

APPENDIX C

GROUNDSURE REPORT

HISTORICAL MAPS



Haigh Huddleston & Associates
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DEWSBURY, WF12 7BU

Groundsure Reference: GS-3774753

Your Reference: SMITH_6876

Report Date 3 Apr 2017

Report Delivery Method: Email - pdf

Groundsure Enviro Insight

Address: EGYPT FARM, CLIFFE LANE, CLECKHEATON, BD19 4EU

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Yours faithfully,

A handwritten signature in black ink, appearing to be "J. Smith", followed by a large, stylized circular flourish.

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight



Groundsure Enviro Insight

Address: EGYPT FARM, CLIFFE LANE, CLECKHEATON, BD19 4EU
Date: 3 Apr 2017
Reference: GS-3774753
Client: Haigh Huddleston & Associates

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 26-Mar-2012
Grid Reference: 419415,426133
Site Size: 0.58ha

Report Reference: GS-3774753
Client Reference: SMITH_6876

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Overview of Findings

For further details on each dataset, please refer to each individual section in the main report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	6	8	23	137
1.2 Additional Information – Historical Tank Database	0	0	6	17
1.3 Additional Information – Historical Energy Features Database	0	0	2	5
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	0	0
1.6 Potentially Infilled Land	3	6	19	61

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	2	1
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	8
2.3.2 National Incidents Recording System, List 1	0	0	0	1
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
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3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	2	1	3	1	5	4
3.1.3 BGS/DoE Landfill Site Survey	0	1	0	1	3	1
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	3	3
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	4	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	2	0	2

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	0	2	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology						
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	Yes					
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	None					
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.						

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes					
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	9
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	1	1	Not searched	Not searched

Section 6: Hydrogeology and Hydrology		0-500m				
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site?	No	No	No	No	Yes	No
6.10 Detailed River Network entries within 500m of the site	0	0	14	23	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding	
7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	Yes
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low
7.4 Are there any Flood Defences within 250m of the study site?	No
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Limited potential
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Low

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	1	0	0	2
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	1
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	1	0	0	0	1	0
8.14 Records of Green Belt land	1	0	0	0	1	4

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?

Very Low

9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?

Very Low

9.1.2 What is the maximum Landslides hazard rating identified on the study site?

Low

9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?

Negligible

9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?

Very Low

9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?

Very Low

9.1.6 What is the maximum Running Sand hazard rating identified on the study site?

Very Low

9.2 Radon

9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?

The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary.

Section 10: Mining

10.1 Are there any coal mining areas within 75m of the study site?	Yes
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	No
10.3 Are there any brine affected areas within 75m of the study site?	No

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

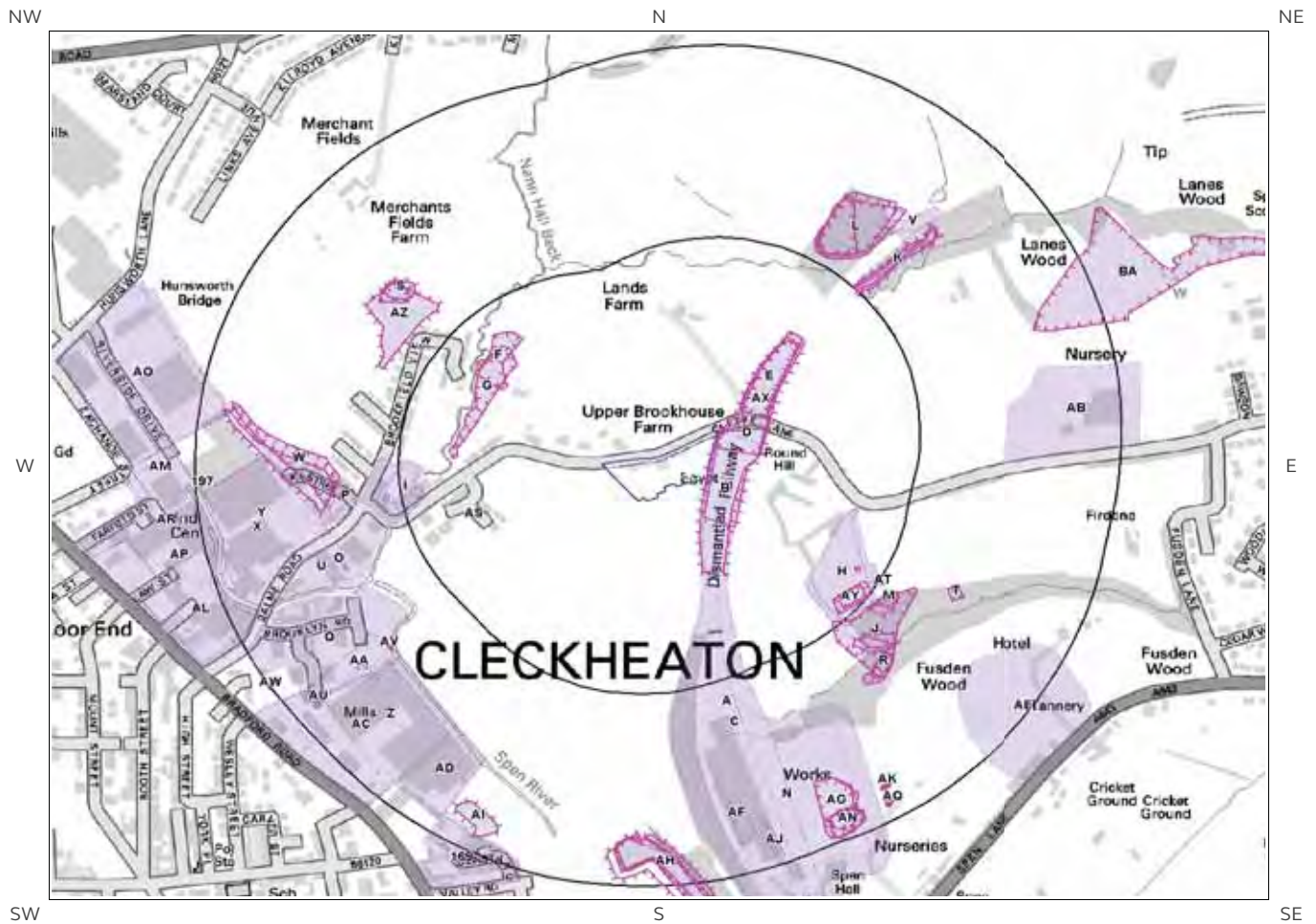
Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

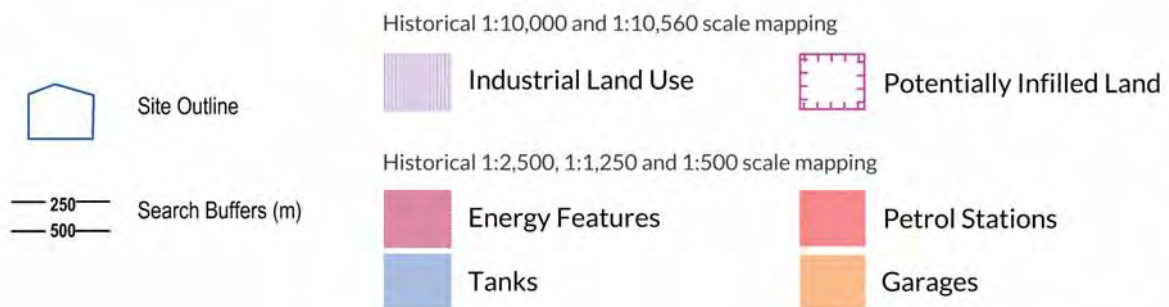
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use



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1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 174

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Railway Sidings	1938
2A	0	On Site	Railway Sidings	1948
3A	0	On Site	Railway Sidings	1905
4B	0	On Site	Cuttings	1905
5B	0	On Site	Cuttings	1938
6B	0	On Site	Cuttings	1948
7C	2	E	Railway Sidings	1955
8AX	2	E	Cuttings	1955
9C	3	E	Railway Sidings	1967
10D	3	E	Cuttings	1967
11D	3	E	Cuttings	1974
12E	38	NE	Cuttings	1948
13E	38	NE	Cuttings	1938
14E	38	NE	Cuttings	1905
15F	154	NW	Unspecified Heap	1974
16F	154	NW	Unspecified Heap	1983
17F	154	NW	Unspecified Heap	1990
18G	160	NW	Refuse Heap	1938
19G	160	NW	Refuse Heap	1948
20H	171	SE	Unspecified Mills	1938
21H	171	SE	Unspecified Mills	1948
22H	171	SE	Unspecified Mill	1905
23H	171	SE	Unspecified Mill	1892
24H	174	SE	Unspecified Mills	1983
25H	174	SE	Worsted Mills	1955
26H	174	SE	Unspecified Mills	1990
27H	174	SE	Unspecified Mills	1974
28H	174	SE	Worsted Mills	1967
29I	217	W	Unspecified Mill	1955
30I	223	W	Unspecified Mill	1948
31I	224	W	Iron Works	1892
32I	224	W	Iron Works	1905
33J	242	SE	Unspecified Ground Workings	1974

34J	242	SE	Unspecified Ground Workings	1983
35J	242	SE	Unspecified Ground Workings	1990
36J	242	SE	Unspecified Ground Workings	1967
37K	248	NE	Unspecified Ground Workings	1948
38K	255	NE	Unspecified Ground Workings	1983
39K	255	NE	Unspecified Ground Workings	1967
40K	255	NE	Unspecified Ground Workings	1974
41K	255	NE	Unspecified Ground Workings	1955
42L	260	NE	Unspecified Heap	1938
43L	260	NE	Unspecified Heap	1905
44L	260	NE	Unspecified Heap	1948
45M	262	SE	Unspecified Ground Workings	1955
46L	262	NE	Unspecified Heap	1974
47L	262	NE	Unspecified Heap	1983
48L	262	NE	Unspecified Heap	1967
49M	262	SE	Unspecified Heap	1948
50M	262	SE	Unspecified Heap	1938
51L	266	NE	Unspecified Heap	1955
52N	268	S	Unspecified Works	1990
53N	268	S	Unspecified Works	1983
54J	278	SE	Unspecified Heap	1955
55J	278	SE	Unspecified Heap	1938
56J	278	SE	Unspecified Heap	1948
57O	279	W	Unspecified Mill	1948
58O	279	W	Unspecified Mill	1938
59AZ	284	NW	Colliery	1892
60P	300	W	Unspecified Mills	1955
61P	301	W	Unspecified Commercial/Industrial	1990
62P	301	W	Unspecified Commercial/Industrial	1974
63P	301	W	Unspecified Commercial/Industrial	1983
64P	301	W	Unspecified Mill	1967
65Q	305	SW	Unspecified Mills	1892
66Q	305	SW	Unspecified Mills	1905
67P	307	W	Unspecified Mill	1948
68P	307	W	Unspecified Mill	1938
69P	308	W	Unspecified Mill	1892
70R	312	SE	Refuse Heap	1955
71R	313	SE	Refuse Heap	1948

72R	313	SE	Refuse Heap	1938
73S	319	NW	Refuse Heap	1955
74S	319	NW	Refuse Heap	1892
75S	319	NW	Refuse Heap	1948
76S	319	NW	Refuse Heap	1938
77S	319	NW	Unspecified Pit	1905
78N	320	S	Unspecified Works	1974
79W	323	W	Mill Pond	1955
80T	329	SE	Burial Ground	1974
81T	329	SE	Burial Ground	1990
82T	329	SE	Burial Ground	1983
83U	330	SW	Unspecified Mill	1967
84U	330	SW	Unspecified Mill	1955
85V	332	NE	Railway Sidings	1905
86V	332	NE	Railway Sidings	1938
87V	332	NE	Railway Sidings	1948
88AA	332	SW	Wire Mills	1967
89W	332	W	Mill Pond	1892
90W	332	W	Mill Pond	1948
91W	332	W	Mill Pond	1938
92W	332	W	Mill Pond	1905
93V	335	NE	Railway Sidings	1955
94X	344	W	Unspecified Mills	1938
95X	344	W	Unspecified Mills	1948
96Y	348	W	Unspecified Mills	1967
97Y	348	W	Unspecified Commercial/Industrial	1983
98Y	348	W	Unspecified Commercial/Industrial	1990
99Y	348	W	Unspecified Mills	1955
100Y	348	W	Unspecified Commercial/Industrial	1974
101Z	351	SW	Unspecified Mills	1974
102Z	351	SW	Unspecified Mills	1967
103Z	351	SW	Unspecified Mills	1955
104AA	351	SW	Unspecified Mills	1955
105AB	353	E	Nursery	1990
106AB	353	E	Nursery	1983
107AA	356	SW	Unspecified Mills	1938
108AA	356	SW	Unspecified Mills	1948
109AC	359	SW	Unspecified Mills	1990
110AC	359	SW	Unspecified Mills	1983
111AC	361	SW	Unspecified Mills	1948
112AC	367	SW	Unspecified Mills	1938
113AC	367	SW	Unspecified Mills	1892
114AC	367	SW	Unspecified Mills	1905
115AD	368	SW	Unspecified Works	1983

116AD	368	SW	Unspecified Mills	1967
117AD	368	SW	Unspecified Mills	1955
118AD	368	SW	Unspecified Works	1974
119AD	368	SW	Unspecified Works	1990
120AD	378	SW	Unspecified Disused Mills	1938
121AD	378	SW	Unspecified Mills	1948
122AF	378	S	Steel Works	1967
123AE	404	SE	Tannery	1990
124AE	404	SE	Tannery	1983
125BA	413	E	Colliery	1892
126AF	415	S	Railway Building	1955
127AG	417	S	Unspecified Heap	1990
128AG	417	S	Unspecified Heap	1983
129AG	417	S	Unspecified Heap	1974
130AG	417	S	Unspecified Heaps	1967
131AH	431	S	Mill Pond	1955
132AH	431	S	Mill Pond	1967
133AH	431	S	Mill Pond	1990
134AH	435	S	Mill Pond	1948
135AH	435	S	Mill Pond	1905
136AH	435	S	Mill Pond	1938
137AI	440	SW	Unspecified Heap	1967
138AI	440	SW	Unspecified Heap	1974
139AI	440	SW	Unspecified Heap	1990
140AI	440	SW	Unspecified Heap	1983
141AJ	443	S	Goods Station	1967
142AJ	445	S	Goods Shed	1955
143AJ	447	S	Railway Building	1905
144AJ	447	S	Goods Shed	1948
145AJ	447	S	Goods Shed	1938
146AK	447	SE	Unspecified Tank	1990
147AK	447	SE	Unspecified Tank	1974
148AK	447	SE	Unspecified Tank	1983
149AK	452	SE	Unspecified Old Shafts	1955
150AK	454	SE	Unspecified Old Shafts	1948
151AK	454	SE	Unspecified Old Shafts	1938
152AO	456	W	Unspecified Mills	1955
153AL	458	SW	Unspecified Mill	1974
154AL	458	SW	Unspecified Mill	1983
155AL	458	SW	Unspecified Mill	1990
156AM	460	SW	Unspecified Mills	1990
157AM	460	SW	Unspecified Mills	1967
158AM	460	SW	Unspecified Mills	1983
159AM	460	SW	Unspecified Mills	1974
160AP	460	SW	Unspecified Mills	1967
161AN	461	S	Refuse Heap	1955

162AN	461	S	Refuse Heap	1948
163AN	461	S	Refuse Heap	1938
164AO	467	W	Unspecified Mills	1938
165AO	467	W	Unspecified Mills	1948
166AP	471	SW	Unspecified Mills	1905
167AP	471	SW	Unspecified Mills	1892
168AQ	472	SE	Unspecified Old Shafts	1955
169	473	SW	Tannery	1892
170AQ	474	SE	Unspecified Old Shafts	1948
171AQ	474	SE	Unspecified Old Shafts	1938
172AR	477	W	Unspecified Mill	1983
173AR	477	W	Unspecified Mill	1974
174AR	477	W	Unspecified Mill	1990

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

23

ID	Distance (m)	Direction	Use	Date
175AS	170	SW	Unspecified Tank	1956
176AS	171	SW	Unspecified Tank	1956
177AS	171	SW	Unspecified Tank	1994
178AS	171	SW	Unspecified Tank	1994
179AS	172	SW	Unspecified Tank	1992
180I	227	W	Unspecified Tank	1938
181AT	252	SE	Unspecified Tank	1975
182AT	252	SE	Unspecified Tank	1956
183AT	252	SE	Unspecified Tank	1956
184AT	252	SE	Unspecified Tank	1968
185AT	256	SE	Unspecified Tank	1992
186I	264	W	Unspecified Tank	1933
187O	340	SW	Tanks	1922
188AA	390	SW	Tanks	1922
189AA	390	SW	Tanks	1907
190AA	398	SW	Unspecified Tank	1922
191Z	406	SW	Unspecified Tank	1922
192Z	406	SW	Unspecified Tank	1933
193Z	406	SW	Unspecified Tank	1938
194AD	420	SW	Unspecified Tank	1922
195AU	461	SW	Unspecified Tank	1985
196AU	463	SW	Unspecified Tank	1994

197	489	W	Unspecified Tank	1972
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1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

7

ID	Distance (m)	Direction	Use	Date
198H	215	SE	Electricity Substation	1956
199H	216	SE	Electricity Substation	1956
200AV	351	SW	Electricity Substation	1956
201AV	351	SW	Electricity Substation	1956
202AW	497	SW	Electricity Substation	1985
203AW	497	SW	Electricity Substation	1975
204AW	499	SW	Electricity Substation	1994

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary:

0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary:

0

Database searched and no data found.

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site:

89

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

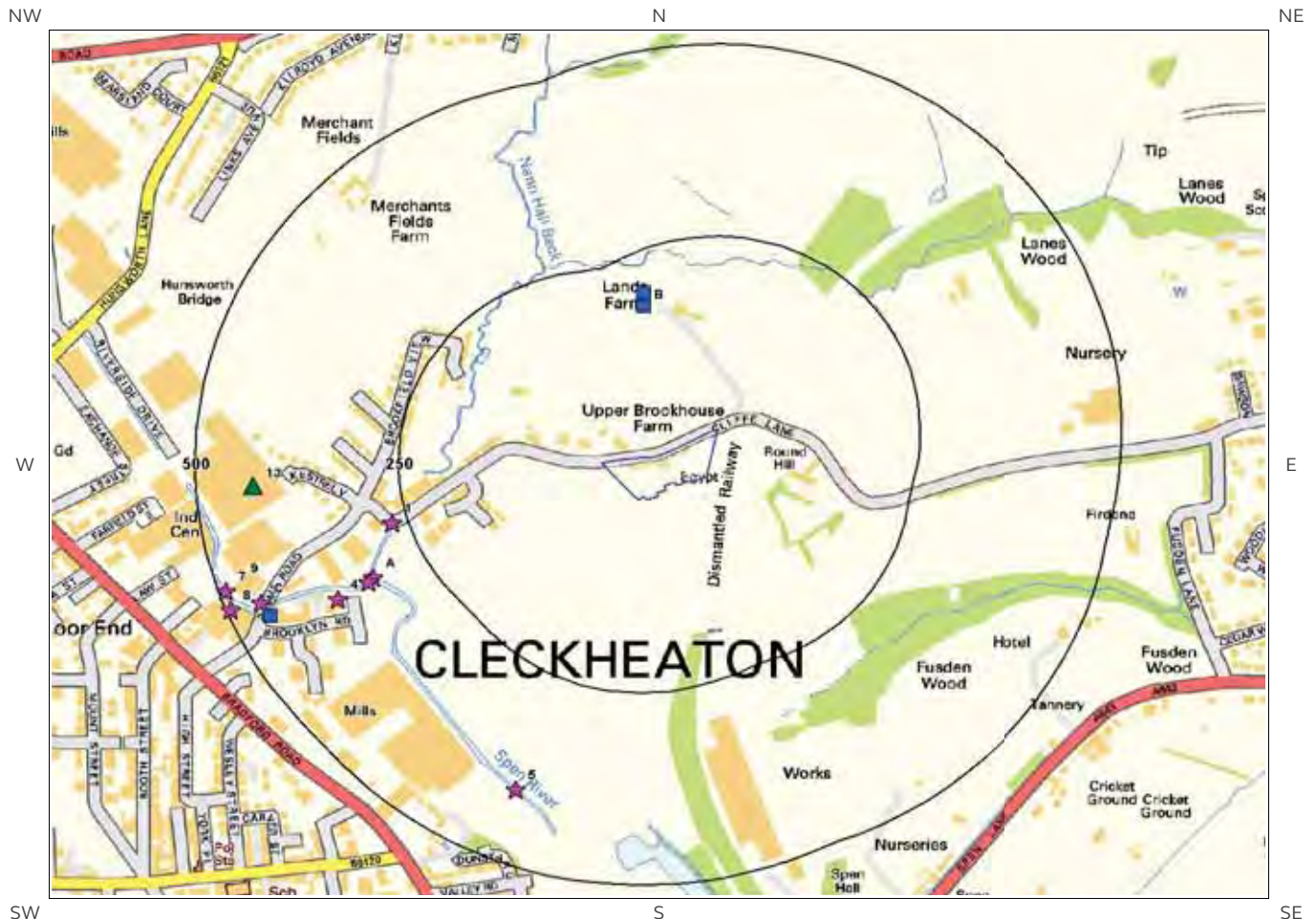
ID	Distance(m)	Direction	Use	Date
----	-------------	-----------	-----	------

