Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	1	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	0	2	5
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	1	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	2
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	7	0

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	3	31	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	2	1
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?	No
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
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	2	2	1	4
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	9	0	0	1
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	1	1
6.6 Source Protection Zones (within 500m of the study site)	1	0	1	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)	2	0	1	2	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	Yes	Yes	No	No
6.10 Detailed River Network entries within 500m of the site	0	1	3	4	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	Yes	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Are there any Enviroment 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?	Medium
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?	Potential at Surface
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	0	0	0	17
8.7 Records of Local Nature Reserves (LNR)	0	0	0	1	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	1

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	0	0
8.14 Records of Green Belt land	0	0	0	1	0	0

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?	Moderate
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?	Moderate
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Negligible
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	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 in a Radon Affected Area, as between 1 and 3% 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?	No
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”.

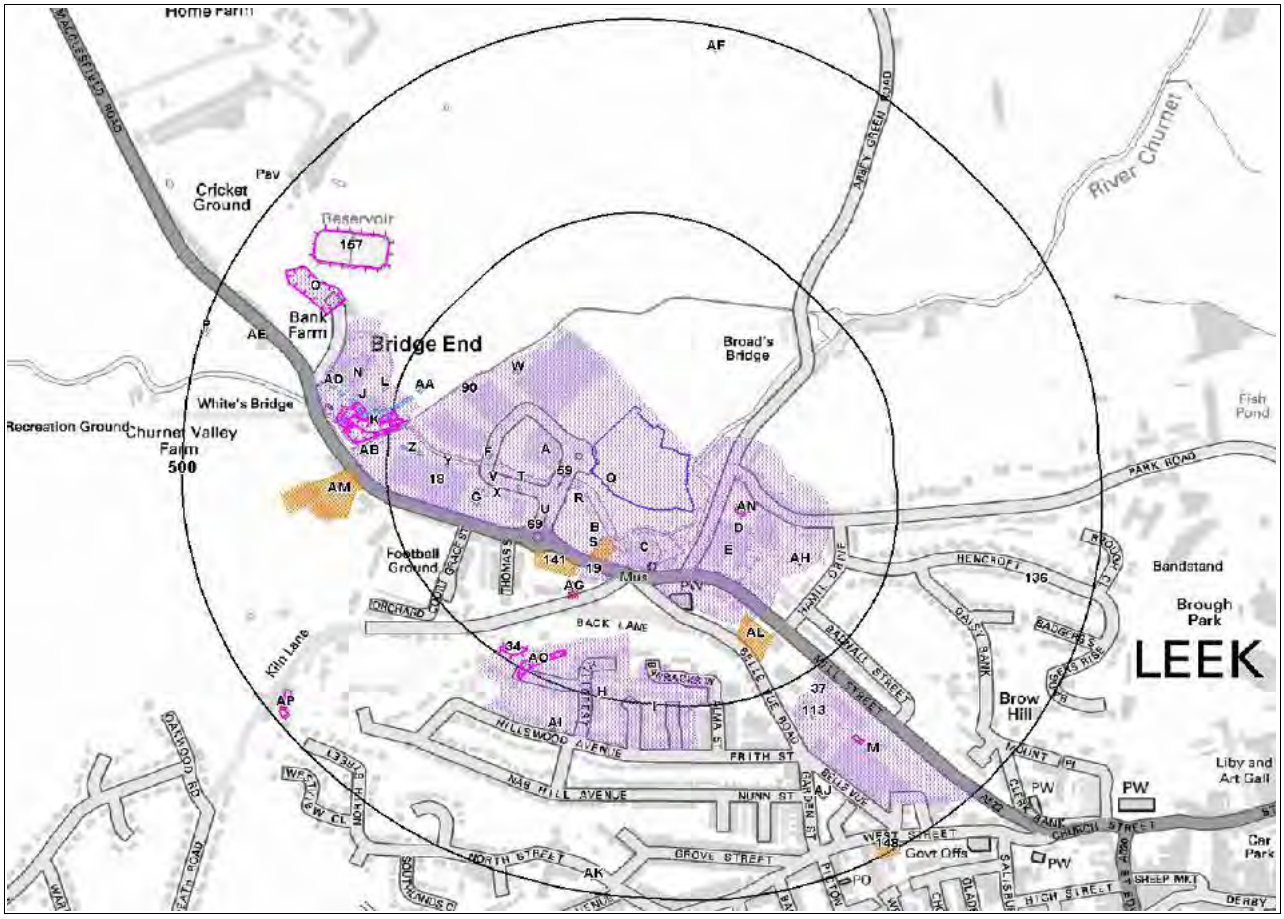
All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use

NW N NE

W E

SW S SE



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Site Outline

250
500
Search Buffers (m)

Historical 1:10,000 and 1:10,560 scale mapping

Industrial Land Use

Potentially Infilled Land

Historical 1:2,500, 1:1,250 and 1:500 scale mapping

Energy Features

Petrol Stations

Tanks

Garages

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: 55

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Unspecified Works	1992
2A	0	On Site	Dye Works	1974
3D	0	On Site	Dye Works	1946
4AN	6	E	Print Works	1898
5E	6	E	Dye Works	1898
6U	21	SW	Dye Works	1946
7B	22	S	Dye Works	1898
8B	22	S	Dye Works	1923
9X	25	SW	Dye Works	1966
10C	26	S	Unspecified Mill	1992
11C	26	S	Unspecified Mill	1974
12D	28	E	Dye Works	1966
13E	31	E	Dye Works	1923
14E	33	SE	Dye Works	1878
15D	34	SE	Unspecified Works	1992
16D	35	E	Unspecified Disused Works	1974
17S	36	SW	Dye Works	1878
18	86	W	Dye Works	1923
19	91	SW	Silk Mill	1898
20F	123	W	Unspecified Tank	1974
21F	123	W	Unspecified Tank	1992
22G	142	W	Unspecified Tank	1992
23G	142	W	Unspecified Tank	1974
24G	149	W	Unspecified Tank	1946
25H	163	S	Silk Mill	1966
26H	170	S	Unspecified Commercial/Industrial	1974
27AO	206	SW	Unspecified Ground Workings	1974
28I	215	S	Unspecified Factory	1992
29I	216	S	Silk Mill	1946
30J	218	W	Unspecified Works	1992
31J	218	W	Unspecified Works	1974
32J	225	W	Dye Works	1946

33J	226	W	Dye Works	1966
34	227	SW	Unspecified Pit	1966
35K	235	W	Refuse Heap	1966
36K	236	W	Refuse Heap	1946
37	260	SE	Silk Mill	1878
38N	260	W	Dye Works	1923
39L	262	W	Chimney	1974
40L	262	W	Chimney	1992
41M	269	SE	Unspecified Mill	1898
42M	269	SE	Unspecified Mills	1946
43M	269	SE	Unspecified Mills	1923
44M	293	SE	Unspecified Commercial/Industrial	1992
45M	293	SE	Unspecified Mills	1966
46M	293	SE	Unspecified Commercial/Industrial	1974
47N	294	NW	Dye Works	1898
48N	296	W	Dye Works	1878
49AC	300	W	Unspecified Ground Workings	1946
50O	356	NW	Cuttings	1974
51O	356	NW	Cuttings	1992
52AP	463	SW	Unspecified Heap	1923
53P	492	W	Unspecified Tank	1966
54P	492	W	Unspecified Tank	1923
55P	493	W	Unspecified Tank	1946

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: 70

ID	Distance (m)	Direction	Use	Date
56Q	0	On Site	Unspecified Tank	1965
57Q	0	On Site	Unspecified Tank	1970
58Q	0	On Site	Unspecified Tank	1989
59	29	W	Tanks	1965
60R	35	SW	Unspecified Tank	1970
61R	35	SW	Unspecified Tank	1989
62R	35	SW	Unspecified Tank	1965
63R	35	SW	Unspecified Tank	1993
64S	52	SW	Unspecified Tank	1968
65S	53	SW	Unspecified Tank	1965

66T	83	W	Unspecified Tank	1965
67T	88	W	Unspecified Tank	1937
68U	98	SW	Unspecified Tank	1968
69	98	SW	Unspecified Tank	1965
70V	119	W	Unspecified Tank	1970
71V	119	W	Unspecified Tank	1989
72V	119	W	Unspecified Tank	1993
73V	119	W	Unspecified Tank	1965
74F	122	W	Unspecified Tank	1970
75F	122	W	Unspecified Tank	1989
76F	123	W	Unspecified Tank	1993
77F	123	W	Unspecified Tank	1965
78W	128	NW	Unspecified Tank	1993
79W	129	NW	Unspecified Tank	1989
80X	131	W	Tanks	1970
81G	134	W	Tanks	1970
82G	134	W	Tanks	1993
83G	134	W	Tanks	1989
84G	134	W	Tanks	1965
85G	138	W	Tanks	1970
86G	139	W	Tanks	1989
87G	140	W	Tanks	1993
88G	154	W	Tanks	1993
89G	154	W	Tanks	1965
90	163	NW	Unspecified Tank	1989
91Y	173	W	Unspecified Tank	1993
92Y	174	W	Unspecified Tank	1989
93Z	206	W	Tanks	1993
94Z	207	W	Tanks	1989
95AA	214	W	Tanks	1993
96AA	215	W	Tanks	1989
97AA	228	W	Tanks	1993
98AA	228	W	Tanks	1989
99K	246	W	Tanks	1993
100K	247	W	Tanks	1989
101K	248	W	Settling Tank	1925
102K	248	W	Settling Tank	1937
103L	261	W	Unspecified Tank	1970
104L	261	W	Unspecified Tank	1965
105L	262	W	Unspecified Tank	1993
106L	263	W	Unspecified Tank	1989
107AB	265	W	Unspecified Tank	1993
108AB	266	W	Unspecified Tank	1989
109AC	284	W	Unspecified Tank	1993
110J	285	W	Unspecified Tank	1989
111J	293	W	Tanks	1970

112J	293	W	Tanks	1965
113	297	SE	Unspecified Tank	1989
114AC	301	W	Settling Tanks	1925
115AC	304	W	Unspecified Tank	1937
116J	311	W	Tanks	1993
117J	312	W	Tanks	1989
118AD	323	W	Tanks	1993
119AD	324	W	Tanks	1989
120AE	433	W	Unspecified Tank	1899
121AE	433	W	Unspecified Tank	1937
122AE	433	W	Unspecified Tank	1925
123AF	468	N	Unspecified Tank	1925
124AF	468	N	Unspecified Tank	1937
125AF	468	N	Unspecified Tank	1899

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: 13

ID	Distance (m)	Direction	Use	Date
126AG	118	SW	Electricity Substation	1994
127AG	119	SW	Electricity Substation	1989
128AH	143	SE	Electricity Substation	1994
129AH	143	SE	Electricity Substation	1989
130AI	295	S	Electricity Substation	1994
131AI	296	S	Electricity Substation	1989
132AC	321	W	Electricity Substation	1993
133AC	322	W	Electricity Substation	1989
134AJ	391	SE	Electricity Substation	1994
135AJ	391	SE	Electricity Substation	1989
136	427	E	Electricity Substation	1999
137AK	476	S	Electricity Substation	1994
138AK	476	S	Electricity Substation	1989

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: 10

ID	Distance (m)	Direction	Use	Date
139S	53	SW	Garage	1968
140S	54	SW	Garage	1965
141	100	SW	Garage	1989
142AL	148	SE	Garage	1989
143AL	150	SE	Garage	1994
144AM	280	W	Garage	1965
145AM	280	W	Garage	1970
146AM	281	W	Garage	1993
147AM	284	W	Garage	1989
148	476	SE	Garage	1999

