H	173m NE	Unspecified Tank	1937	173569
H	175m NE	Unspecified Tank	1989	180403
H	177m NE	Unspecified Tank	1996	192674
H	177m NE	Unspecified Tank	1997	192674
H	177m NE	Unspecified Tank	1998	192674



ID	Location	Land Use	Date	Group ID
H	177m NE	Unspecified Tank	1993	192674
H	178m NE	Unspecified Tank	1965	184307
4	330m S	Unspecified Tank	1995	173570
5	343m W	Unspecified Tank	1998	173558
O	392m NW	Unspecified Tank	1987	187869
O	392m NW	Unspecified Tank	1990	187869
Q	435m S	Unspecified Tank	1998	187608
Q	435m S	Unspecified Tank	1998	187608
Q	435m S	Unspecified Tank	1995	187608
Q	435m S	Unspecified Tank	1993	187608
Q	436m S	Unspecified Tank	1987	189074
Q	436m S	Unspecified Tank	1965	186288
Q	437m S	Unspecified Tank	1901	191150
Q	437m S	Unspecified Tank	1920	191150

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

45

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 18 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Electricity Substation	1996	111100
A	On site	Electricity Substation	1997	111100
A	On site	Electricity Substation	1998	111100
A	On site	Electricity Substation	1993	111100
B	59m N	Electricity Substation	1997	105437
B	59m N	Electricity Substation	1998	105437



ID	Location	Land Use	Date	Group ID
C	70m NE	Electricity Substation	1996	110624
C	70m NE	Electricity Substation	1997	110624
C	70m NE	Electricity Substation	1998	110624
C	70m NE	Electricity Substation	1993	110624
D	119m N	Electricity Substation	1996	109301
D	119m N	Electricity Substation	1997	109301
D	119m N	Electricity Substation	1998	109301
D	119m N	Electricity Substation	1993	109301
F	139m N	Gas Governor	1996	113162
F	139m N	Gas Governor	1997	113162
F	139m N	Gas Governor	1998	113162
F	139m N	Gas Governor	1993	113162
F	142m N	Gas Governor	1989	113162
F	142m N	Gas Governor	1989	113162
G	180m S	Electricity Substation	1995	97669
I	183m N	Electricity Substation	1996	105582
I	183m N	Electricity Substation	1997	105582
I	183m N	Electricity Substation	1998	105582
I	183m N	Electricity Substation	1993	105582
3	197m S	Electricity Substation	1995	97668
J	240m E	Electricity Substation	1997	106191
J	240m E	Electricity Substation	1998	106191
K	281m S	Electricity Substation	1998	109349
K	281m S	Electricity Substation	1995	109349
L	360m NW	Electricity Substation	1987	104536
L	360m NW	Electricity Substation	1990	104536
M	377m NE	Gas Governor	1989	99417
M	386m NE	Gas Governor	1989	111664



ID	Location	Land Use	Date	Group ID
M	388m NE	Gas Governor	1996	111664
M	388m NE	Gas Governor	1997	111664
M	388m NE	Gas Governor	1998	111664
M	388m NE	Gas Governor	1993	111664
P	430m NW	Electricity Substation	1994	111827
P	430m NW	Electricity Substation	1997	111827
P	430m NW	Electricity Substation	1994	111827
N	495m N	Electricity Substation	1987	111377
N	495m N	Electricity Substation	1989	111377
N	495m N	Electricity Substation	1990	111377
7	496m E	Electricity Substation	1999	97667

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

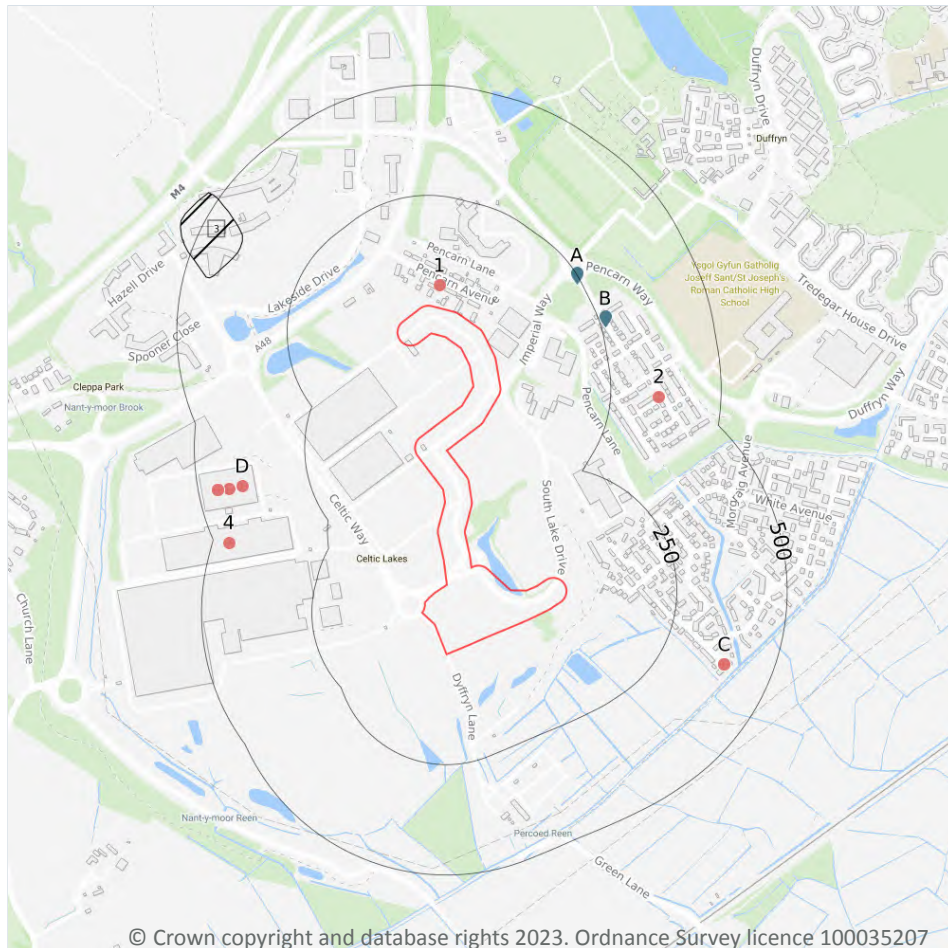
0

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'.

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Licensed waste sites
- 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

1

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.

Features are displayed on the Waste and landfill map on [page 23 >](#)

ID	Location	Details		
3	401m NW	Site Address: Graig-Y-Saeson Farm, Coed Kernew, Newport, Gwent Licence Holder Address: -	Waste Licence: Yes Site Reference: 49/88 Waste Type: Inert, Industrial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 26/08/1988 Licence Surrender: 31/10/1988	Operator: - Licence Holder: J O Cullimore First Recorded 26/08/1988 Last Recorded: 31/10/1988

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

6

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

Features are displayed on the Waste and landfill map on [page 23 >](#)



ID	Location	Details		
A	248m NE	Site Name: Panasonic Communications Company U K Ltd Site Address: Panasonic Communications Ltd, Pencarn Way, Duffryn, Newport, NP10 8YE Correspondence Address: Panasonic Communications, Pencarn Way, Duffryn, Newport, NP10 8YE	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAN007 EPR reference: - Operator: Panasonic Communications Company U K Ltd Waste Management licence No: 30343 Annual Tonnage: 499	Issue Date: 18/03/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	248m NE	Site Name: Panasonic Communications Company U K Ltd Site Address: Panasonic Communications Ltd, Pencarn Way, Duffryn, Newport, Gwent, NP10 8YE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAN007 EPR reference: EA/EPR/EP3695FY/A001 Operator: Panasonic Communications Company U K Ltd Waste Management licence No: 30343 Annual Tonnage: 499	Issue Date: 18/03/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	248m NE	Site Name: Panasonic System Networks Company U K Ltd Site Address: P S N U K Ltd, Pencarn Way, Duffryn, Newport, Gwent, NP10 8YE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAN007 EPR reference: EA/EPR/EP3695FY/S002 Operator: Panasonic System Networks Company U K Ltd Waste Management licence No: 30343 Annual Tonnage: 0	Issue Date: 18/03/2005 Effective Date: - Modified: - Surrendered Date: 22/10/2012 Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
A	249m NE	Site Name: Panasonic System Networks Company U K Ltd Site Address: P S N U K Ltd, Pencarn Way, Duffryn, Newport, Gwent, NP10 8YE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: PAN007 EPR reference: EP3695FY/S002 Operator: Panasonic System Networks Company U K Ltd Waste Management licence No: 30343 Annual Tonnage: 0	Issue Date: 18/03/2005 Effective Date: - Modified: - Surrendered Date: 2.0121e+016 Expiry Date: 0 Cancelled Date: 0 Status: Surrendered
B	263m NE	Site Name: Panasonic Communications Company Uk Ltd Site Address: Pencarn Way, Duffryn, Newport, NP10 8YE Correspondence Address: Pencarn Way, Duffryn, Newport, NP10 8YE	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAN007 EPR reference: - Operator: Panasonic Communications Company Uk Ltd Waste Management licence No: 30343 Annual Tonnage: 0	Issue Date: 18/03/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	263m NE	Site Name: Panasonic Communications Company Uk Ltd Site Address: Pencarn Way, Duffryn, Newport, NP10 8YE Correspondence Address: Pencarn Way, Duffryn, Newport, NP10 8YE	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAN007 EPR reference: - Operator: Panasonic Communications Company Uk Ltd Waste Management licence No: 30343 Annual Tonnage: 0	Issue Date: 18/03/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m

17

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 23 >](#)



ID	Location	Site	Reference	Category	Sub-Category	Description
1	49m N	25 Pencarn Avenue, Coedkernew, Newport, Newport, NP10 8TJ	NRW-WME000688	Disposing of waste exemption	Waste Exemption - Agricultural and Non-Agricultural	Burning waste in the open
2	359m NE	The Boulevards, Panasonic Systems Network co UK, Newport, Newport, NP10 8YE	NRW-WME000715	Using waste exemption	Waste Exemption - Non-Agricultural	Use of waste in construction
C	392m SE	Kier Infrastructure UK, Kier Infrastructure, Maerdy Bridge, Unnamed Road, Newport, NP108EG	NRW-WME005931	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	392m SE	Kier Infrastructure UK, Kier Infrastructure, Maerdy Bridge, Unnamed Road, Newport, NP108EG	NRW-WME005931	Using waste exemption	On a farm	Use of mulch
C	392m SE	Kier Infrastructure UK, Kier Infrastructure, Maerdy Bridge, Unnamed Road, Newport, Gwent, NP108EG	NRW-WME005998	Using waste exemption	On a farm	Use of mulch
C	392m SE	Kier Infrastructure UK, Kier Infrastructure, Maerdy Bridge, Unnamed Road, Newport, Gwent, NP108EG	NRW-WME005998	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	392m SE	ABC Electrification Ltd, Adj. Green Lane Bridge, Green Lane, Newport, Newport, NP108EG	NRW-WME006036	Using waste exemption	Not on a farm	Use of waste in construction
C	392m SE	UK Power Networks Services, St Brides ATFS, Green Lane, Duffryn, Newport, NP108EG	NRW-WME007162	Using waste exemption	Not on a farm	Use of waste in construction
C	392m SE	UK Power Networks Services, St Brides ATFS, Green Lane, Duffryn, Newport, NP108EG	NRW-WME007162	Using waste exemption	Not on a farm	Use of mulch
D	401m W	Unit 5, Celtic Way, Celtic Lakes, Newport, NP10 8BE	WEX077465	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

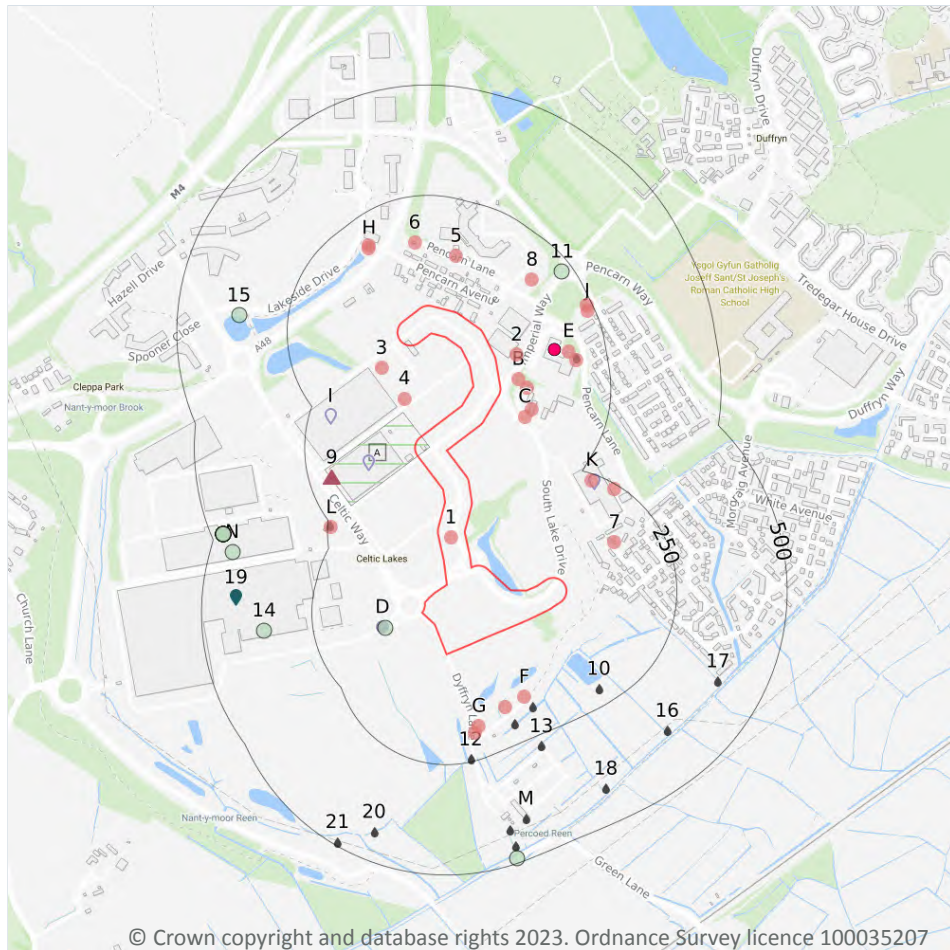


ID	Location	Site	Reference	Category	Sub-Category	Description
D	432m W	Morgan Sindall Construction & Infrastructure Ltd, LG Tanks, Imperial Park, Celtic Way, Marshfield, Newport, NP108BE	NRW-WME032808	Treating waste exemption	Not on a farm	Screening and blending of waste
D	458m W	IP3, CELTIC WAY, CELTIC LAKES, NEWPORT, NP10 8BE	WEX150571	Treating waste exemption	Not on a farm	Manual treatment of waste
D	458m W	IP3, CELTIC WAY, CELTIC LAKES, NEWPORT, NP10 8BE	WEX150571	Treating waste exemption	Not on a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
D	458m W	IP3, CELTIC WAY, CELTIC LAKES, NEWPORT, NP10 8BE	WEX150571	Treating waste exemption	Not on a farm	Sorting mixed waste
D	458m W	IP3, CELTIC WAY, CELTIC LAKES, NEWPORT, NP10 8BE	WEX150571	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
D	458m W	IP3, CELTIC WAY, CELTIC LAKES, NEWPORT, NP10 8BE	WEX150571	Storing waste exemption	Not on a farm	Storage of waste in a secure place
4	464m W	UNIT 4, CELTIC WAY, CELTIC LAKES, NEWPORT, NP10 8BE	WEX077463	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

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
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

25

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 29](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
B	43m NE	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
2	49m N	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
B	61m NE	Silvertel	Unit 1 The Courtyard, Imperial Park, Coedkernew, Newport, Gwent, NP10 8UL	Electrical Components	Industrial Products
3	75m NW	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
C	75m NE	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
C	81m NE	Abriox	Unit 3 The Courtyard, Imperial Park, Coedkernew, Newport, Gwent, NP10 8UL	Special Purpose Machinery and Equipment	Industrial Products
4	92m NW	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
5	124m N	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
6	146m N	Gas Governor Station	Gwent, NP10	Gas Features	Infrastructure and Facilities
7	147m E	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
F	158m S	Pumping Station	Gwent, NP10	Water Pumping Stations	Industrial Features
F	161m S	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
8	163m N	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
E	166m NE	Tank	Gwent, NP10	Tanks (Generic)	Industrial Features
G	178m S	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
H	179m N	Pumping Station	Gwent, NP10	Water Pumping Stations	Industrial Features
E	180m NE	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
H	183m N	Sewage Pumping Station	Gwent, NP10	Waste Storage, Processing and Disposal	Infrastructure and Facilities
G	188m S	Pumping Station	Gwent, NP10	Water Pumping Stations	Industrial Features



ID	Location	Company	Address	Activity	Category
J	233m NE	Gas Governor	Gwent, NP10	Gas Features	Infrastructure and Facilities
K	236m E	G24 Power	G Cell, Imperial Park, Coedkernew, Newport, Gwent, NP10 8AS	Electrical Motors and Generators	Industrial Products
J	238m NE	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
K	239m E	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities
L	242m W	Electricity Sub Station	Gwent, NP10	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

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

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

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

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

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

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 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.

4.6 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 29 >](#)

ID	Location	Company	Address	Operational status	Tier
A	On site	IQE Silicon Compounds Limited	IQE Silicon Compounds Limited, Newport, Imperial Park, Celtic Way, Newport, Gwent, NP10 8BE	Current COMAH Site	COMAH Lower Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 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.