205B	0	On Site	Cuttings	1905
206B	0	On Site	Cuttings	1938
207B	0	On Site	Cuttings	1948
208AX	2	E	Cuttings	1955
209D	3	E	Cuttings	1974
210D	3	E	Cuttings	1967
211E	38	NE	Cuttings	1905
212E	38	NE	Cuttings	1948
213E	38	NE	Cuttings	1938
214F	154	NW	Unspecified Heap	1990
215F	154	NW	Unspecified Heap	1983
216F	154	NW	Unspecified Heap	1974
217G	160	NW	Refuse Heap	1948
218G	160	NW	Refuse Heap	1938
219AY	221	SE	Pond	1948
220AY	221	SE	Pond	1938
221AY	221	SE	Pond	1905
222AY	221	SE	Pond	1892
223AY	221	SE	Reservoir	1990
224AY	221	SE	Reservoir	1955
225AY	221	SE	Reservoir	1974
226AY	221	SE	Reservoir	1967
227AY	221	SE	Reservoir	1983
228J	242	SE	Unspecified Ground Workings	1974
229J	242	SE	Unspecified Ground Workings	1990
230J	242	SE	Unspecified Ground Workings	1983
231J	242	SE	Unspecified Ground Workings	1967
232K	248	NE	Unspecified Ground Workings	1948
233K	255	NE	Unspecified Ground Workings	1983
234K	255	NE	Unspecified Ground Workings	1967
235K	255	NE	Unspecified Ground Workings	1974
236K	255	NE	Unspecified Ground Workings	1955
237L	260	NE	Unspecified Heap	1948
238L	260	NE	Unspecified Heap	1938
239L	260	NE	Unspecified Heap	1905
240M	262	SE	Unspecified Ground Workings	1955
241L	262	NE	Unspecified Heap	1983
242L	262	NE	Unspecified Heap	1967
243L	262	NE	Unspecified Heap	1974

244M	262	SE	Unspecified Heap	1938
245M	262	SE	Unspecified Heap	1948
246L	266	NE	Unspecified Heap	1955
247J	278	SE	Unspecified Heap	1955
248J	278	SE	Unspecified Heap	1948
249J	278	SE	Unspecified Heap	1938
250AZ	284	NW	Colliery	1892
251R	312	SE	Refuse Heap	1955
252R	313	SE	Refuse Heap	1948
253R	313	SE	Refuse Heap	1938
254S	319	NW	Refuse Heap	1955
255S	319	NW	Unspecified Pit	1905
256S	319	NW	Refuse Heap	1892
257S	319	NW	Refuse Heap	1938
258S	319	NW	Refuse Heap	1948
259W	323	W	Mill Pond	1955
260T	329	SE	Burial Ground	1990
261T	329	SE	Burial Ground	1974
262T	329	SE	Burial Ground	1983
263W	332	W	Mill Pond	1948
264W	332	W	Mill Pond	1905
265W	332	W	Mill Pond	1938
266W	332	W	Mill Pond	1892
267BA	413	E	Colliery	1892
268AG	417	S	Unspecified Heaps	1967
269AG	417	S	Unspecified Heap	1983
270AG	417	S	Unspecified Heap	1974
271AG	417	S	Unspecified Heap	1990
272AH	431	S	Mill Pond	1967
273AH	431	S	Mill Pond	1955
274AH	431	S	Pond	1974
275AH	431	S	Pond	1983
276AH	431	S	Mill Pond	1990
277AH	435	S	Mill Pond	1905
278AH	435	S	Mill Pond	1938
279AH	435	S	Mill Pond	1948
280AH	435	S	Water Body	1892
281AI	440	SW	Unspecified Heap	1967
282AI	440	SW	Unspecified Heap	1990
283AI	440	SW	Unspecified Heap	1983
284AI	440	SW	Unspecified Heap	1974
285AK	452	SE	Unspecified Old Shafts	1955
286AQ	454	SE	Unspecified Old Shafts	1948
287AQ	454	SE	Unspecified Old Shafts	1938
288AN	461	S	Refuse Heap	1955
289AN	461	S	Refuse Heap	1938

290AN	461	S	Refuse Heap	1948
291AQ	472	SE	Unspecified Old Shafts	1955
292AQ	474	SE	Unspecified Old Shafts	1938
293AQ	474	SE	Unspecified Old Shafts	1948

2. Environmental Permits, Incidents and Registers Map



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2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

1

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
13	431	W	418909 426116	Address: B & W Group Ltd, Spenback Business Park, Balme Road, Cleckheaton, BD19 4EW Process: Timber Process Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

3

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
10B	183	NW	419389 426352	Address: ASH TREE BARN, LANDS FARM, CLIFFE LANE, CLECKHEATON, WEST YORKSHIRE, BD19 4EU Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD005398 Permit Version: 1 Receiving Water: GROUNDWATERS VIA SOAKAWAY Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/11/2008 Effective Date: 26-Nov-2008 Revocation Date: -
11B	199	NW	419389 426370	Address: ASH TREE COTTAGE, CLIFFE LANE, CLECKHEATON, ., WEST YORKSHIRE, BD19 4EU Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD005380 Permit Version: 1 Receiving Water: GROUNDWATERS VIA SOAKAWAY Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/11/2008 Effective Date: 26-Nov-2008 Revocation Date: -
12C	454	SW	418930 425950	Address: BALME ROAD CSO, OFF BRADFORD ROAD, CLECKHEATON, BRADFORD, WEST YORKSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8255 Permit Version: 1 Receiving Water: RIVER SPEN Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/03/2004 Effective Date: 31-Mar-2004 Revocation Date: -

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

0

Database searched and no data found.

2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

8

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1	270	W	419080 426071	Incident Date: 26-Apr-2002 Incident Identification: 74860 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2A	319	SW	419056 426000	Incident Date: 11-Sep-2002 Incident Identification: 107212 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3A	327	SW	419051 425994	Incident Date: 30-Sep-2002 Incident Identification: 111602 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4	371	SW	419013 425971	Incident Date: 10-Sep-2002 Incident Identification: 106880 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Distance (m)	Direction	NGR	Details	
5	405	S	419232 425724	Incident Date: 23-Apr-2002 Incident Identification: 73845 Pollutant: Sewage Materials Pollutant Description: Process Effluent	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6C	457	SW	418919 425967	Incident Date: 08-Mar-2002 Incident Identification: 62675 Pollutant: Contaminated Water Pollutant Description: Minewater	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	492	W	418876 425982	Incident Date: 12-Sep-2002 Incident Identification: 107501 Pollutant: Organic Chemicals/Products Pollutant Description: Dyes and Inks	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	496	SW	418881 425957	Incident Date: 12-Sep-2002 Incident Identification: 107381 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

1

The following NIRS List 1 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
9	463	W		Incident Date: 01-Feb-1999 Incident Identification: 908.0 Catchments Name: CALDER AND TRIBS Water Description: RIVER STRETCH (FRESHWATER) Water Course: SPEN BECK/DEAN BECK Incident Substantiated: Yes	Priority Description: Immediate (2 Hours) Waste Description: Not Available Water Impact: Significant Impact Land Impact: No Impact Air Impact: No Impact Action Taken: Not Available

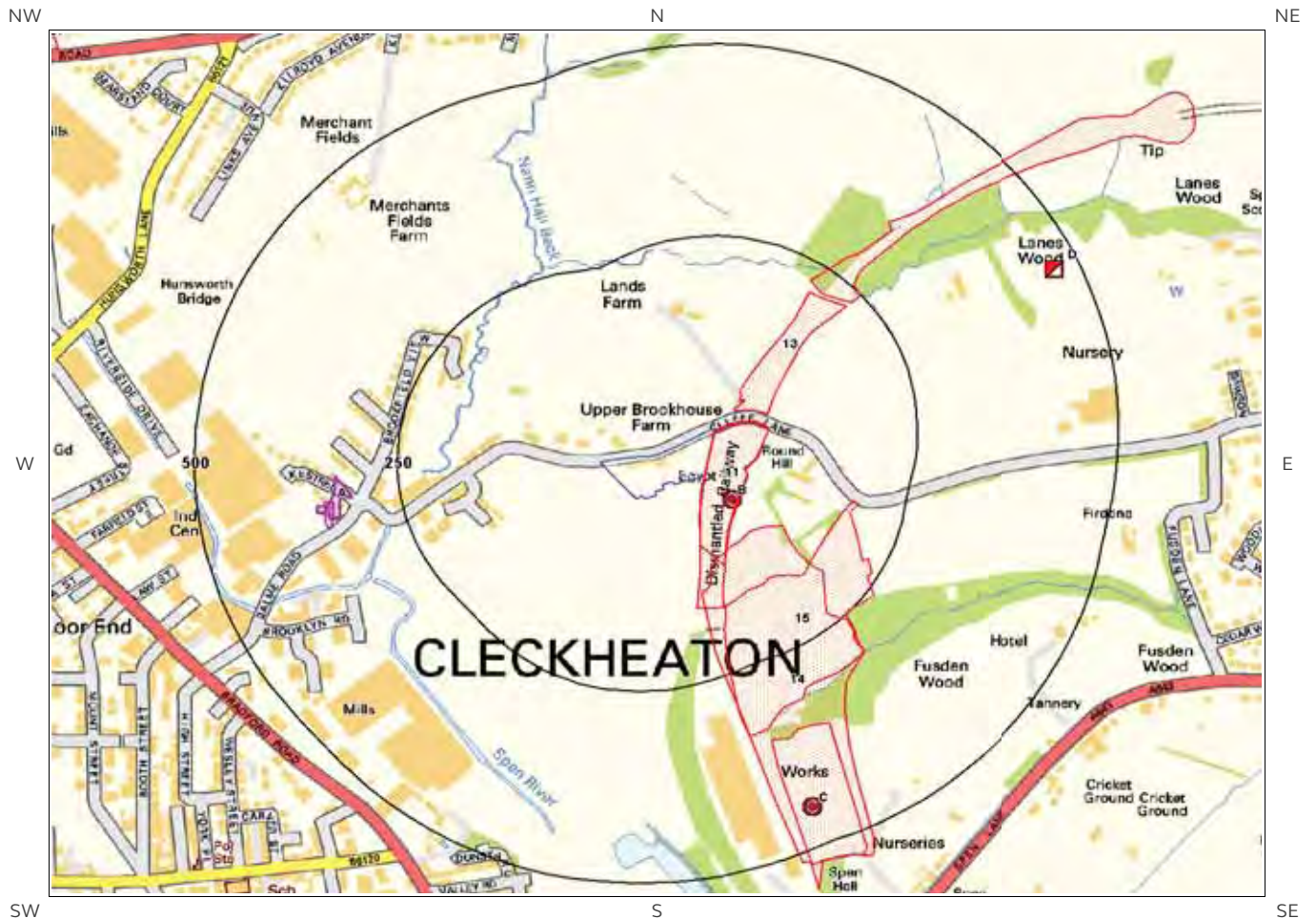
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

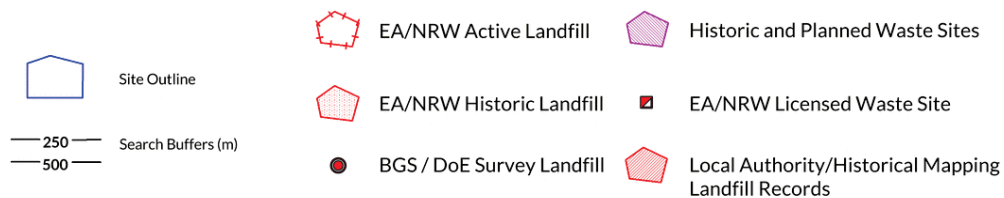
0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

16

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
11	0	On Site	419400 426100	Site Address: Spen Steelworks Site 1, Spen Lane, Cleckheaton Waste Licence: Yes Site Reference: 4700/0017 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 18-May-1977 Licence Surrendered: 14-Jun-1979 Licence Holder Address: Spen Steelworks, Spen Lane, Cleckheaton Operator: - Licence Holder: Wilson Steel Services First Recorded: 31-Dec-1969 Last Recorded: 31-May-1979
12B	0	E	419400 426000	Site Address: Cliffe Lane, Gomersal, Cleckheaton, West Yorkshire Waste Licence: Yes Site Reference: - Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 18-May-1977 Licence Surrendered: 14-Jun-1979 Licence Holder Address: - Operator: John Crossland Limited Licence Holder: Wilson Steel Services First Recorded: 31-Jan-1969 Last Recorded: -
13	34	NE	419700 426400	Site Address: Land to the North of Cliffe Lane Gomersal, Dismantled Railway, Cleckheaton Waste Licence: Yes Site Reference: 4700/0020 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01-Jun-1977 Licence Surrendered: 05-May-1994 Licence Holder Address: New Lane, Cleckheaton Operator: - Licence Holder: John Crossland Limited First Recorded: 01-Jan-1976 Last Recorded: 31-Dec-1990
14	91	SE	419500 425800	Site Address: Spen Steelworks Site No.2 - Roundhill, Cliffe Lane, Cleckheaton Waste Licence: Yes Site Reference: 4700/0267, 18, 4700/0807 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 18-May-1977 Licence Surrendered: 29-Apr-1994 Licence Holder Address: 7 Market Street, Heckmondwike, Cleckheaton Operator: - Licence Holder: Longland Plant Hire First Recorded: 31-Dec-1977 Last Recorded: 31-Mar-1993

ID	Distance (m)	Direction	NGR	Details	
15	153	SE	419500 425900	Site Address: Land off Cliffe Lane, Briars Fields, Vernon Road, Somersal, Cleckheaton, Kirklees Waste Licence: Yes Site Reference: 192 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 16-Jan-1979 Licence Surrendered: 30-Apr-1994 Licence Holder Address: Briarfields, Vernon Road, Heckmondwike, Kirkless Operator: - Licence Holder: Longland Plant First Recorded: 31-Dec-1979 Last Recorded: 31-Dec-1981
16	220	NE	419700 426400	Site Address: Land to the North of Cliffe Lane Gomersal, Dismantled Railway, Cleckheaton Waste Licence: Yes Site Reference: 4700/0020 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jun-1977 Licence Surrendered: 05-May-1994 Licence Holder Address: New Lane, Cleckheaton Operator: - Licence Holder: John Crossland Limited First Recorded: 01-Jan-1976 Last Recorded: 31-Dec-1990
17C	349	S	419600 425700	Site Address: Gikan Steelco, Cleckheaton, Yorkshire Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: 31-Jan-1913 Last Recorded: -
Not shown	607	S	419600 425400	Site Address: Spen Lane, Cleckheaton, West Yorkshire Waste Licence: - Site Reference: - Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: 31-Jan-1969 Last Recorded: -
Not shown	718	S	419500 425300	Site Address: Mann Dam, Spen Lane, Gomersal, Cleckheaton, Yorkshire Waste Licence: - Site Reference: - Waste Type: Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: Spen Bank Holdings Limited Licence Holder: - First Recorded: 30-Apr-1914 Last Recorded: -
Not shown	843	SE	420200 425600	Site Address: Nibshaw Lane, Gomersal, Cleckheaton, West Yorkshire Waste Licence: - Site Reference: - Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: Sellon Brothers Limited Licence Holder: - First Recorded: - Last Recorded: 31-Jul-1972
21	858	NW	418600 426700	Site Address: Land off Whitehall Road, Cleckheaton Waste Licence: Yes Site Reference: 4700/0043, 4700/0272 Waste Type: Inert, Industrial, Special, Liquid, sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 03-May-1977 Licence Surrendered: 25-Apr-1994 Licence Holder Address: Whitehall Road, Cleckheaton Operator: - Licence Holder: Hunsworth Dyeing Company Limited First Recorded: 01-Jan-1919 Last Recorded: 31-Mar-1994
Not shown	991	NW	418400 426700	Site Address: Land off Whitehall Road, Dyehouse Drive, Cleckheaton Waste Licence: Yes Site Reference: 4700/0222 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 02-Apr-1980 Licence Surrendered: 28-Apr-1994 Licence Holder Address: Whitehall Road, Cleckheaton Operator: - Licence Holder: Hunsworth Dyeing Company Limited First Recorded: 30-Apr-1980 Last Recorded: 31-Dec-1991

ID	Distance (m)	Direction	NGR	Details	
Not shown	1110	SW	418800 425000	Site Address: Land at the north of F W Birkett and Sons Limited, Hightown Road, Cleckheaton Waste Licence: Yes Site Reference: 4700/0420, 4700/WDL0201 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 08-Feb-1984 Licence Surrendered: 31-Dec-1990 Licence Holder Address: Hightown Road, Cleckheaton Operator: - Licence Holder: Francis W Birkett and Sons Limited First Recorded: 31-Dec-1984 Last Recorded: 31-Dec-1990
Not shown	1263	S	419500 424700	Site Address: Rawfolds, Bradford Road, Cleckheaton Waste Licence: - Site Reference: 4700/0515 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: Civic Centre, Huddersfield Operator: - Licence Holder: Kirklees Metropolitan Borough Council First Recorded: - Last Recorded: -
Not shown	1271	N	419200 427500	Site Address: Land off Hunsworth Lane, Hunsworth, Cleckheaton Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: J W Crowther and Son First Recorded: - Last Recorded: -
Not shown	1295	S	419300 424700	Site Address: Pyenot Hall Works, Cleckheaton, Yorkshire Waste Licence: - Site Reference: - Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: British Ropes Limited Licence Holder: - First Recorded: - Last Recorded: -

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

6

The following landfill records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
1B	44	SE	419500.0 426100.0	Address: Cliff Lane, Gomersal, Cleckheaton, W Yorks BGS Number: 1141.0	Risk: No risk to aquifer Waste Type: N/A
2C	449	SE	419600.0 425700.0	Address: Gikan Steelco, Cleckheaton, Yorks BGS Number: 1101.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	635	S	419600.0 425500.0	Address: Spen Lane, Cleckheaton, W Yorks BGS Number: 1139.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	708	S	419500.0 425400.0	Address: Mann Dam, Spen Lane, Gomersal, Cleckheaton, Yorks BGS Number: 1143.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	896	E	420300.0 425800.0	Address: Nibshaw Lane, Gomersal, Cleckheaton, W Yorks BGS Number: 1142.0	Risk: No risk to aquifer Waste Type: N/A

ID	Distance (m)	Direction	NGR	Details
Not shown	1300	S	419400.0 424800.0	Address: Pyenof Hall Works, Cleckheaton, Yorks BGS Number: 1145.0 Risk: No risk to aquifer Waste Type: N/A

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

6

The following landfill records are represented as points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	822	E	420251 425796	Refuse Tip	1961 mapping	Polygon
Not shown	909	W	418447 425836	Refuse Tip	1963 mapping	Polygon
Not shown	910	W	418447 425837	Refuse Tip	1968 mapping	Polygon
Not shown	1020	E	420471 425933	Refuse Tip	1961 mapping	Polygon
Not shown	1287	SW	418296 425356	Refuse Tip	1968 mapping	Polygon
Not shown	1287	SW	418295 425356	Refuse Tip	1966 mapping	Polygon

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

4

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
7A	308	W	419013 426101	Type of Site: Waste Mill Site Address: N/A Planning Application Reference: N/A Date: 1933 Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
8A	309	W	419010 426103	Type of Site: Waste Mill Site Address: N/A Planning Application Reference: N/A Date: 1938 Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
9A	333	W	419005 426078	Type of Site: Waste Mill Site Address: N/A Planning Application Reference: N/A Date: 1956 Further Details: N/A Data Source: Historic Mapping Data Type: Polygon

ID	Distance (m)	Direction	NGR	Details		
10A	333	W	419004 426091	Type of Site: Waste Mill Site Address: N/A	Planning Application Reference: N/A Date: 1956	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon

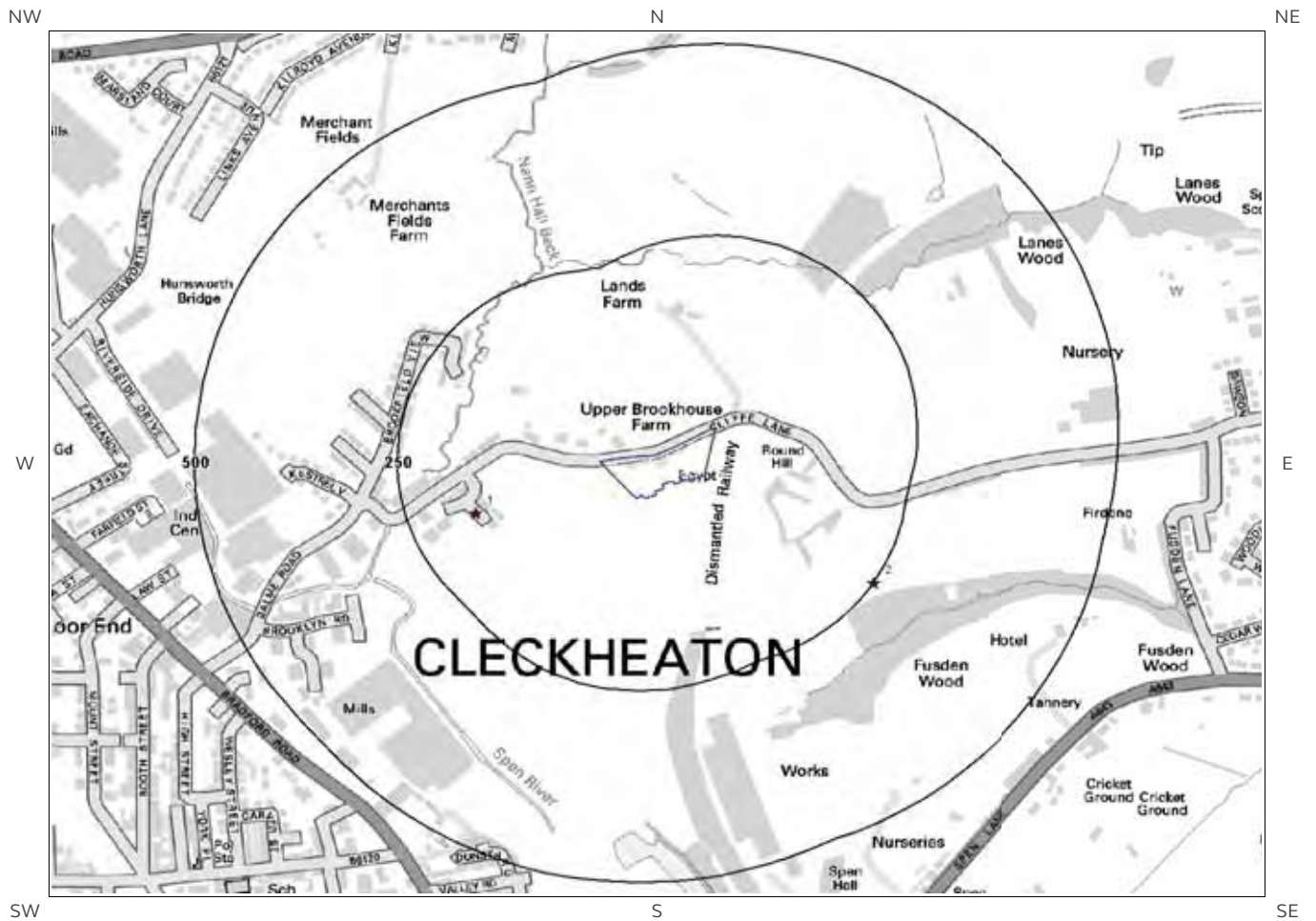
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

4

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details		
27D	469	NE	419900 426400	Site Address: 100, Cliffe Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4EX Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MRC002 EPR reference: EA/EPR/AP3094SV/A001 Operator: Mr Clifford Crawshaw Waste Management licence No: 65025 Annual Tonnage: 4999.0	Issue Date: 21/10/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired Site Name: Roundhill Turkey Farm Correspondence Address: -	
28D	469	NE	419900 426400	Site Address: 100, Cliffe Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4EX Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MRC002 EPR reference: - Operator: Mr Clifford Crawshaw Waste Management licence No: 65025 Annual Tonnage: 4999.0	Issue Date: 21/10/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Roundhill Turkey Farm Correspondence Address: 3, Fusden Way, Gomersal, Cleckheaton, West Yorkshire, BD19 4SZ	
Not shown	1403	SW	418400 425100	Site Address: Land/premises At, Robert Street, Cleckheaton, West Yorkshire, BD19 5HT Type: Transfer Station taking Non-Biodegradable Wastes Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HSM002 EPR reference: EA/EPR/KP3795ZB/A001 Operator: H Smith & Son Waste Management licence No: 61028 Annual Tonnage: 4999.0	Issue Date: 11/08/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: H Smith & Son Correspondence Address: -	
Not shown	1403	SW	418400 425100	Site Address: Land/premises At, Robert Street, Cleckheaton, West Yorkshire, BD19 5HT Type: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HSM001 EPR reference: EA/EPR/XP3495ZK/A001 Operator: H Smith & Sons Limited Waste Management licence No: 61002 Annual Tonnage: 70000.0	Issue Date: 13/11/1990 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: H Smith & Son Correspondence Address: -	

4. Current Land Use Map



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4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 2

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	167	SW	Tank	419185 426082	Tank, BD19	Tanks (Generic)	Industrial Features
2	250	SE	Tank	419675 425991	Tank, BD19	Tanks (Generic)	Industrial Features

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site: 0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

5.2 Superficial Ground and Drift Geology

Database searched and no data found.