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 13

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

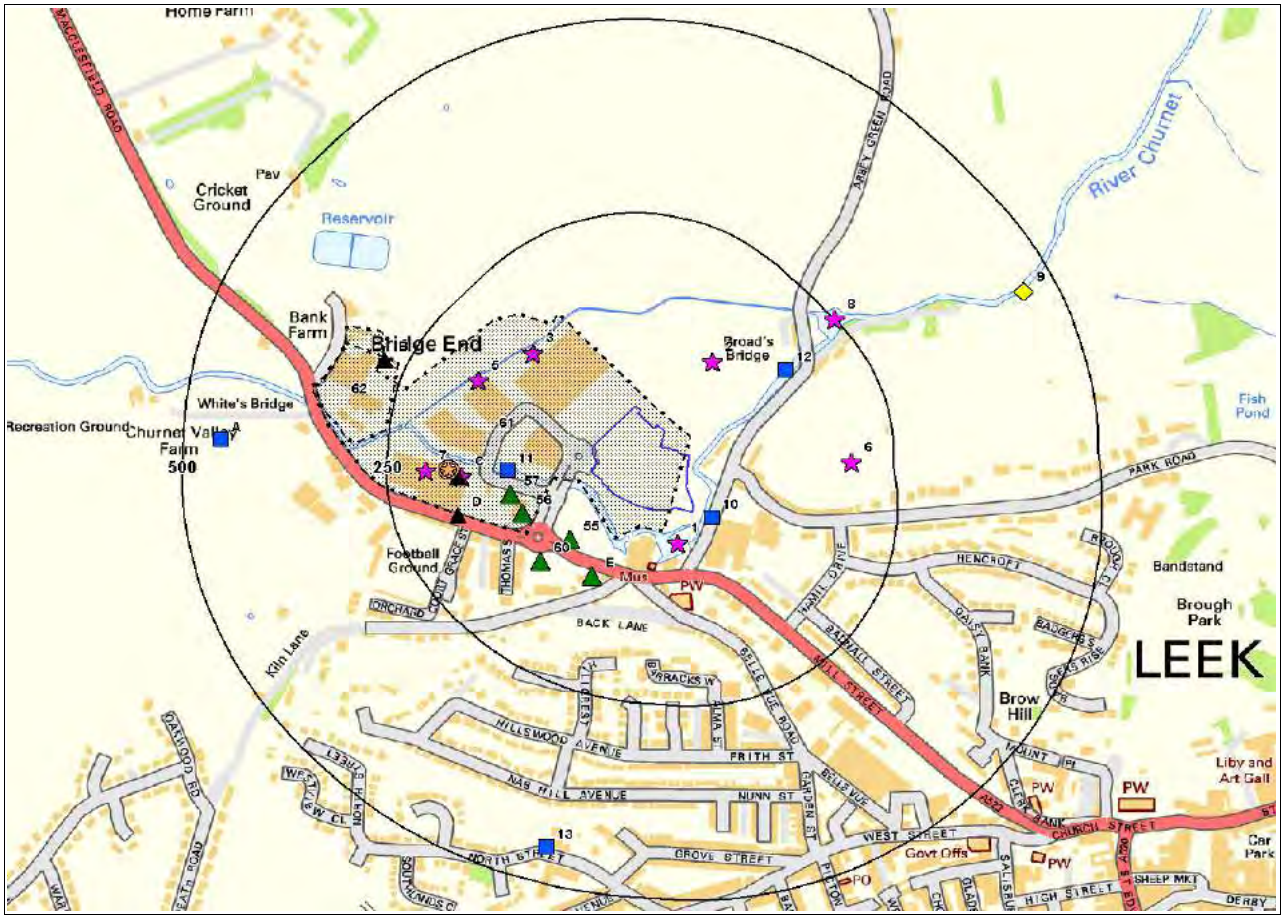
ID	Distance(m)	Direction	Use	Date
149AN	52	E	Reservoir	1878
150AO	206	SW	Unspecified Ground Workings	1974
151AO	227	SW	Unspecified Pit	1966
152K	235	W	Refuse Heap	1966
153AC	236	W	Refuse Heap	1946
154K	241	W	Reservoirs	1923
155J	282	W	Reservoir	1898
156AC	300	W	Unspecified Ground Workings	1946
157	345	NW	Reservoir	1992
158M	350	SE	Reservoirs	1878
159O	356	NW	Cuttings	1974
160O	356	NW	Cuttings	1992
161AP	463	SW	Unspecified Heap	1923

2. Environmental Permits, Incidents and Registers Map

NW N NE

W E

SW S SE



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- Site Outline
- Search Buffers (m) — 250 — 500
- Recorded Pollution Incident
- Dangerous Substances (List 1)
- Dangerous Substances (List 2)
- Water Industry Referrals
- Licenced Discharge Consents
- Red List Discharge Consents
- RAS 3 & 4 Authorisations
- Part A(1) Authorised Processes and Historic IPC Authorisations
- Part A(2) and Part B Authorised Processes
- COMAH / NIHHS Sites
- Sites Determined as Contaminated Land
- Hazardous Substance Consents and Enforcements

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:

22

The following IPC Authorisations are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
82B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AW6936 Original Permit Number: IPCMINVAR Date Approved: 11-9-1996 Effective Date: 11-9-1996 Status: Superseded By Variation
83B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BE8709 Original Permit Number: IPCMINVAR Date Approved: 26-2-1999 Effective Date: 26-2-1999 Status: Superseded By Variation
84B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AY8476 Original Permit Number: IPCMINVAR Date Approved: 24-9-1997 Effective Date: 26-9-1997 Status: Superseded By Variation
85B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BB6092 Original Permit Number: IPCMINVAR Date Approved: 2-9-1998 Effective Date: 2-9-1998 Status: Superseded By Variation
86B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BE5459 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
87B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BF4318 Original Permit Number: IPCMAJVAR Date Approved: 28-6-1999 Effective Date: 28-6-1999 Status: Superseded By Variation

ID	Distance (m)	Direction	NGR	Details	
88B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AY8115 Original Permit Number: IPCMINVAR Date Approved: 5-6-1997 Effective Date: 5-6-1997 Status: Superseded By Variation
89B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AU5637 Original Permit Number: IPCMINVAR Date Approved: 19-1-1996 Effective Date: 19-1-1996 Status: Superseded By Variation
90B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AK4354 Original Permit Number: IPCAPP Date Approved: 7-2-1994 Effective Date: 26-2-1994 Status: Superseded By Variation
91B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AT7812 Original Permit Number: IPCMINVAR Date Approved: 6-11-1995 Effective Date: 8-11-1995 Status: Superseded By Variation
92B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AK4362 Original Permit Number: IPCAIRAPP Date Approved: 26-2-1994 Effective Date: 26-2-1994 Status: Superseded By Variation
93B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AQ4837 Original Permit Number: IPCMINVAR Date Approved: 10-3-1995 Effective Date: 10-3-1995 Status: Superseded By Variation
94B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AZ7939 Original Permit Number: IPCMINVAR Date Approved: 5-11-1997 Effective Date: 5-11-1997 Status: Superseded By Variation
95B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BB6106 Original Permit Number: IPCMINVAR Date Approved: 16-9-1998 Effective Date: 16-9-1998 Status: Superseded By Variation
96B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: AQ4845 Original Permit Number: IPCMINVAR Date Approved: 10-3-1995 Effective Date: 10-3-1995 Status: Superseded By Variation
97B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BE5467 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation

ID	Distance (m)	Direction	NGR	Details	
98B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BI5655 Original Permit Number: IPCMINVAR Date Approved: 12-6-2000 Effective Date: 12-6-2000 Status: Superseded By Variation
99B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BI8859 Original Permit Number: IPCMINVAR Date Approved: 10-8-2000 Effective Date: 10-8-2000 Status: Superseded By Variation
100B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BK3123 Original Permit Number: IPCMINVAR Date Approved: 26-1-2001 Effective Date: 31-1-2001 Status: Revoked - Now Ippc
101B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BK3310 Original Permit Number: IPCMINVAR Date Approved: 2-2-2001 Effective Date: 2-2-2001 Status: Superseded By Variation
102B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BL6934 Original Permit Number: IPCMINVAR Date Approved: 10-8-2001 Effective Date: 15-8-2001 Status: Superseded By Variation
103B	277	NW	397400 357200	Operator: Tessenderlo Fine Chemicals Ltd Address: Macclesfield Road, Leek, Staffordshire, ST13 8UZ Process: Manufacture And Use Of Organic Chemicals	Permit Number: BM4104 Original Permit Number: IPCMINVAR Date Approved: 5-11-2001 Effective Date: 9-11-2001 Status: Revoked - Now Ippc

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

17

The following Part A(1) and IPPC Authorised Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
65C	163	W	397490 357050	Operator: Tessenderlo Fine Chemicals Limited Installation Name: Bridge End Chemical Works Leek Process: COMBUSTION; WASTE DERIVED FUEL <3MW BUT >=0.4MW (UNLESS 1.1 B (B))	Permit Number: BT8171IN Original Permit Number: BT8171IN EPR Reference: - Issue Date: 4/3/2004 Effective Date: 4/3/2004 Last date noted as effective: 2017-11-30 Status: Superceded

ID	Distance (m)	Direction	NGR	Details	
66C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: JP3431HH Original Permit Number: BT8171IN EPR Reference: - Issue Date: 14/2/2011 Effective Date: 14/2/2011 Last date noted as effective: 2017-11-30 Status: Superceded
67C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works Leek Process: ASSOCIATED PROCESS	Permit Number: FP3339UT Original Permit Number: BT8171IN EPR Reference: - Issue Date: 12/9/2007 Effective Date: 12/9/2007 Last date noted as effective: 2017-11-30 Status: Superceded
68C	163	W	397490 357050	Operator: Tessenderlo Fine Chemicals Limited Installation Name: Bridge End Chemical Works Leek Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: BT8171IN Original Permit Number: BT8171IN EPR Reference: - Issue Date: 4/3/2004 Effective Date: 4/3/2004 Last date noted as effective: 2017-11-30 Status: Superceded
69C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: ASSOCIATED PROCESS	Permit Number: JP3431HH Original Permit Number: BT8171IN EPR Reference: - Issue Date: 14/2/2011 Effective Date: 14/2/2011 Last date noted as effective: 2017-11-30 Status: Superceded
70C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: COMBUSTION; WASTE DERIVED FUEL <3MW BUT >=0.4MW (UNLESS 1.1 B (B))	Permit Number: JP3431HH Original Permit Number: BT8171IN EPR Reference: - Issue Date: 14/2/2011 Effective Date: 14/2/2011 Last date noted as effective: 2017-11-30 Status: Superceded
71C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: COMBUSTION; WASTE DERIVED FUEL <3MW BUT >=0.4MW (UNLESS 1.1 B (B))	Permit Number: KP3338FY Original Permit Number: BT8171IN EPR Reference: - Issue Date: 26/7/2011 Effective Date: 26/7/2011 Last date noted as effective: 2017-11-30 Status: Superceded
72C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works Leek Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: FP3339UT Original Permit Number: BT8171IN EPR Reference: - Issue Date: 12/9/2007 Effective Date: 12/9/2007 Last date noted as effective: 2017-11-30 Status: Superceded
73C	163	W	397490 357050	Operator: Tessenderlo Fine Chemicals Limited Installation Name: Bridge End Chemical Works Leek Process: ASSOCIATED PROCESS	Permit Number: BT8171IN Original Permit Number: BT8171IN EPR Reference: - Issue Date: 4/3/2004 Effective Date: 4/3/2004 Last date noted as effective: 2017-11-30 Status: Superceded