4.8 Hazardous substance storage/usage

Records within 500m**1**

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.

Features are displayed on the Current industrial land use map on [page 29 >](#)



ID	Location	Details	
9	199m W	Application reference number: No Details Application status: Approved Application date: No Details Address: IQE Silicon Compounds Ltd, Unit 12-21, Celtic Way, Celtic Lakes, Newport, Gwent, Wales, NP10 8UW	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	6
----------------------------	----------

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.

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Details	
D	96m SW	Operator: Lg Philips Displays Wales Ltd Address: Imperial Park, Newport, Gwent, NP10 8ZY Process: Inorganic Chemical Processes Permit Number: AZ5537	Original Permit Number: IPCAPP Date Approved: 21-10-1997 Effective Date: 22-10-1997 Status: Superseded By Variation
D	96m SW	Operator: Lg Philips Displays Wales Ltd Address: Imperial Park, Newport, Gwent, NP10 8ZY Process: Processes Involving Halogens Permit Number: BA3870	Original Permit Number: IPCAPP Date Approved: 29-4-1998 Effective Date: 30-4-1998 Status: Superseded By Variation
D	96m SW	Operator: Lg Philips Displays Wales Ltd Address: Imperial Park, Newport, Gwent, NP10 8ZY Process: Inorganic Chemical Processes Permit Number: BA3888	Original Permit Number: IPCMAJVAR Date Approved: 23-3-1998 Effective Date: 27-3-1998 Status: Superseded By Variation
D	96m SW	Operator: Lg Philips Displays Wales Ltd Address: Imperial Park, Newport, Gwent, NP10 8ZY Process: Processes Involving Halogens Permit Number: BE2646	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
D	96m SW	Operator: Lg Philips Displays Wales Ltd Address: Imperial Park, Newport, Gwent, NP10 8ZY Process: Inorganic Chemical Processes Permit Number: BE2654	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
D	96m SW	Operator: Lg Philips Displays Wales Ltd Address: Imperial Park, Newport, Gwent, NP10 8ZY Process: Processes Involving Halogens Permit Number: BG7916	Original Permit Number: IPCMINVAR Date Approved: 22-9-1999 Effective Date: 27-9-1999 Status: Revoked

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



4.10 Licensed industrial activities (Part A(1))

Records within 500m

12

Records of Part A(1) 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 29](#) >

ID	Location	Details	
A	111m W	Operator: IQE Silicon Compounds Ltd Installation Name: Newport Semiconductor Facility Process: - Permit Number: AB3893FZ Original Permit Number: -	EPR Reference: - Issue Date: 28/02/2019 Effective Date: 28/02/2019 Last date noted as effective: 21/03/2023 Status: Effective
A	111m W	Operator: IQE Silicon Compounds Ltd Installation Name: Newport Semiconductor Facility Process: MANUFACTURING USING, AND POSSIBLY CAUSING EMISSIONS OF, LEAD Permit Number: AB3893FZ Original Permit Number: -	EPR Reference: - Issue Date: 28/02/2019 Effective Date: 28/02/2019 Last date noted as effective: 21/03/2023 Status: Effective
I	203m NW	Operator: VANTAGE DATA CENTERS UK LTD Installation Name: NEWPORT DATA CENTRE Process: BURNING ANY FUEL IN AN APPLIANCE WITH A RATED THERMAL INPUT OF 50 OR MORE MEGAWATTS Permit Number: BB3599CW Original Permit Number: -	EPR Reference: - Issue Date: 01/07/2021 Effective Date: 01/07/2021 Last date noted as effective: 01/12/2022 Status: EFFECTIVE
I	203m NW	Operator: Vantage Data Centers UK Ltd Installation Name: Newport Data Centre Process: BURNING ANY FUEL IN AN APPLIANCE WITH A RATED THERMAL INPUT OF 50 OR MORE MEGAWATTS Permit Number: BB3599CW Original Permit Number: -	EPR Reference: - Issue Date: 07/12/2022 Effective Date: 07/12/2022 Last date noted as effective: 21/03/2023 Status: Effective
K	235m E	Operator: SURFACE TECHNOLOGY SYSTEMS PLC Installation Name: - Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: BU5402 Original Permit Number: BJ6747	EPR Reference: - Issue Date: 01/04/2003 Effective Date: 01/04/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



ID	Location	Details	
K	235m E	Operator: SURFACE TECHNOLOGY SYSTEMS PLC Installation Name: - Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: BJ6747 Original Permit Number: BJ6747	EPR Reference: - Issue Date: - Effective Date: 08/04/2002 Last date noted as effective: 03/10/2005 Status: SUPERSEDED BY VARIATION
K	235m E	Operator: SURFACE TECHNOLOGY SYSTEMS PLC Installation Name: - Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: BS8672 Original Permit Number: BJ6747	EPR Reference: - Issue Date: - Effective Date: 12/08/2002 Last date noted as effective: 03/10/2005 Status: SUPERSEDED BY VARIATION
K	235m E	Operator: SPP PROCESS TECHNOLOGY SYSTEMS UK LIMITED Installation Name: SPTS TECHNOLOGIES LIMITED Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: MP3033ZL Original Permit Number: YP3536KV	EPR Reference: - Issue Date: 22/02/2013 Effective Date: 22/02/2013 Last date noted as effective: 17/11/2015 Status: SURRENDER EFFECTIVE
K	235m E	Operator: SPP PROCESS TECHNOLOGY SYSTEMS UK LIMITED Installation Name: IMPERIAL PARK SEMICONDUCTOR EQUIPMENT PLANT EA/EPR/YP3536KV/T001 Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: YP3536KV Original Permit Number: YP3536KV	EPR Reference: - Issue Date: 18/03/2010 Effective Date: 18/03/2010 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
K	235m E	Operator: SURFACE TECHNOLOGIES SYSTEMS PLC Installation Name: COEDKERNEW SEMI-CONDUCTOR GROWTH KIT MANUFACTURER Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: BJ6747IZ Original Permit Number: BJ6747IZ	EPR Reference: - Issue Date: 08/04/2002 Effective Date: 08/04/2002 Last date noted as effective: 17/11/2015 Status: SUPERCEDED
K	235m E	Operator: SURFACE TECHNOLOGIES SYSTEMS PLC Installation Name: COEDKERNEW SEMI-CONDUCTOR GROWTH KIT MANUFACTURER Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: BS8672IP Original Permit Number: BJ6747IZ	EPR Reference: - Issue Date: 08/08/2002 Effective Date: 12/08/2002 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



ID	Location	Details	
K	235m E	Operator: SURFACE TECHNOLOGIES SYSTEMS PLC Installation Name: COEDKERNEW SEMI-CONDUCTOR GROWTH KIT MANUFACTURER Process: INORGANIC CHEMICALS; USING HALOGENS ETC IF RELEASE TO AIR/WATER (UNLESS OTHERWISE PRESCRIBED) (UNLESS CHLORINATION OF WATER) Permit Number: BU5402IN Original Permit Number: BJ6747IZ	EPR Reference: - Issue Date: 01/04/2003 Effective Date: 01/04/2003 Last date noted as effective: 17/11/2015 Status: SUPERCEDED

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

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

Records within 500m	1
----------------------------	----------

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 29 >](#)

ID	Location	Address	Details	
19	423m SW	Quinn Radiators Ltd (QRL), Imperial Park, Newport, South Wales, NP10 8ZY	Process: Coating Processes Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	5
----------------------------	----------

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

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Address	Details	
E	135m NE	Dmi Synthesis Ltd, Imperial House, imperial Park, celtic Lakes, Newport, Gwent, NP10 8UH	Operator: Dmi Synthesis Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BI0904 Date of approval: 29/03/2000	Effective from: 29/03/2000 Last date of update: 01/01/2015 Status: Revoked/cancelled



ID	Location	Address	Details	
E	135m NE	Dmi Synthesis Ltd, Imperial House, Imperial Park, Celtic Lakes, Newport, Gwent, NP10 8UH	Operator: Dmi Synthesis Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BI1846 Date of approval: 08/05/2000	Effective from: 08/05/2000 Last date of update: 01/01/2015 Status: Superseded By Variation
E	135m NE	Dmi Synthesis Ltd, Imperial House, Imperial Park, Celtic Lakes, Newport, Gwent, NP10 8UH	Operator: Dmi Synthesis Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BI1846 Date of approval: 22/03/2002	Effective from: 19/04/2002 Last date of update: 01/01/2015 Status: Revoked/cancelled
E	135m NE	Bowman Research Ltd, Imperial House, Imperial Park, Celtic Lakes, Newport, Gwent, NP10 8UH	Operator: Bowman Research Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BY7032 Date of approval: 21/12/2004	Effective from: 18/01/2005 Last date of update: 01/01/2015 Status: Revoked/cancelled
E	135m NE	Bowman Research Ltd, Imperial House, Imperial Park, Celtic Lakes, Newport, Gwent, NP10 8UH	Operator: Bowman Research Ltd Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BY7067 Date of approval: 21/12/2004	Effective from: 21/12/2004 Last date of update: 01/01/2015 Status: Revoked/cancelled

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

4.13 Licensed Discharges to controlled waters

Records within 500m

16

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

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Address	Details	
E	181m NE	PENCARN LANE STW	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AN0179001 Permit Version: 1 Receiving Water: SOAKAWAY	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 19/10/1989 Effective Date: 19/10/1989 Revocation Date: 31/03/2007
F	184m S	CELTIC LAKES DEVELOPMENT DYFFRYN N, CELTIC LAKES DEVELOPMENT DYFFRY, DYFFRYN NEWPORT, DYFFRYN NEWPORT, NEWPORT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - NOT WATER COMPANY Permit Number: AN0228001 Permit Version: 0 Receiving Water: UNNAMED REEN	Status: Effective Issue date: 03/10/1991 Effective Date: 03/10/1991 Revocation Date: -



ID	Location	Address	Details	
F	206m S	CELTIC WAY CELTIC LAKES NEWPORT, CELTIC WAY CELTIC LAKES NEWPORT, CELTIC LAKES NEWPORT, NEWPORT, NEWPORT, NP1 9UN	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0281601 Permit Version: 0 Receiving Water: PERCOED REEN	Status: Effective Issue date: 11/05/1998 Effective Date: 11/05/1998 Revocation Date: -
10	211m SE	LITTLE PENCARN FARM PS DUFFRYN NEW, LITTLE PENCARN FARM PS DUFFRYN, DUFFRYN NEWPORT, NEWPORT	Effluent Type: UNSPECIFIED Permit Number: AN0238401 Permit Version: 1 Receiving Water: PENCOED REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 09/11/1992 Effective Date: 09/11/1992 Revocation Date: 15/08/2008
12	244m S	CELTIC WAY CELTIC LAKES NEWPORT, CELTIC WAY CELTIC LAKES NEWPORT, CELTIC LAKES NEWPORT, NEWPORT, NEWPORT, NP1 9UN	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0281501 Permit Version: 0 Receiving Water: PERCOED REEN	Status: Effective Issue date: 11/05/1998 Effective Date: 11/05/1998 Revocation Date: -
L	245m W	WESTERN VALLEY TRUNK SEWER CSO, WESTERN VALLEY TRUNK SEWER CSO, /EMERGENCY OUTFALL, CARDIFF, NP10 8SS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: AN0306001 Permit Version: 0 Receiving Water: SEVERN ESTUARY	Status: Effective Issue date: 10/10/2019 Effective Date: 10/10/2019 Revocation Date: -
L	245m W	WESTERN VALLEY TRUNK SEWER CSO, WESTERN VALLEY TRUNK SEWER CSO, /EMERGENCY OUTFALL, CARDIFF, NP10 8SS	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: AN0306001 Permit Version: 0 Receiving Water: SEVERN ESTUARY	Status: Effective Issue date: 10/10/2019 Effective Date: 10/10/2019 Revocation Date: -
13	275m S	IMPERIAL PARK 400/33KV SUBSTATION C, IMPERIAL PARK 400/33KV SUBSTATIO, SUBSTATION CELTIC WAY NEWPORT, CELTIC WAY NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: AN027930101 Permit Version: 1 Receiving Water: PERCOED REEN	Status: SURRENDERED UNDER EPR 2010 Issue date: 28/01/1998 Effective Date: 28/01/1998 Revocation Date: 13/04/2011
16	378m SE	IMPERIAL PARK (PT6) NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0269106 Permit Version: 1 Receiving Water: PERCOED REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 07/11/1996 Effective Date: 07/11/1996 Revocation Date: 09/12/1998
17	395m SE	IMPERIAL PARK (PT7) NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0269107 Permit Version: 1 Receiving Water: PERCOED REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 07/11/1996 Effective Date: 07/11/1996 Revocation Date: 09/12/1998



ID	Location	Address	Details	
M	412m S	IMPERIAL PARK (PT3) NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0269103 Permit Version: 1 Receiving Water: NANT Y MOOR REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 07/11/1996 Effective Date: 07/11/1996 Revocation Date: 01/09/1999
18	421m SE	IMPERIAL PARK (PT5) NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0269105 Permit Version: 1 Receiving Water: PERCOED REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 07/11/1996 Effective Date: 07/11/1996 Revocation Date: 09/12/1998
M	423m S	DUFFRYN 33/11KV SUBSTATION CELTIC W, DUFFRYN 33/11KV SUBSTATION CELTI, CELTIC WAY NEWPORT, NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: AN0279501 Permit Version: 0 Receiving Water: PERCOID REEN	Status: Effective Issue date: 28/01/1998 Effective Date: 28/01/1998 Revocation Date: -
20	434m S	WATER TREATMENT AREA 2 LG ELECTRONI, WATER TREATMENT AREA 2 LG ELECTR, LG ELECTRONICS PHASE 1 CELTIC LA, CELTIC LAKES NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN027790101 Permit Version: 1 Receiving Water: PERCOED REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 13/11/1997 Effective Date: 13/11/1997 Revocation Date: 29/05/2007
M	462m S	IMPERIAL PARK (PT4) NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0269104 Permit Version: 1 Receiving Water: PERCOED REEN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 07/11/1996 Effective Date: 07/11/1996 Revocation Date: 01/09/1999
21	492m S	AREA 4 - FINAL EFFLUENT WEST DUFFRY, AREA 4 - FINAL EFFLUENT WEST DUF, WEST DUFFRYN LINK ROAD NEWPORT, NEWPORT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0269704 Permit Version: 1 Receiving Water: TRIBUTARY OF THE PERCOED REEN	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 02/12/1996 Effective Date: 02/12/1996 Revocation Date: 13/08/1997

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

4.14 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.



4.15 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.

4.16 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.

4.17 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.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

20

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 29](#) >

ID	Location	Details	
D	89m SW	Incident Date: 27/05/2002 Incident Identification: 81341 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
11	225m N	Incident Date: 18/08/2003 Incident Identification: 182977 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
14	360m SW	Incident Date: 26/11/2015 Incident Identification: 1390293 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
15	361m NW	Incident Date: 10/06/2016 Incident Identification: 1603199 Pollutant: - Pollutant Description: -	Water Impact: - Land Impact: - Air Impact: -
N	450m W	Incident Date: 19/10/2001 Incident Identification: 37688 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 20756 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15016 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 06/09/2001 Incident Identification: 29500 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 06/09/2001 Incident Identification: 29498 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 06/09/2001 Incident Identification: 31134 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 06/09/2001 Incident Identification: 31132 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15019 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15016 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15019 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15056 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15062 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15069 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15086 Pollutant: Inorganic Chemicals/Products Pollutant Description: Heavy Metals	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	473m W	Incident Date: 03/07/2001 Incident Identification: 15082 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
M	489m S	Incident Date: 02/05/2014 Incident Identification: 1232399 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: - Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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



4.19 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.

4.20 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.

4.21 Pollution inventory radioactive waste

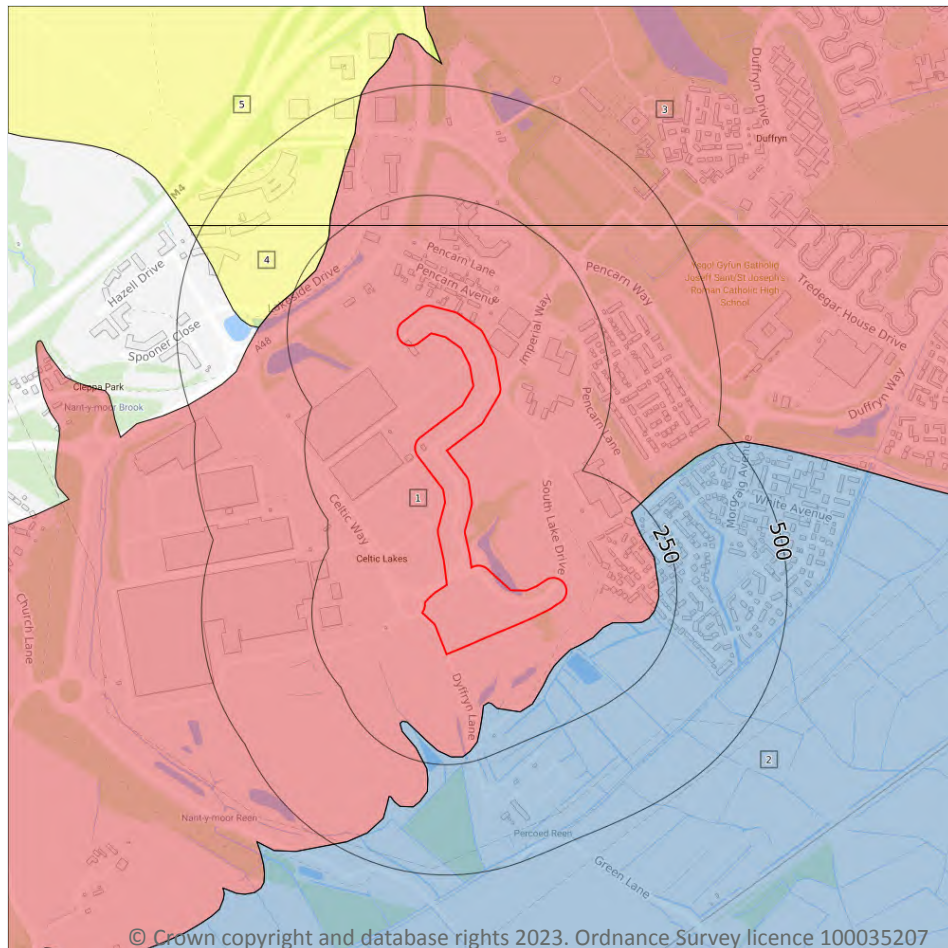
Records within 500m

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

5

Aquifer status of groundwater held within superficial geology.