The database has been searched on site, including a 50m buffer.

5.3 Bedrock and Solid Geology

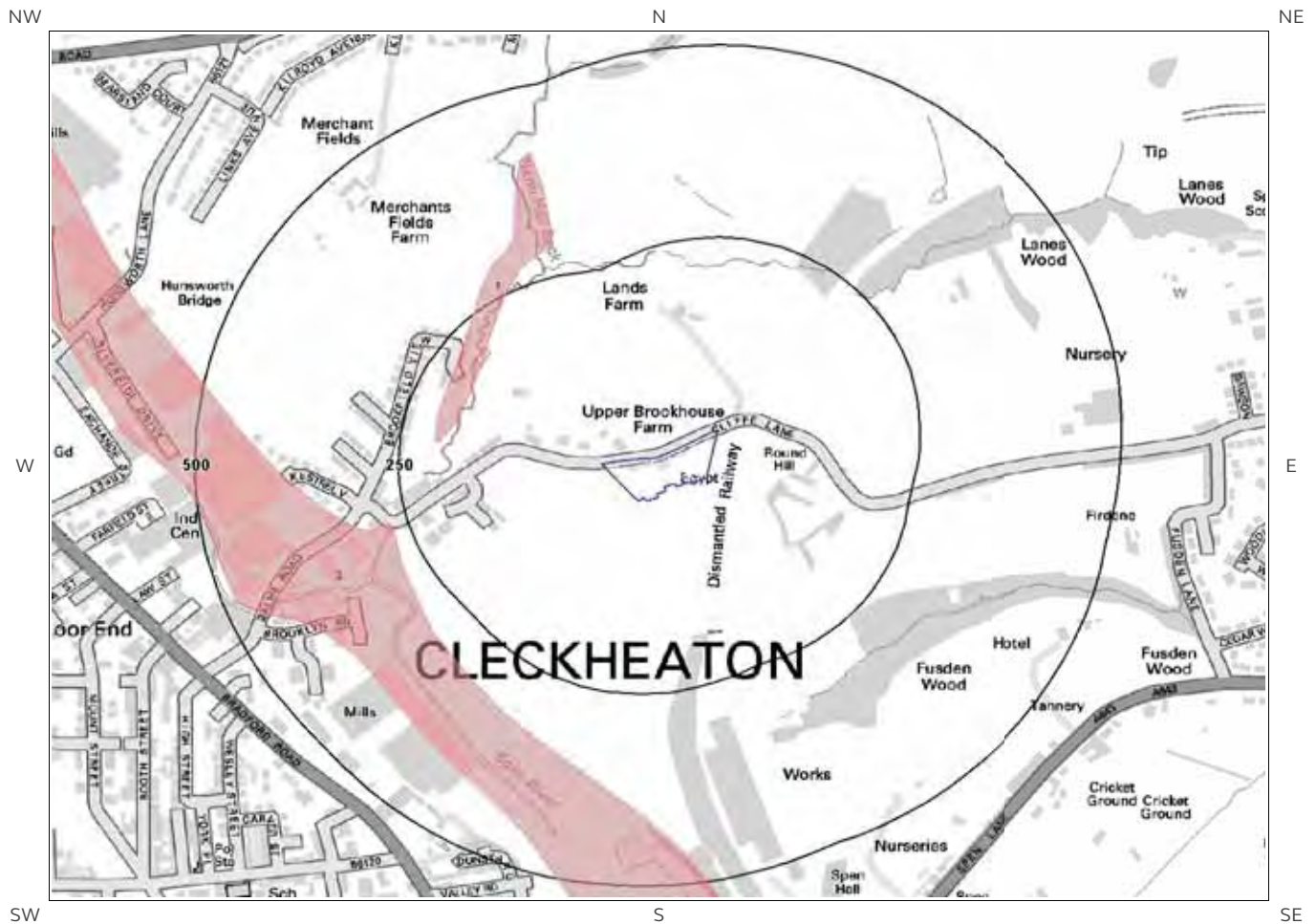
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE
PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION	SANDSTONE
PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION	SANDSTONE
PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE

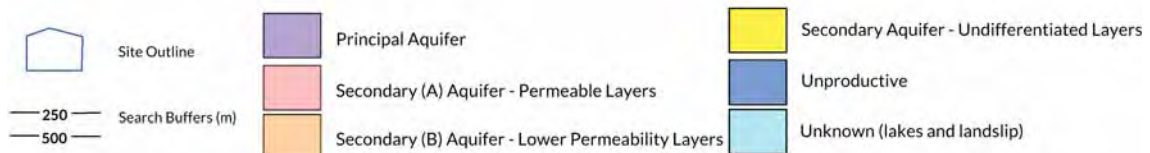
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

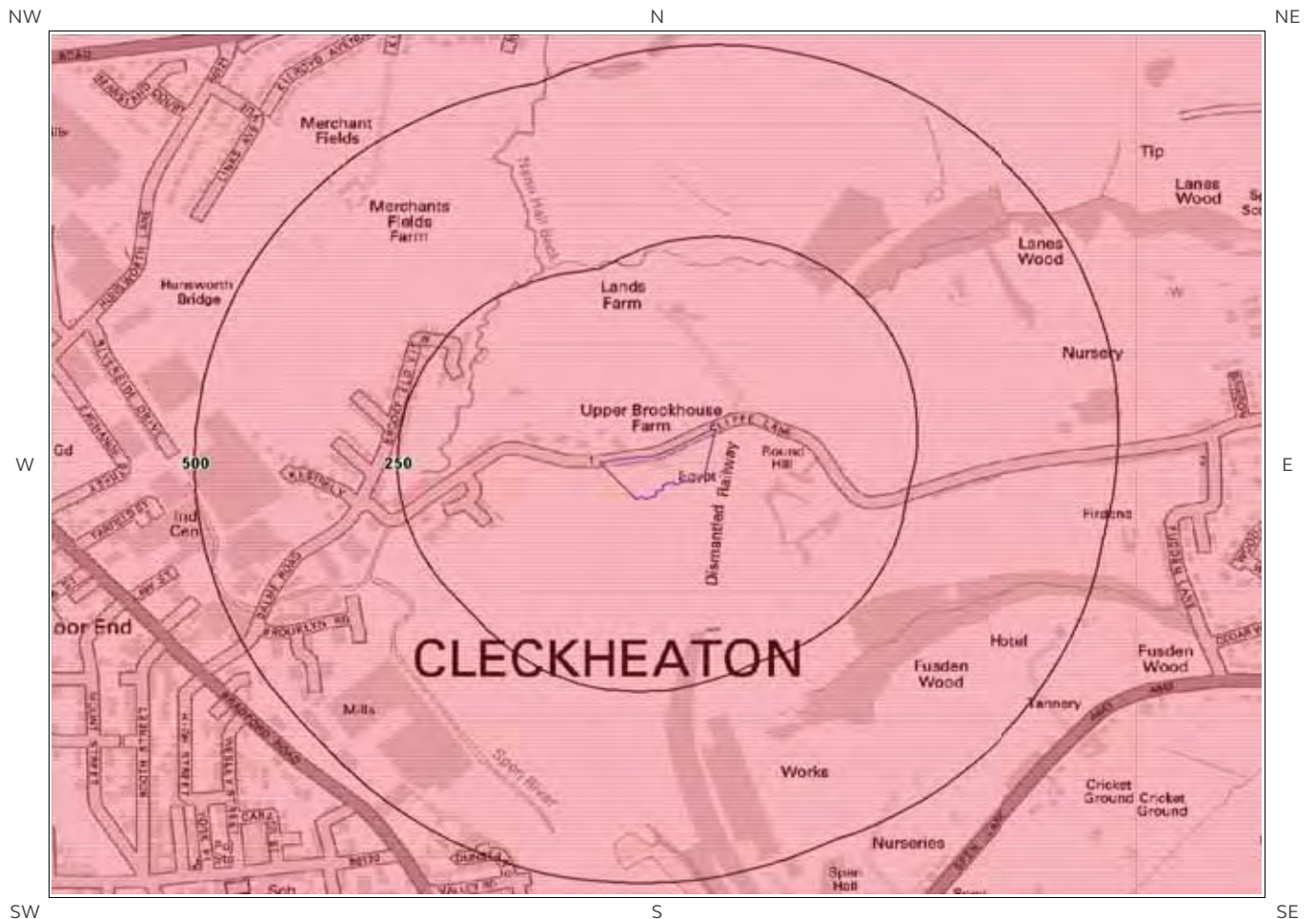
6a. Aquifer Within Superficial Geology



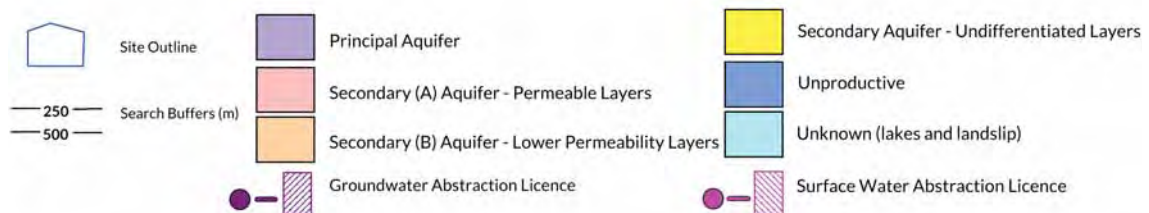
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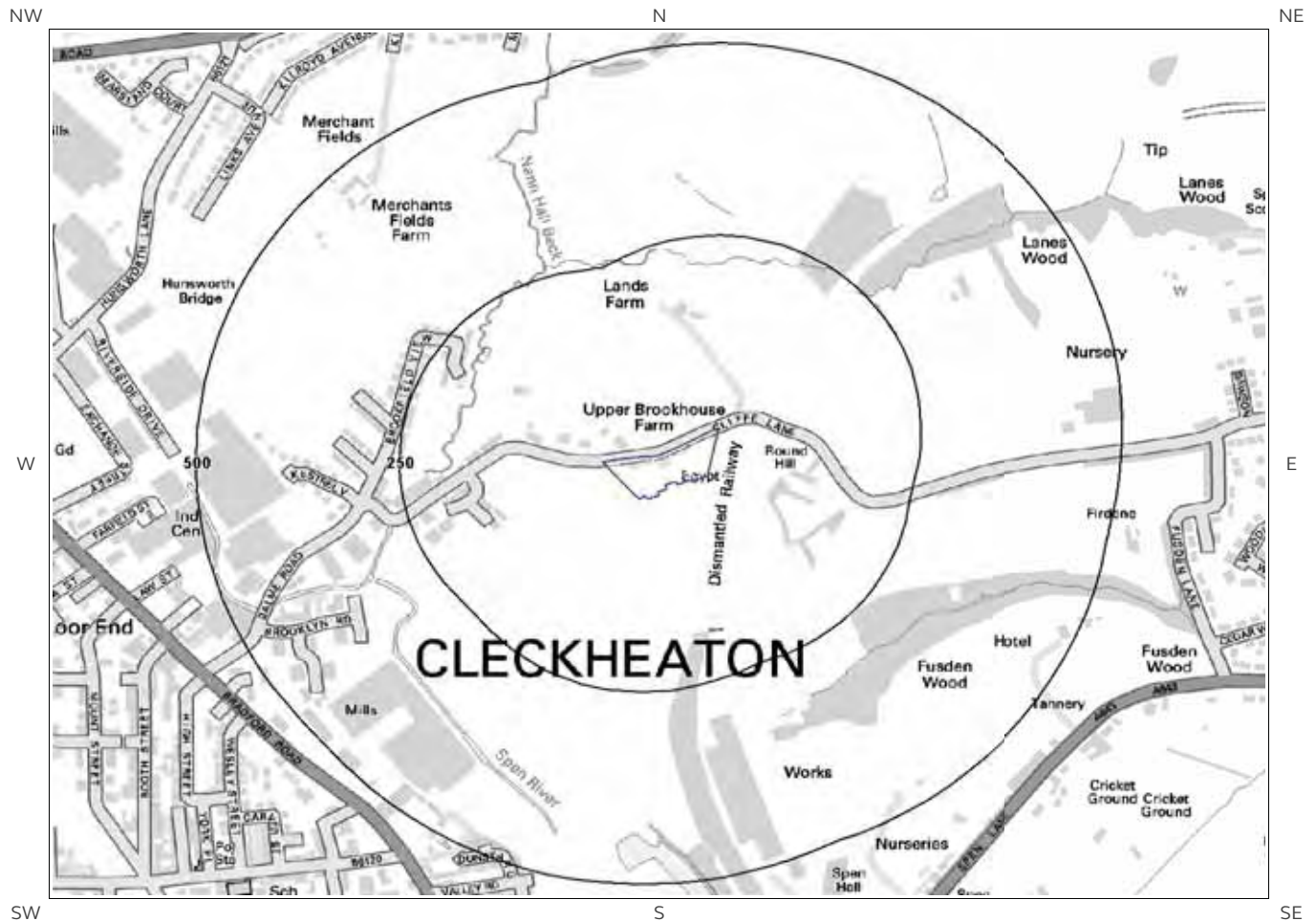
6b. Aquifer Within Bedrock Geology and Abstraction Licenses



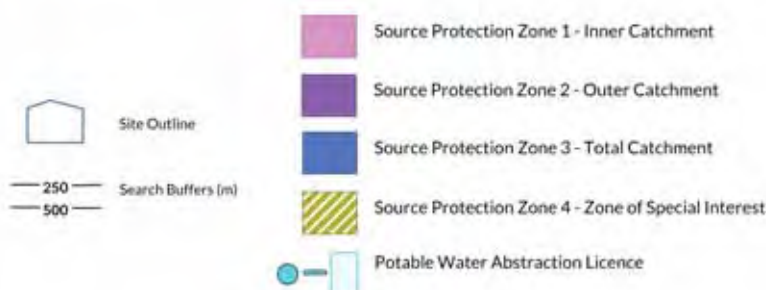
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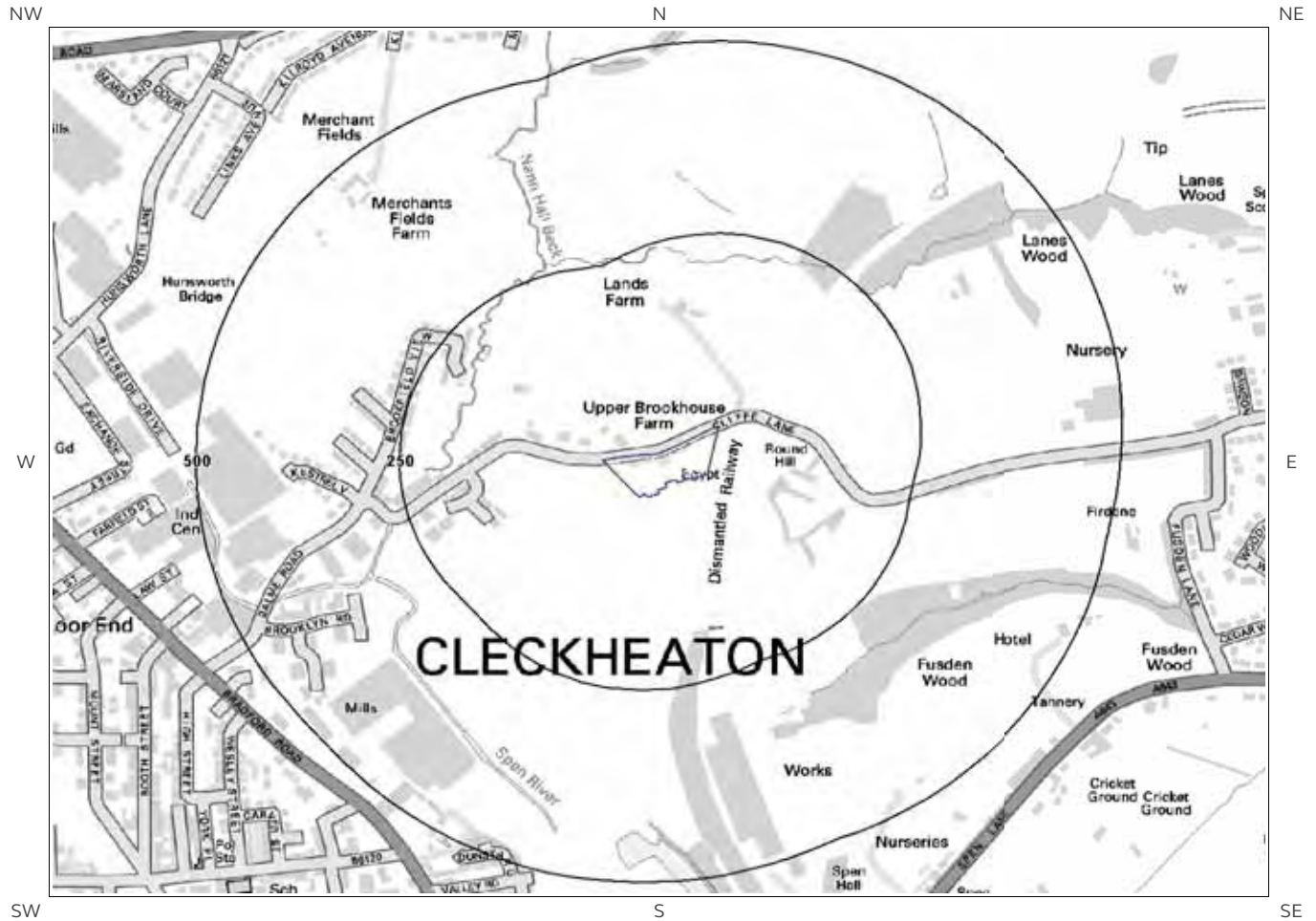
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



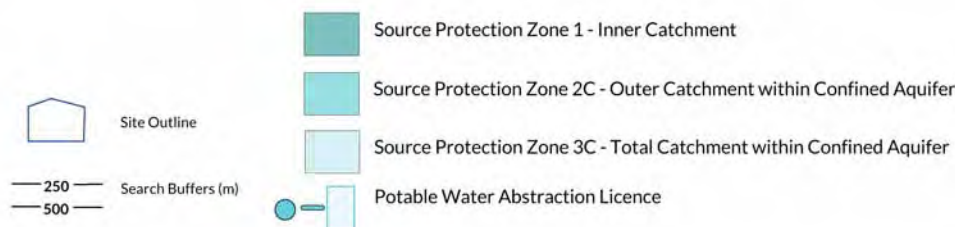
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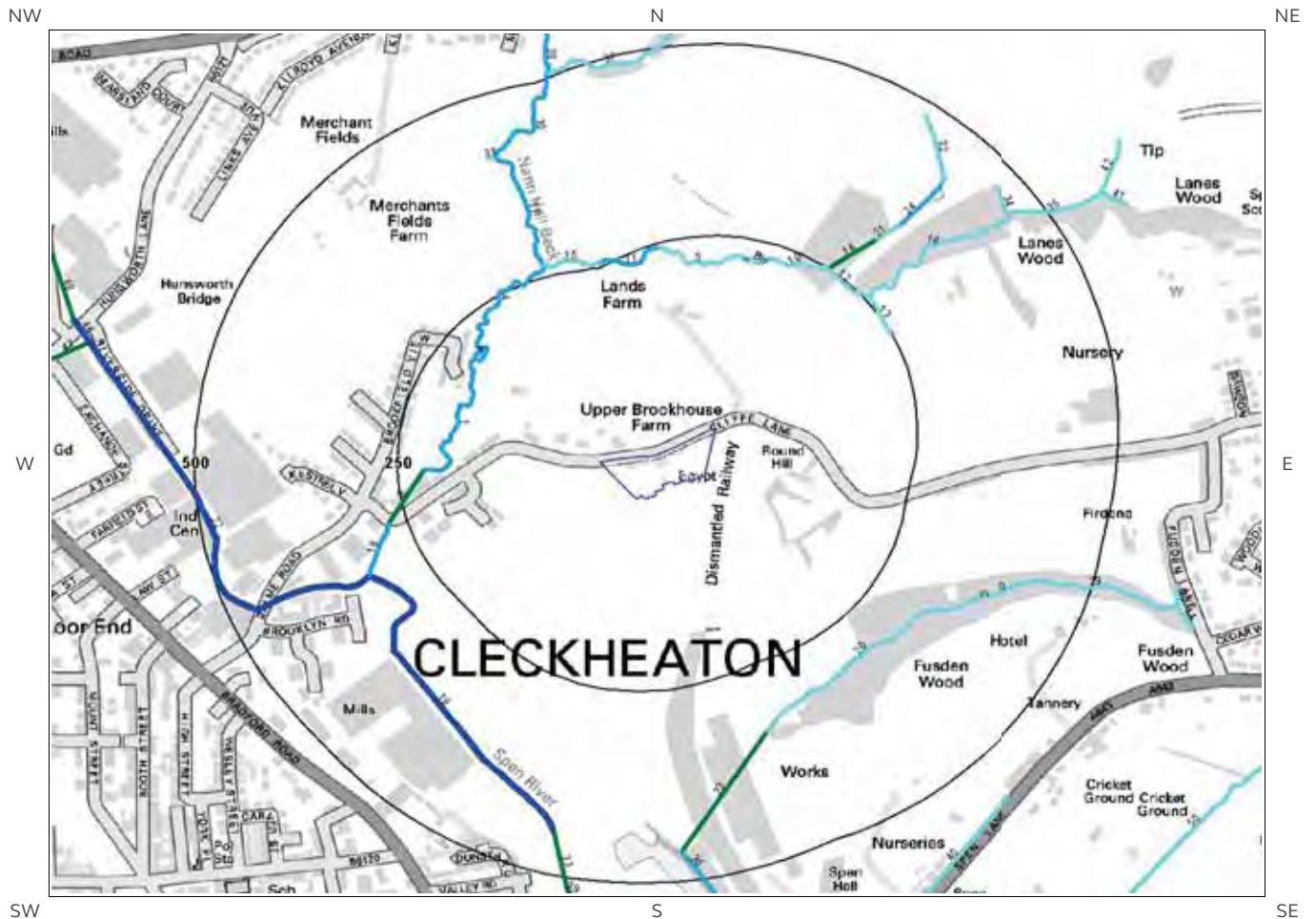
6d. Hydrogeology – Source Protection Zones within confined aquifer



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6e. Hydrology – Detailed River Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property?
Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
1	186	W	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	270	W	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

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	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

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site?