ID	Distance (m)	Direction	NGR	Details	
74C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works Leek Process: COMBUSTION; WASTE DERIVED FUEL <3MW BUT >=0.4MW (UNLESS 1.1 B (B))	Permit Number: FP3339UT Original Permit Number: BT8171IN EPR Reference: - Issue Date: 12/9/2007 Effective Date: 12/9/2007 Last date noted as effective: 2017-11-30 Status: Superceded
75C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: PP3234DN Original Permit Number: BT8171IN EPR Reference: - Issue Date: 21/11/2016 Effective Date: 21/11/2016 Last date noted as effective: 2017-11-30 Status: Effective
76C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: ASSOCIATED PROCESS	Permit Number: PP3234DN Original Permit Number: BT8171IN EPR Reference: - Issue Date: 21/11/2016 Effective Date: 21/11/2016 Last date noted as effective: 2017-11-30 Status: Effective
77C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: COMBUSTION; WASTE DERIVED FUEL <3MW BUT >=0.4MW (UNLESS 1.1 B (B))	Permit Number: PP3234DN Original Permit Number: BT8171IN EPR Reference: - Issue Date: 21/11/2016 Effective Date: 21/11/2016 Last date noted as effective: 2017-11-30 Status: Effective
78C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: ASSOCIATED PROCESS	Permit Number: KP3338FY Original Permit Number: BT8171IN EPR Reference: - Issue Date: 26/7/2011 Effective Date: 26/7/2011 Last date noted as effective: 2017-11-30 Status: Superceded
79C	163	W	397490 357050	Operator: Tennants Fine Chemicals Limited Installation Name: Bridge End Chemical Works, Leek Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: KP3338FY Original Permit Number: BT8171IN EPR Reference: - Issue Date: 26/7/2011 Effective Date: 26/7/2011 Last date noted as effective: 2017-11-30 Status: Superceded
80D	174	W	397490 357000	Operator: Tessenderlo Fine Chemicals Ltd Installation Name: - Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS	Permit Number: BT8171 Original Permit Number: BT8171 EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2004-10-01 Status: Superseded By Pas
81D	174	W	397490 357000	Operator: Tessenderlo Fine Chemicals Ltd Installation Name: - Process: COMBUSTION; WASTE DERIVED FUEL <3MW BUT >=0.4MW (UNLESS 1.1 B (B))	Permit Number: BT8171 Original Permit Number: BT8171 EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2004-10-01 Status: Superseded By Pas

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:

1

The following List 2 Dangerous Substance Inventory Site records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
9	459	NE	398180 357290	Name: Staff C.c. Fowlchurch - Poplars Landfill Tip Status: Not Active Receiving Water: River Churnet	Authorised Substances: Iron

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

6

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	
55	82	SW	397626 356970	Address: Industrial & Agricultural Engineers, Riverside Works, Macclesfield Road, Leek, ST13 8LB Process: Coating Activities Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
56	102	SW	397568 357002	Address: Sainsburys Petrol Station, Macclesfield Road, Leek, Staffs Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Distance (m)	Direction	NGR	Details	
57	104	W	397555 357028	Address: Leek Dyeing And Finishing Co. Ltd, Leek, ST13 8LB Process: Coating Activities Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
58E	108	SW	397652 356920	Address: M & M Vehicle Repairs, Woodcroft, Leek, ST13 5QF Process: Coating & Enamelling Process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
59E	108	SW	397652 356920	Address: M & M Vehicle Repairs Ltd, Woodcroft, Leek, ST13 8LD Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
60	127	SW	397589 356941	Address: Bridge End Filling Station, Macclesfield Road, Leek, Staffs, ST13 8LD Process: Unloading of Petrol into Storage at Service Stations Status: Current 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:

6

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

ID	Distance (m)	Direction	NGR	Details	
10	25	E	397800 357000	Address: PARK ROAD, LEEK, STAFFORDSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/30/02799/O Permit Version: 1	Receiving Water: RIVER CHURNET Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/09/1970 Effective Date: 16-Sep-1970 Revocation Date: 27/03/2000
11	103	W	397550 357060	Address: CHURNET WORKS, LEEK, STAFFORDSHIRE, ST13 8LB Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: T/30/30023/T Permit Version: 1	Receiving Water: RIVER CHURNET Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 20/01/1995 Effective Date: 20-Jan-1995 Revocation Date: -

ID	Distance (m)	Direction	NGR	Details	
12	162	NE	397890 357190	Address: ABBEY GREEN BOREHOLE, ABBEY GREEN ROAD, LEEK, STAFFORDSHIRE Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: T/30/35948/T Permit Version: 1	Receiving Water: RIVER CHURNET Status: SURRENDERED UNDER EPR 2010 Issue date: 17/05/2004 Effective Date: 17-May-2004 Revocation Date: 07/07/2017
13	454	S	397597 356575	Address: NORTH STREET STORM OVERFLOW, NORTH STREET, LEEK, STAFFORDSHIRE, ST13 8DW Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/30/30328/O Permit Version: 1	Receiving Water: RIVER CHURNET Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 29/03/1996 Effective Date: 29-Mar-1996 Revocation Date: -
14A	455	W	397200 357100	Address: OLD STATION YARD, (OUTLET A), NR LEEK, STAFFORDSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/30/03561/O Permit Version: 2	Receiving Water: RIVER CHURNET Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 23/05/2001 Effective Date: 23-May-2001 Revocation Date: -
15A	455	W	397200 357100	Address: OLD STATION YARD, (OUTLET A), NR LEEK, STAFFORDSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/30/03561/O Permit Version: 1	Receiving Water: RIVER CHURNET Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 05/07/1973 Effective Date: 05-Jul-1973 Revocation Date: 22/05/2001

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:

2

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

ID	Distance (m)	Direction	Application Reference Number	NGR	Application Status	Application Date	Address	Details	Details of Enforcement Action
104C	175	W	06/00090/HAZSUB	397478 357061	Withdrawn	23/01/2006	Tessenderlo Group, Macclesfield Road, Leek, Staffordshire Moorlands, ST13 8LD	Hazardous Substance Consent (use of Acetaldehyde on site)	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Distance (m)	Direction	Application Reference Number	NGR	Application Status	Application Date	Address	Details	Details of Enforcement Action
105C	175	W	10/00015/HAZSUB	397478 357061	Approved	13/01/2010	Tennants Fine Chemicals Ltd pka Tessenderlo Group, Macclesfield Road, Leek, Staffordshire Moorlands, ST13 8LD	Hazardous Substance Consent	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site: 2

The following COMAH & NIHHS Authorisation records provided by the Health and Safety Executive are represented as polygons or buffered points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	Company	Address	Operational Status	Tier
61	0	On Site	Tennants Fine Chemicals Ltd	Tennants Fine Chemicals Ltd, Staffordshire, Macclesfield Road, Leek, Staffordshire, ST13 8LD	Current COMAH Site	COMAH Upper Tier Operator
62	253	W	Acordis Fine Chemicals	Acordis Fine Chemicals, Macclesfield Road, Leek, ST13 8UZ	Historical NIHHS Site	-

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	44	S	397757 356966	Incident Date: 13-Aug-2002 Incident Identification: 99880 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	105	NE	397800 357200	Incident Date: 11-Sep-2001 Incident Identification: 30228 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	137	NW	397580 357211	Incident Date: 09-May-2002 Incident Identification: 77616 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

ID	Distance (m)	Direction	NGR	Details	
4C	160	W	397493 357052	Incident Date: 27-Aug-2002 Incident Identification: 103311 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
5	164	NW	397514 357176	Incident Date: 20-Jun-2003 Incident Identification: 167567 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6	198	E	397970 357070	Incident Date: 10-Oct-2002 Incident Identification: 113928 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
7	203	W	397450 357060	Incident Date: 15-May-2003 Incident Identification: 158470 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	249	NE	397949 357254	Incident Date: 26-Dec-2008 Incident Identification: 643011 Pollutant: Inorganic Chemicals/Products Pollutant Description: Alkalis	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

0

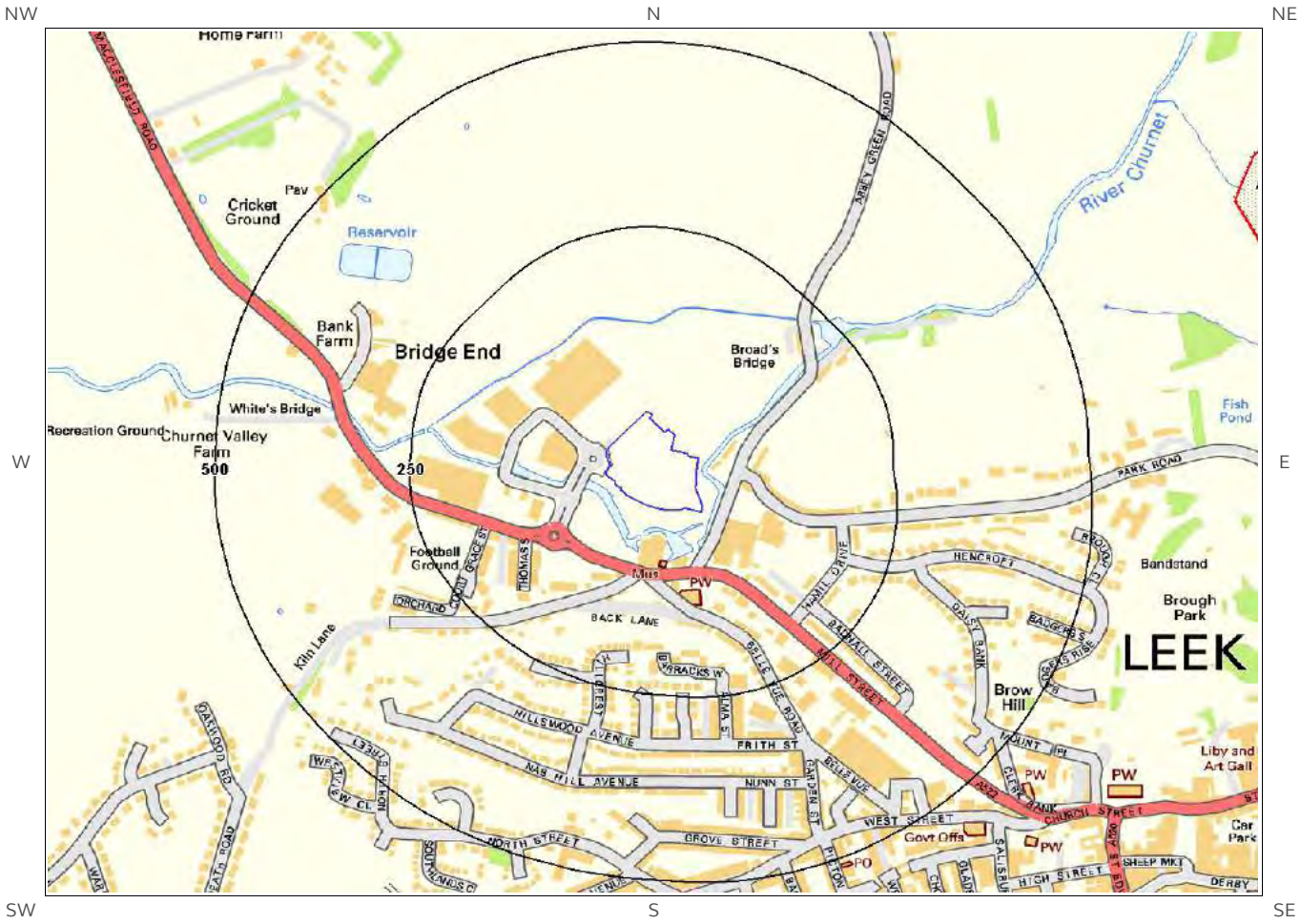
Database searched and no data found.