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

ID	Location	Designation	Description
1	On site	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
2	103m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

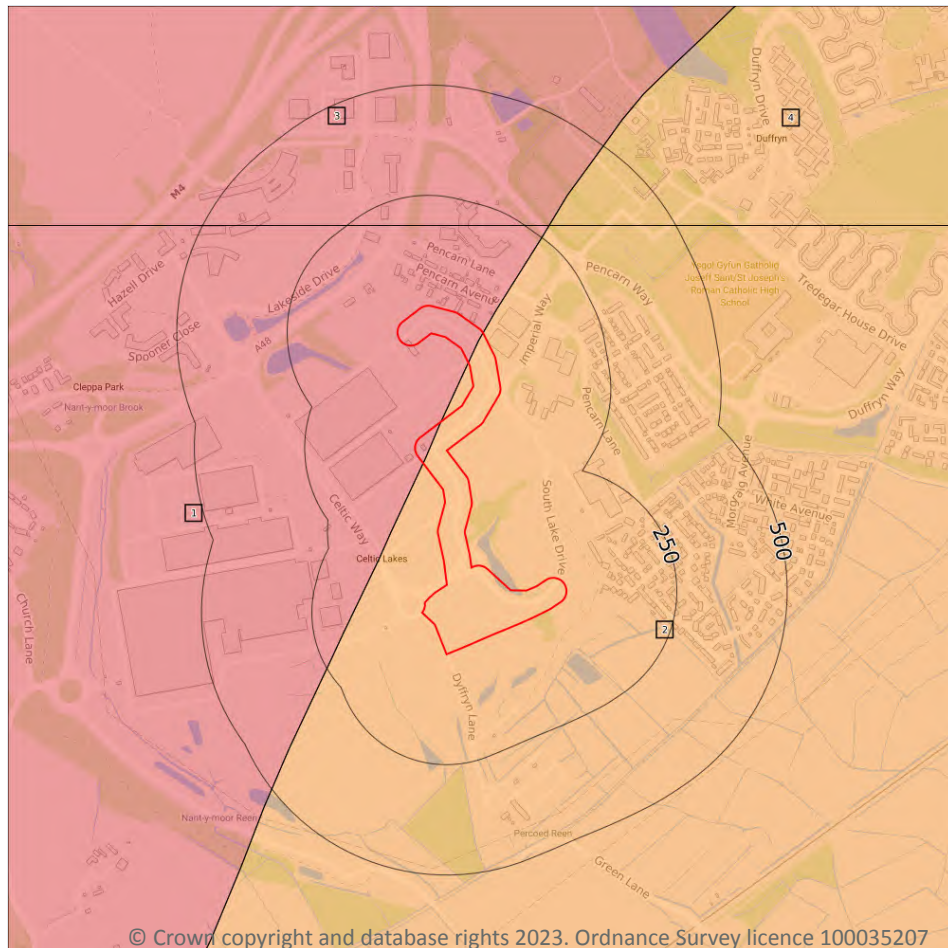


ID	Location	Designation	Description
3	182m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	227m NW	Secondary 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
5	274m NW	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

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 46](#) >

ID	Location	Designation	Description
1	On site	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
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

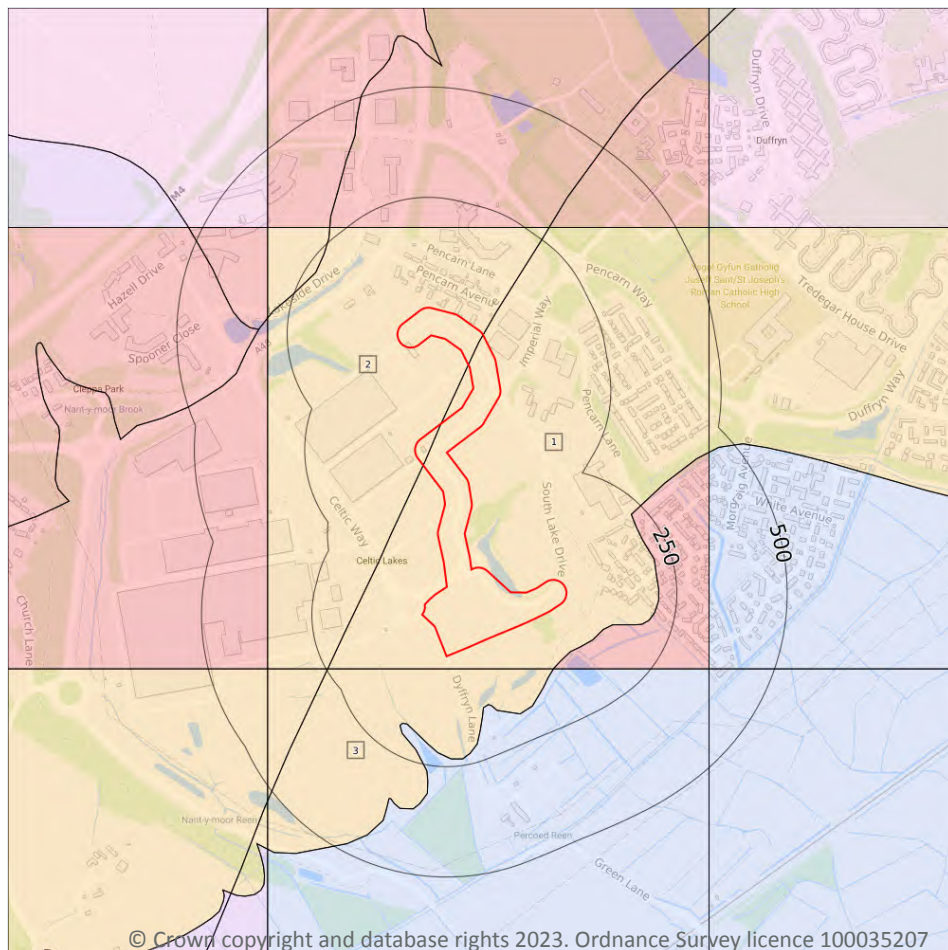


ID	Location	Designation	Description
3	182m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	282m N	Secondary 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

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



Groundwater vulnerability



— Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m

3

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 48](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	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: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary 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: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	28m S	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary 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

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

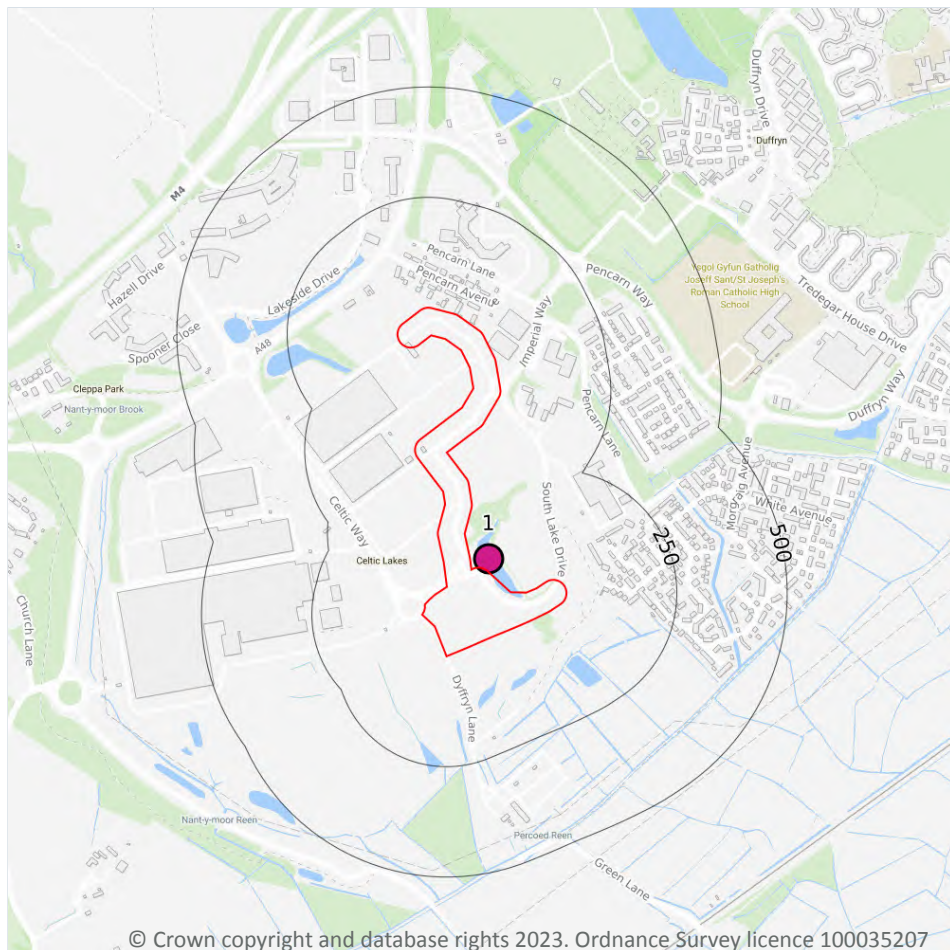
0

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
- 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 50 >](#)

ID	Location	Details	
1	25m S	Status: Historical Licence No: 20/56/71/0011 Details: Make-Up or Top Up Water Direct Source: EAW Groundwater Point: BOREHOLE AT CELTIC LAKES Data Type: Point Name: Hynix Semiconductor Wales Ltd Easting: 328500 Northing: 184250	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 101 Version Start Date: 01/09/1999 Version End Date: -
-	1231m N	Status: Historical Licence No: 20/56/61/0002 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT GRAIG FARM Data Type: Point Name: Baker Easting: 327950 Northing: 185980	Annual Volume (m ³): 29.55 Max Daily Volume (m ³): 0.699 Original Application No: - Original Start Date: 15/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/09/2006 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)

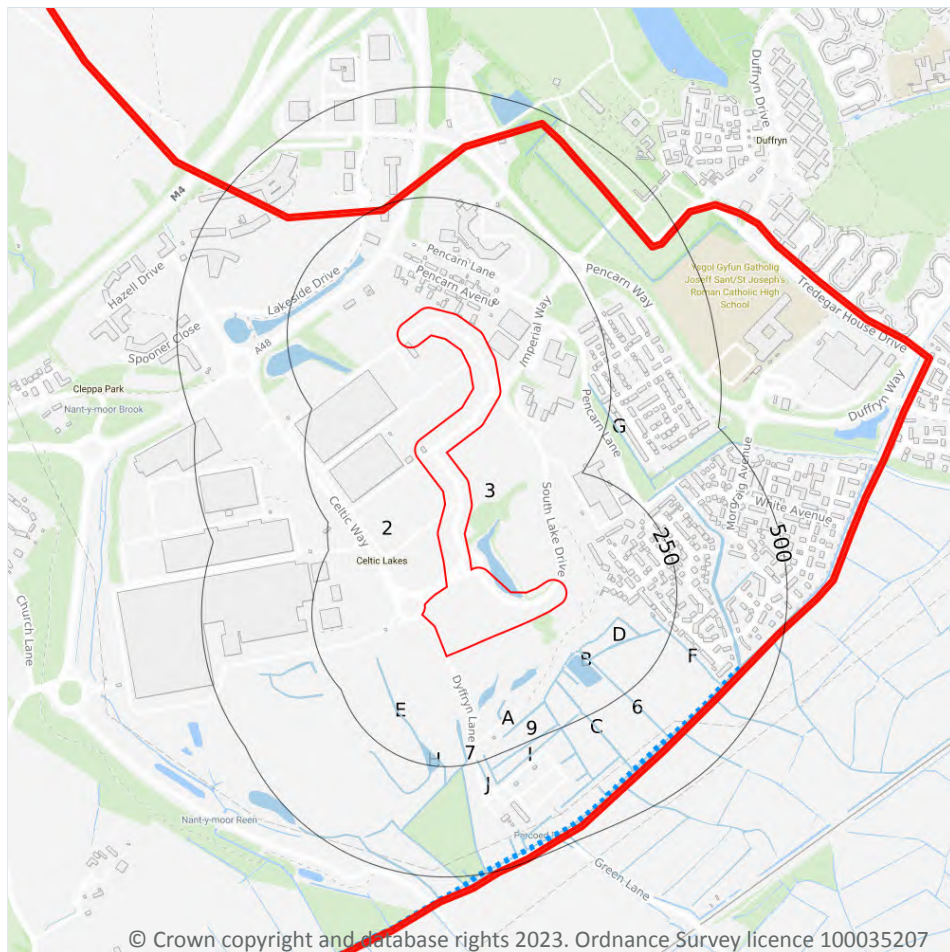
Records within 500m	0
---------------------	---

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

29

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

Features are displayed on the Hydrology map on [page 53](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
D	107m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
B	108m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	109m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	112m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	125m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	131m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	131m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	141m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	141m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	141m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	143m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	146m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	146m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	146m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
D	165m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
D	169m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	180m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	180m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	189m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	196m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	199m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	201m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	237m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	237m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	237m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	238m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	241m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
H	242m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	244m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	16
----------------------------	-----------

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.

Features are displayed on the Hydrology map on [page 53 >](#)

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 53 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River WB catchment	Broadway Reen - source to R Severn Estuary	GB109056073370	Reens West	South East Valleys

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.

Features are displayed on the Hydrology map on [page 53 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
19	389m SE	River	Broadway Reen - source to R Severn Estuary	GB109056073370	Moderate	Good	Moderate	2016

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.

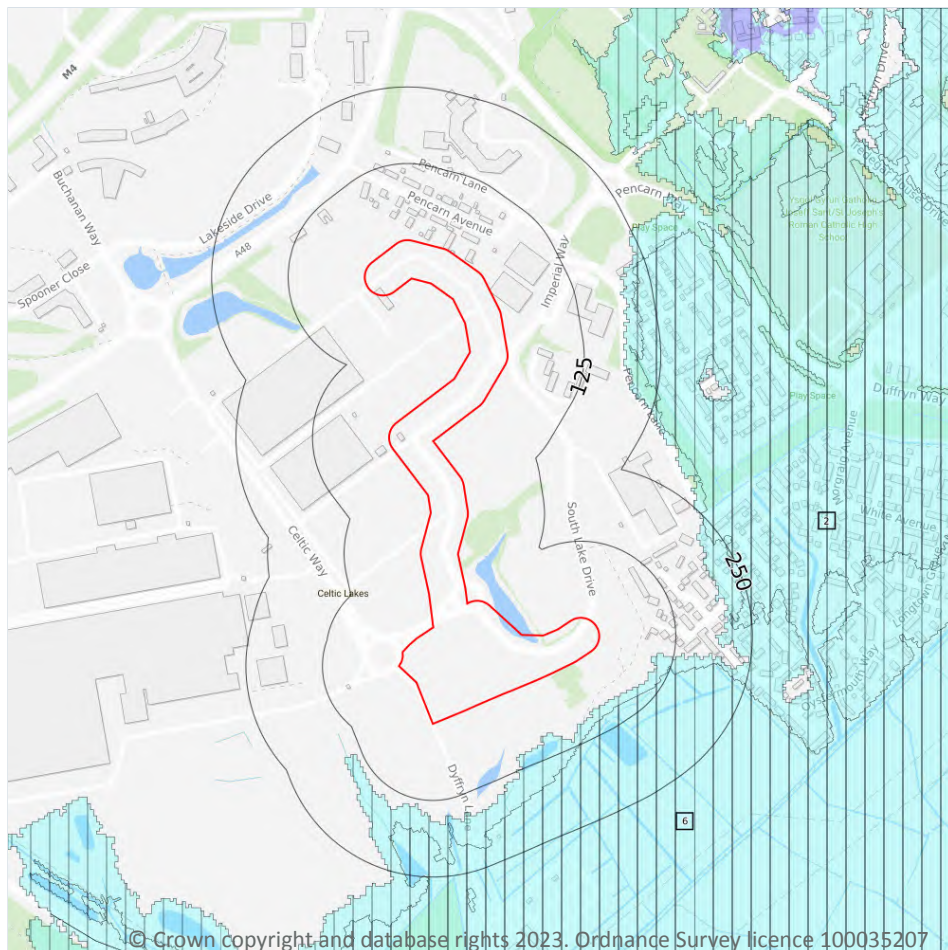
Features are displayed on the Hydrology map on [page 53 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
3	On site	SE Valleys Southern Devonian Old Red Sandstone & Triassic Mercia Mudstone	GB40902G201500	Good	Good	Good	2017

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

0

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).

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

2

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.