Yes

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	1025	E	420500 426100	Status: Historical Licence No: 2/27/13/001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Groundwaters Point: Boreholes X 2 Data Type: Point Name: GOMERSAL MILLS LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 31 Original Start Date: 1/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 28/2/1997 Version End Date:
Not shown	1025	E	420500 426100	Status: Historical Licence No: 2/27/13/001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Groundwaters Point: Boreholes X 2 - Coal Measures Data Type: Point Name: GOMERSAL MILLS LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 00031 Original Start Date: 1/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2002 Version End Date:
Not shown	1040	W	418300 426200	Status: Historical Licence No: 2/27/13/022 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Groundwaters Point: Borehole - Coal Measures - Cleckheaton Data Type: Point Name: METROTECT LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 03611 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 21/10/1996 Version End Date:
Not shown	1040	W	418300 426200	Status: Historical Licence No: 2/27/13/022 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Groundwaters Point: Borehole Data Type: Point Name: METROTECT LIMITED Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 3611 Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 21/10/1996 Version End Date:
Not shown	1539	W	417901 426699	Status: Active Licence No: 2/27/13/221/R01 Details: Spray Irrigation - Direct Direct Source: Groundwaters Point: Borehole - Coal Measures - Cleckheaton Data Type: Point Name: CLECKHEATON & DISTRICT GOLF CLUB Annual Volume (m³): 6750 Max Daily Volume (m³): 168 Original Application No: NPS/WR/016684 Original Start Date: 1/4/2015 Expiry Date: 31/3/2027 Issue No: 1 Version Start Date: 1/4/2015 Version End Date:
Not shown	1539	W	417901 426699	Status: Historical Licence No: 2/27/13/221 Details: Spray Irrigation - Direct Direct Source: Groundwaters Point: Borehole - Coal Measures - Cleckheaton Data Type: Point Name: CLECKHEATON & DISTRICT GOLF CLUB Annual Volume (m³): 6750 Max Daily Volume (m³): 168 Original Application No: 8203 Original Start Date: 1/1/2007 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 1/1/2007 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1541	W	417900 426700	Status: Historical Licence No: 2/27/13/187 Details: Spray Irrigation - Direct Direct Source: Groundwaters Point: Borehole - Coal Measures - Cleckheaton Data Type: Point Name: CLECKHEATON & DISTRICT GOLF CLUB Annual Volume (m³): 13500 Max Daily Volume (m³): 168 Original Application No: 6799 Original Start Date: 10/3/1997 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 10/3/1997 Version End Date:
Not shown	1541	W	417900 426700	Status: Historical Licence No: 2/27/13/187 Details: Spray Irrigation - Direct Direct Source: Groundwaters Point: Borehole Data Type: Point Name: CLECKHEATON & DISTRICT GOLF CLUB Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 6799 Original Start Date: 10/3/1997 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 10/3/1997 Version End Date:
Not shown	1541	W	417900 426700	Status: Historical Licence No: 2/27/13/221 Details: Spray Irrigation - Direct Direct Source: Groundwaters Point: Borehole - Coal Measures - Cleckheaton Data Type: Point Name: CLECKHEATON & DISTRICT GOLF CLUB Annual Volume (m³): 6750 Max Daily Volume (m³): 168 Original Application No: 8203 Original Start Date: 1/1/2007 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 1/1/2007 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site?

No

Database searched and no data found.

6.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site?

No

Database searched and no data found.

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site?

No

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site? No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site? Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/Low Leaching Potential	L	Soils in which pollutants are unlikely to penetrate the soil layer because either water movement is largely horizontal, or they have the ability to attenuate diffuse pollutants.
226	SW	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.
439	E	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

6.9 River Quality

Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site? Yes

6.9.1 Biological Quality:

Database searched and no data found.

6.9.2 Chemical Quality:

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAH). In England, each chemical sample is measured for ammonia and dissolved oxygen. In Wales, the samples are measured for biological oxygen demand (BOD), ammonia and dissolved oxygen. The results are graded from A ('Very Good') to F ('Bad').

The following Chemical Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
Not shown	807	S	419500 425300	River Name: Spen Beck/dean Beck Reach: Cleckheaton U/s Spenborough End/Start of Stretch: Start of Stretch NGR	C	C	C	C	B

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site? Yes

The following Detailed River Network records are represented on the Hydrology Map (6e):

ID	Distance (m)	Direction	Details	
1	177	NW	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
2A	198	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
3A	204	NW	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
4	210	NW	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
5	212	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
6	219	W	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
7B	221	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
8	222	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
9B	223	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
10	229	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
11	233	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
12	247	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
13	249	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
14	250	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
15	254	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
16	257	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
17	263	N	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
18	272	W	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
19	295	SW	River Name: Spen River Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
20	301	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
21	315	NE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
22	322	SW	River Name: Spen River Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
23	337	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
24	350	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
25C	369	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
26C	372	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
27D	391	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
28D	391	SE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
29	409	E	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
30	417	N	River Name: Nann Hall Beck Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
31	417	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
32	422	NE	River Name: Drain Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
33	445	S	River Name: Spen River Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
34	459	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
35	460	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined
36	462	S	River Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Main River Status: Currently Undefined
37	486	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

6.11 Surface Water Features

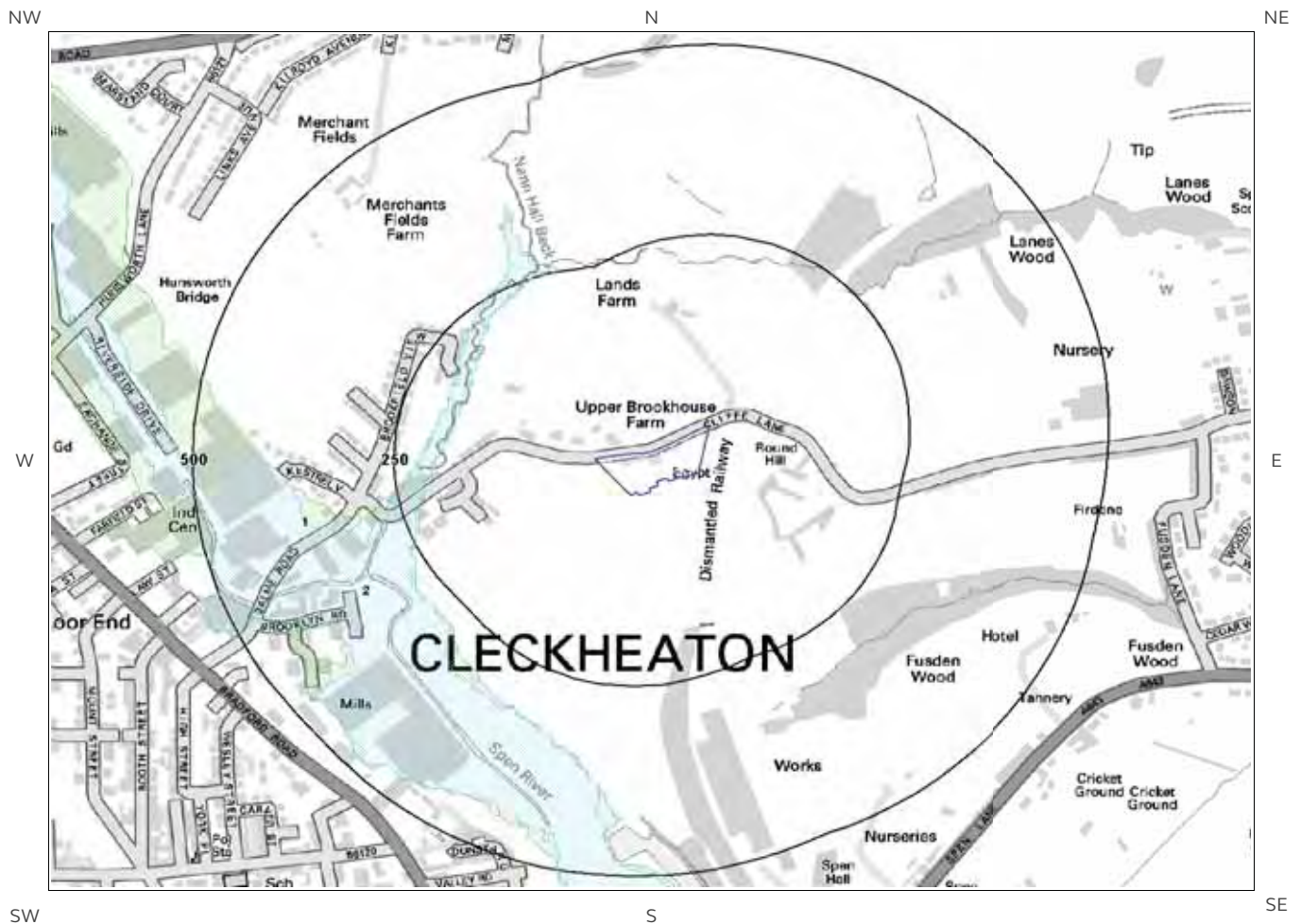
Are there any surface water features within 250m of the study site?

Yes

The following surface water records are not represented on mapping:

Distance (m)	Direction
176	NW
212	N
222	N
227	N
229	N
247	NE

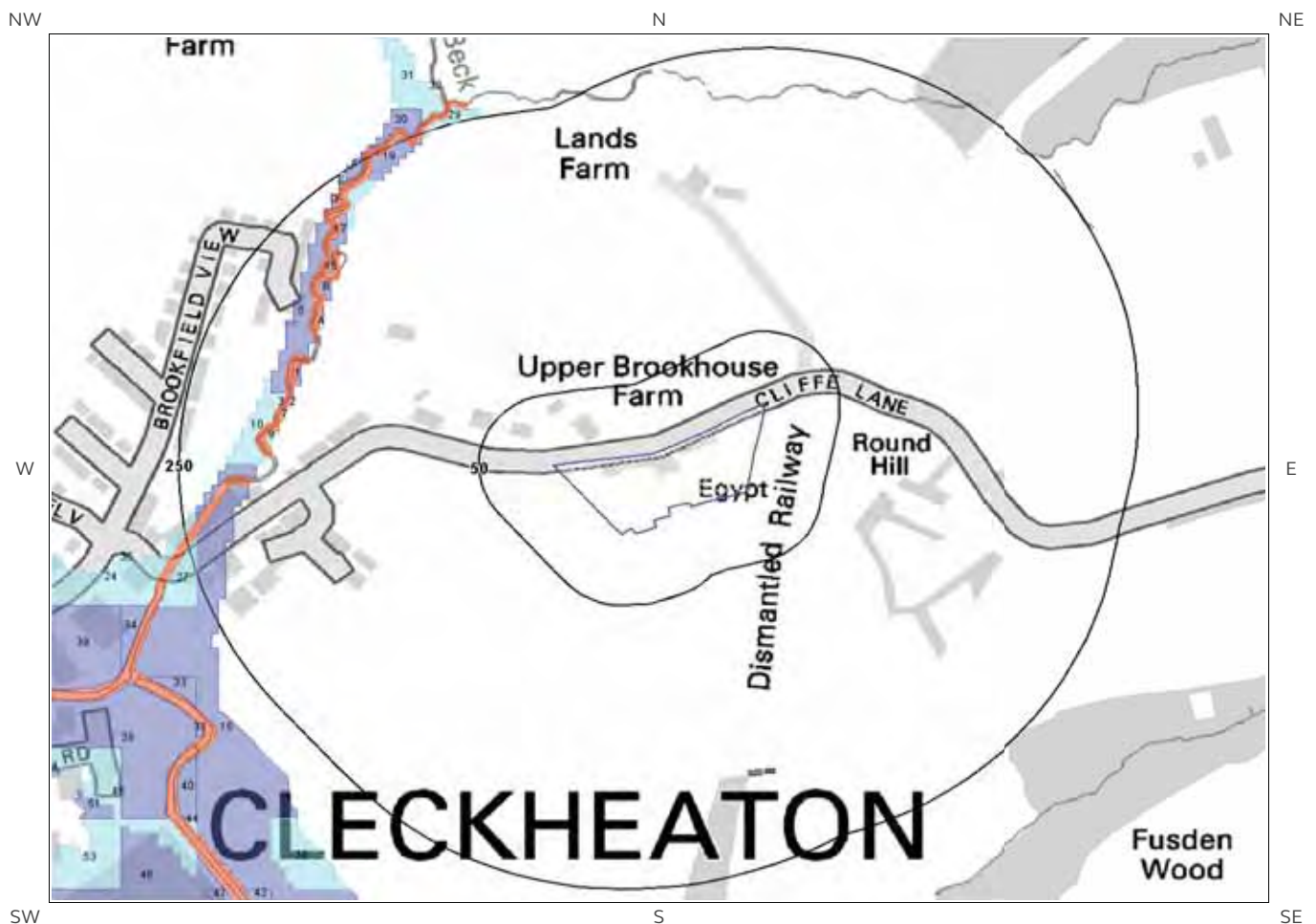
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



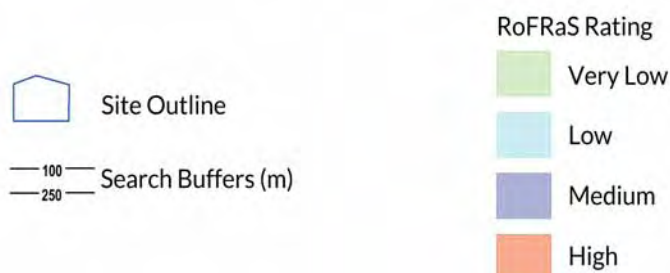
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 2 floodplain? Yes

Environment Agency/Natural Resources Wales Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

ID	Distance (m)	Direction	Update	Type
1	178	W	01-Feb-2017	Zone 2 - (Fluvial /Tidal Models)

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 3 floodplain? Yes

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

ID	Distance (m)	Direction	Update	Type
1	178	W	01-Feb-2017	Zone 3 - (Fluvial Models)

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency/Natural Resources Wales RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site? No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Clearwater & Superficial Deposits Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Limited potential

Where limited potential for groundwater flooding to occur is indicated, this means that although given the geological conditions there may be a groundwater flooding hazard, unless other relevant information, e.g. records of previous flooding, suggests groundwater flooding has occurred before in this area, you need take no further action in relation to groundwater flooding hazard.

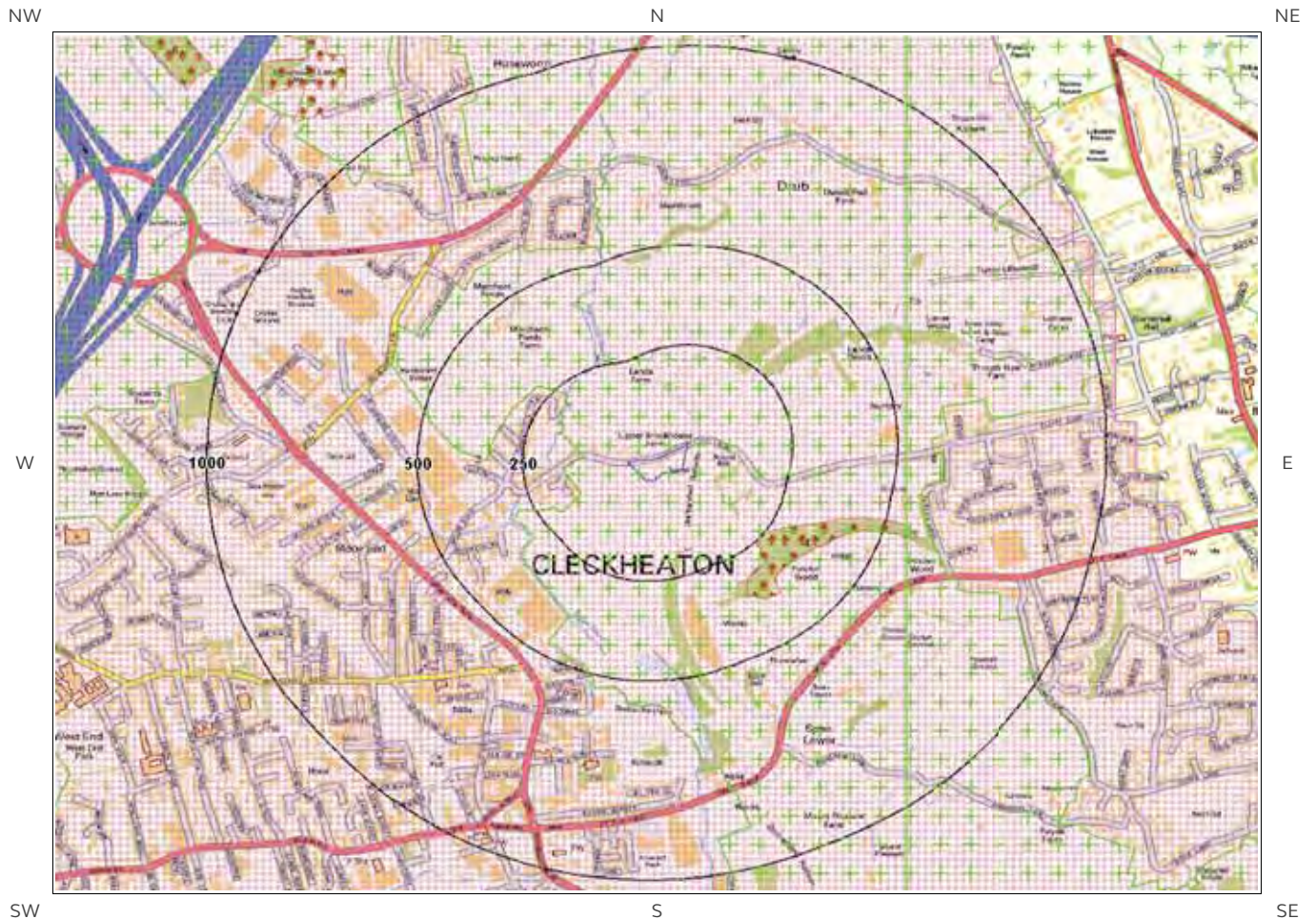
7.8 Groundwater Flooding Confidence Areas

What is the British Geological Survey confidence rating in this result? Low

Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site?
 Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

3

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
4	249	SE	UNKNOWN	Ancient Replanted Woodland
5	1140	NW	UNKNOWN	Ancient and Semi-Natural Woodland
6	1396	NW	UNKNOWN	Ancient and Semi-Natural Woodland

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

1

The following Local Nature Reserve (LNR) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	LNR Name	Data Source
Not shown	1702	E	Oakwell Park	Natural England

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

2

The following Nitrate Vulnerable Zone records produced by DEFRA are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	NVZ Name	Data Source
2	0	On Site	Existing	DEFRA
3	521	E	Existing	DEFRA

8.14 Records of Green Belt land within 2000m of the study site:

6

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ID	Distance	Direction	Green Belt Name	Local Authority Name
7	0	On Site	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)
8	521	E	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)
Not shown	1529	N	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)
Not shown	1804	N	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)
Not shown	1812	S	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)
Not shown	1953	S	Liverpool, Manchester and West Yorks Greenbelt	Kirklees District (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a Groundsure Geo Insight, available from our [website](#). The following information has been found:

9.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

9.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to drainage or excavations take place. Possible increase in construction cost to reduce potential slope stability problems. Existing property no significant increase in insurance risk due to natural slope instability problems.