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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Site Outline

250
500
Search Buffers (m)

EA/NRW Active Landfill

EA/NRW Historic Landfill

BGS / DoE Survey Landfill

Historic and Planned Waste Sites

EA/NRW Licensed Waste Site

Local Authority/Historical Mapping Landfill Records

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:

1

The following Environment Agency/Natural Resources Wales landfill records are represented as polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
2A	771	NE	398694 357292	Address: Fowlchurch Landfill Site, Fowlchurch Road, Ball Haye, Leek, Staffordshire, ST10 6BH Landfill Reference: 42351.0 Environmental Permitting Regulations (Waste) Reference: STA022 Landfill Type: A04: Household, Commercial & Industrial Waste Landfill	Operator: Staffordshire County Council Status: Closure IPPC Reference: EPR Reference:

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

7

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	
3A	769	NE	398700 357400	Site Address: Fowlchurch Landfill Site/Tip, Fowlchurch Road, Ball Haye Green, Leek, Staffordshire Waste Licence: Yes Site Reference: TZ08, WDLZ8, 1/F/77/0036, 9999/9951, STAFFORDSHIRE MOORLANDS 12, 42351, 1/F/93/0521 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 09-Jun-1977 Licence Surrendered: Licence Holder Address: 4 Chapel Street, Stafford Operator: Leek Rural District Council Licence Holder: Staffordshire County Council First Recorded: 04-Aug-1969 Last Recorded: 25-Oct-1995

ID	Distance (m)	Direction	NGR	Details	
Not shown	801	S	397700 356100	Site Address: Rear Of Station Garage, Burton Street, Leek, Staffordshire Waste Licence: Yes Site Reference: C38, 1/A/89/0313, 9999/9983 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 04-Jan-1989 Licence Surrendered: 25-Apr-1994 Licence Holder Address: Burton Street, Leek, Staffordshire Operator: - Licence Holder: C and C Diesels First Recorded: - Last Recorded: -
Not shown	1052	E	398800 356800	Site Address: British Trimmings, Ball Haye Road, Leek, Staffordshire Waste Licence: Yes Site Reference: 1/E/77/0009, WDL/B03, 9999/9957 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 16-Mar-1977 Licence Surrendered: 14-Jan-1993 Licence Holder Address: Ball Haye Road, Leek, Staffordshire Operator: - Licence Holder: British Trimmings (Leek) Limited First Recorded: 31-Dec-1977 Last Recorded: 31-Dec-1992
Not shown	1181	E	398900 357300	Site Address: Bode's Tip, Ball Haye Green, Leek, Staffordshire Waste Licence: Yes Site Reference: 1/D/77/0101, B26, 9999/9965 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 06-Jun-1977 Licence Surrendered: 11-Dec-1992 Licence Holder Address: - Operator: - Licence Holder: F Bode and Son Limited First Recorded: 29-Nov-1972 Last Recorded: 31-Dec-1990
Not shown	1346	NE	398900 357700	Site Address: Horsecroft Farm, Tittesworth, Leek, Staffordshire Waste Licence: - Site Reference: STAFFORDSHIRE MOORLANDS 13, 9999/9425 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: 01-Jan-1950 Last Recorded: 31-Dec-1969
Not shown	1381	E	399100 357500	Site Address: Tittesworth, Leek, Staffordshire Waste Licence: - Site Reference: STAFFORDSHIRE MOORLANDS 10, 9999/9428 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1405	E	399200 356800	Site Address: Land Between Weston Street And Prince Street, Weston Street And Prince Street, Leek, Staffordshire Waste Licence: - Site Reference: STAFFORDSHIRE MOORLANDS 14, 9999/9424 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -

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

1

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	981	E	398700.0 357400.0	Address: Fowlchurch Refuse Tip, Green Leek, Staffs BGS Number: 562.0	Risk: Risk to major aquifer Waste Type: N/A

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

2

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	1321	NE	398976 357731	Refuse Tip	1967 mapping	Polygon
Not shown	1376	NE	399012 357725	Refuse Tip	1964 mapping	Polygon

3.2 Other Waste Sites

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

0

Database searched and no data found.

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

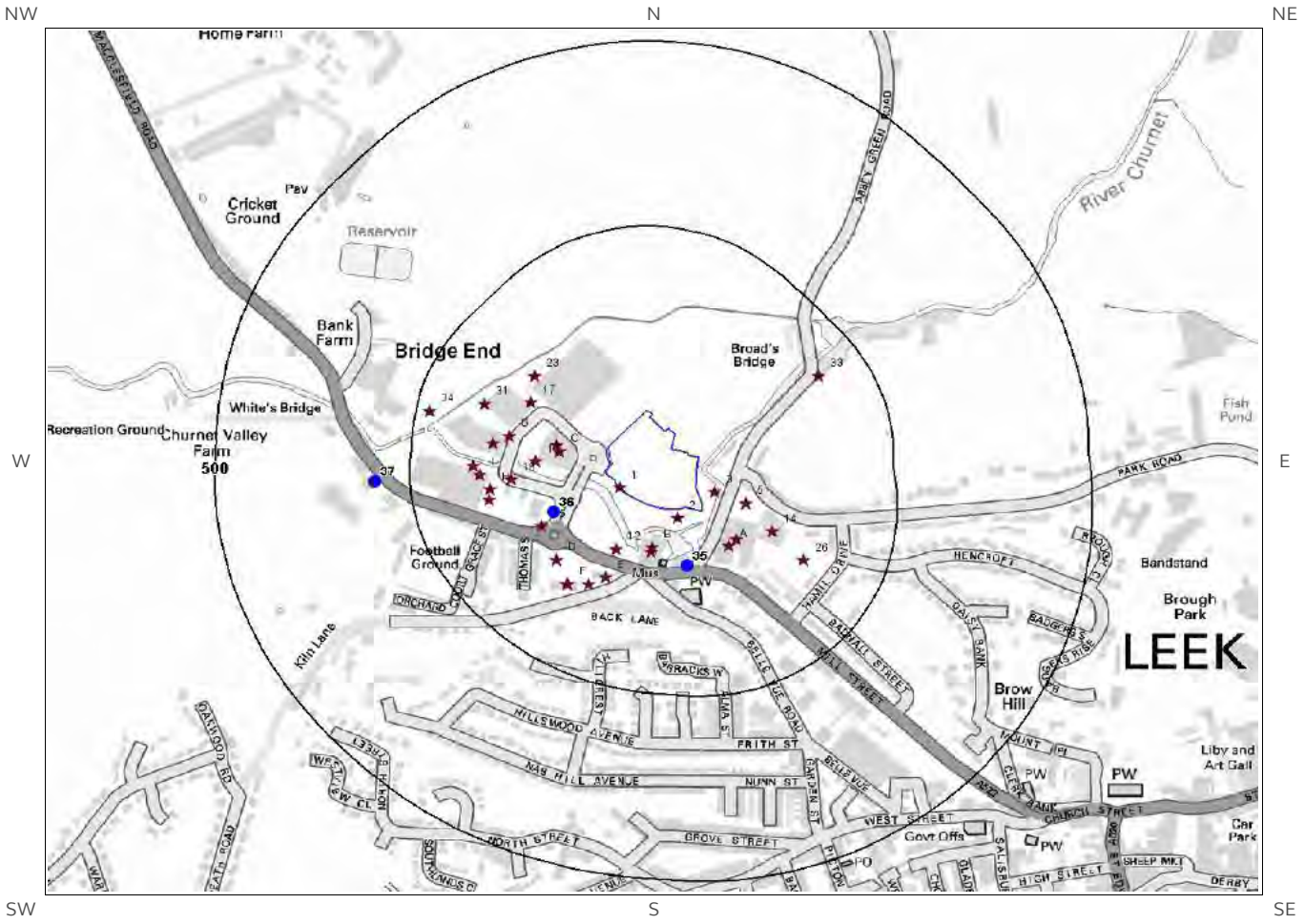
7

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	
Not shown	917	E	398670 357268	Site Address: Fowlchurch Road, Ball Haye Green, Leek, Staffordshire, ST10 6BH Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: THR004 EPR reference: - Operator: 3 C Waste Ltd Waste Management licence No: 42350 Annual Tonnage: 74999.0	Issue Date: 26/03/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: W R G - Fowlchurch Waste Transfer Station & Recycling Centre Correspondence Address: Barton House, Darland Lane, Lavister, Wrexham, LL12 0EL
Not shown	917	E	398670 357269	Site Address: Fowlchurch Waste Transfer Station, Fowlchurch Road, Ball Haye, Leek, Staffordshire, ST13 6BH Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STA023 EPR reference: EA/EPR/UP3891FT/V003 Operator: Staffordshire County Council Waste Management licence No: 42350 Annual Tonnage: 74999.0	Issue Date: 26/03/1993 Effective Date: 04/02/2006 Modified: 28/03/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Fowlchurch Waste Transfer Station & Recycling Centre Correspondence Address: -
Not shown	917	E	398670 357269	Site Address: Fowlchurch W T S & H W R C, Fowlchurch Road, Ball Haye Green, Leek, Staffordshire, ST13 6BH Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FCC022 EPR reference: EA/EPR/AB3601CW/T001 Operator: F C C Waste Services (U K) Limited Waste Management licence No: 42350 Annual Tonnage: 74999.0	Issue Date: 26/03/1993 Effective Date: 19/09/2013 Modified: 28/03/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Fowlchurch Waste Transfer Station & H W R C Correspondence Address: -
Not shown	917	E	398670 357269	Site Address: Fowlchurch W T S & H W R C, Fowlchurch Road, Ball Haye Green, Leek, Staffordshire, ST13 6BH Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FCC022 EPR reference: EA/EPR/AB3601CW/T001 Operator: F C C Waste Services (U K) Limited Waste Management licence No: 42350 Annual Tonnage: 74999.0	Issue Date: 26/03/1993 Effective Date: 19/09/2013 Modified: 28/03/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Fowlchurch Waste Transfer Station & H W R C Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	933	E	398698 357196	Site Address: Fowlchurch Depot, Ball Haye Green, Leek, Staffordshire, ST13 6BH Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STA005 EPR reference: EA/EPR/PP3891FM/A001 Operator: Staffordshire Moorlands District Council Waste Management licence No: 42273 Annual Tonnage: 24999.0	Issue Date: 05/10/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Staffordshire Moorlands D C Correspondence Address: -
Not shown	946	E	398694 357292	Site Address: Fowlchurch Road, Ball Haye, Leek, Staffordshire Type: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STA022 EPR reference: - Operator: Staffordshire County Council Waste Management licence No: 42351 Annual Tonnage: 287560.0	Issue Date: 26/03/1993 Effective Date: 20/07/2001 Modified: 20/07/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Staffordshire C C - Fowlchurch Landfill Site Correspondence Address: Staffordshire County Council, Greenhall, Lichfield Road, Stafford, ST17 4LA
Not shown	946	E	398694 357292	Site Address: Fowlchurch Landfill Site, Fowlchurch Road, Ball Haye, Leek, Staffordshire, ST10 6BH Type: Household, Commercial & Industrial Waste Landfill Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STA022 EPR reference: EA/EPR/UP3491FB/V002 Operator: Staffordshire County Council Waste Management licence No: 42351 Annual Tonnage: 250000.0	Issue Date: 26/03/1993 Effective Date: 20/07/2001 Modified: 13/08/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure Site Name: Staffordshire C C - Fowlchurch Landfill Site Correspondence Address: -