Features are displayed on the River and coastal flooding map on [page 58](#) >

ID	Location	
2	81m SE	Area benefiting from flood defences
6	96m SE	Area benefiting from flood defences

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

7.6 Flood Zone 2

Records within 50m

0

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.

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

7.7 Flood Zone 3

Records within 50m

0

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.

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 30 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 61](#) >

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.

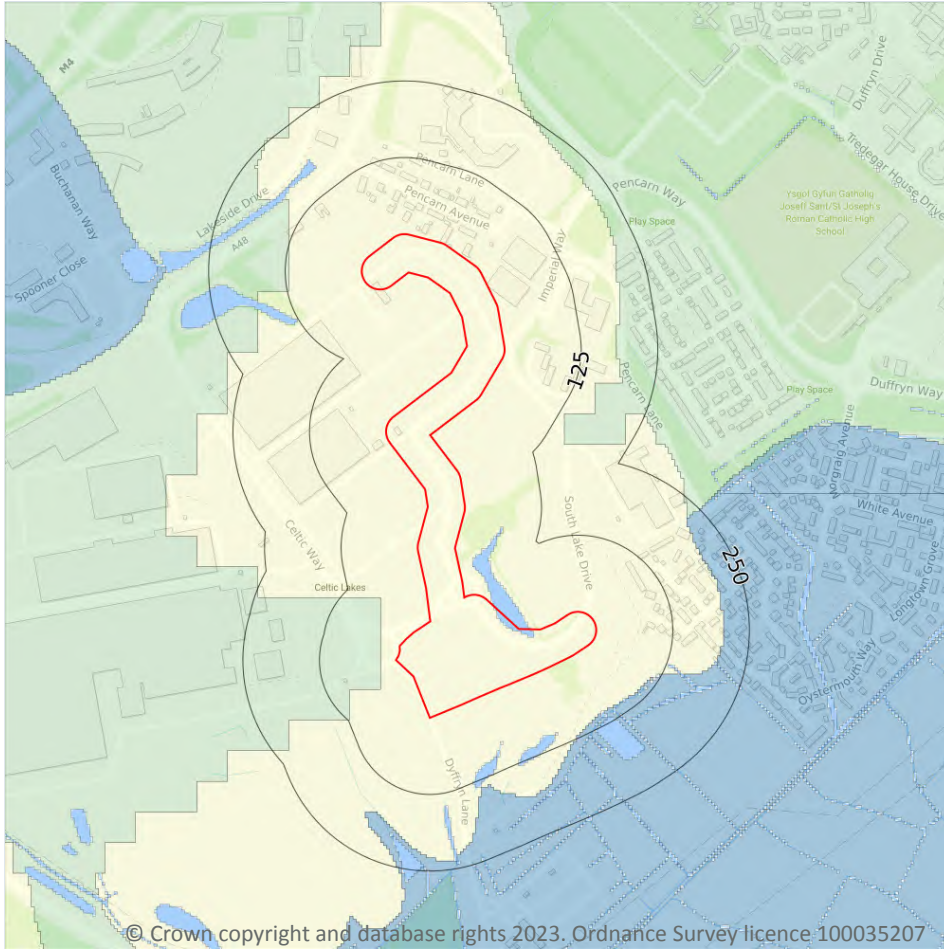
The table below shows the maximum flood depths for a range of return periods for the site.

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	Between 0.3m and 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

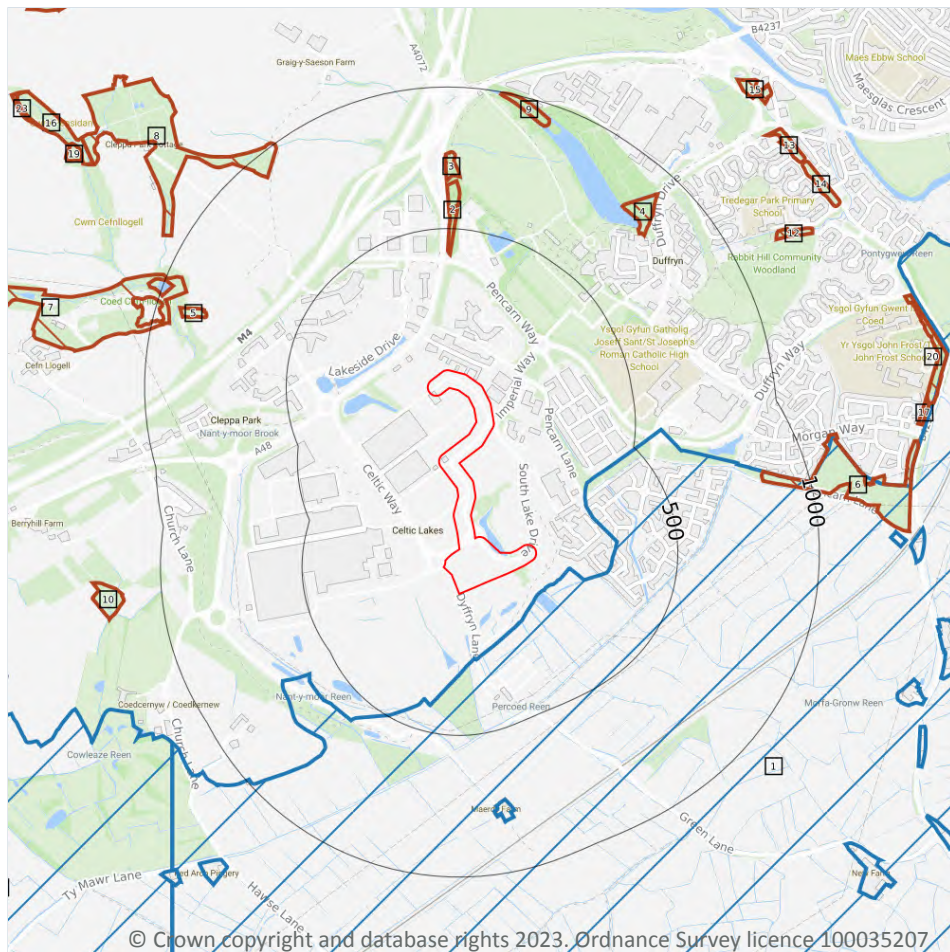
Moderate

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 63 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- Conserved wetland sites (Ramsar sites)
- Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

4

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.

Features are displayed on the Environmental designations map on [page 64](#) >

ID	Location	Name	Data source
1	106m SE	Gwent Levels - St. Brides	Natural Resources Wales



ID	Location	Name	Data source
11	1142m SW	Gwent Levels - St. Brides	Natural Resources Wales
-	1626m S	Gwent Levels - St. Brides	Natural Resources Wales
-	1916m SW	Gwent Levels - St. Brides	Natural Resources Wales

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

25

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.

Features are displayed on the Environmental designations map on [page 64 >](#)

ID	Location	Name	Woodland Type
2	409m N	Unknown	Ancient Semi Natural Woodland
3	669m N	Unknown	Ancient Semi Natural Woodland
4	775m NE	Unknown	Restored Ancient Woodland Site
5	819m NW	Unknown	Ancient Semi Natural Woodland
6	839m E	Unknown	Restored Ancient Woodland Site
7	914m NW	Unknown	Restored Ancient Woodland Site
8	921m NW	Unknown	Restored Ancient Woodland Site
9	921m N	Unknown	Ancient Semi Natural Woodland
10	1135m W	Unknown	Ancient Semi Natural Woodland
12	1161m NE	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
13	1340m NE	Unknown	Ancient Semi Natural Woodland
14	1371m NE	Unknown	Restored Ancient Woodland Site
15	1394m NE	Unknown	Restored Ancient Woodland Site
16	1413m NW	Unknown	Restored Ancient Woodland Site
17	1422m E	Unknown	Ancient Woodland Site of Unknown Category
-	1432m N	Unknown	Ancient Semi Natural Woodland
19	1456m NW	Unknown	Ancient Semi Natural Woodland
20	1481m E	Unknown	Restored Ancient Woodland Site
-	1621m NW	Unknown	Plantation on Ancient Woodland Site
23	1637m NW	Unknown	Restored Ancient Woodland Site
A	1817m NW	Unknown	Ancient Semi Natural Woodland
A	1845m NW	Unknown	Ancient Semi Natural Woodland
-	1851m NW	Unknown	Restored Ancient Woodland Site
-	1851m NW	Unknown	Ancient Semi Natural Woodland
-	1867m N	Unknown	Ancient Semi Natural Woodland

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

0

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.

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

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.

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

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

0

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.



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

11.5 Conservation Areas

Records within 250m

0

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.

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

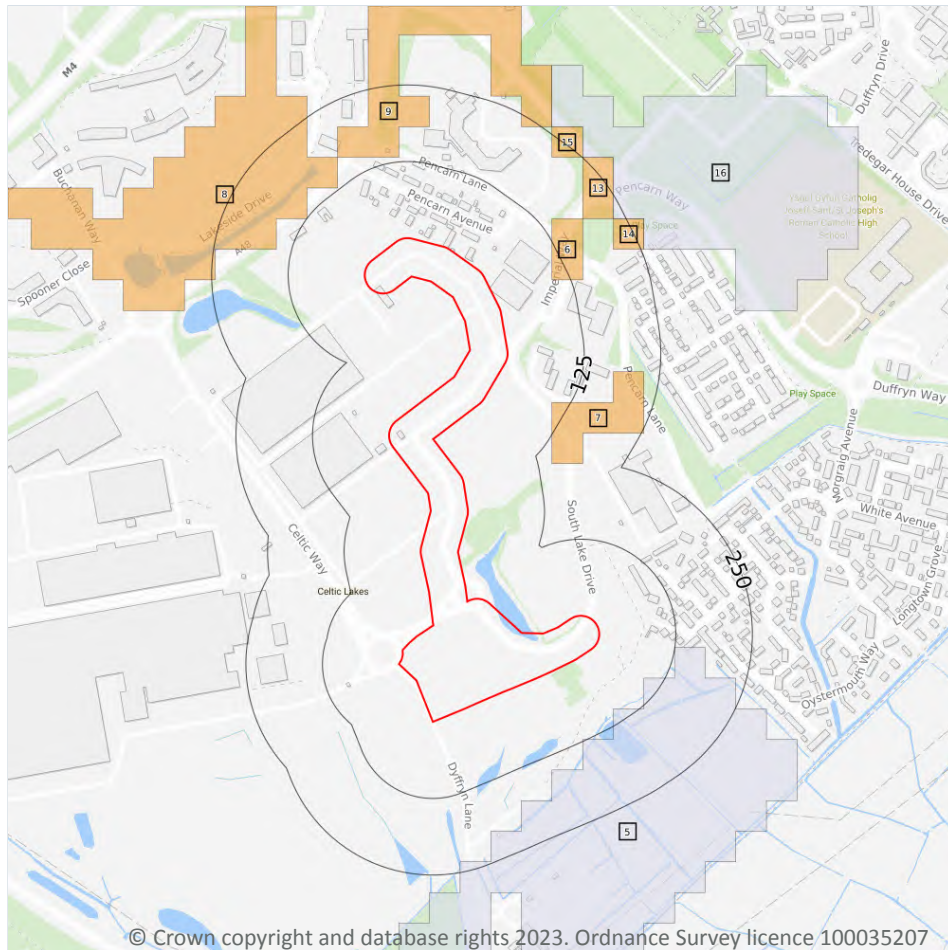
Records within 250m

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 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

9

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 73](#) >

ID	Location	Classification	Description
5	96m SE	Grade 3b	Moderate quality agricultural land
6	97m N	Grade 2	Good quality agricultural land
7	99m NE	Grade 2	Good quality agricultural land



ID	Location	Classification	Description
8	125m NW	Grade 2	Good quality agricultural land
9	132m N	Grade 2	Good quality agricultural land
13	187m NE	Grade 2	Good quality agricultural land
14	209m NE	Grade 2	Good quality agricultural land
15	220m N	Grade 2	Good quality agricultural land
16	231m NE	Grade 3b	Moderate quality agricultural land

This data is sourced from Natural Resources Wales.

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

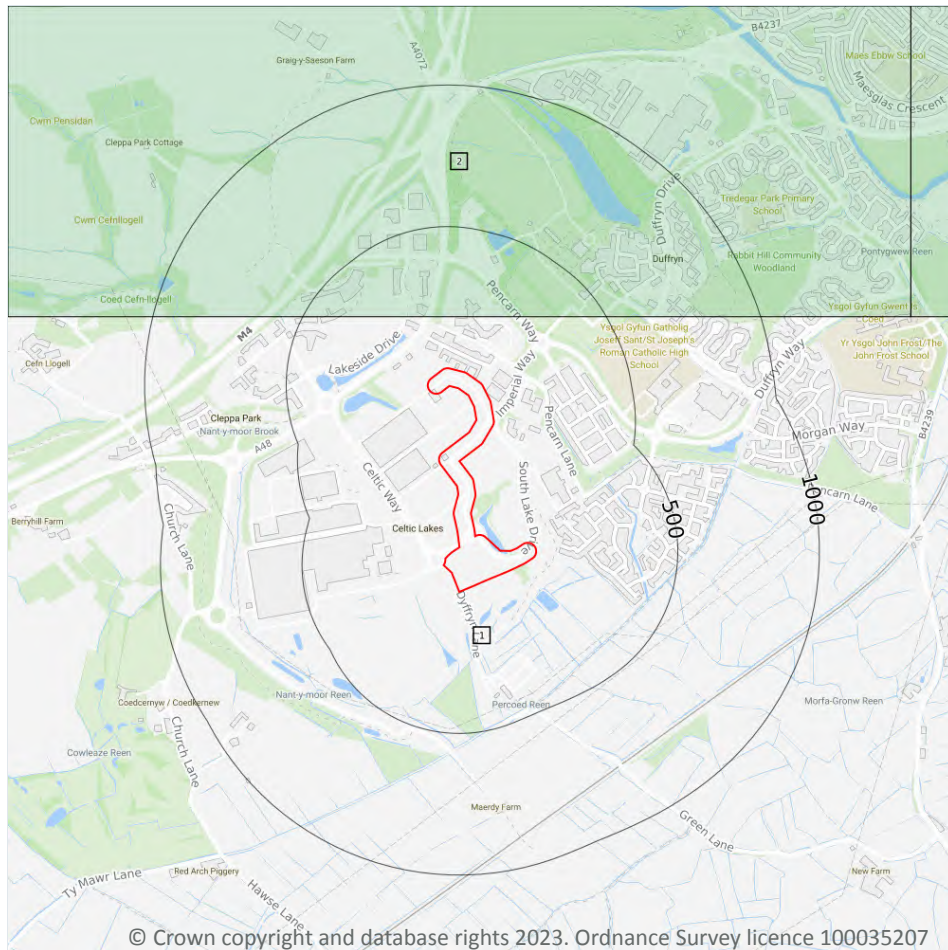
0

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

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 77](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	No coverage	No coverage	No coverage	NoCov
2	182m N	No coverage	Full	Full	No coverage	ST28NE

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

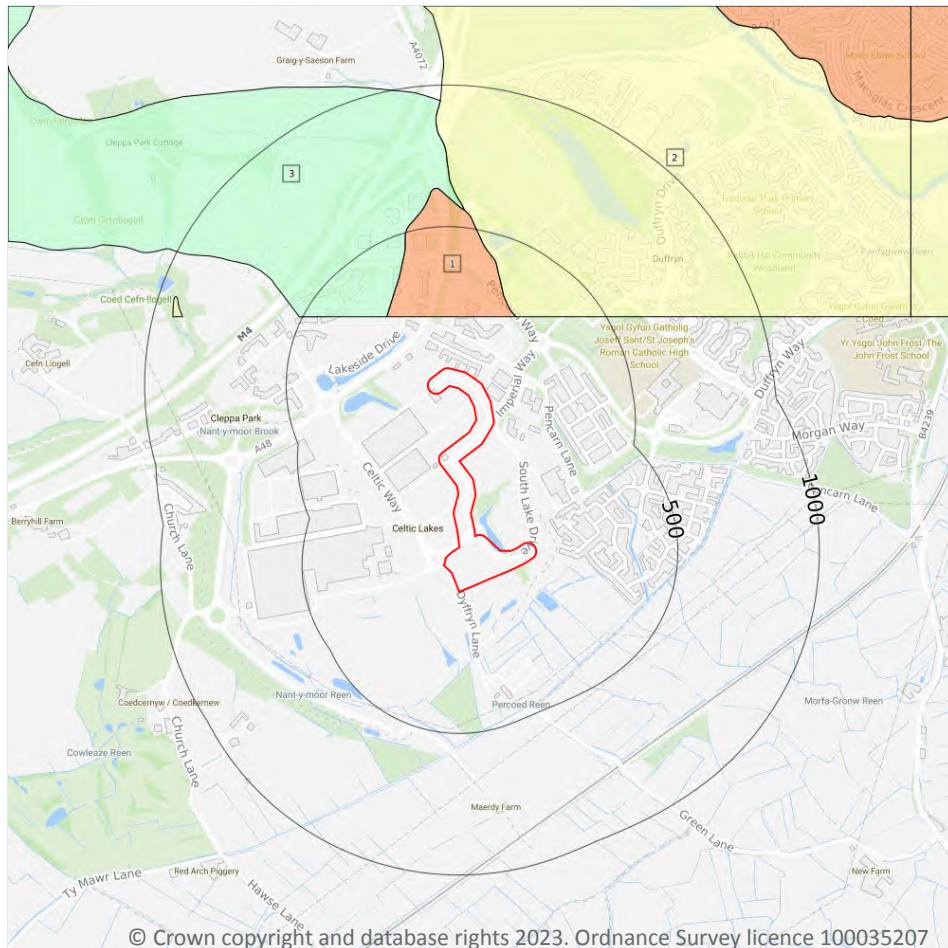
0

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

3

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 79](#) >

ID	Location	LEX Code	Description	Rock description
1	182m N	KRT-XSV	Kidderminster Station Member - Sand And Gravel	Sand And Gravel
2	263m N	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	269m NW	HMGDD-XCSV	Hummocky (moundy) Glacial Deposits, Devensian - Clay, Sand And Gravel	Clay, Sand And Gravel