9.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for compressible deposits to be present. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

What is the maximum Running Sand** hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

* This indicates an automatically generated 50m buffer and site.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing

ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site? Yes

The following coal mining information provided by the Coal Authority is not represented on Mapping:

Distance (m)	Direction	Details
0	On Site	The study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary? No

Database searched and no data found.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No

Guidance: No Guidance Required.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com



British Geological Survey Enquiries
Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:



Web: www.bgs.ac.uk
BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency
National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 03708 506 506
Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk



Public Health England
Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe
Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000



The Coal Authority
200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk



Ordnance Survey
Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505



Local Authority
Authority: Kirklees Council
Phone: 01484 221 000
Web: <http://www.kirklees.gov.uk/>
Address: Civic Centre 3, Market Street, Huddersfield, HD1 1WG

Gemapping PLC
Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444



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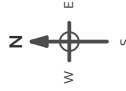
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Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1854

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised N/A
Edition 1854
Copyright N/A
Levelled N/A

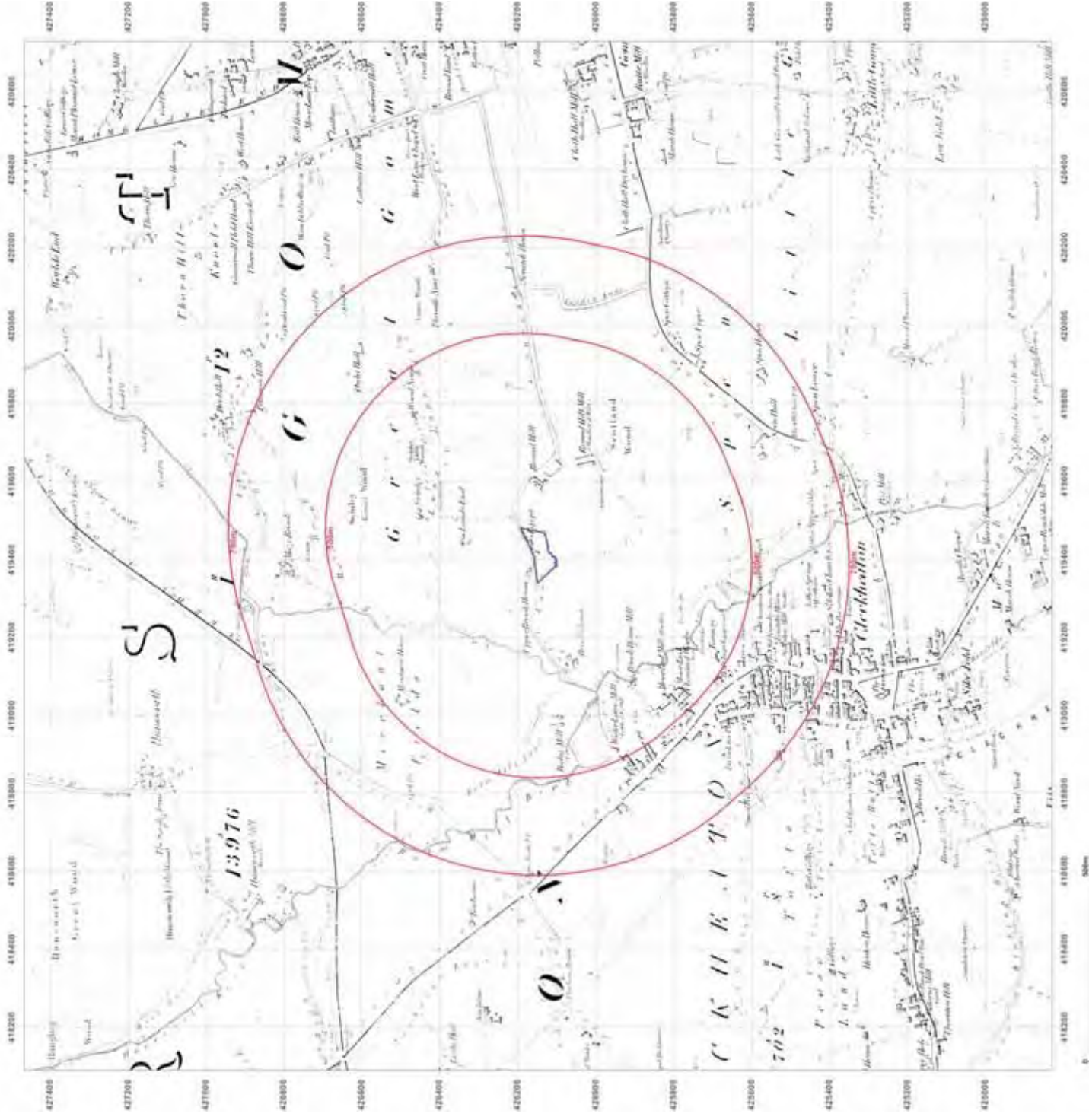


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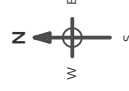
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Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1892	Surveyed 1892
Revised 1892	Revised 1892
Edition N/A	Edition N/A
Copyright N/A	Copyright N/A
Levelled N/A	Levelled N/A

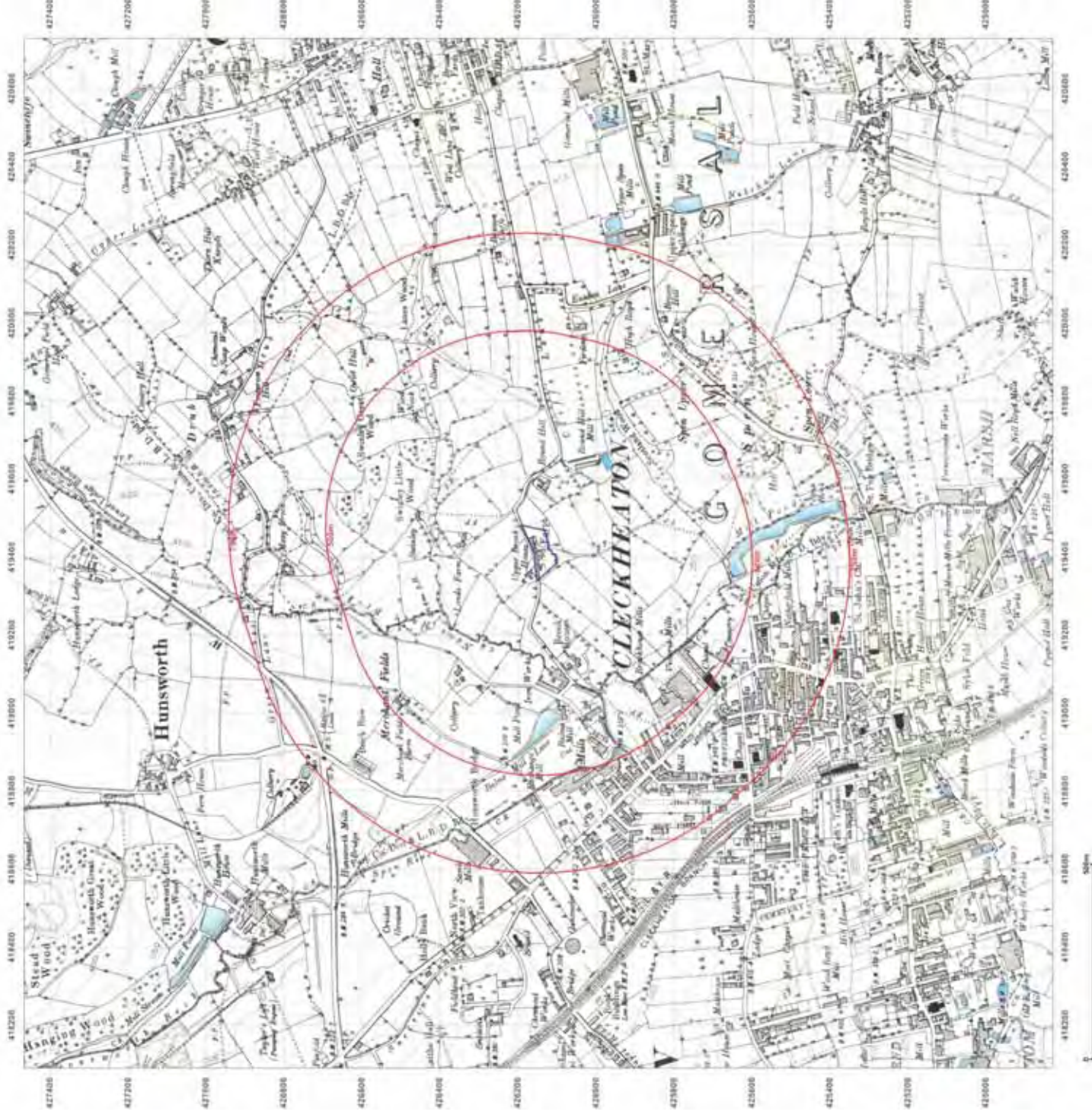


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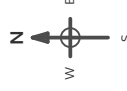
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Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1889	Surveyed 1889
Revised 1905	Revised 1905
Edition N/A	Edition N/A
Copyright N/A	Copyright N/A
Levelled N/A	Levelled N/A

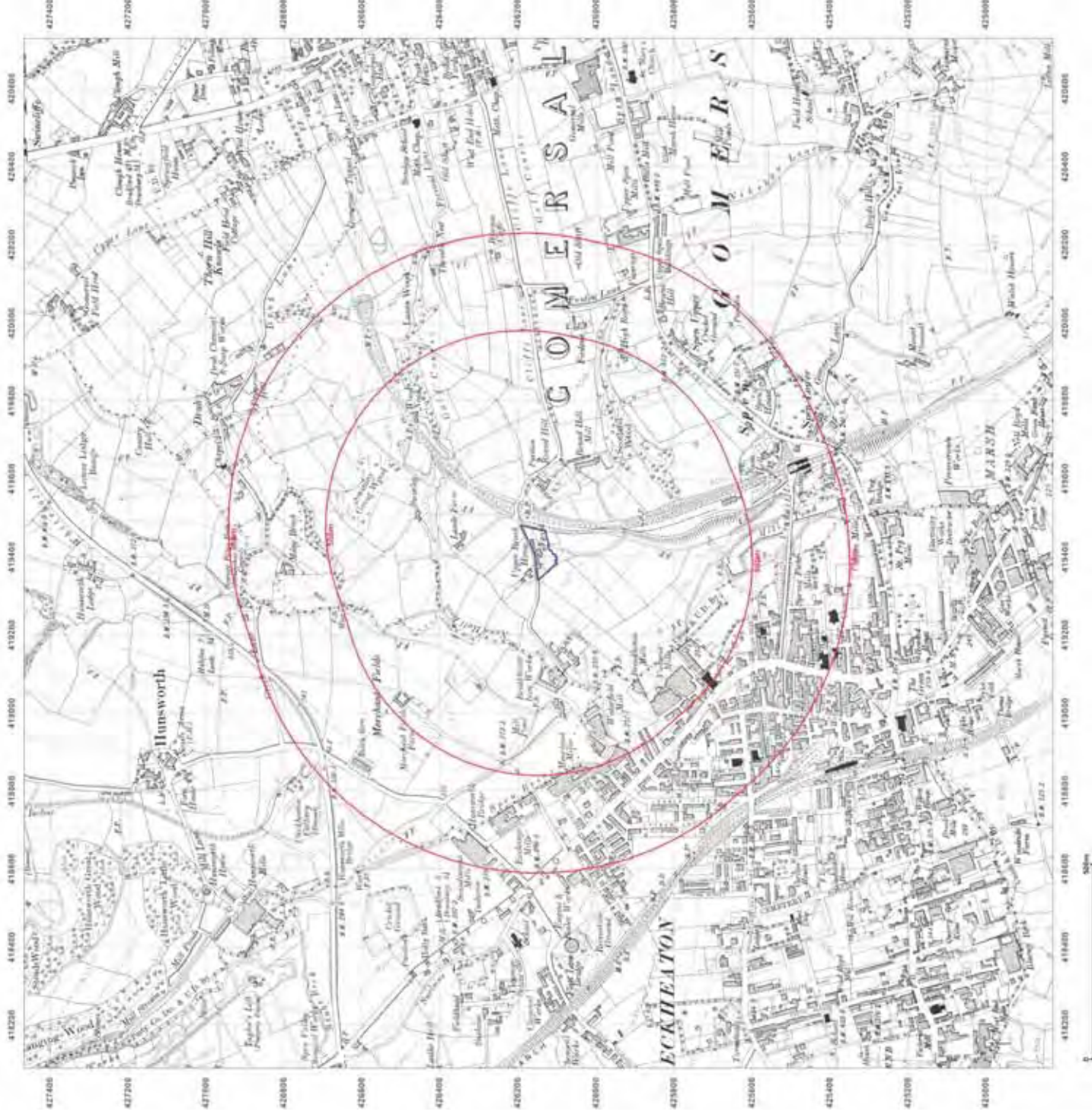


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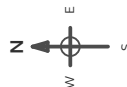
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Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1931-1932

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850	Surveyed 1851
Revised 1932	Revised 1931
Edition N/A	Edition N/A
Copyright N/A	Copyright N/A
Levelled N/A	Levelled N/A

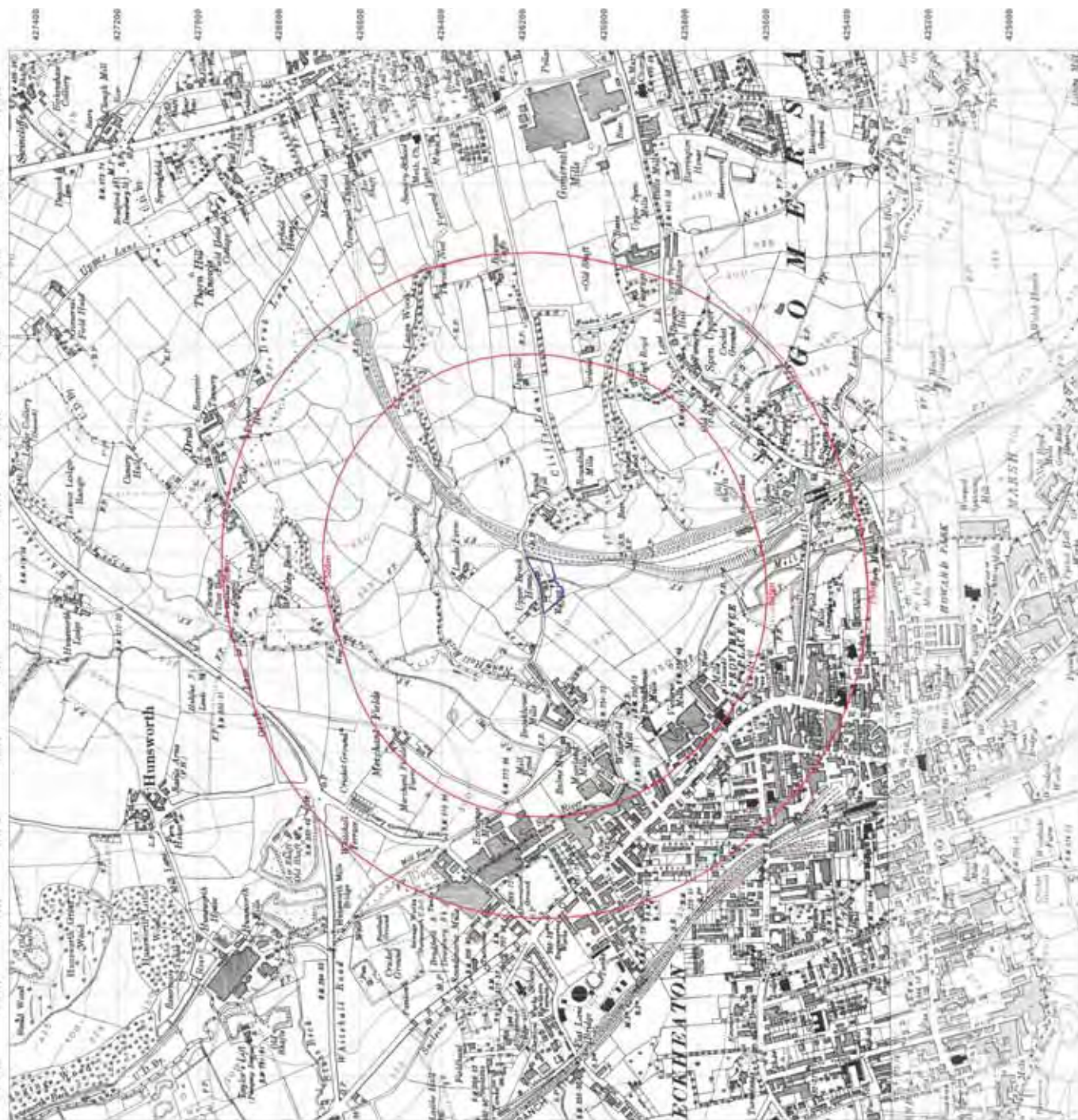


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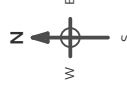
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Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850	Surveyed 1851
Revised 1938	Revised 1938
Edition N/A	Edition N/A
Copyright N/A	Copyright N/A
Levelled N/A	Levelled 1931

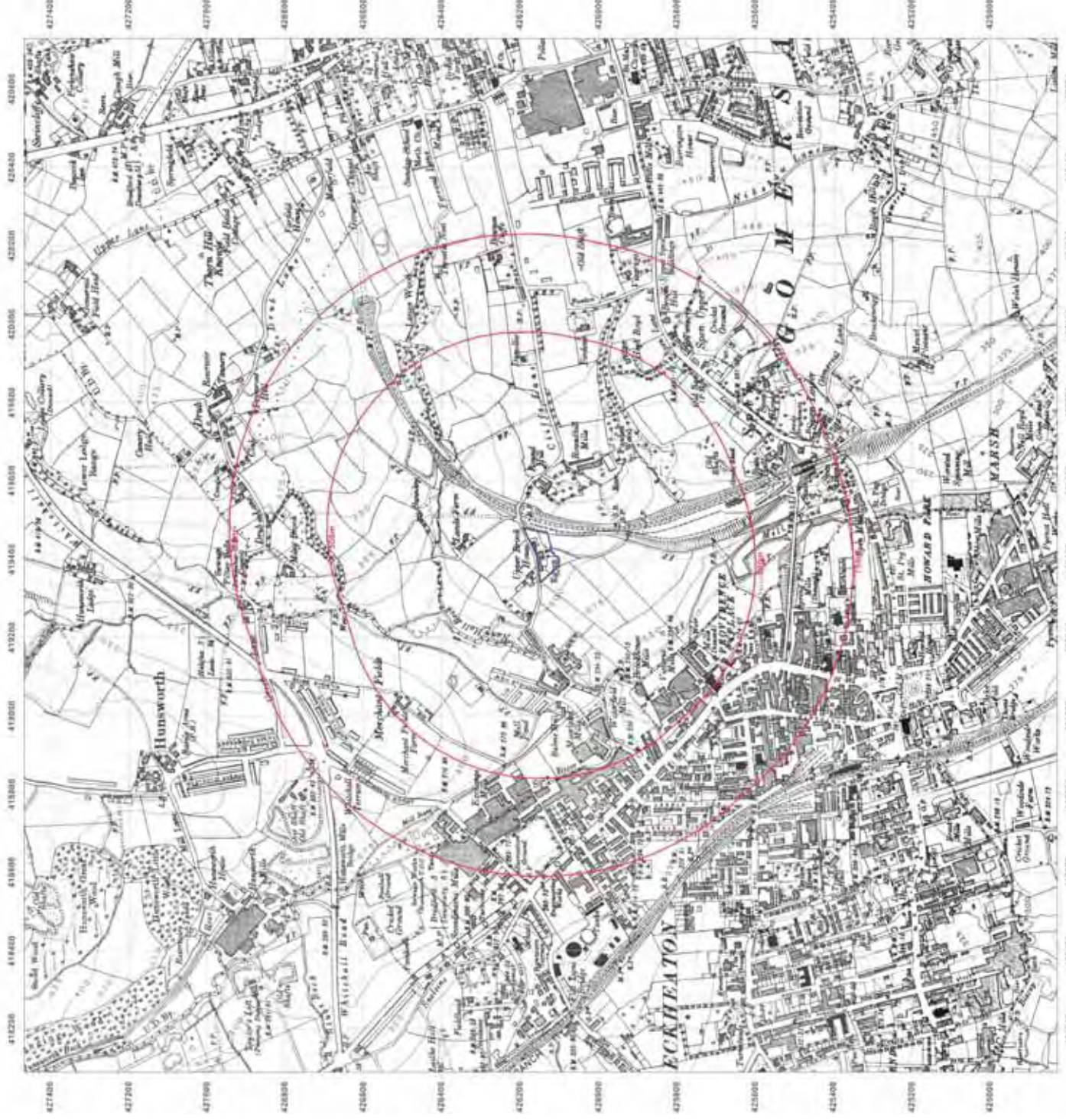


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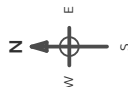
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Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850	Surveyed 1951
Revised 1948	Revised 1948
Edition N/A	Edition N/A
Copyright N/A	Copyright N/A
Levelled 1931	Levelled N/A