4. Current Land Use Map



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Site Outline

250
500
Search Buffers (m)

Current Industrial Sites

Petrol & Fuel Sites

Electricity Transmission Cables

Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 34

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	1	SW	Electricity Sub Station	397671 357039	ST13	Electrical Features	Infrastructure and Facilities
2	11	S	Works	397745 356998	ST13	Unspecified Works Or Factories	Industrial Features
3	21	E	Pumping House	397793 357033	ST13	Water Pumping Stations	Industrial Features
4B	53	S	Super Sport	397713 356958	Hope Silk Mill, Macclesfield Road, Leek, ST13 8JZ	Clothing, Components and Accessories	Consumer Products
5	55	E	Works	397832 357018	ST13	Unspecified Works Or Factories	Industrial Features
6A	58	SE	W I P	397810 356960	Albany Mill, Abbey Green Road, Leek, ST13 8JY	Textiles, Fabrics, Silk and Machinery	Industrial Products
7A	59	SE	Works	397821 356969	ST13	Unspecified Works Or Factories	Industrial Features
8B	60	S	Works	397712 356952	ST13	Unspecified Works Or Factories	Industrial Features
9C	61	W	W S Engineering Ltd	397594 357088	Park Works, Abbey Green Road, Leek, ST13 8SA	Tools Including Machine Shops	Industrial Products
10C	61	W	Classic Corporate Wear	397593 357087	Unit 3/G Churnet Works, James Brindley Road, Leek, ST13 8YH	Workwear	Industrial Products
11C	65	W	Elite Gaming	397590 357096	Unit 3a Churnet Works, James Brindley Road, Leek, ST13 8YH	Hobby, Sports and Pastime Products	Consumer Products
12	70	SW	Works	397667 356956	ST13	Unspecified Works Or Factories	Industrial Features
13	90	W	Works	397564 357074	ST13	Unspecified Works Or Factories	Industrial Features
14	94	E	Works	397866 356980	ST13	Unspecified Works Or Factories	Industrial Features
15	109	SW	Works	397571 356987	ST13	Unspecified Works Or Factories	Industrial Features
16E	111	SW	Works	397653 356918	ST13	Unspecified Works Or Factories	Industrial Features
17	116	NW	Electricity Sub Station	397557 357154	ST13	Electrical Features	Infrastructure and Facilities
18	121	W	Tank	397532 357050	ST13	Tanks (Generic)	Industrial Features

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
19D	126	SW	Shell Bridge End Garage	397590 356941	Macclesfield Road, Leek, ST13 8LD	Petrol and Fuel Stations	Road and Rail
20D	126	SW	Bridge End Garage	397590 356941	Macclesfield Road, Leek, ST13 8LD	Petrol and Fuel Stations	Road and Rail
21G	127	W	Electricity Sub Station	397530 357109	ST13	Electrical Features	Infrastructure and Facilities
22E	130	SW	Electricity Sub Station	397631 356908	ST13	Electrical Features	Infrastructure and Facilities
23	135	NW	Tank	397562 357190	ST13	Tanks (Generic)	Industrial Features
24F	143	SW	Carrs Billington	397604 356908	Macclesfield Road, Leek, ST13 8NR	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
25F	144	SW	Warehouse	397604 356908	ST13	Container and Storage	Transport, Storage and Delivery
26	146	SE	Electricity Sub Station	397907 356941	ST13	Electrical Features	Infrastructure and Facilities
27G	147	W	The Portland Dyeing Company Ltd	397508 357098	Unit 2a Churnet Works, James Brindley Road, Leek, ST13 8YH	Textiles, Fabrics, Silk and Machinery	Industrial Products
28H	149	W	Tanks	397506 357037	ST13	Tanks (Generic)	Industrial Features
29H	153	W	Tanks	397504 357023	ST13	Tanks (Generic)	Industrial Features
30I	161	W	Tennants Fine Chemicals Ltd	397492 357056	Macclesfield Road, Leek, ST13 8LD	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
31	169	W	Magic Textiles Ltd	397497 357152	Unit 1/A Churnet Works, James Brindley Road, Leek, ST13 8YH	Textiles, Fabrics, Silk and Machinery	Industrial Products
32I	169	W	Tank	397484 357068	ST13	Tanks (Generic)	Industrial Features
33	190	NE	Leek Signs & Graphics	397926 357189	The Old Shawmill, Abbey Green Road, Leek, ST13 8SA	Signs	Industrial Products
34	233	W	Tanks	397428 357143	ST13	Tanks (Generic)	Industrial Features

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 3

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
35	76	S	397757 356932	Obsolete	Leek Service Station, Macclesfield Road, Macclesfield Road, Leek, Staffordshire, ST13 8LD	Not Applicable	Obsolete

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
36	84	SW	397588 357006	Sainsburys	Sainsburys Leek, Macclesfield Road, Macclesfield Road, Leek, Staffordshire, ST13 8LE	No	Open
37	295	W	397359 357046	Shell	Bridge End Garage, Macclesfield Road, Macclesfield Road, Leek, Staffordshire, ST13 8LD	No	Open

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

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

5.3 Bedrock and Solid Geology

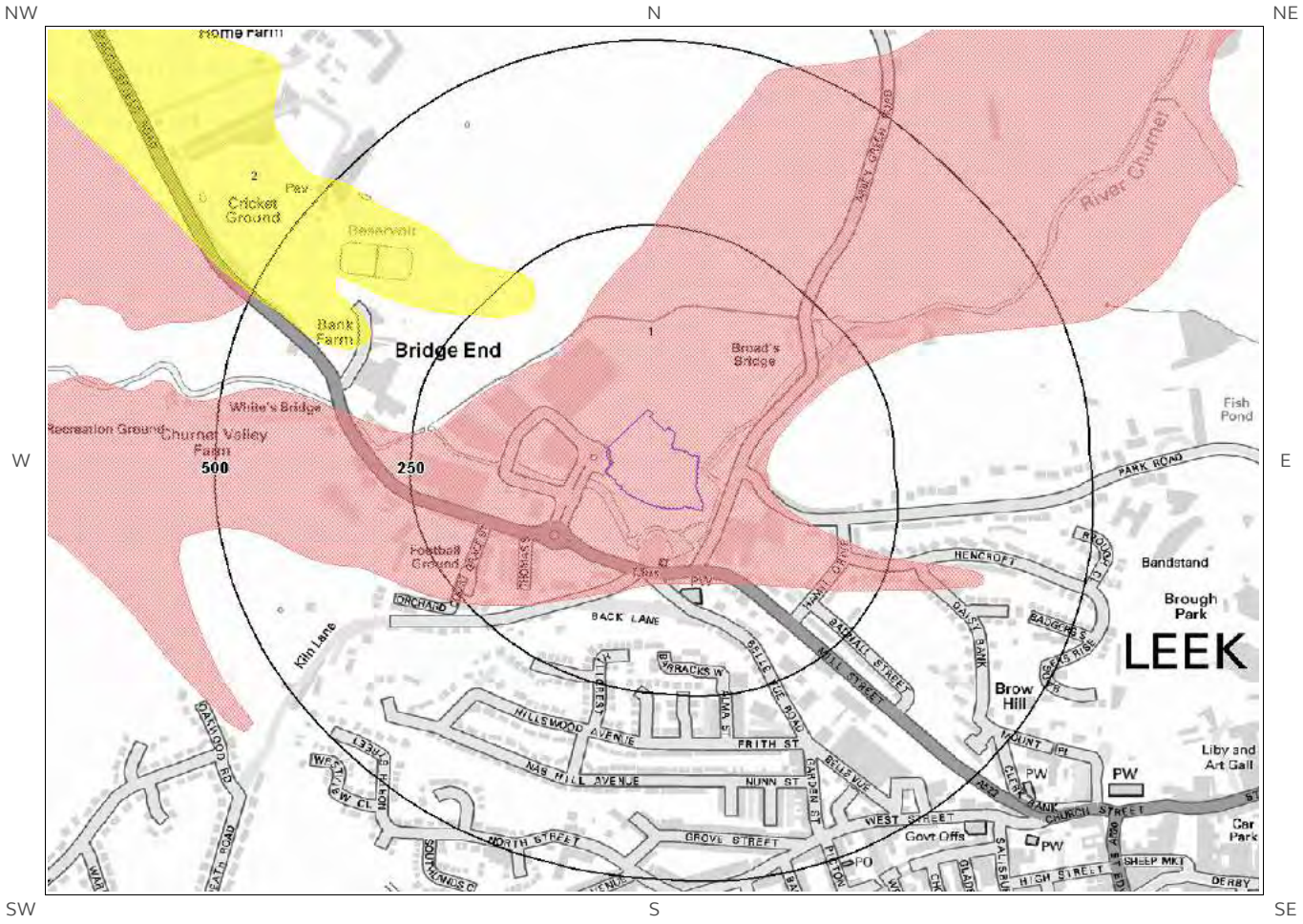
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
CHES-PESST	CHESTER FORMATION	SANDSTONE, PEBBLY (GRAVELLY)

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

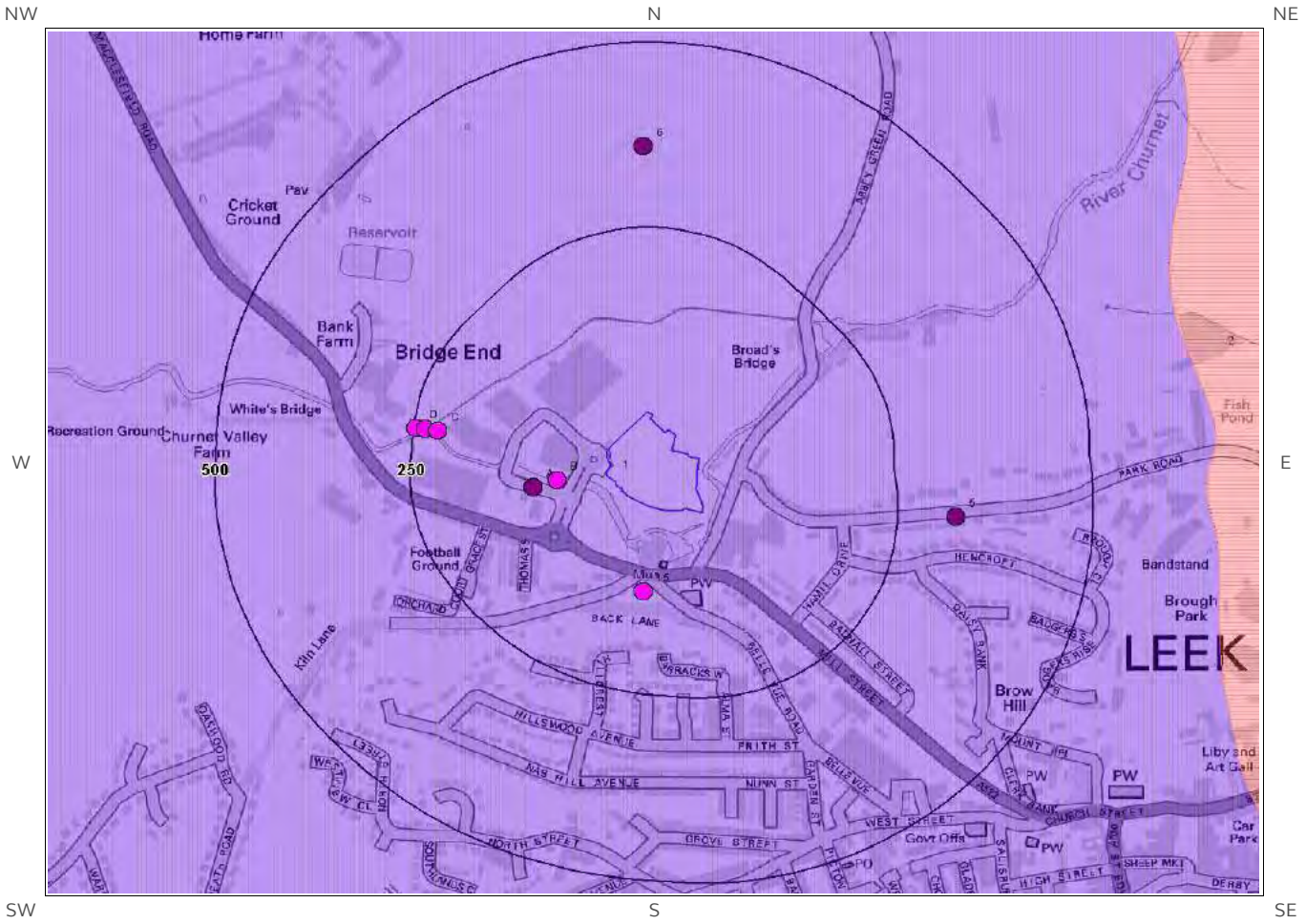
6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