This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

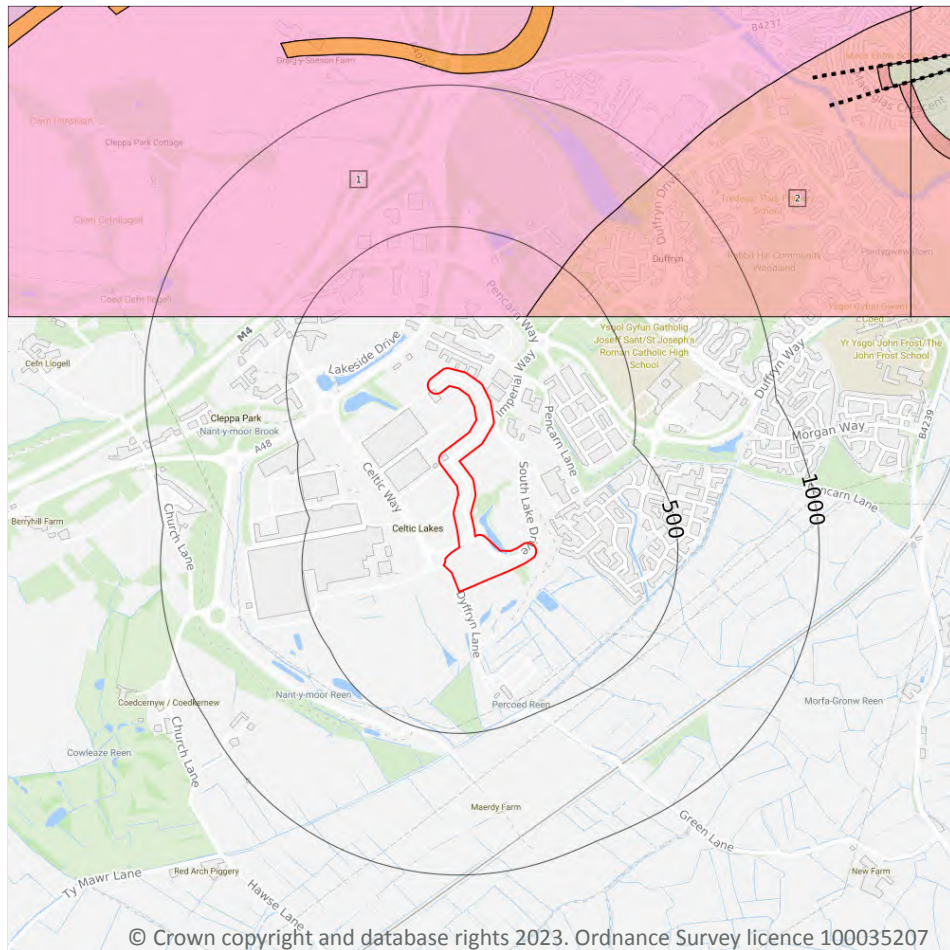
0

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

2

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 81](#) >

ID	Location	LEX Code	Description	Rock age
1	182m N	SMG-ARSD	St Maughans Formation - Interbedded Argillaceous Rocks And [subequal/subordinate] Sandstone	Early Devonian Epoch
2	285m N	MMG-MDST	Mercia Mudstone Group - Mudstone	Rhaetian Age - Early Triassic Epoch

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

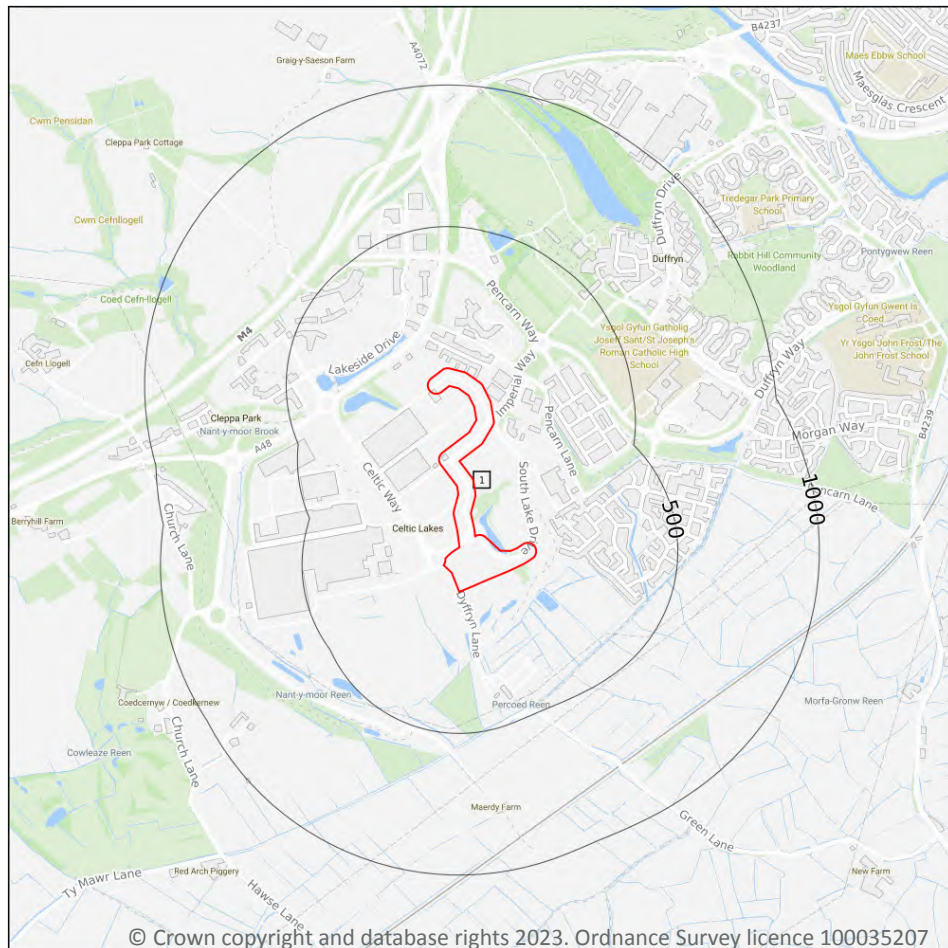
0

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. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 83](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW249_newport_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

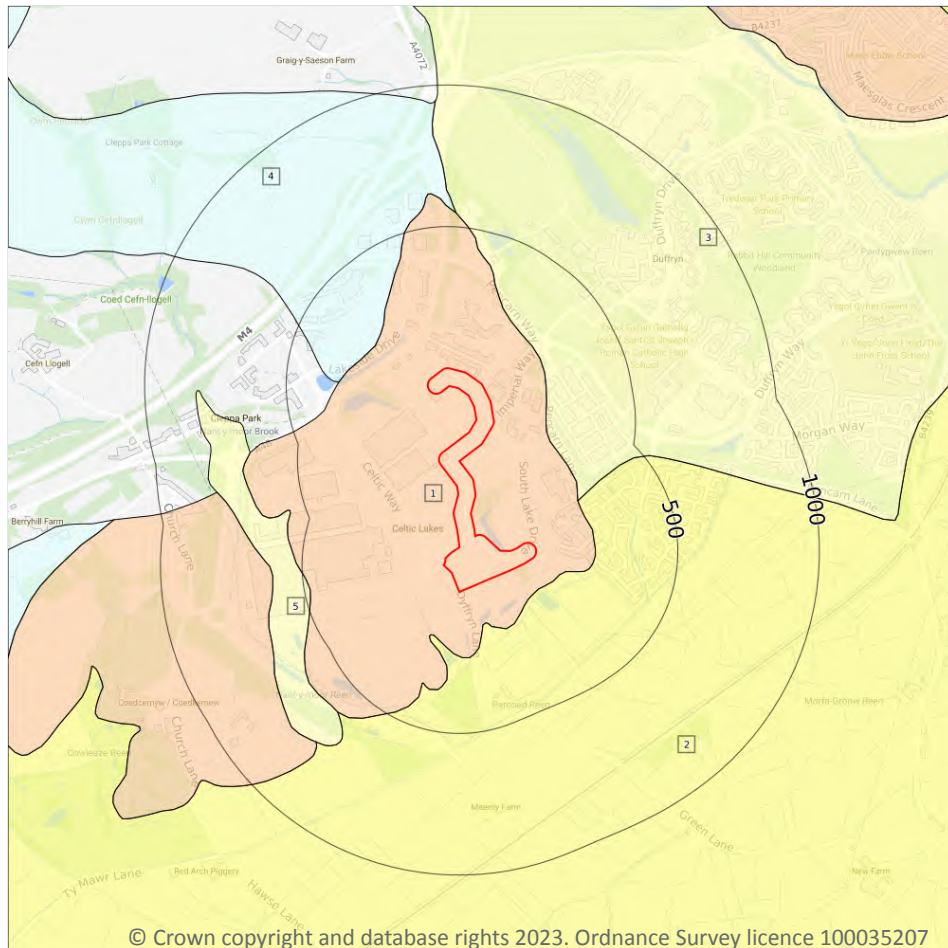
0

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

5

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 85](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	RTDU-XSV	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL
2	103m SE	TFD-XCZ	TIDAL FLAT DEPOSITS	CLAY AND SILT
3	184m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	227m NW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON



ID	Location	LEX Code	Description	Rock description
5	479m SW	ALV-XCZSV	ALLUVIUM	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	Very High	High

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)

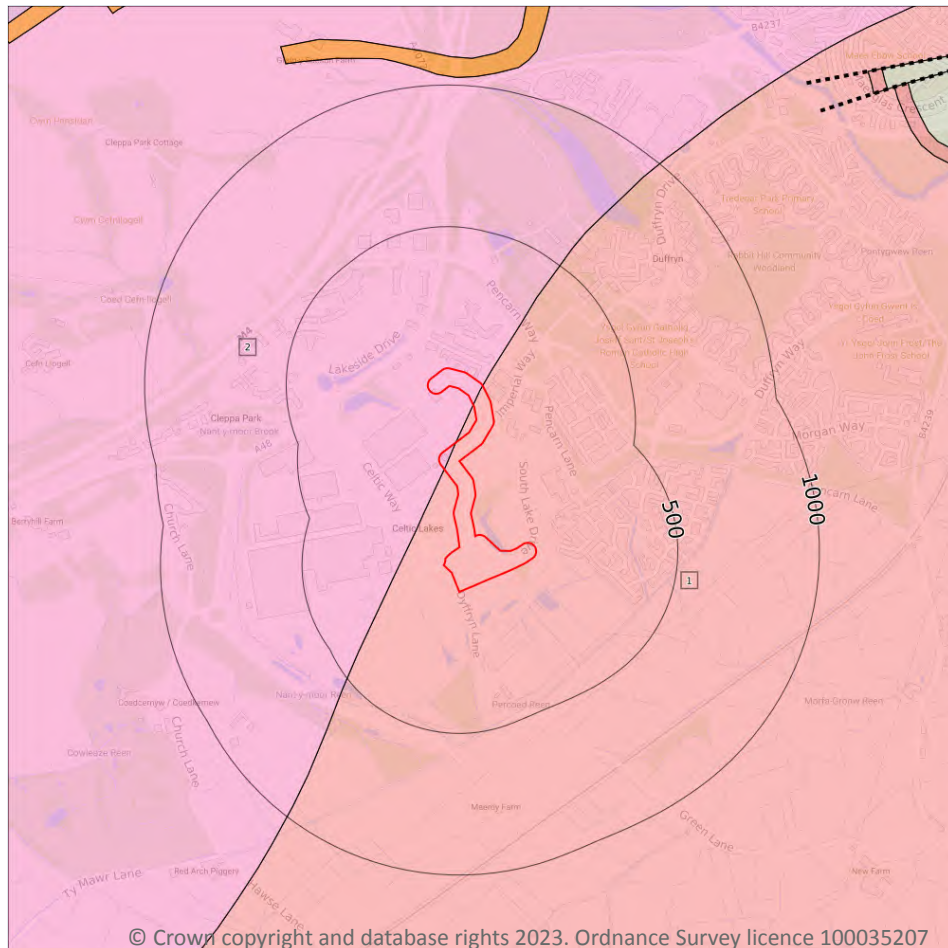
Records within 50m	0
---------------------------	----------

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.

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 87](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	MMG-MDST	MERCIA MUDSTONE GROUP - MUDSTONE	-
2	On site	SMG-ARSD	ST MAUGHANS FORMATION - ARGILLACEOUS ROCKS AND [SUBEQUAL/SUBORDINATE] SANDSTONE, INTERBEDDED	-

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m**2**

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	Moderate	Low
On site	Fracture	Low	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

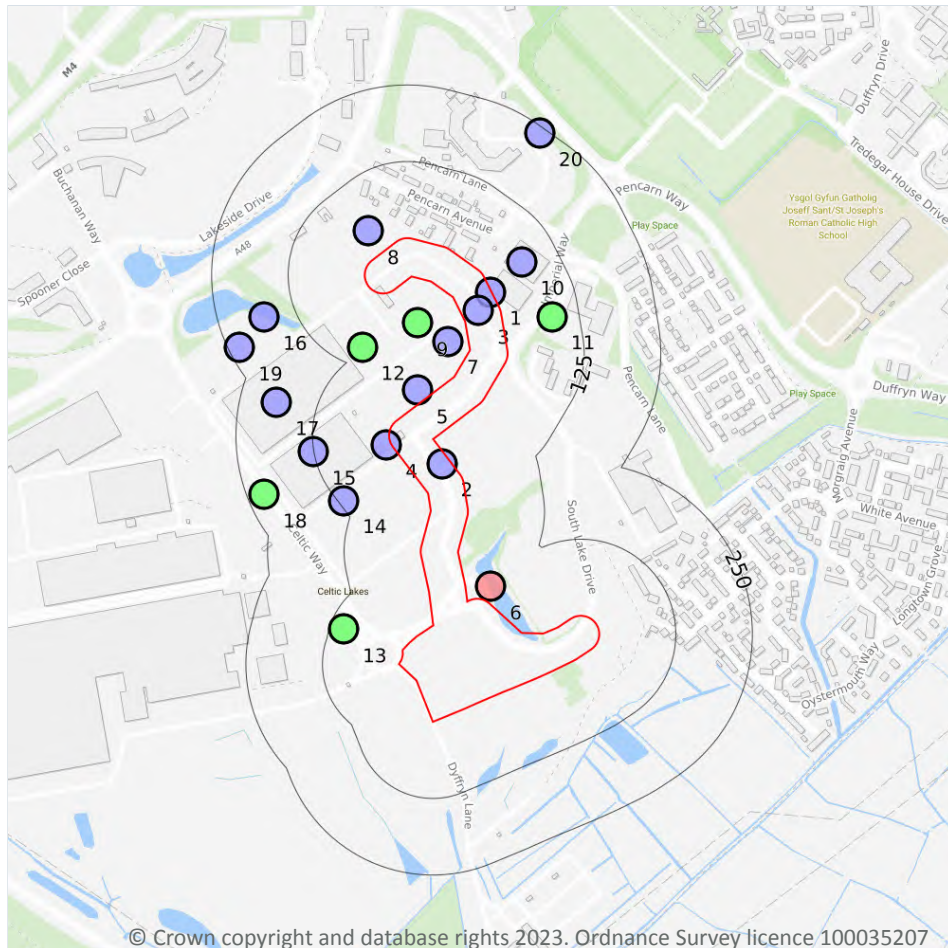
Records within 500m**0**

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

20

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 89](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	328500 184730	DUFFRYN FARM NEWPORT GWENT TP 1	3.0	N	15951518 ↗
2	On site	328420 184450	DUFFRYN FARM NEWPORT GWENT 7	9.0	N	15951504 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	On site	328480 184700	DUFFRYN FARM NEWPORT GWENT 13	8.5	N	15951516 ↗
4	8m NW	328330 184480	DUFFRYN FARM NEWPORT GWENT TP 4	2.0	N	15951524 ↗
5	19m N	328380 184570	DUFFRYN FARM NEWPORT GWENT TP 3	2.5	N	15951522 ↗
6	25m S	328500 184250	CELTIC LAKES NEWPORT	50.0	N	383251 ↗
7	33m N	328430 184650	DUFFRYN FARM NEWPORT GWENT TP 2	2.5	N	15951521 ↗
8	42m N	328300 184830	DUFFRYN FARM NEWPORT GWENT 11	8.5	N	15951513 ↗
9	66m N	328380 184680	DUFFRYN FARM NEWPORT GWENT 12	14.5	N	15951514 ↗
10	66m N	328550 184780	DUFFRYN FARM NEWPORT GWENT 1	10.0	N	15951486 ↗
11	81m NE	328600 184690	DUFFRYN FARM NEWPORT GWENT 6	11.0	N	15951501 ↗
12	93m NW	328290 184640	DUFFRYN FARM NEWPORT GWENT 5	20.2	N	15951497 ↗
13	102m SW	328260 184180	DUFFRYN FARM NEWPORT GWENT 8	12.0	N	15951507 ↗
14	117m W	328260 184390	DUFFRYN FARM NEWPORT GWENT 2	10.0	N	15951490 ↗
15	126m W	328210 184470	DUFFRYN FARM NEWPORT GWENT TP 5	1.5	N	15951525 ↗
16	176m NW	328130 184690	DUFFRYN FARM NEWPORT GWENT 10	9.0	N	15951511 ↗
17	191m NW	328150 184550	DUFFRYN FARM NEWPORT GWENT TP 6	2.5	N	15951526 ↗
18	223m W	328130 184400	DUFFRYN FARM NEWPORT GWENT 9	14.5	N	15951509 ↗
19	232m NW	328090 184640	DUFFRYN FARM NEWPORT GWENT TP 7	2.65	N	15951527 ↗
20	241m N	328580 184990	ST2984 21	9.7	N	383243 ↗

This data is sourced from the British Geological Survey.