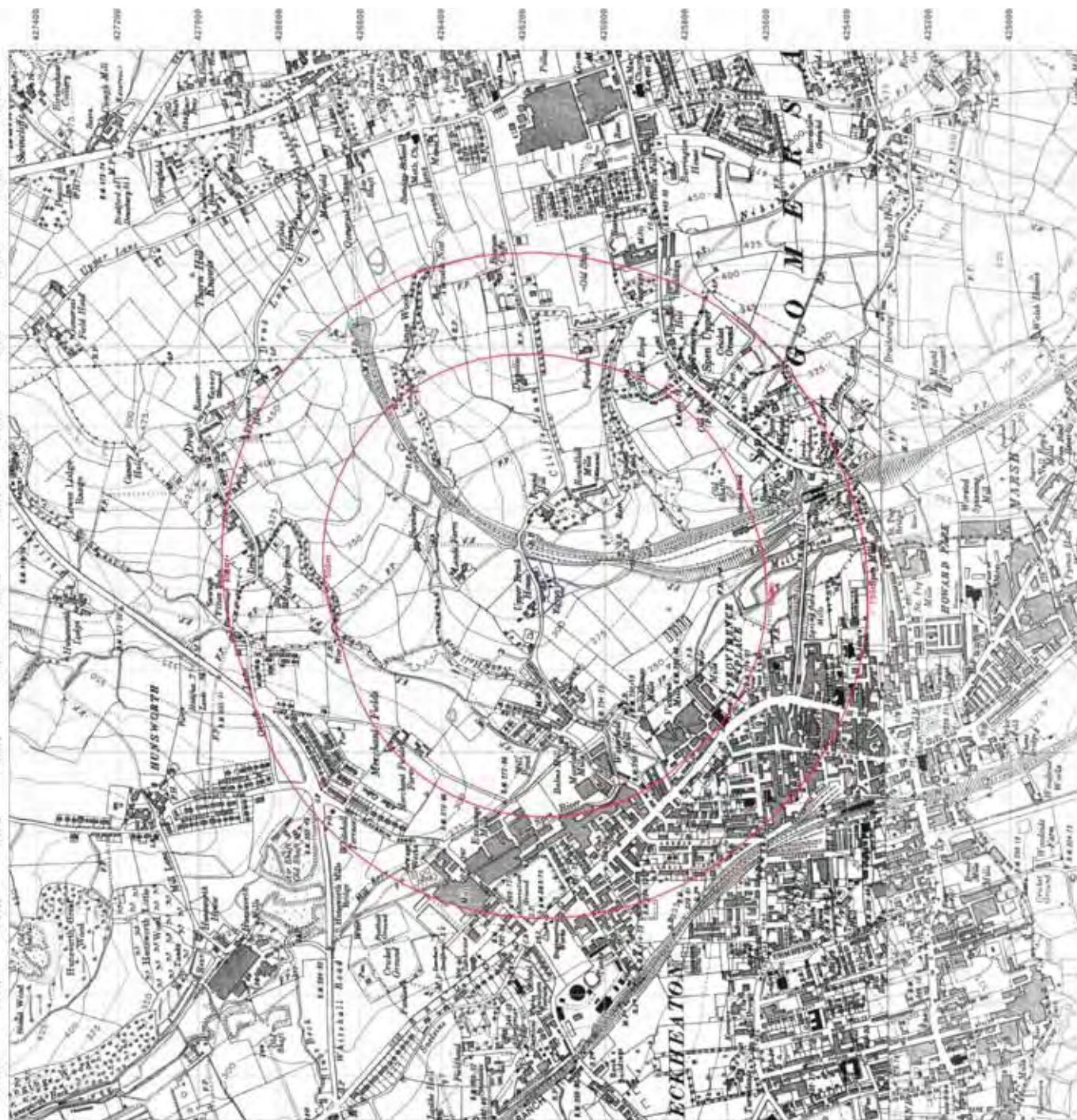


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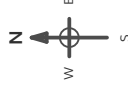
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Map Name: County Series

Map date: 1948

Scale: 1:10,560

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Surveyed 1850
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Edition N/A
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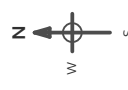
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Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: Provisional

Map date: 1951-1955

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1951
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1951
Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

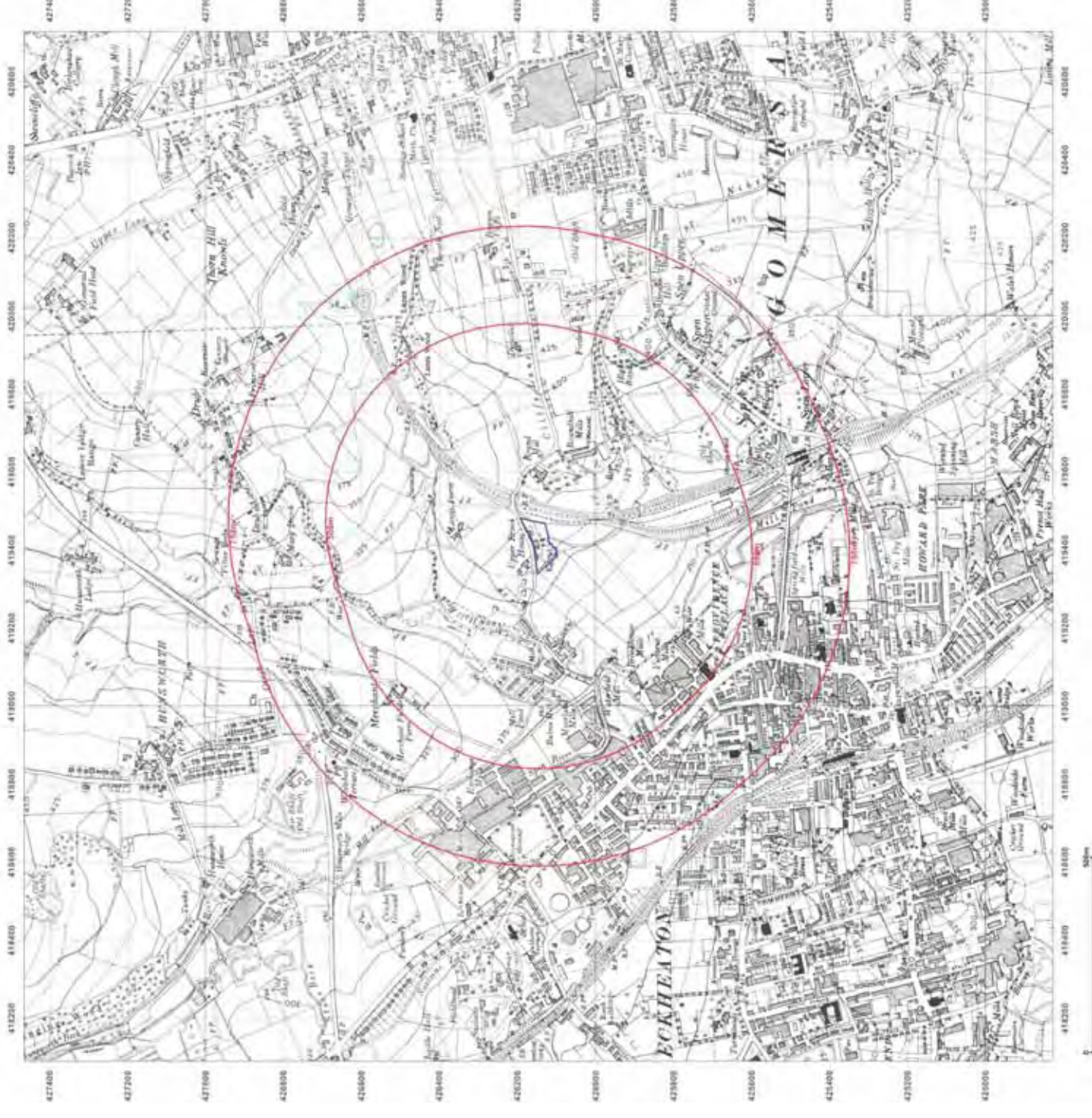


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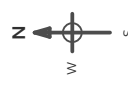


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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: Provisional
Map date: 1966-1967
Scale: 1:10,560
Printed at: 1:10,560



Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1967
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

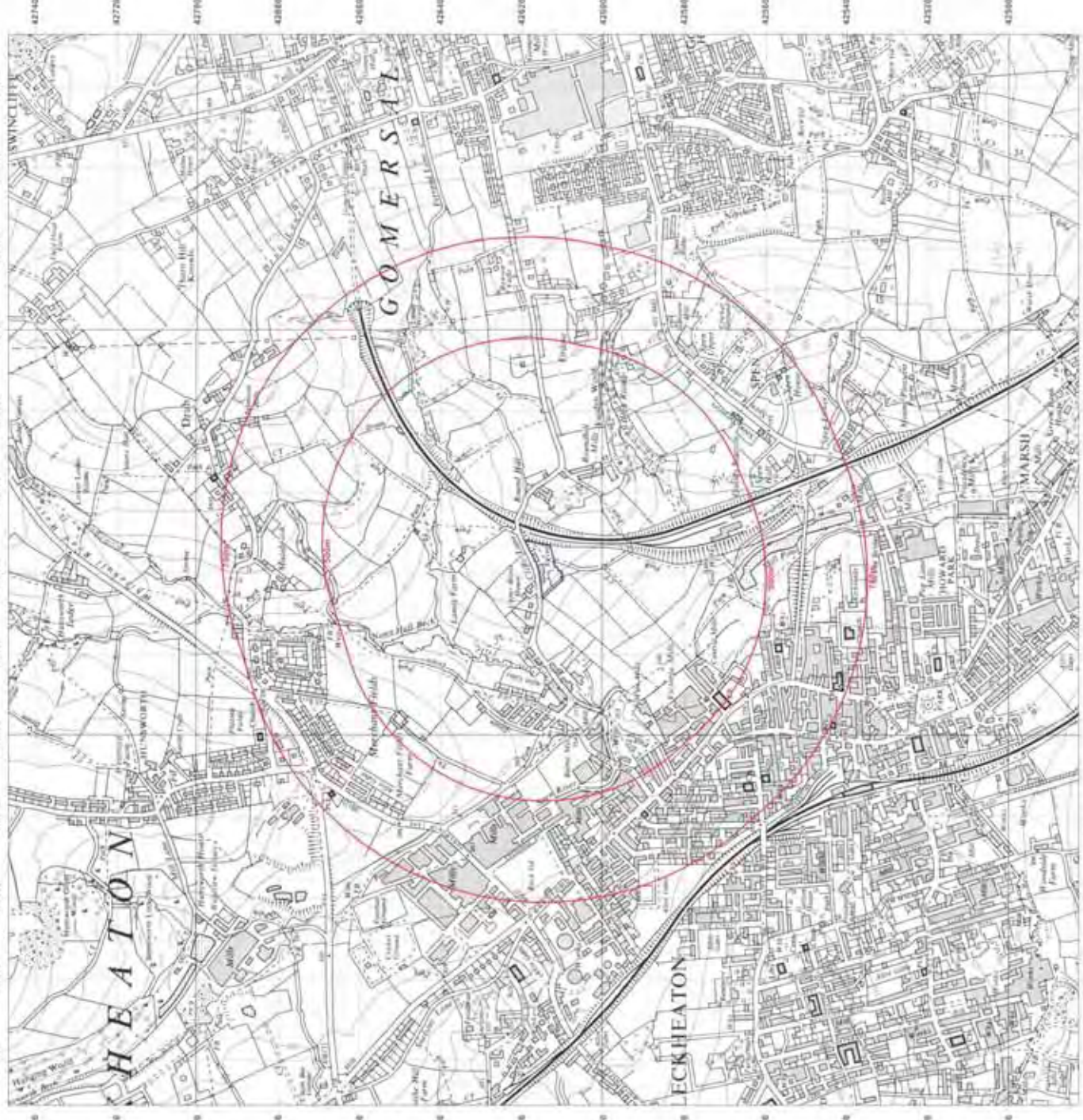


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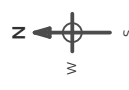
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Report Ref: GS-377455
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1974-1975

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1973
Revised 1974
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1974
Revised 1975
Edition N/A
Copyright N/A
Levelled N/A

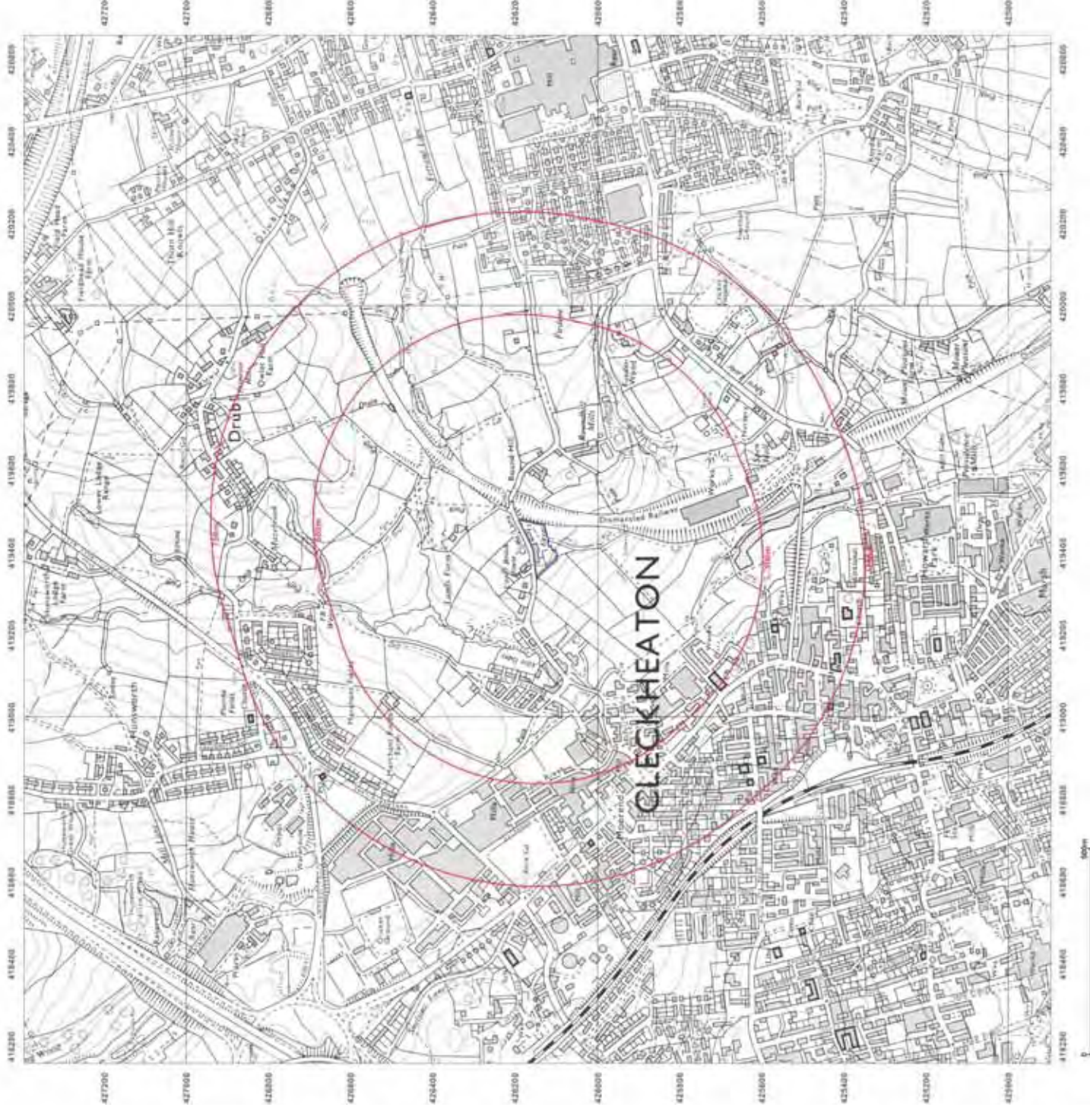


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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1981-1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1982
Revised 1983
Edition N/A
Copyright N/A
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Surveyed 1985
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1985
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1977
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

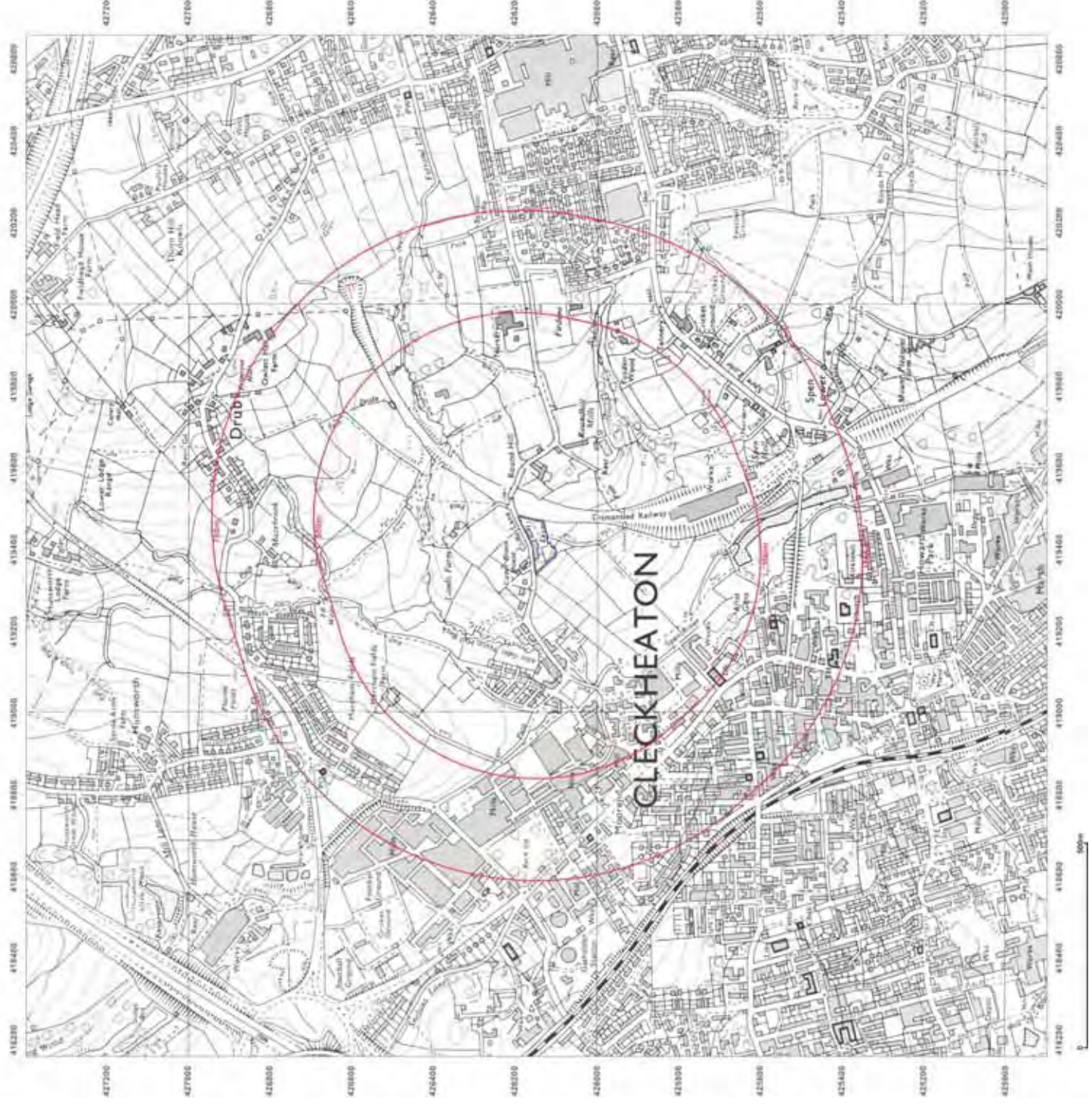


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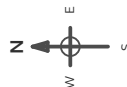
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Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

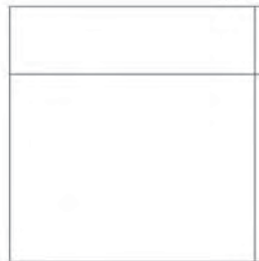
Map date: 1988-1990

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1987
Revised 1990
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1985
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