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6b. Aquifer Within Bedrock Geology and Abstraction Licenses



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Site Outline

250
500
Search Buffers (m)

Principal Aquifer

Secondary (A) Aquifer - Permeable Layers

Secondary (B) Aquifer - Lower Permeability Layers

Groundwater Abstraction Licence

Secondary Aquifer - Undifferentiated Layers

Unproductive

Unknown (lakes and landslip)

Surface Water Abstraction Licence

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



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Site Outline

250
500
Search Buffers (m)

Source Protection Zone 1 - Inner Catchment

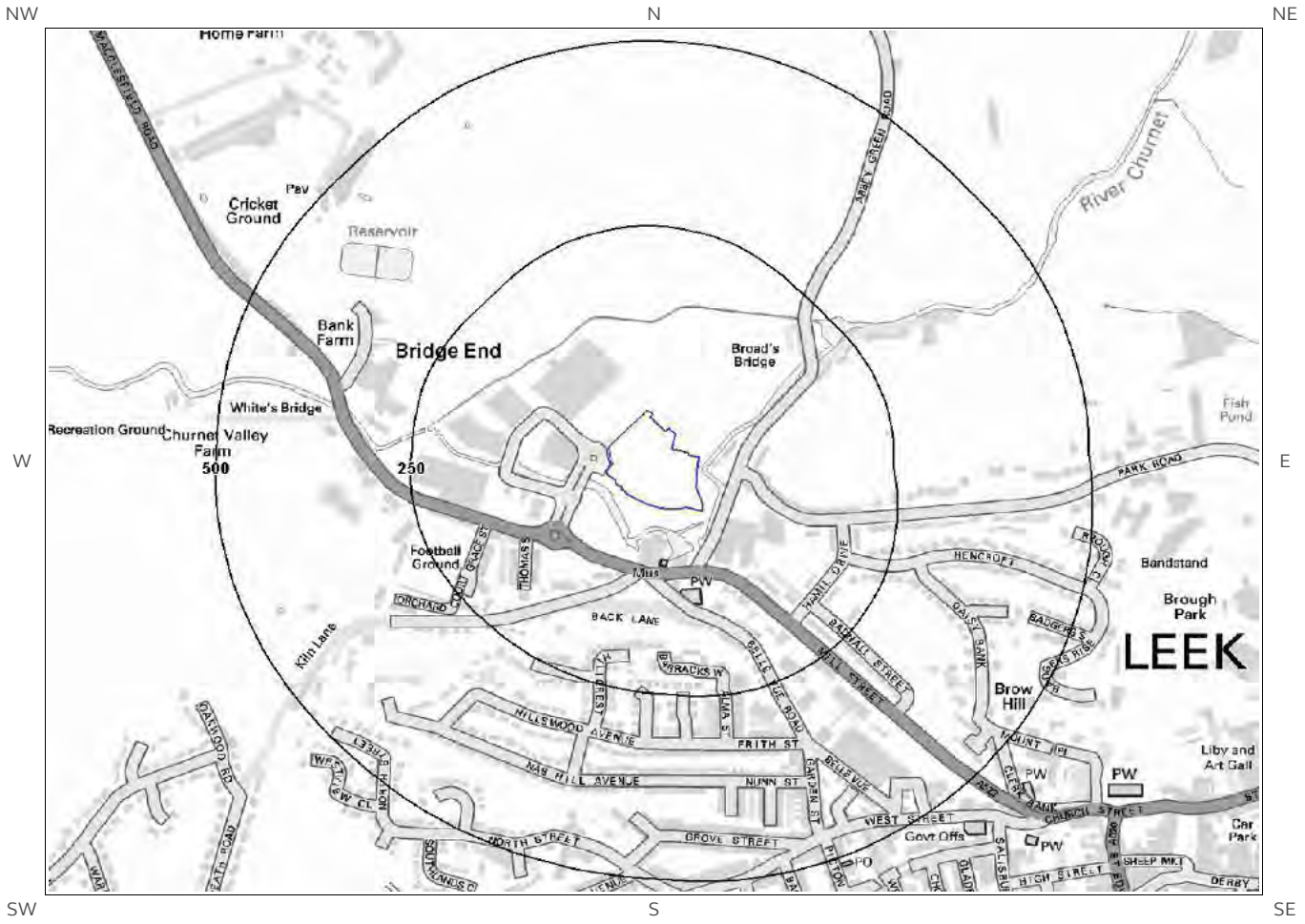
Source Protection Zone 2 - Outer Catchment

Source Protection Zone 3 - Total Catchment

Source Protection Zone 4 - Zone of Special Interest

Potable Water Abstraction Licence

6d. Hydrogeology – Source Protection Zones within confined aquifer



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Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

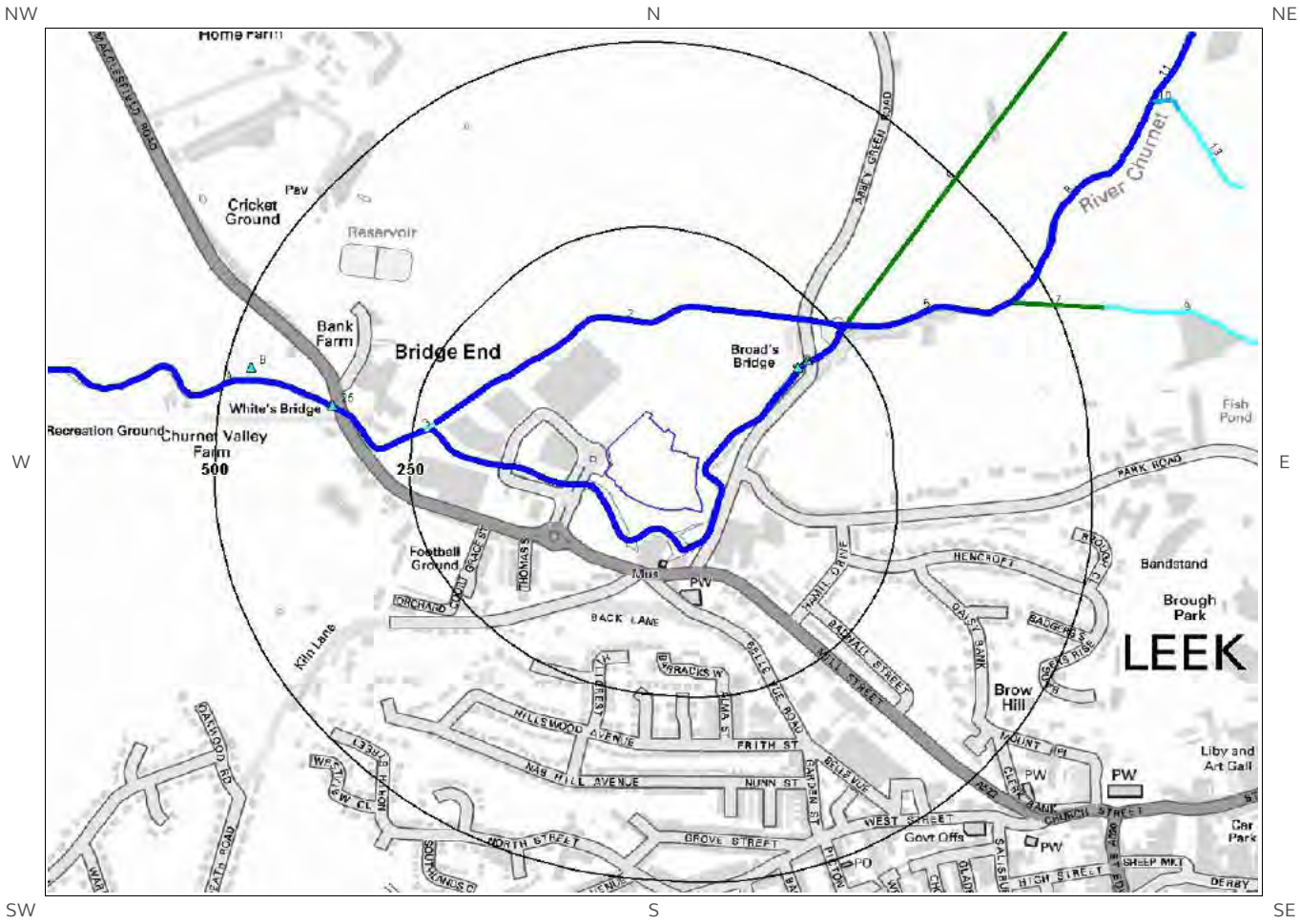
Source Protection Zone 3C - Total Catchment within Confined Aquifer

Site Outline

250
500
Search Buffers (m)

Potable Water Abstraction Licence

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	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
2	203	NW	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