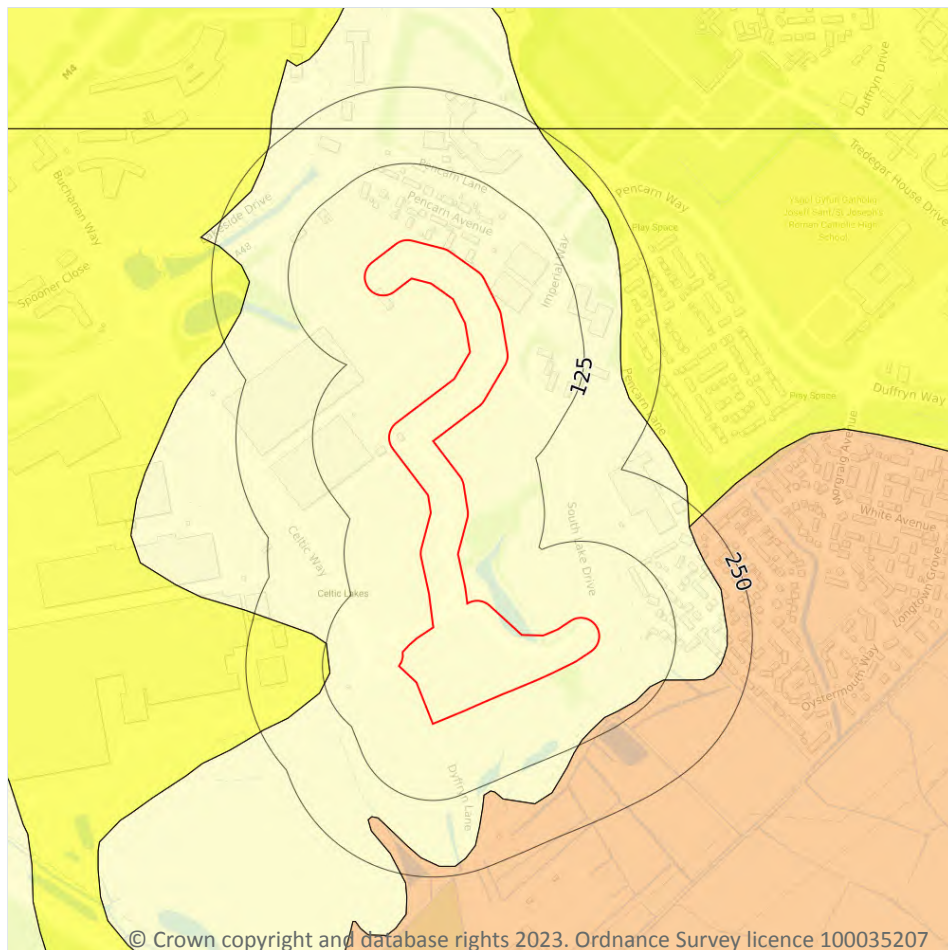
Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 30 May 2023

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).

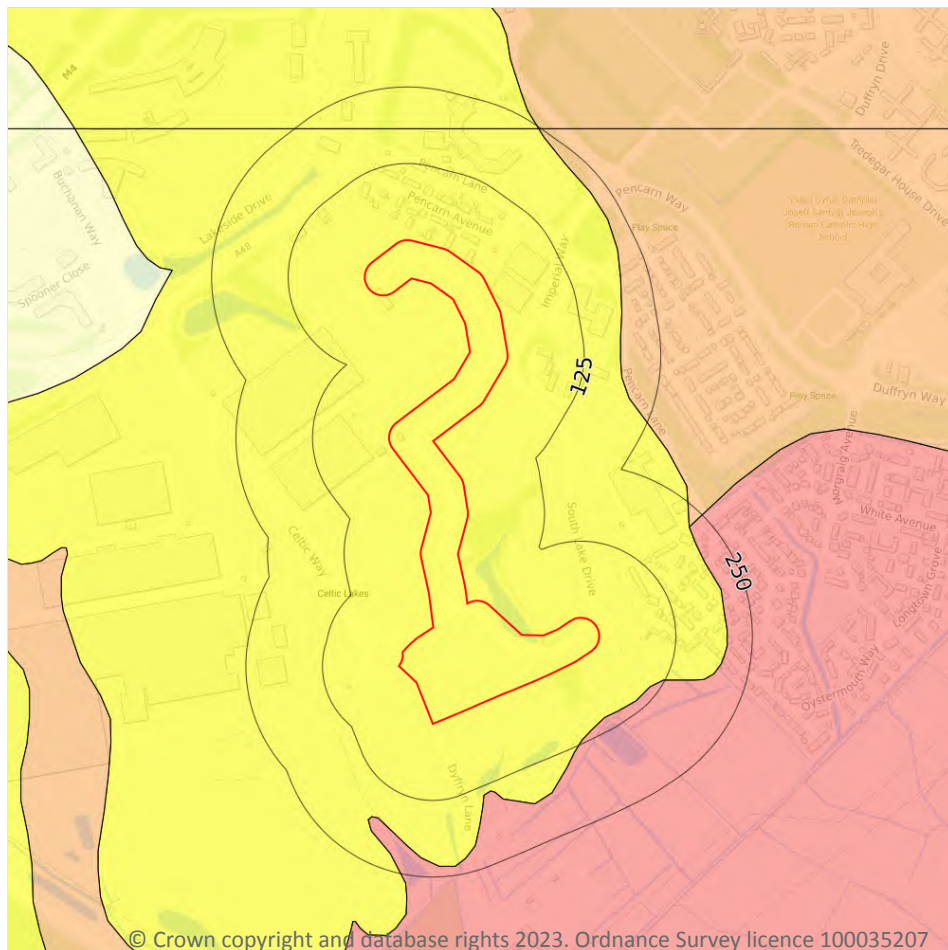
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 91](#) >

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

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.

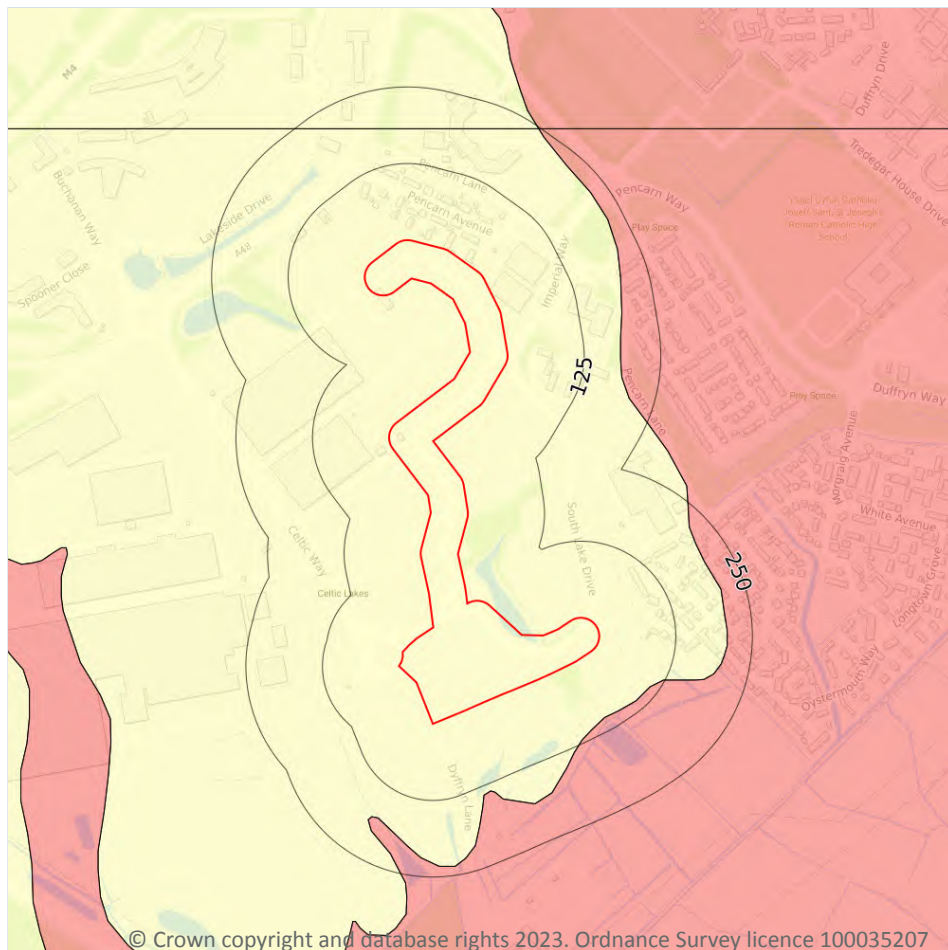
Features are displayed on the Natural ground subsidence - Running sands map on [page 92 >](#)

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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.

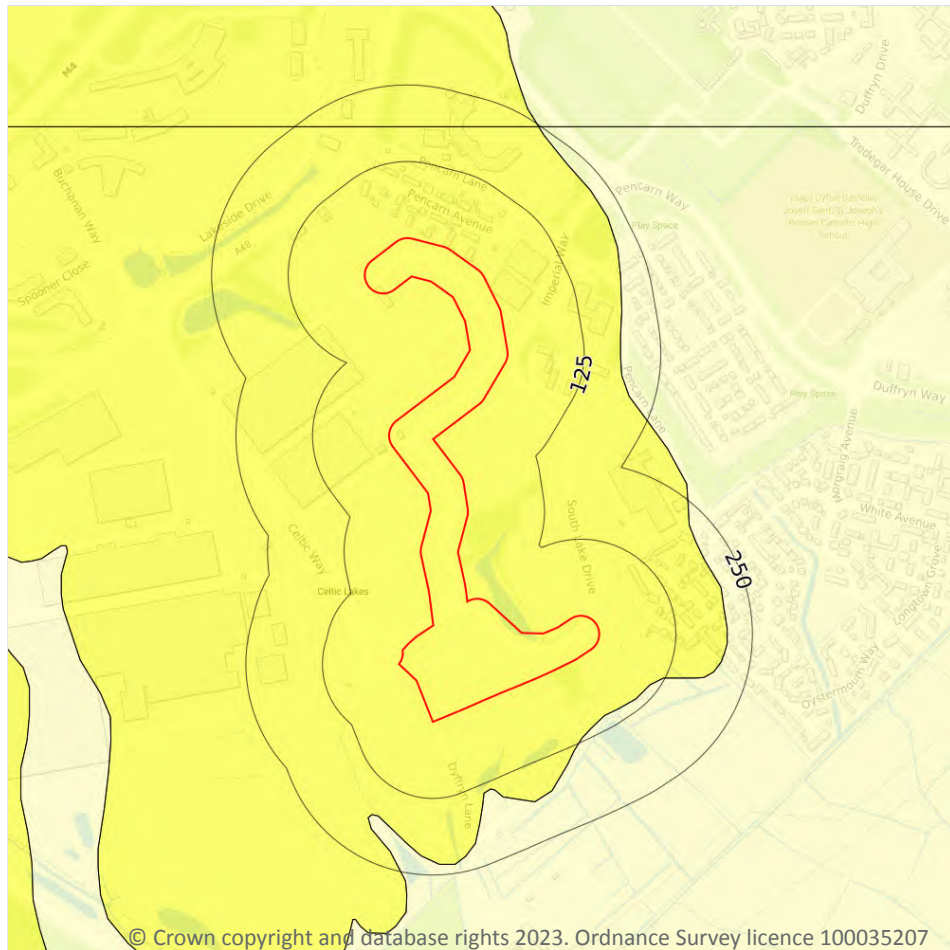
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 93](#) >

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.

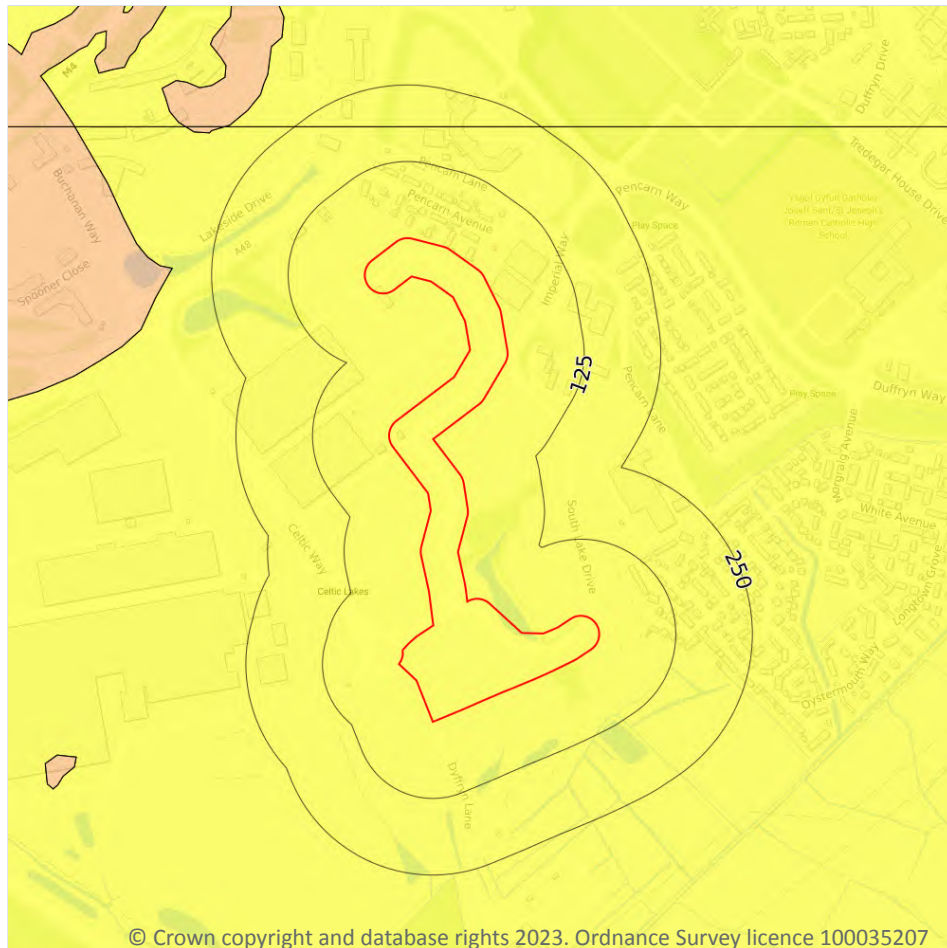
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 94 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

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.

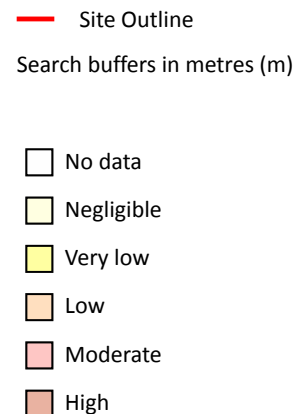
Features are displayed on the Natural ground subsidence - Landslides map on [page 95 >](#)

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



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 96](#)

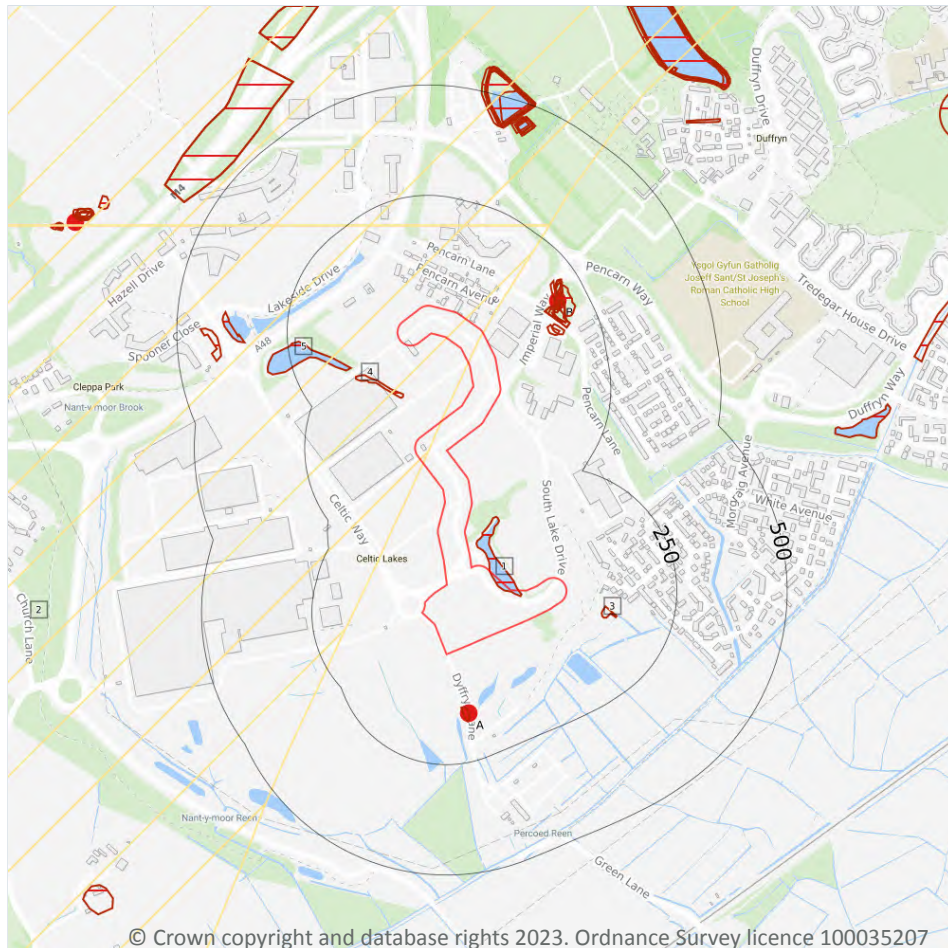
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- ▢ Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- ▢ Surface ground workings
- ▢ Underground workings
- ▢ Historical Mineral Planning Areas
- Mining Cavities
- 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 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.