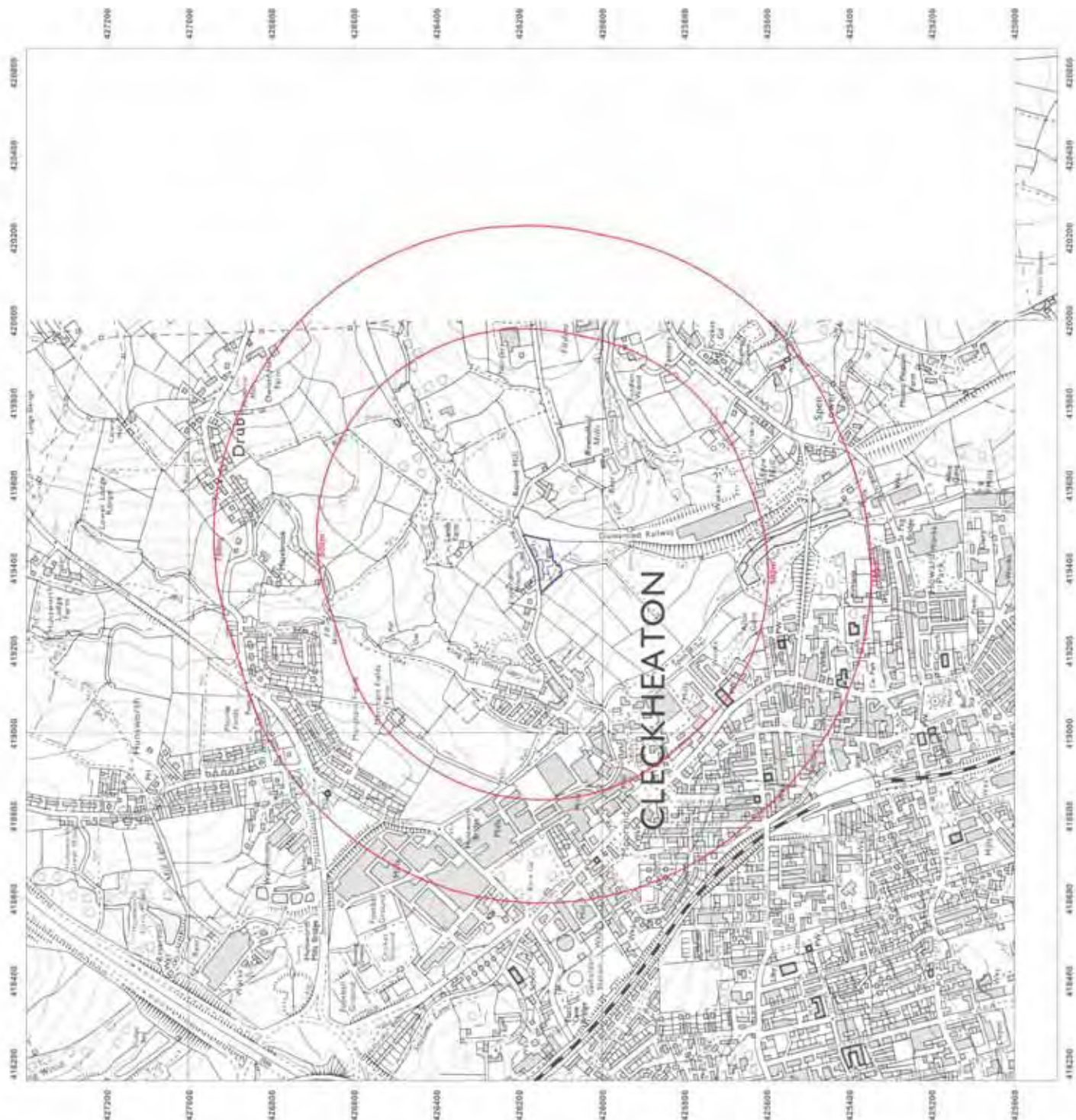


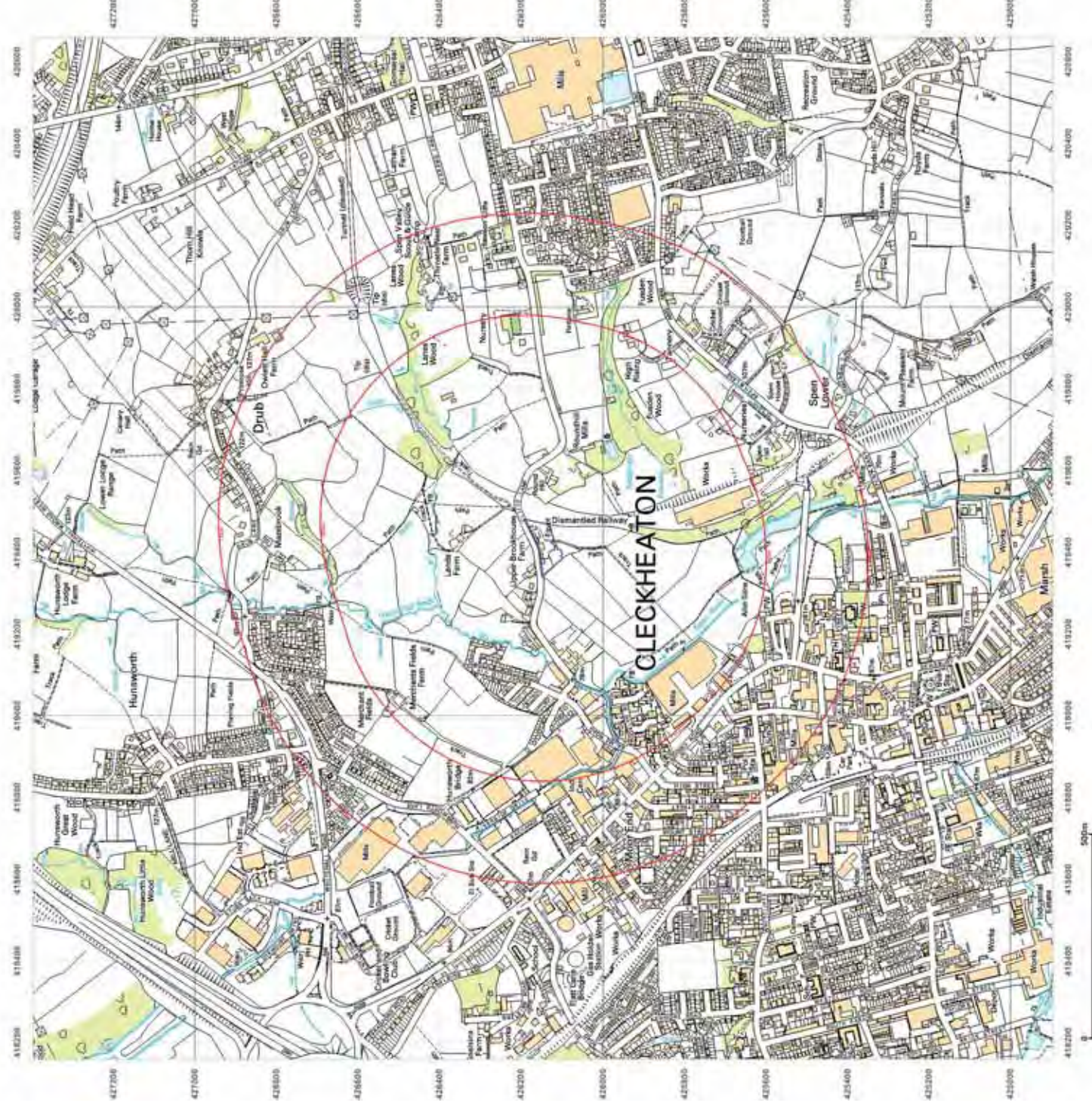
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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

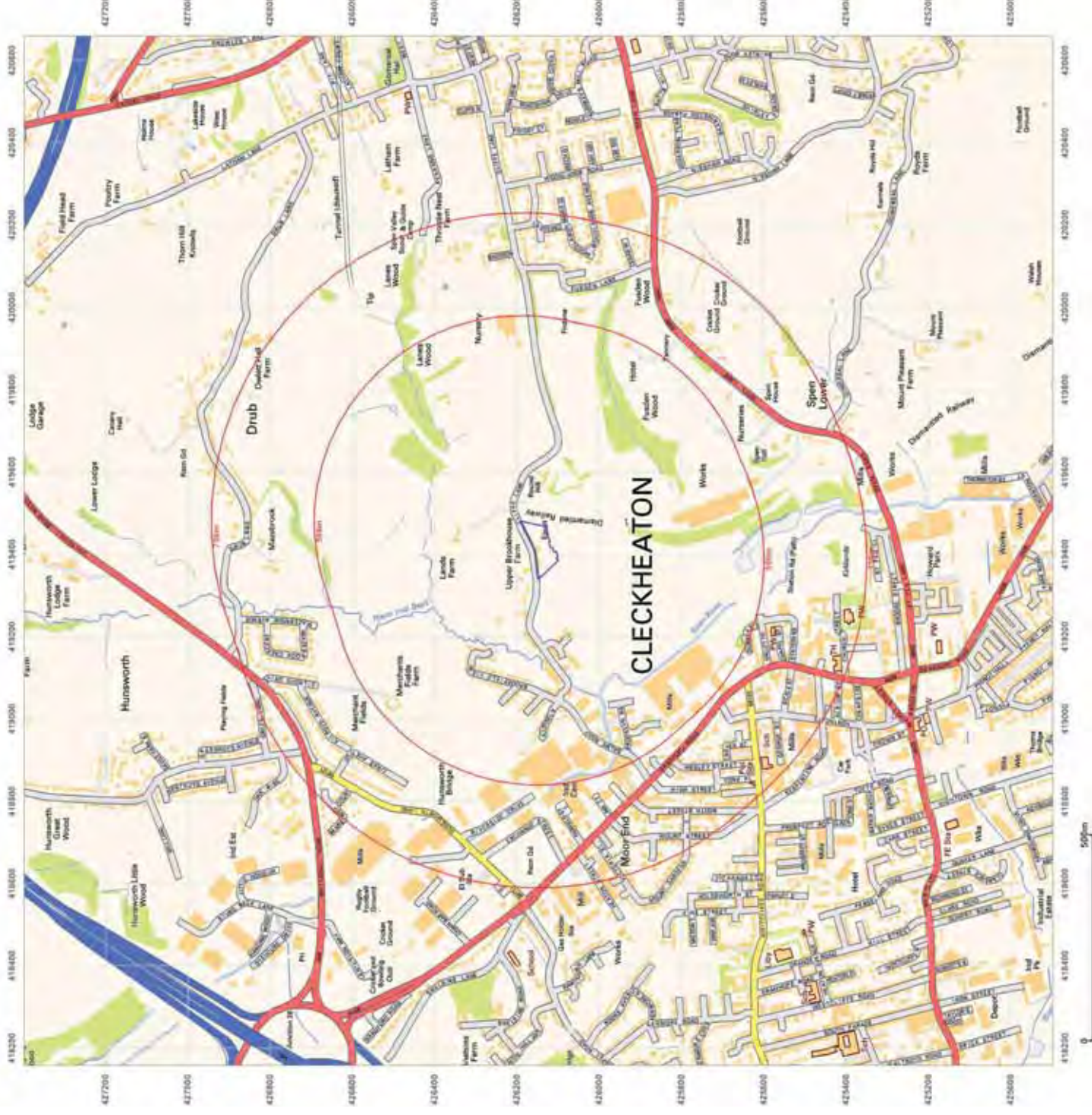


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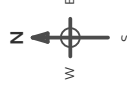
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Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 2014

Scale: 1:10,000

Printed at: 1:10,000

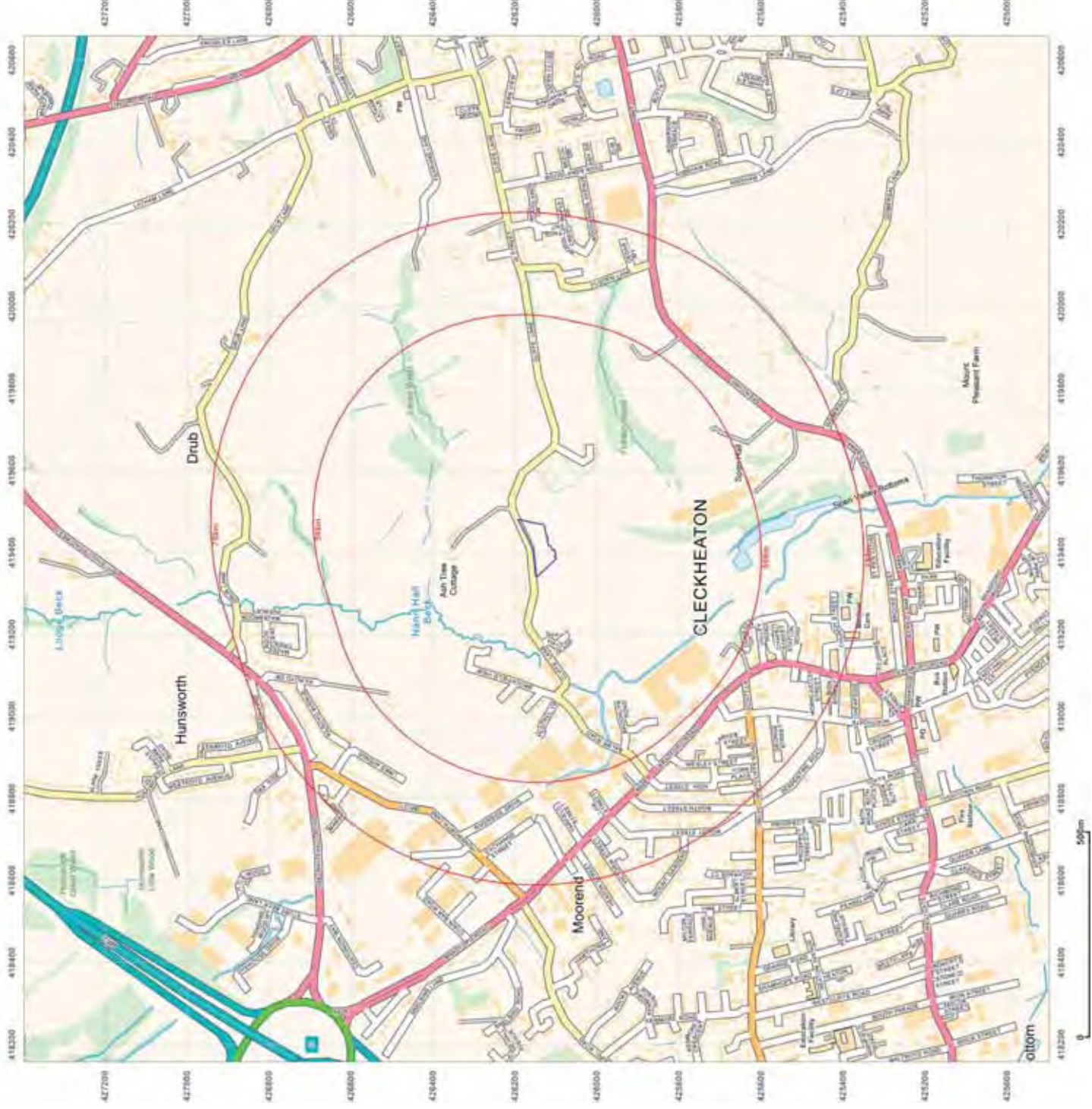


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Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1894

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1894
Revised 1894
Edition N/A
Copyright N/A
Levelled N/A

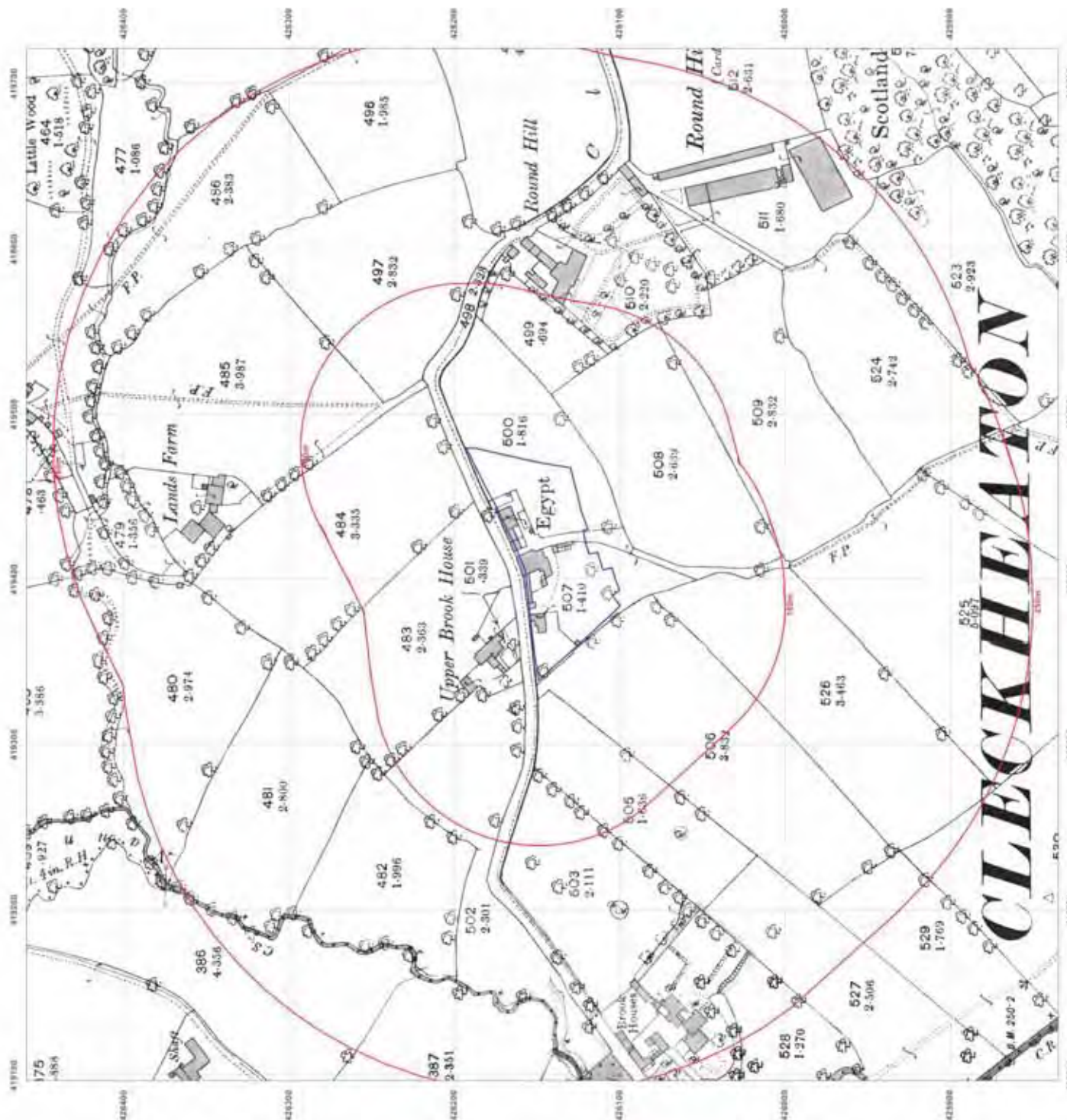


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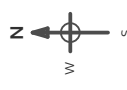
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Site Details: EGYPT FARM, CLIFFE LANE, CLECKHEATON, BD19 4EU	
Client Ref: SMITH_6876	
Report Ref: GS-3774755	
Grid Ref: 419409, 426146	
Map Name: County Series	
Map date: 1907	
Scale: 1:2,500	
Printed at: 1:2,500	



Surveyed 1907
Revised 1907
Edition N/A
Copyright N/A
Levelled N/A

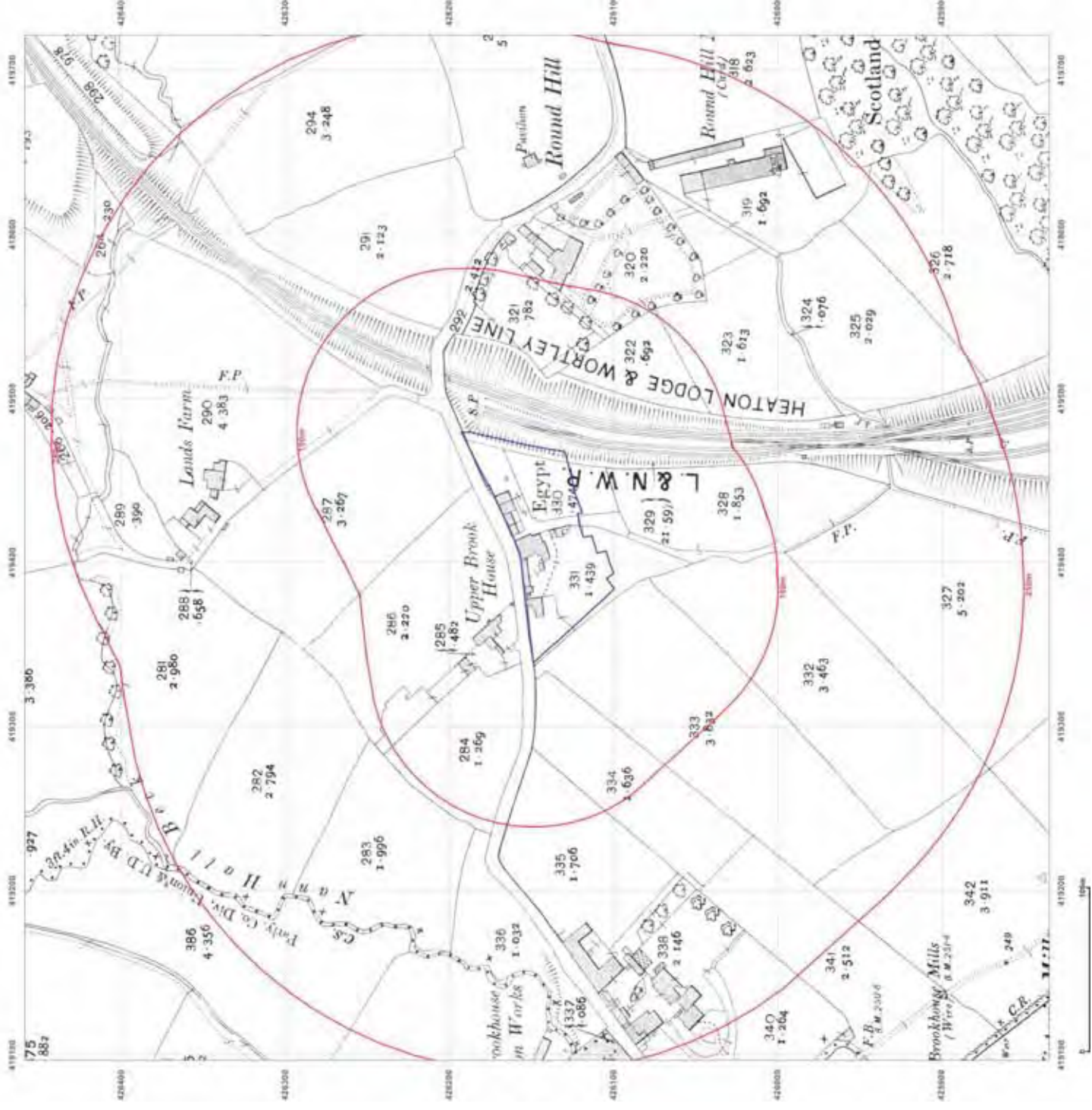


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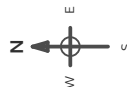
Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1922