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	
3A	95	W	397560 357040	Status: Historical Licence No: 03/28/30/0214 Details: Process Water Direct Source: Groundwater Midlands Region Point: Macclesfield Road, Leek - Borehole Data Type: Point Name: The Portland Dyeing Company Ltd	Annual Volume (m^3): 147972 Max Daily Volume (m^3): 5454 Original Application No: - Original Start Date: 9/6/1998 Expiry Date: - Issue No: 104 Version Start Date: 30/1/2009 Version End Date:
4A	95	W	397560 357040	Status: Historical Licence No: 03/28/30/0214 Details: Non-Evaporative Cooling Direct Source: Groundwater Midlands Region Point: Macclesfield Road, Leek - Borehole Data Type: Point Name: The Portland Dyeing Company Ltd	Annual Volume (m^3): 147972 Max Daily Volume (m^3): 5454 Original Application No: - Original Start Date: 9/6/1998 Expiry Date: - Issue No: 104 Version Start Date: 30/1/2009 Version End Date:
5	323	E	398100 357000	Status: Historical Licence No: 03/28/30/0158 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: Maple House - Well Data Type: Point Name: AVON HOLDINGS (WOLVERHAMPTON) LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/11/1972 Version End Date:
6	358	N	397700 357500	Status: Historical Licence No: 03/28/30/0054 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: Home Farm - Collecting Chamber Data Type: Point Name: MYCOCK	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 18/11/1965 Version End Date:
Not shown	590	NE	397970 357670	Status: Active Licence No: 03/28/30/0184 Details: Potable Water Supply - Direct Direct Source: Groundwater Midlands Region Point: Abbey Green Pumping Station - Borehole Data Type: Point Name: SEVERN TRENT WATER LIMITED	Annual Volume (m^3): 3650000 Max Daily Volume (m^3): 10000 Original Application No: NPS/WR/005188 Original Start Date: 6/7/1978 Expiry Date: - Issue No: 102 Version Start Date: 22/10/2010 Version End Date:
Not shown	1028	E	398800 356910	Status: Historical Licence No: 03/28/30/0019 Details: Process water Direct Source: Groundwater Midlands Region Point: Ball Haye Road, Leek - Borehole Data Type: Point Name: BRITISH TRIMMINGS (LEEK) LTD	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 12/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 9/8/1996 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1049	NW	396800 357700	Status: Historical Licence No: 03/28/30/0066 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: Hedgefields Farm - Well Data Type: Point Name: BRUNT BROTHERS	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 18/11/1965 Version End Date:
Not shown	1591	NE	398800 358300	Status: Historical Licence No: 03/28/30/0028 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: South Hillswood Farm - Well Data Type: Point Name: OWEN	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 12/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 1/12/1982 Version End Date:
Not shown	1593	NW	396570 358260	Status: Active Licence No: 03/28/30/0160 Details: Potable Water Supply - Direct Direct Source: Groundwater Midlands Region Point: Pool End - 2 Boreholes Data Type: Point Name: SEVERN TRENT WATER LIMITED	Annual Volume (m^3): 3650000 Max Daily Volume (m^3): 10000 Original Application No: NPS/WR/005182 Original Start Date: 28/11/1968 Expiry Date: - Issue No: 102 Version Start Date: 22/10/2010 Version End Date:

6.4 Surface Water Abstraction Licences

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

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

ID	Distance (m)	Direction	NGR	Details	
12B	64	W	397590 357050	Status: Historical Licence No: 03/28/30/0208 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface Water Midlands Region Point: Churnet Works - River Churnet Data Type: Point Name: CHURNET WORKS ESTATES LIMITED	Annual Volume (m^3): 1200000 Max Daily Volume (m^3): 4400 Application No: - Original Start Date: 19/9/1995 Expiry Date: - Issue No: 105 Version Start Date: 16/10/2007 Version End Date:
13B	64	W	397590 357050	Status: Historical Licence No: 03/28/30/0208 Details: Process Water Direct Source: Surface Water Midlands Region Point: Churnet Works - River Churnet Data Type: Point Name: The Portland Dyeing Company Ltd	Annual Volume (m^3): 800000 Max Daily Volume (m^3): 8800 Application No: - Original Start Date: 19/9/1995 Expiry Date: - Issue No: 107 Version Start Date: 30/1/2009 Version End Date:
14B	64	W	397590 357050	Status: Historical Licence No: 03/28/30/0208 Details: Non-Evaporative Cooling Direct Source: Surface Water Midlands Region Point: Churnet Works - River Churnet Data Type: Point Name: The Portland Dyeing Company Ltd	Annual Volume (m^3): 800000 Max Daily Volume (m^3): 8800 Application No: - Original Start Date: 19/9/1995 Expiry Date: - Issue No: 107 Version Start Date: 30/1/2009 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
15	113	S	397700 356900	Status: Active Licence No: 03/28/30/0173 Details: Milling & Water Power Other Than Electricity Generation Direct Source: Surface Water Midlands Region Point: River Churnet Data Type: Point Name: THE BRINDLEY MILL PRESERVATION TRUST	Annual Volume (m^3): 272760 Max Daily Volume (m^3): 272760 Application No: - Original Start Date: 23/2/1974 Expiry Date: - Issue No: 100 Version Start Date: 23/2/1974 Version End Date:
16C	219	W	397438 357117	Status: Active Licence No: 03/28/30/0208 Details: Process Water Direct Source: Surface Water Midlands Region Point: River Churnet At Churnet Works Data Type: Point Name: The Portland Dyeing Company Ltd	Annual Volume (m^3): 400000 Max Daily Volume (m^3): 4400 Application No: NPS/WR/013697 Original Start Date: 19/9/1995 Expiry Date: 31/3/2030 Issue No: 109 Version Start Date: 28/6/2013 Version End Date:
17C	235	W	397422 357119	Status: Active Licence No: 03/28/30/0129 Details: Process Water Direct Source: Surface Water Midlands Region Point: Bridge End,leek - River Churnet Data Type: Point Name: Tennants Fine Chemicals Ltd	Annual Volume (m^3): 303105 Max Daily Volume (m^3): 1200 Application No: NPS/WR/023888 Original Start Date: 8/2/1966 Expiry Date: - Issue No: 105 Version Start Date: 25/8/2017 Version End Date:
18C	235	W	397422 357119	Status: Active Licence No: 03/28/30/0129 Details: Evaporative Cooling Direct Source: Surface Water Midlands Region Point: Bridge End,leek - River Churnet Data Type: Point Name: Tennants Fine Chemicals Ltd	Annual Volume (m^3): 303105 Max Daily Volume (m^3): 1200 Application No: NPS/WR/023888 Original Start Date: 8/2/1966 Expiry Date: - Issue No: 105 Version Start Date: 25/8/2017 Version End Date:
19D	247	W	397410 357120	Status: Historical Licence No: 03/28/30/0129 Details: Process Water Direct Source: Surface Water Midlands Region Point: Bridge End,leek - River Churnet Data Type: Point Name: Tennants Fine Chemicals Ltd	Annual Volume (m^3): 425800 Max Daily Volume (m^3): 2513 Application No: NPS/WR/006904 Original Start Date: 8/2/1966 Expiry Date: - Issue No: 104 Version Start Date: 25/3/2011 Version End Date:
20D	247	W	397410 357120	Status: Historical Licence No: 03/28/30/0129 Details: Evaporative Cooling Direct Source: Surface Water Midlands Region Point: Bridge End,leek - River Churnet Data Type: Point Name: Tennants Fine Chemicals Ltd	Annual Volume (m^3): 425800 Max Daily Volume (m^3): 2513 Application No: NPS/WR/006904 Original Start Date: 8/2/1966 Expiry Date: - Issue No: 104 Version Start Date: 25/3/2011 Version End Date:
Not shown	1733	S	397390 355310	Status: Historical Licence No: 03/28/30/0218 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: Westwood Golf Club (river Churnet) Data Type: Point Name: WESTWOOD GOLF CLUB	Annual Volume (m^3): 27392 Max Daily Volume (m^3): 128 Application No: A/28/30/43 Original Start Date: 11/10/2005 Expiry Date: 31/3/2018 Issue No: 1 Version Start Date: 11/10/2005 Version End Date:

6.5 Potable Water Abstraction Licences

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

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details	
Not shown	590	NE	397970 357670	Status: Active Licence No: 03/28/30/0184 Details: Potable Water Supply - Direct Direct Source: Groundwater Midlands Region Point: Abbey Green Pumping Station - Borehole Data Type: Point Name: SEVERN TRENT WATER LIMITED	Annual Volume (m^3): 3650000 Max Daily Volume (m^3): 10000 Original Application No: NPS/WR/005188 Original Start Date: 6/7/1978 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:
Not shown	1593	NW	396570 358260	Status: Active Licence No: 03/28/30/0160 Details: Potable Water Supply - Direct Direct Source: Groundwater Midlands Region Point: Pool End - 2 Boreholes Data Type: Point Name: SEVERN TRENT WATER LIMITED	Annual Volume (m^3): 3650000 Max Daily Volume (m^3): 10000 Original Application No: NPS/WR/005182 Original Start Date: 28/11/1968 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:

6.6 Source Protection Zones

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

The following Source Protection Zones records are represented on the SPZ and Potable Water Abstraction Map (6c):

ID	Distance (m)	Direction	Zone	Description
2	0	On Site	3	Total catchment
1	88	NE	2	Outer catchment

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	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Major 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.
178	NE	Major 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.
283	NW	Major Aquifer/High Leaching Potential	H2	Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential.
348	W	Major Aquifer/High Leaching Potential	H2	Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential.

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:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

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

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
21A	176	NE	397900 357200	River Name: Churnet Reach: Tittesworth Res. Flume To Abbey Green Br End/Start of Stretch: End of Stretch NGR	B	B	B	C	C

6.9.2 Chemical Quality:

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAHI). 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):

					Chemical Quality Grade				
ID	Distance (m)	Direction	NGR	River Quality Grade	2005	2006	2007	2008	2009
22A	176	NE	397900 357200	River Name: Churnet R Reach: Abbey Green Road Br To Bridgend End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A
23A	176	NE	397900 357200	River Name: Churnet R Reach: Tittesworth Res Flume To Abbey Green Br End/Start of Stretch: End of Stretch NGR	A	B	B	A	A
24A	191	NE	397912 357210	River Name: Churnet R Reach: Tittesworth Res Flume To Abbey Green Br End/Start of Stretch: Sample Point NGR	A	B	B	A	A
25	356	W	397304 357149	River Name: Churnet R Reach: Abbey Green Road Br To Bridgend End/Start of Stretch: Sample Point NGR	A	A	A	A	A
26B	468	W	397200 357200	River Name: Churnet R Reach: Abbey Green Road Br To Bridgend End/Start of Stretch: End of Stretch NGR	A	A	A	A	A
27B	468	W	397200 357200	River Name: Churnet R Reach: Bridgend To Leek Stw Outfall End/Start of Stretch: Start of Stretch NGR	B	B	B	A	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	10	E	River Name: River Churnet Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
2	121	N	River Name: River Churnet Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
3	223	W	River Name: River Churnet Welsh River Name: - Alternative Name: -	River Type: Tertiary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
4	234	W	River Name: River Churnet Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
5	260	NE	River Name: River Churnet Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
6	260	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
7	452	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
8	452	NE	River Name: River Churnet Welsh River Name: - Alternative Name: -	River Type: Primary 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
6	E
11	SW
15	S
45	W
121	N
132	W
196	NE
235	W

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

NW N NE

W E

SW S SE



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Site Outline

100
250
Search Buffers (m)