18.2 BritPits

Records within 500m

2

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.

Features are displayed on the Mining, ground workings and natural cavities map on [page 98 >](#)

ID	Location	Details	Description
A	142m S	Name: Pont-estyll Address: Duffryn, NEWPORT, Gwent Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
B	184m NE	Name: Tredegar Park Address: Duffryn, NEWPORT, Gwent Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

13

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.

Features are displayed on the Mining, ground workings and natural cavities map on [page 98 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Pond	1995	1:10000
3	91m SE	Pond	1963	1:10560
4	97m NW	Lakes	1995	1:10000
A	125m S	Gravel Pit	1900	1:10560
5	128m NW	Lakes	1995	1:10000
B	135m NE	Gravel Pit	1949	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	145m NE	Gravel Pit	1963	1:10560
B	147m N	Gravel Pit	1900	1:10560
B	147m N	Gravel Pit	1920	1:10560
B	152m NE	Unspecified Ground Workings	1949	1:10560
B	162m NE	Unspecified Pit	1963	1:10560
B	163m NE	Gravel Pit	1922	1:10560
B	175m NE	Refuse Heap	1882	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 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.

18.5 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

2

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, ground workings and natural cavities map on [page 98 >](#)



ID	Location	Name	Commodity	Class	Likelihood
2	On site	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
6	182m N	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 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.

18.8 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.

18.9 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.

18.10 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.

18.11 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.13 Clay mining

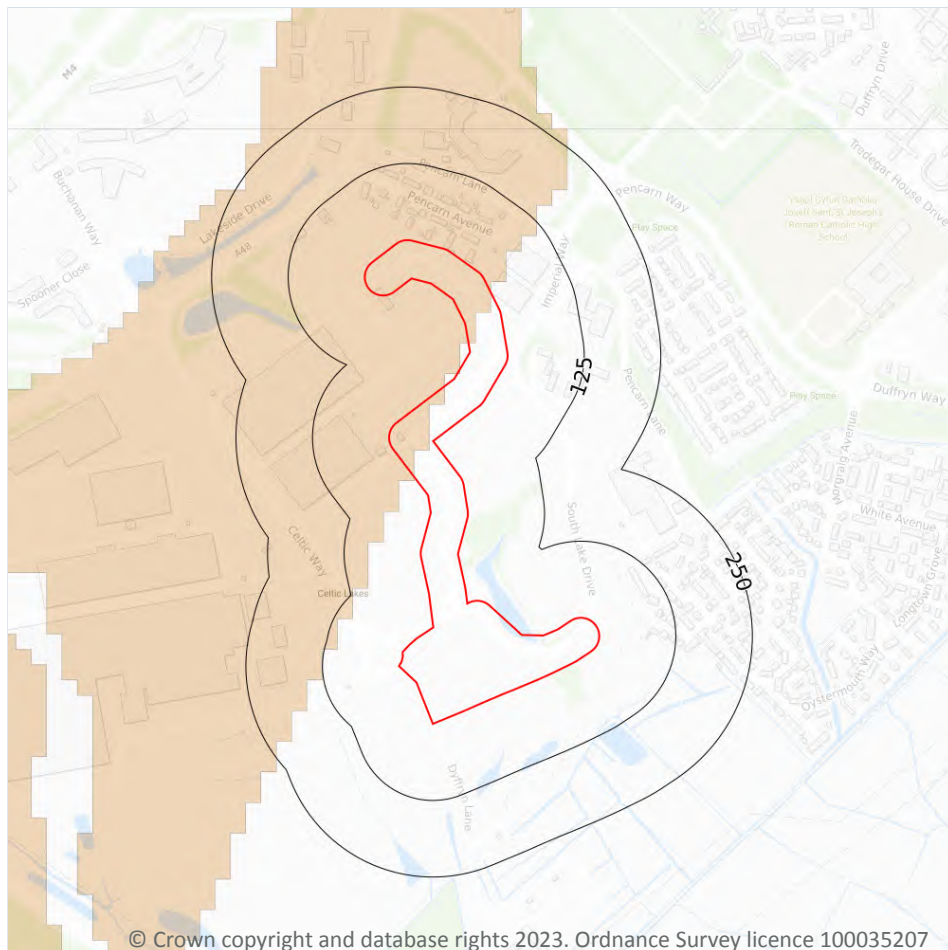
Records on site	0
-----------------	---

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 Radon



— Site Outline

Search buffers in metres (m)

Greater than 30%

Between 10% and 30%

Between 5% and 10%

Between 3% and 5%

☐ Between 1% and 3%

☐ Less than 1%

19.1 Radon

Records on site

2

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 103 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 5% and 10%	Basic

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

9

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 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 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 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 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
22m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
29m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
29m S	15 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.

20.2 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.



20.3 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.



21 Railway infrastructure and projects

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 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.

21.5 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.

21.6 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.

21.7 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.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

21.9 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.

21.10 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: <https://www.groundsure.com/terms-and-conditions-april-2023/> ↗.



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

Map date: 1882

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
 Revised 1882
 Edition N/A
 Copyright N/A
 Levelled N/A

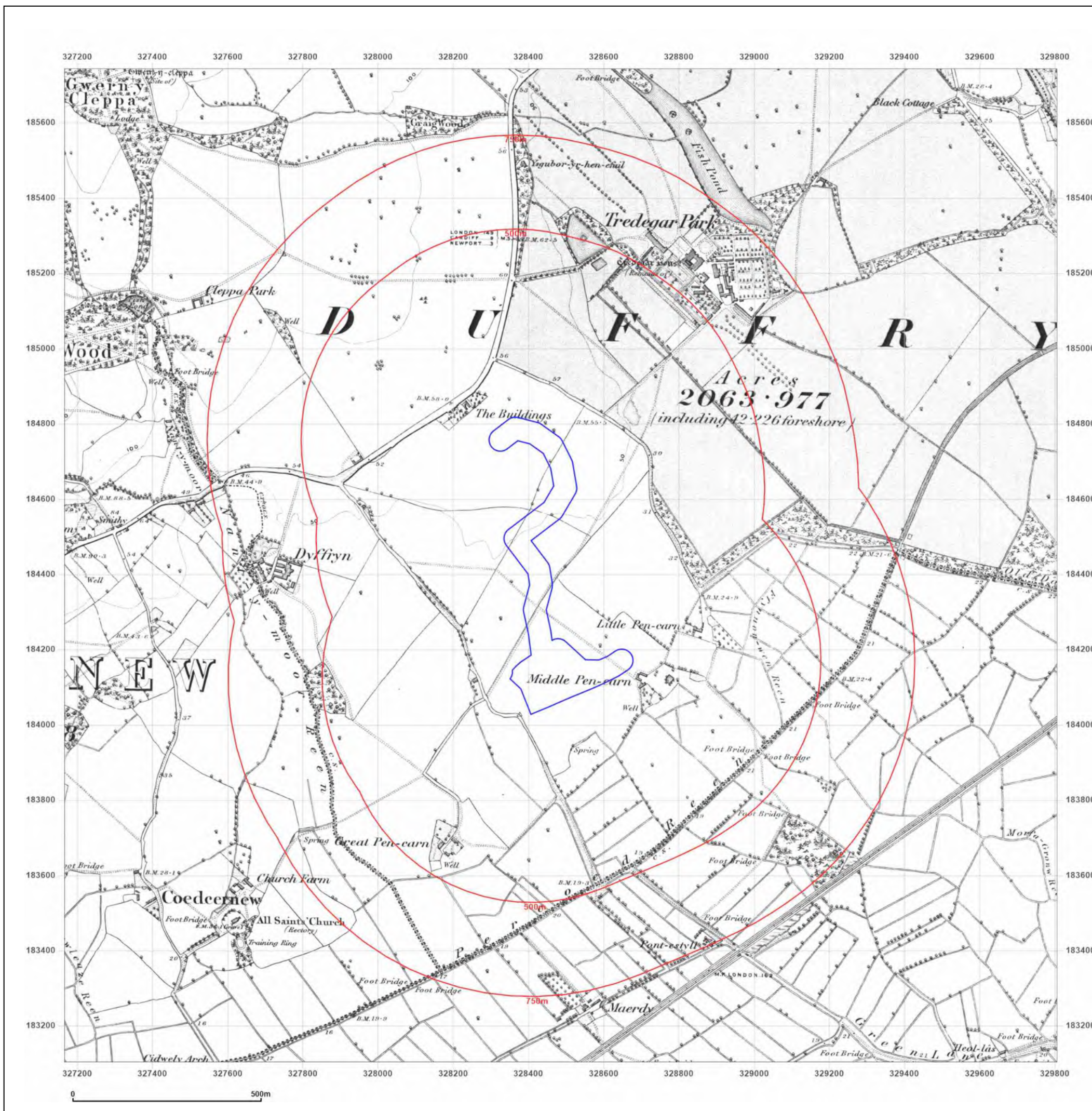


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

Map date: 1898-1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1874
 Revised 1898
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1874
 Revised 1898
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1881
 Revised 1900
 Edition N/A
 Copyright N/A
 Levelled N/A

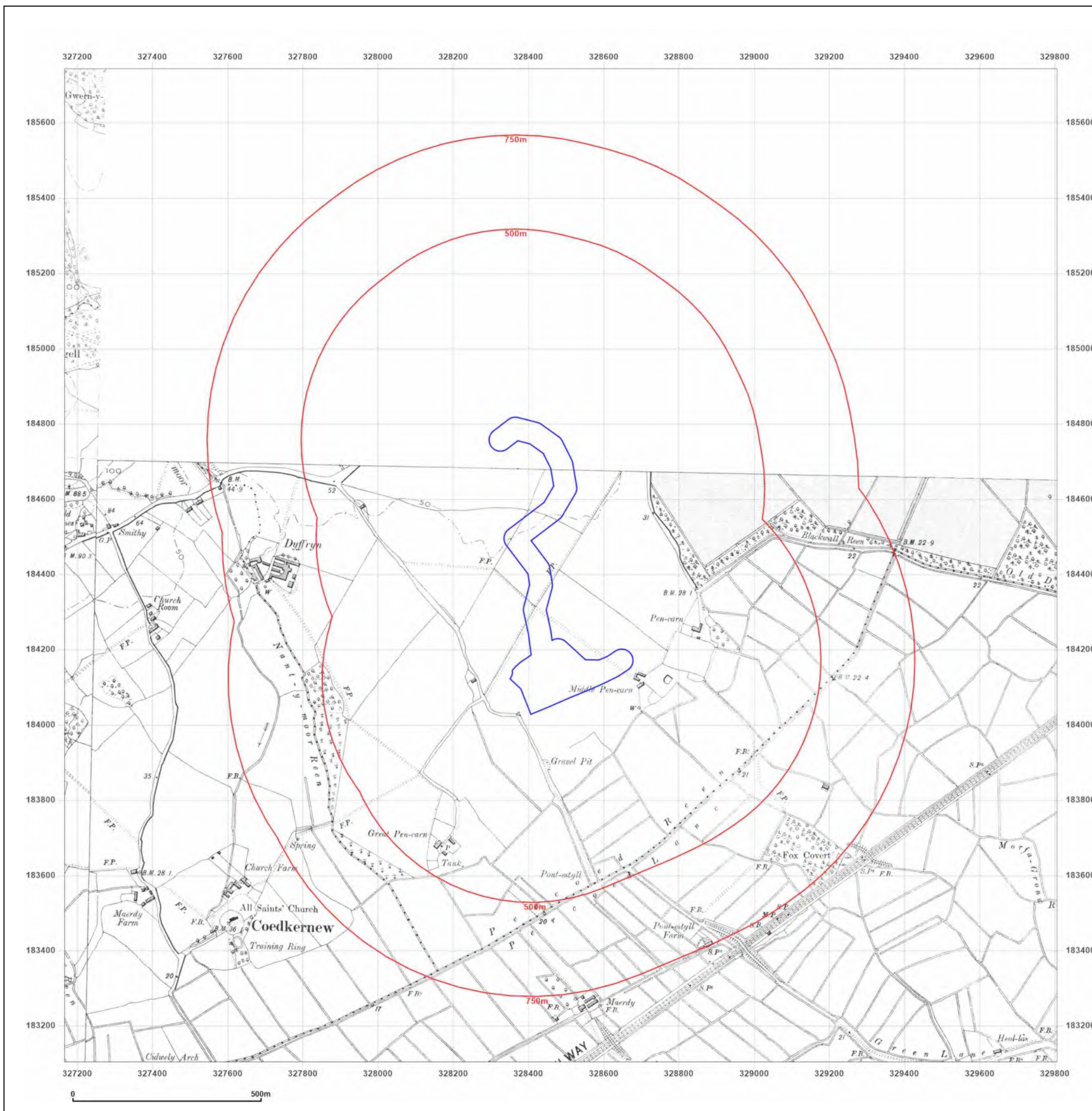


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

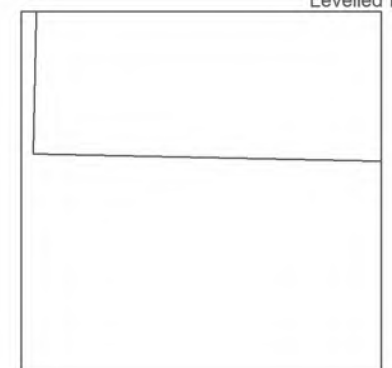
Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
 Revised 1900
 Edition N/A
 Copyright N/A
 Levelled N/A

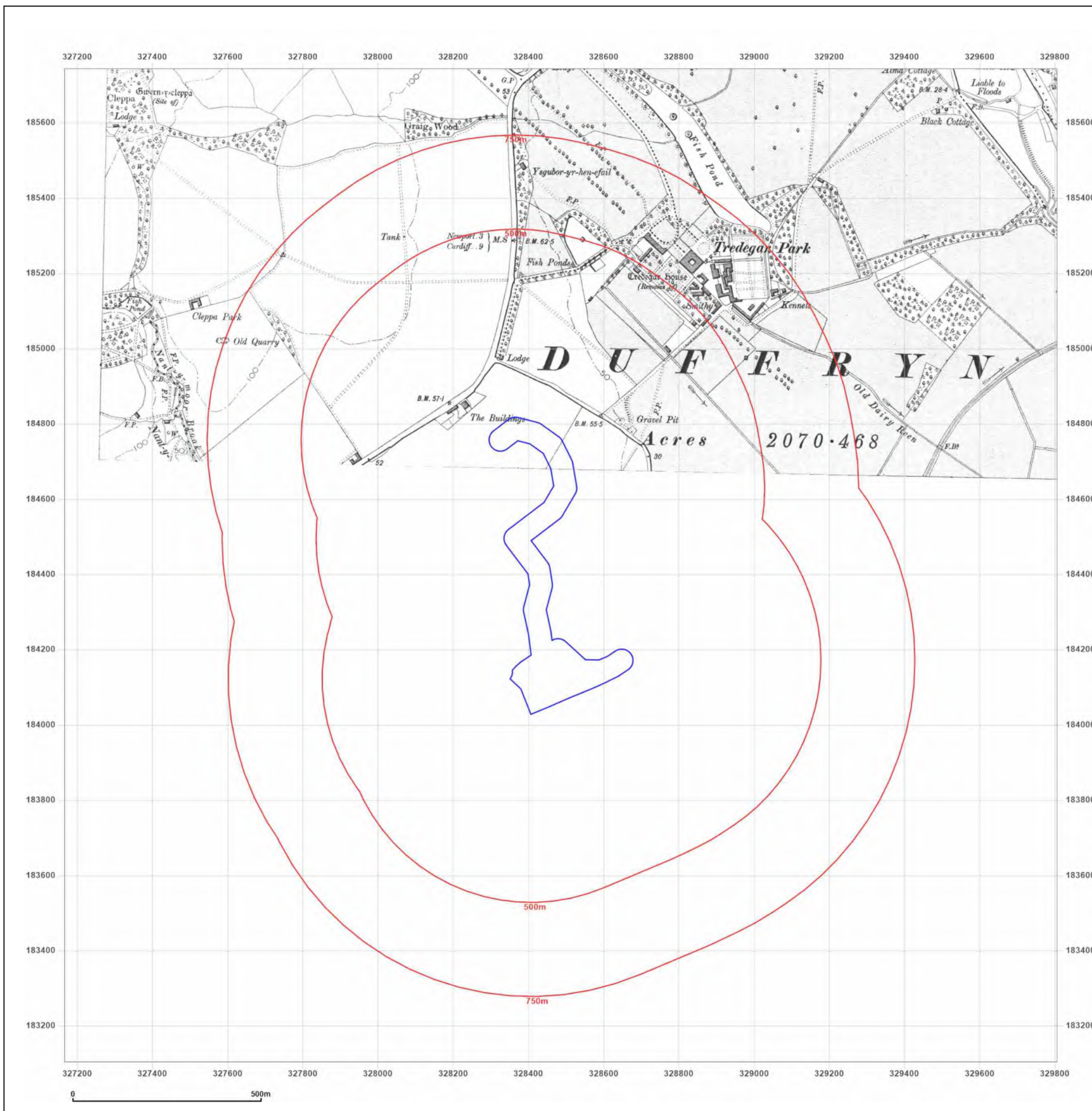


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

Map date: 1916-1920

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1881
 Revised 1920
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1874
 Revised 1916
 Edition N/A
 Copyright N/A
 Levelled N/A