Scale: 1:2,500

Printed at: 1:2,500



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

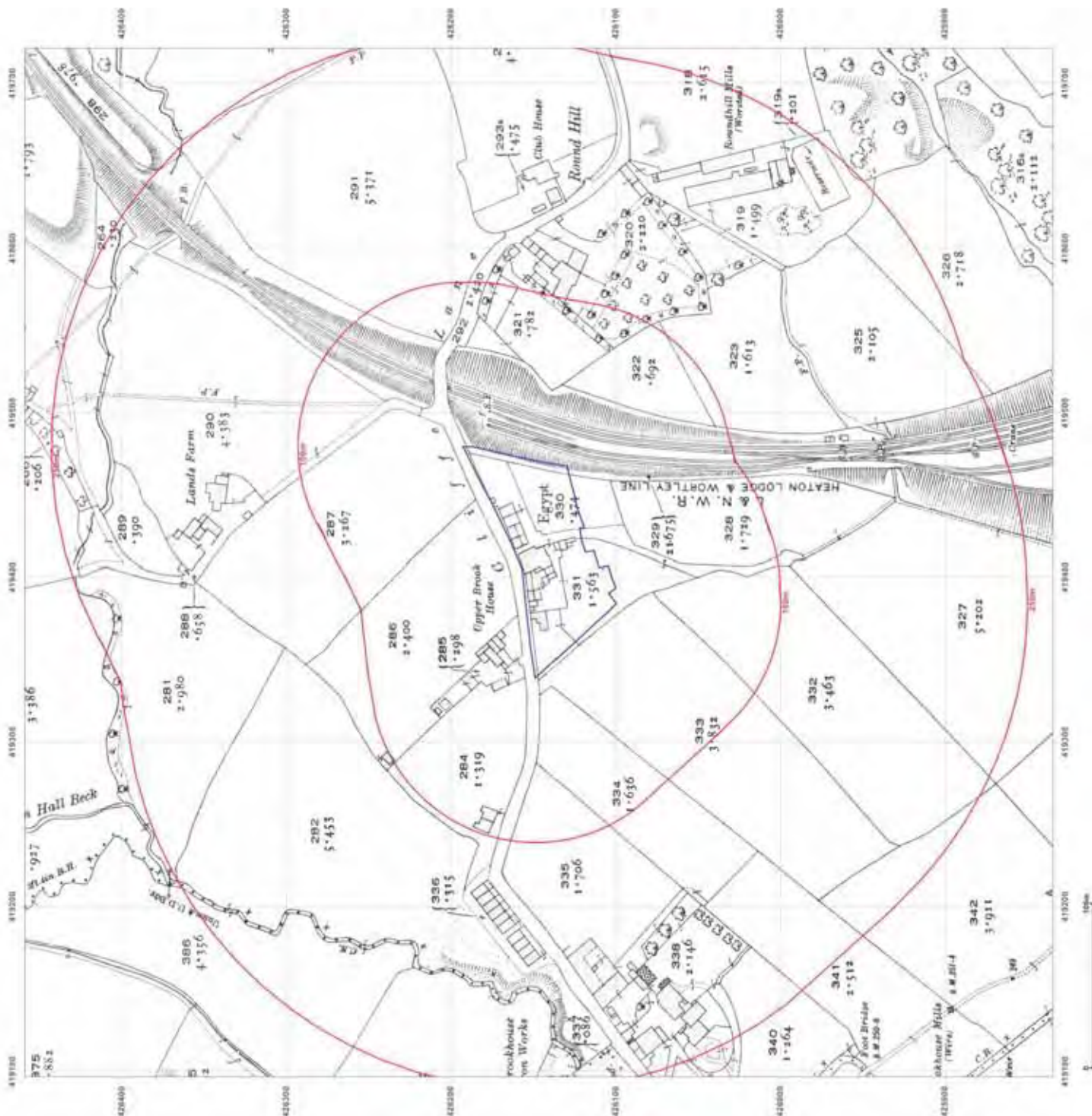


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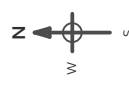
Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: County Series

Map date: 1938

Scale: 1:2,500

Printed at: 1:2,500



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

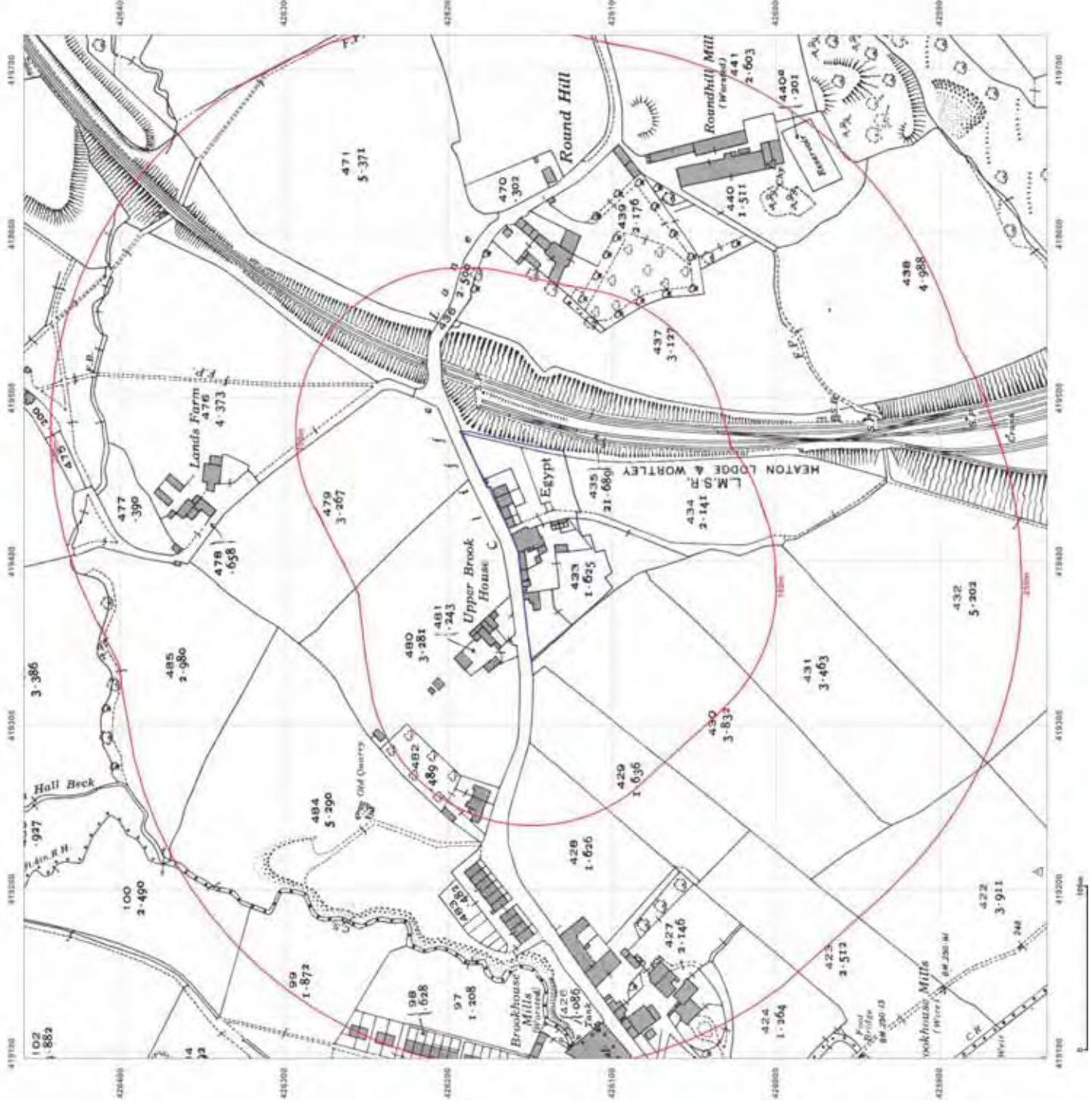


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Site Details:

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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1956

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1931	Surveyed 1956 Revised 1956 Edition N/A Copyright N/A Levelled 1931
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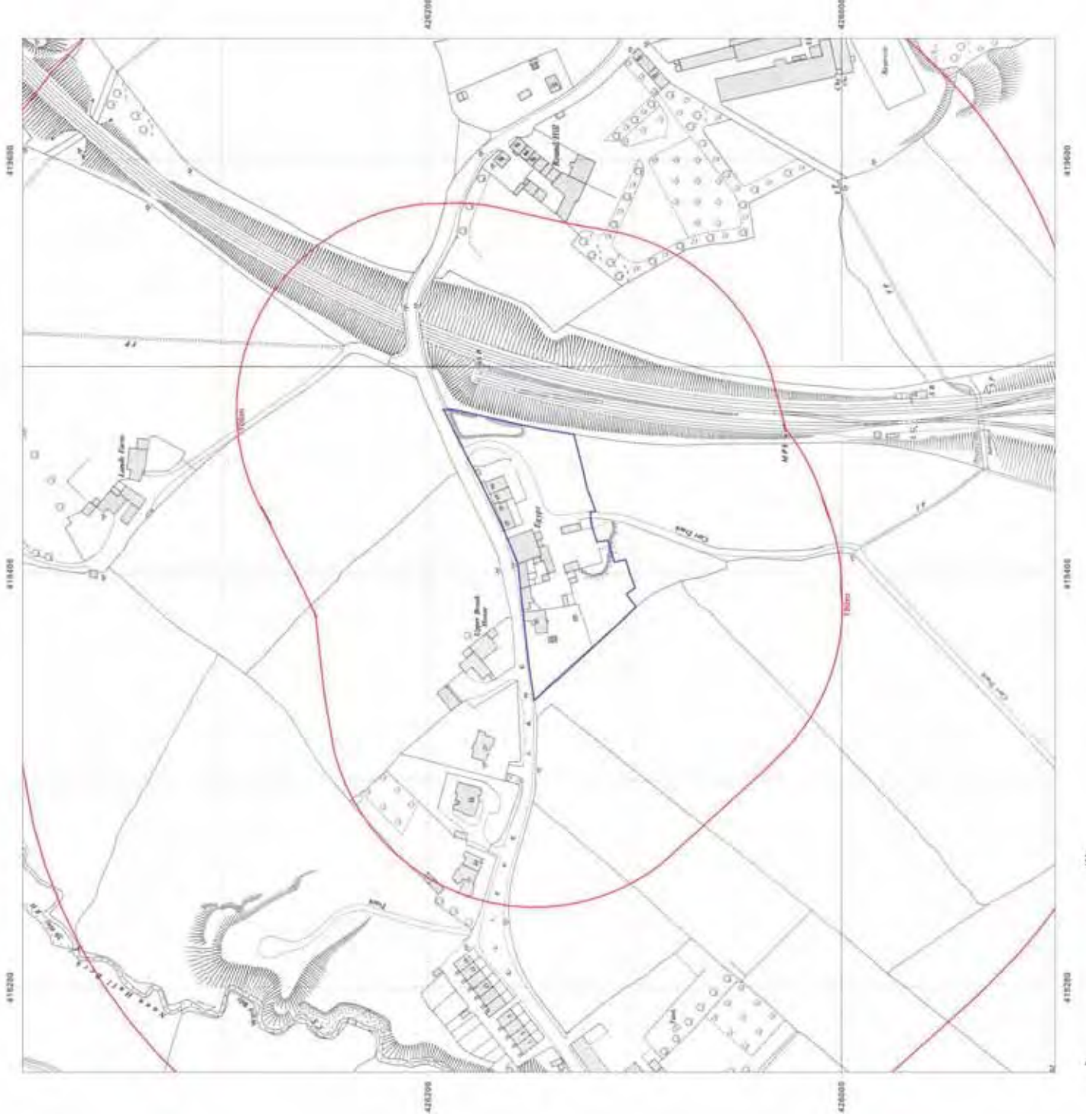


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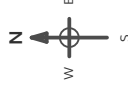
Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1956

Scale: 1:2,500

Printed at: 1:2,500



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Edition 1957
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Levelled 1931

Surveyed 1956
Revised 1956
Edition N/A
Copyright 1957
Levelled 1931

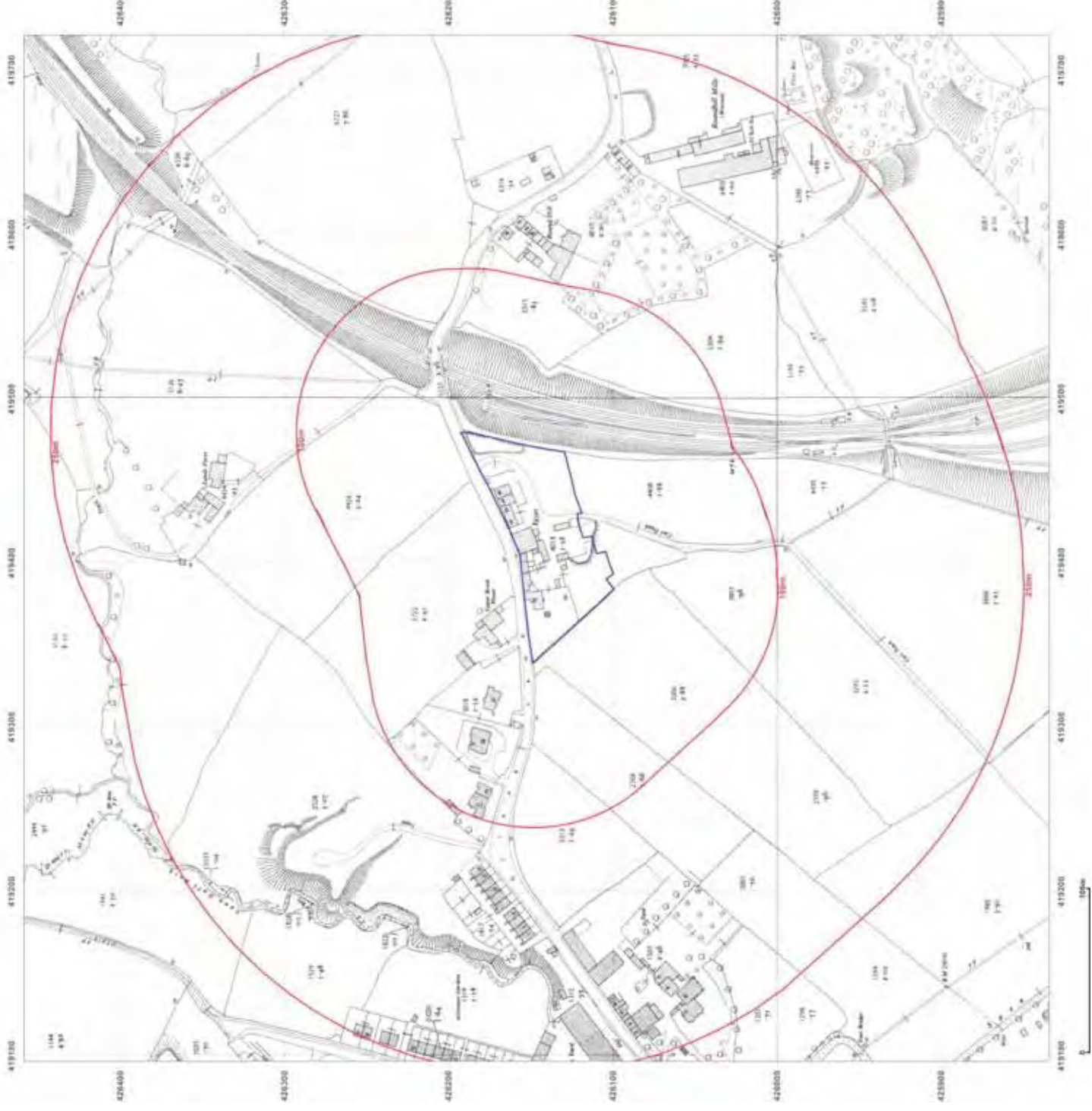


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Site Details:

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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1957

Scale: 1:1,250

Printed at: 1:2,000



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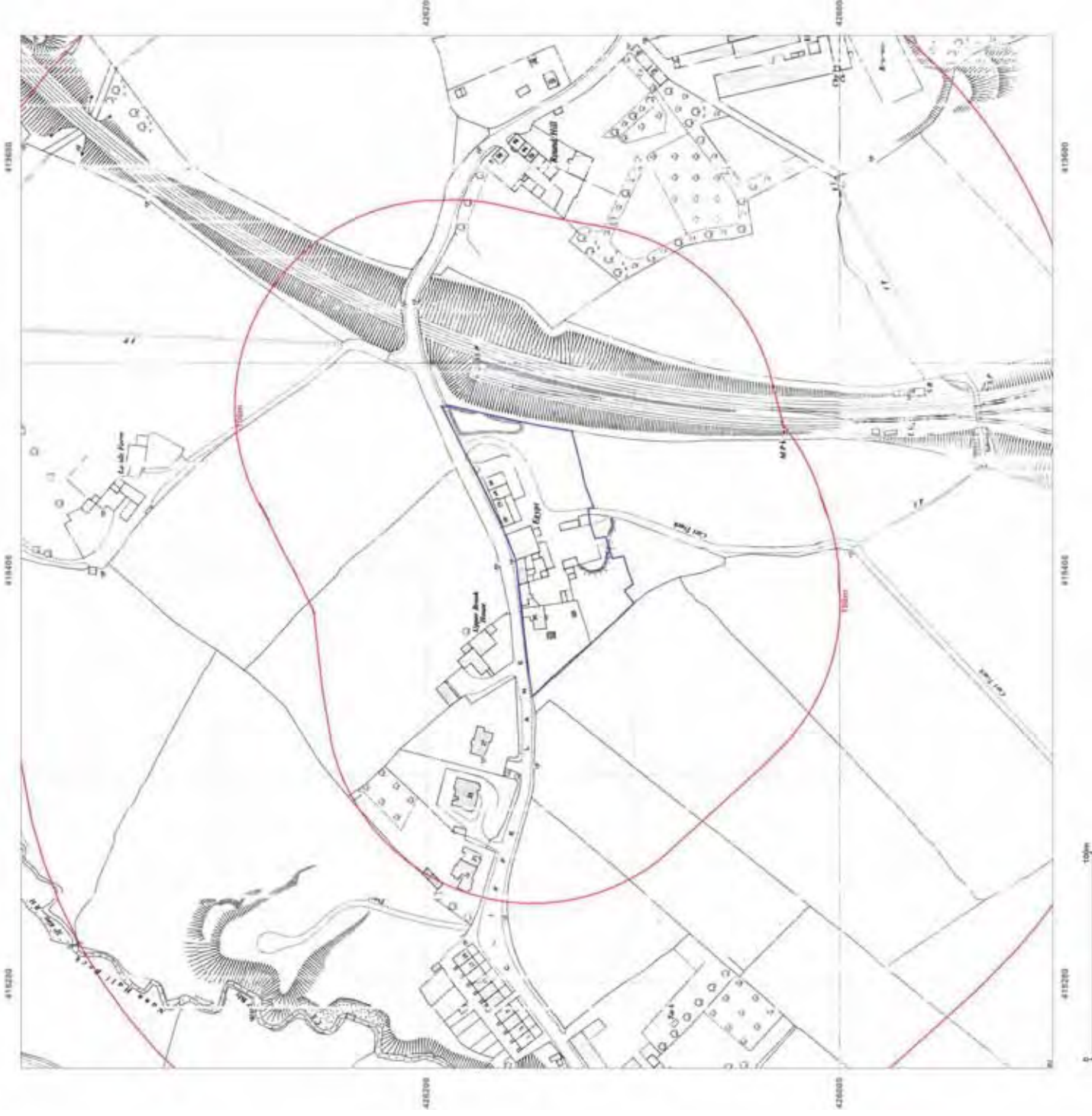


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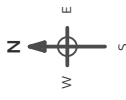
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Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1992

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A	Surveyed 1992 Revised N/A Edition N/A Copyright 1992 Levelled N/A



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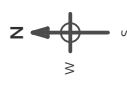
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Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1992-1994

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1994 Revised N/A Edition N/A Copyright 1994 Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A
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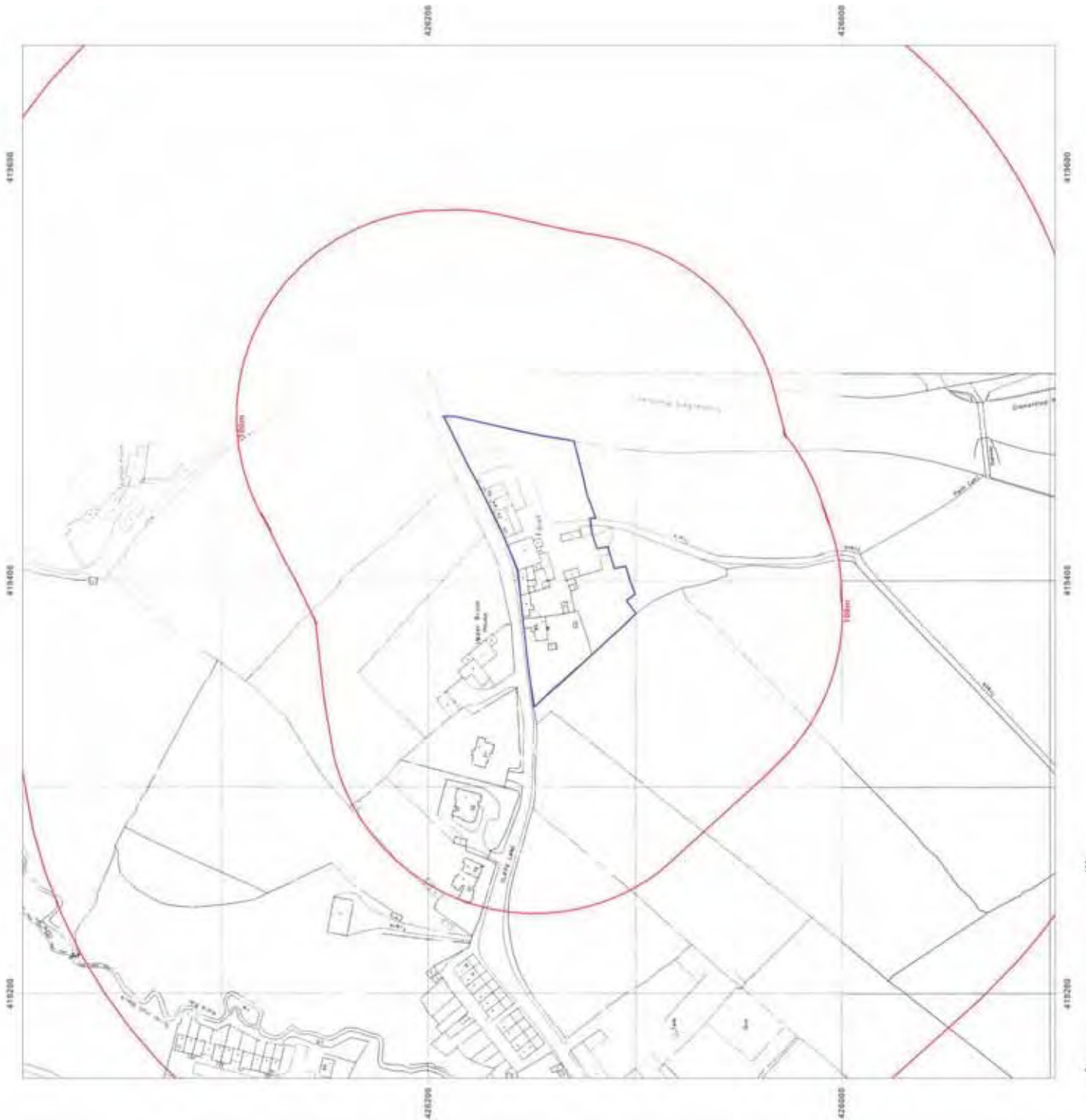


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Client Ref: SMITH_6876
Report Ref: GS-3774755
Grid Ref: 419409, 426146

Map Name: National Grid

Map date: 1994

Scale: 1:1,250

Printed at: 1:2,000



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