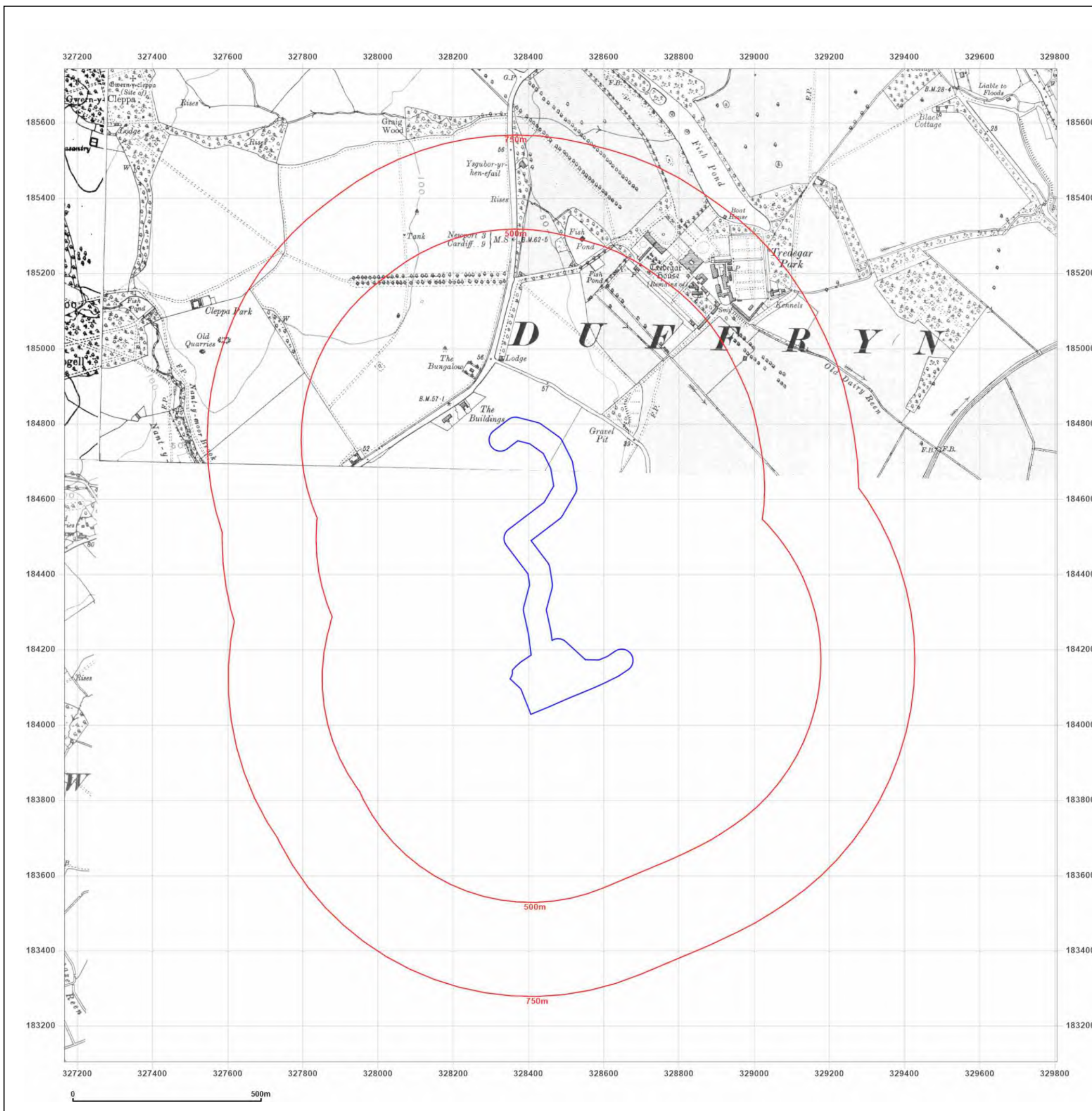


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

Map date: 1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1874
 Revised 1922
 Edition N/A
 Copyright N/A
 Levelled N/A

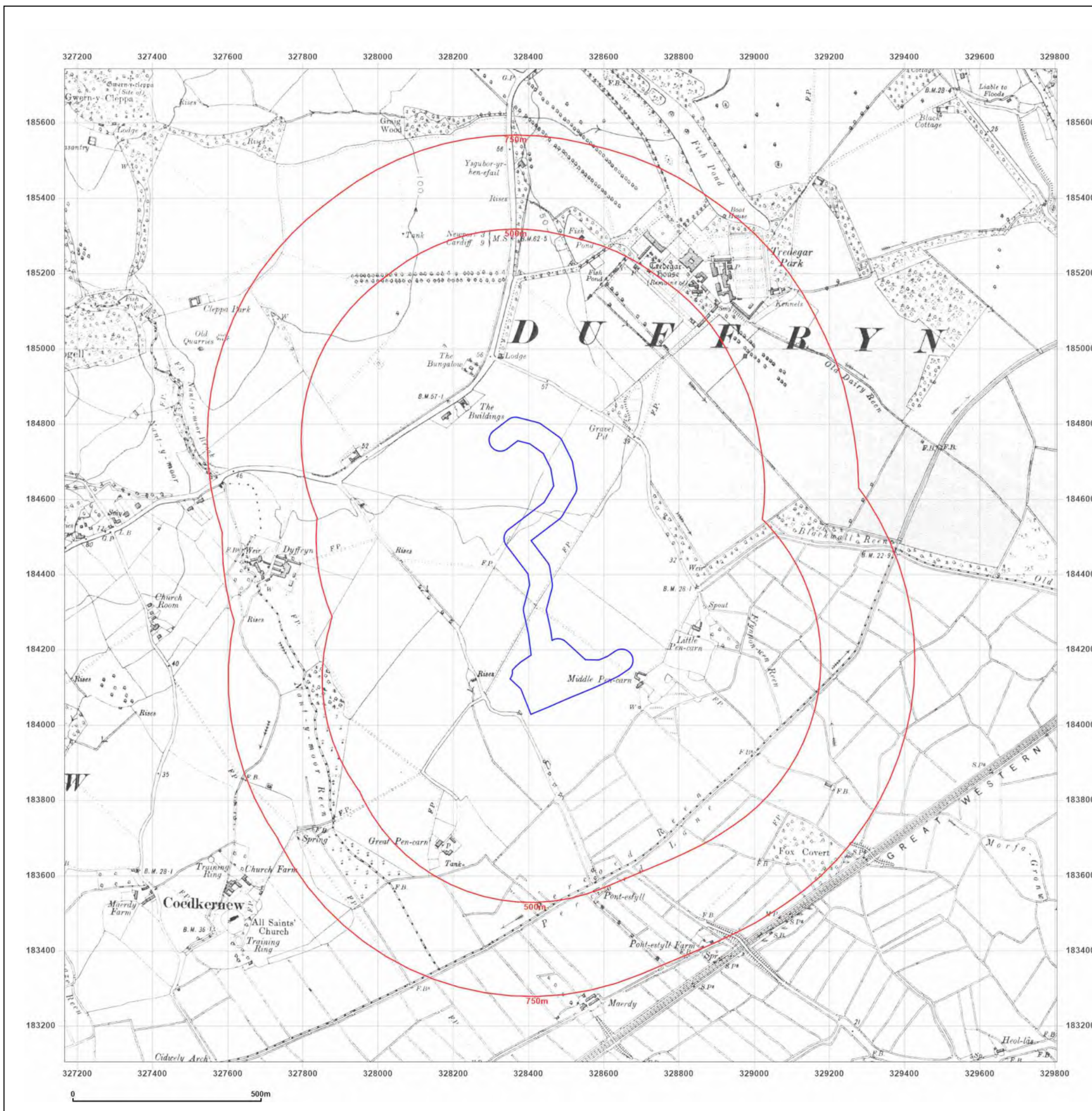


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

Map date: 1922

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
 Revised 1916
 Edition 1922
 Copyright N/A
 Levelled N/A

Surveyed 1885
 Revised 1922
 Edition 1922
 Copyright N/A
 Levelled N/A

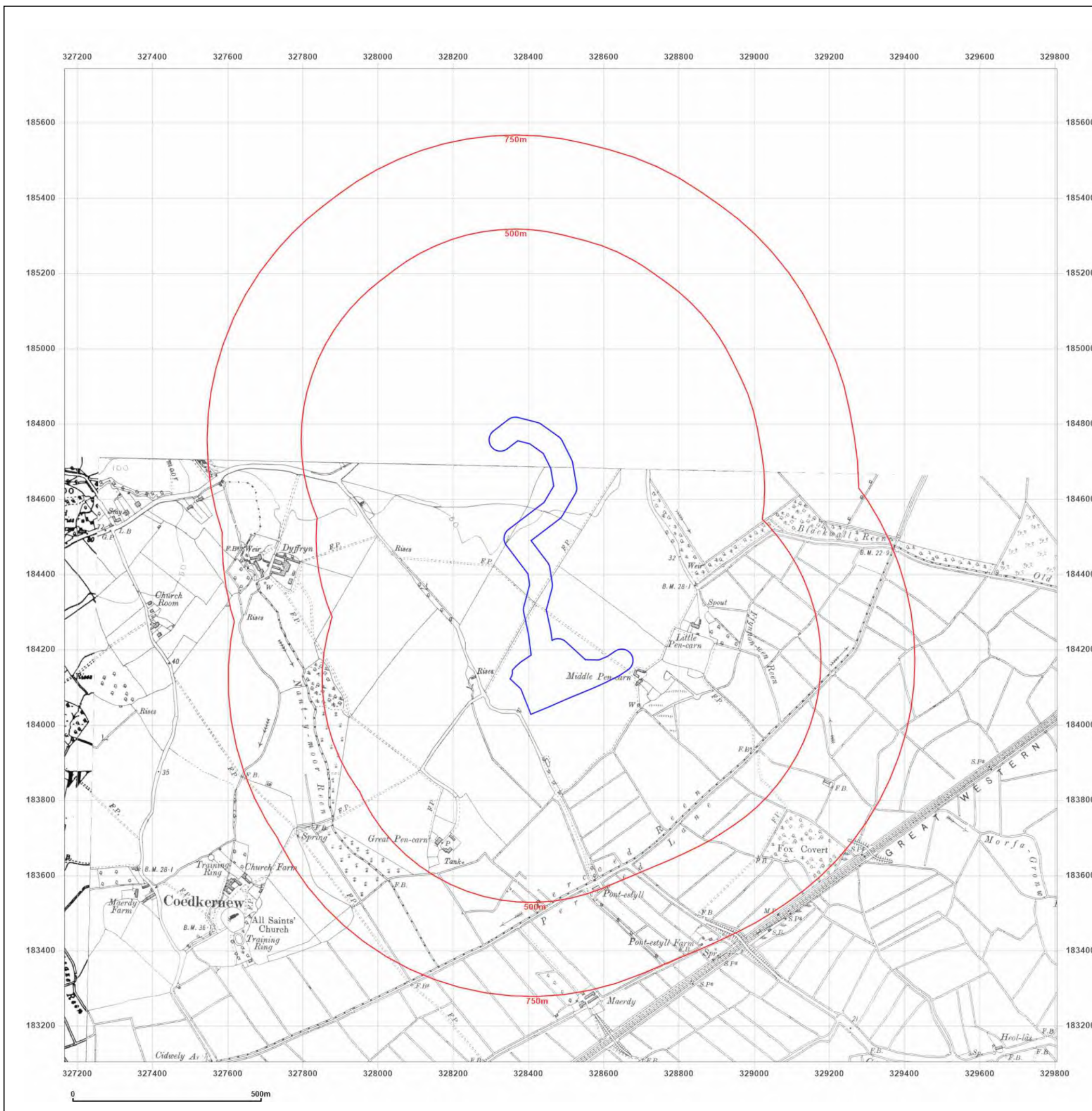


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

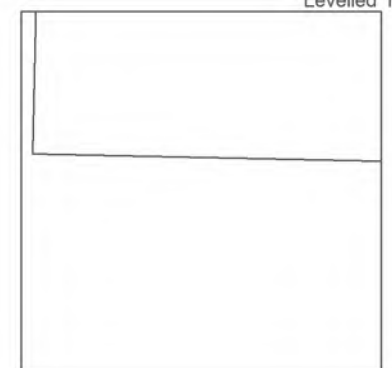
Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1881
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled 1900

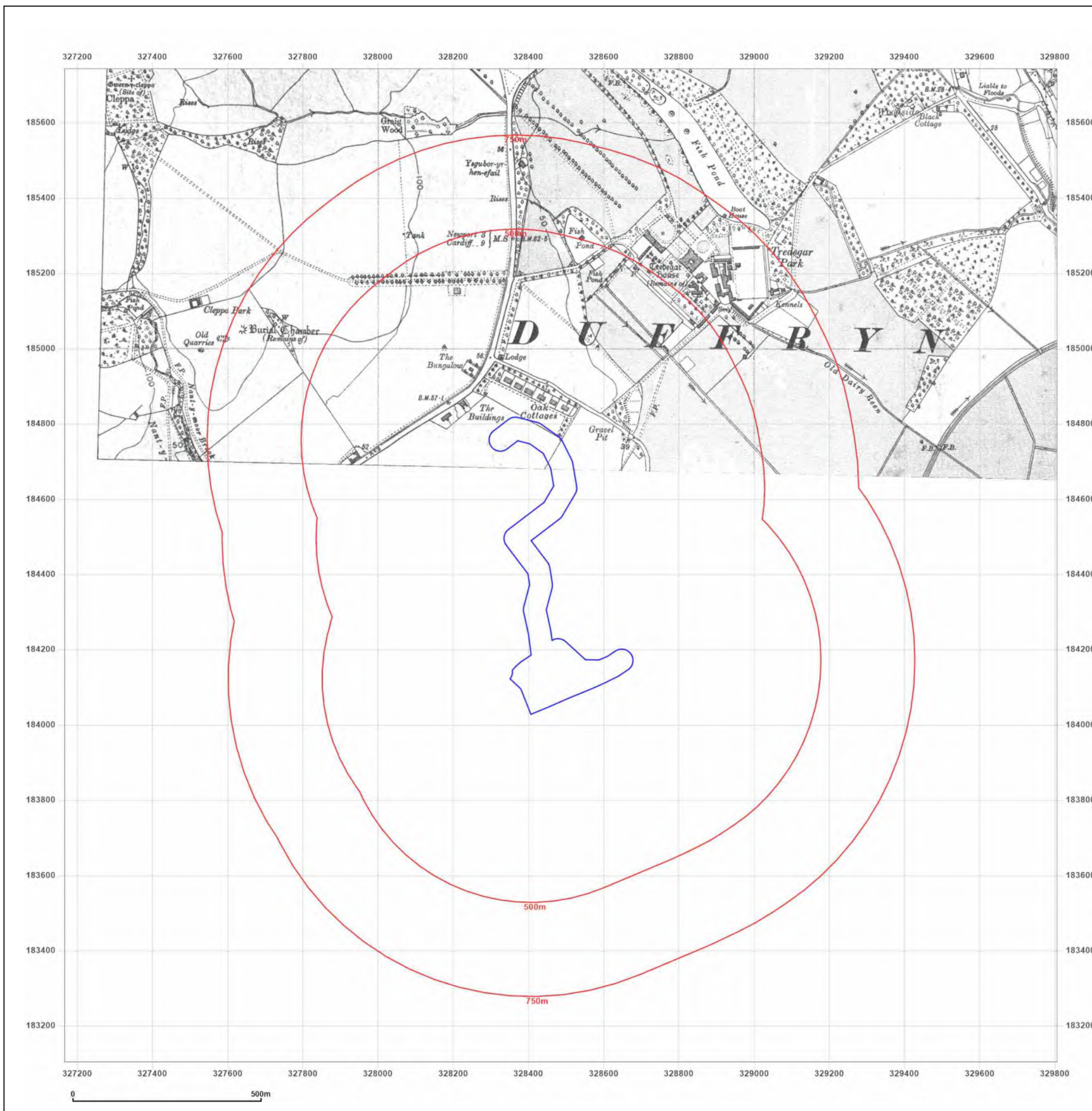


Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Newport Site 2

Client Ref: Newport Site 2
Report Ref: GSIP-2023-13616-13747
Grid Ref: 328485, 184423

Map Name: County Series

Map date: 1948-1950

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1874
 Revised 1948
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1881
 Revised 1949
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1874
 Revised 1948
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1885
 Revised 1950
 Edition N/A
 Copyright N/A
 Levelled N/A



Produced by
 Groundsure Insights
 T: 08444 159000
 E: info@groundsure.com
 W: www.groundsure.com

© Crown copyright and database rights 2018 Ordnance Survey 100035207

Production date: 30 May 2023

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