Zone 2 Floodplain

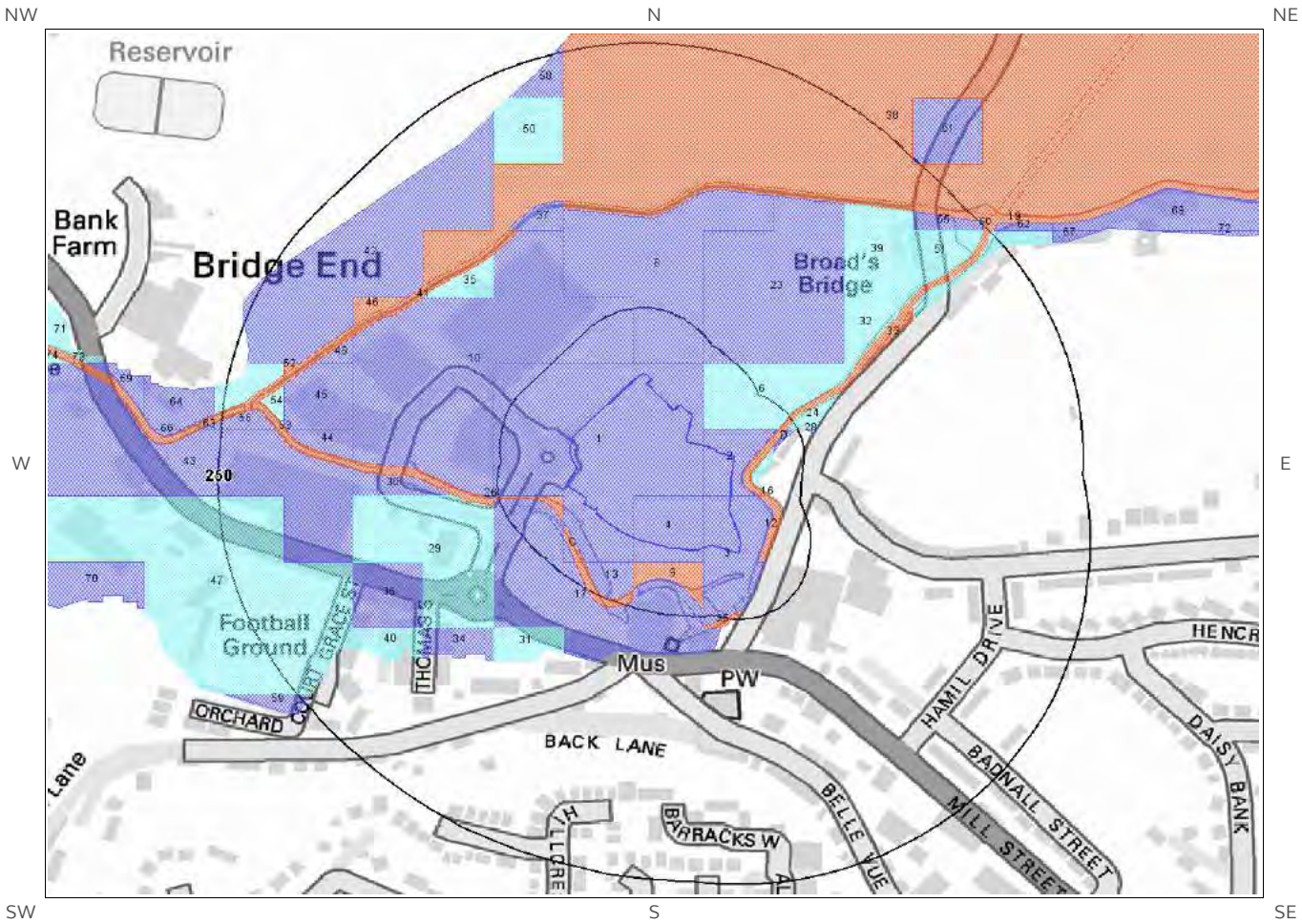
Zone 3 Floodplain

Flood Defences

Area used for Flood Storage

Area Benefiting from Flood Defences

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	0	On Site	24-Nov-2017	Zone 2 - (Fluvial /Tidal Models)
2B	5	E	24-Nov-2017	Zone 2 - (Fluvial /Tidal Models)
3A	14	E	24-Nov-2017	Zone 2 - (Fluvial /Tidal Models)
4A	23	E	24-Nov-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	5	E	24-Nov-2017	Zone 3 - (Fluvial Models)
2B	16	SW	24-Nov-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? Medium

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 Medium (greater than 1 in 100 but less than 1 in 30) chance of flooding in any given year.

Any relevant data within 250m is represented on the RoFRaS Flood map. Data to 50m is reported in the table below.

ID	Distance (m)	Direction	RoFRas flood Risk
1	0.0	On Site	Medium
2	0.0	On Site	Medium
3	0.0	On Site	Medium
4	0.0	On Site	Medium
5A	7.0	E	High
6	8.0	E	Low
7B	8.0	SW	High
8	8.0	N	Medium
9	9.0	S	High
10	10.0	NW	Medium
11A	13.0	E	Low
12	14.0	E	High
13	17.0	S	Medium
14B	20.0	SW	Medium
15C	21.0	SW	High
16	24.0	E	High
17	26.0	SW	Medium
18D	28.0	E	Medium
19	29.0	E	High
20C	30.0	SW	Medium
21D	32.0	NE	Medium
22	34.0	SW	High
23	35.0	NE	Medium
24	43.0	NE	Low
25	44.0	S	High

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 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?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

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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Site Outline

100 250 Search Buffers (m)

AONB

National Park

SSSI

Special Protection Areas

Nitrate Vulnerable Zones

Green Belt

Environmentally Sensitive Areas

Special Areas of Conservation

World Heritage Sites

Nitrate Sensitive Areas

Ancient Woodland

National Nature Reserve

Local Nature Reserves

Ramsar Sites

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:

17

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
5	1079	NE	UNKNOWN	Ancient Replanted Woodland
Not shown	1191	N	UNKNOWN	Ancient and Semi-Natural Woodland
7	1342	NE	UNKNOWN	Ancient Replanted Woodland
8	1382	SW	UNKNOWN	Ancient and Semi-Natural Woodland
9	1405	NE	UNKNOWN	Ancient Replanted Woodland
Not shown	1562	W	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1564	W	UNKNOWN	Ancient Replanted Woodland
12	1590	NE	UNKNOWN	Ancient Replanted Woodland
Not shown	1638	N	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1651	SE	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1682	W	UNKNOWN	Ancient Replanted Woodland
Not shown	1826	SW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1880	SW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1921	NE	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1962	NE	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1962	S	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1988	NE	UNKNOWN	Ancient and Semi-Natural Woodland

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

2

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
1	352	E	Brough Park Fields	Natural England
Not shown	1901	S	Ladderedge Country 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:

1

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

ID	Distance (m)	Direction	ESA Name	Data Source
4	1059	NW	South West Peak	Natural England

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:

1

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
3	0	On Site	Modified	DEFRA

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

1

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ID	Distance	Direction	Green Belt Name	Local Authority Name
22	348	W	Stoke Greenbelt	Staffordshire Moorlands District

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? Moderate

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

Hazard
Significant potential for compressibility problems. Avoid large differential loadings of ground. Do not drain or de-water ground near the property without technical advice. For new build consider possibility of compressible ground in ground investigation, construction and building design. Consider effects of groundwater changes. Extra construction costs are likely. For existing property possible increase in insurance risk from compressibility, especially if water conditions or loading of the ground change significantly.

9.1.5 Collapsible Rocks

What is the maximum Collapsible 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
No indicators for collapsible deposits identified. No actions required to avoid problems due to collapsible deposits. 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? Low

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

Hazard
Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property no significant increase in insurance risk due to running sand problems is likely.

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

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 in a Radon Affected Area, as between 1 and 3% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

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? No

Database searched and no data found.

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
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info@groundsure.com

British Geological Survey Enquiries
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Keyworth, Nottingham NG12 5GG
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Fax: 0115 936 3276.
Email:
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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

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www.gov.uk/phe
Email:**enquiries@phe.gov.uk**
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Local Authority
Authority: Staffordshire Moorlands District Council
Phone: 0845 605 3010
Web: http://www.staffsmoorlands.gov.uk/
Address: Moorlands House, Stockwell Street, Leek, Staffordshire,

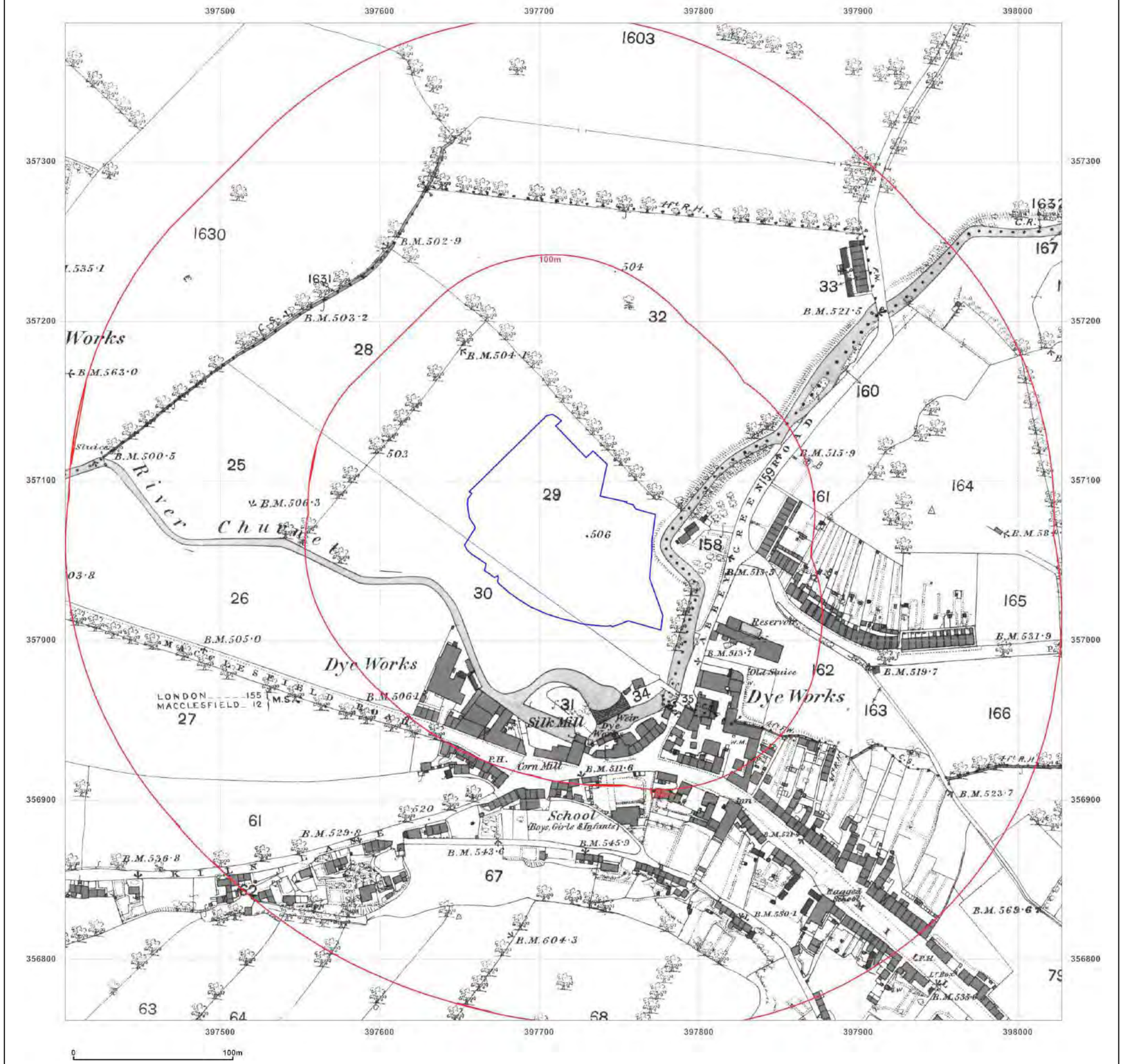
Gemapping PLC
Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444

Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England who retain the Copyright and Intellectual Property Rights for the data.
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APPENDIX 3



Groundsure INSIGHTS

Site Details:

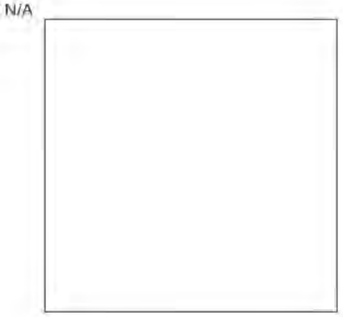
PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: County Series
Map date: **1879**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1879
Revised 1879
Edition N/A
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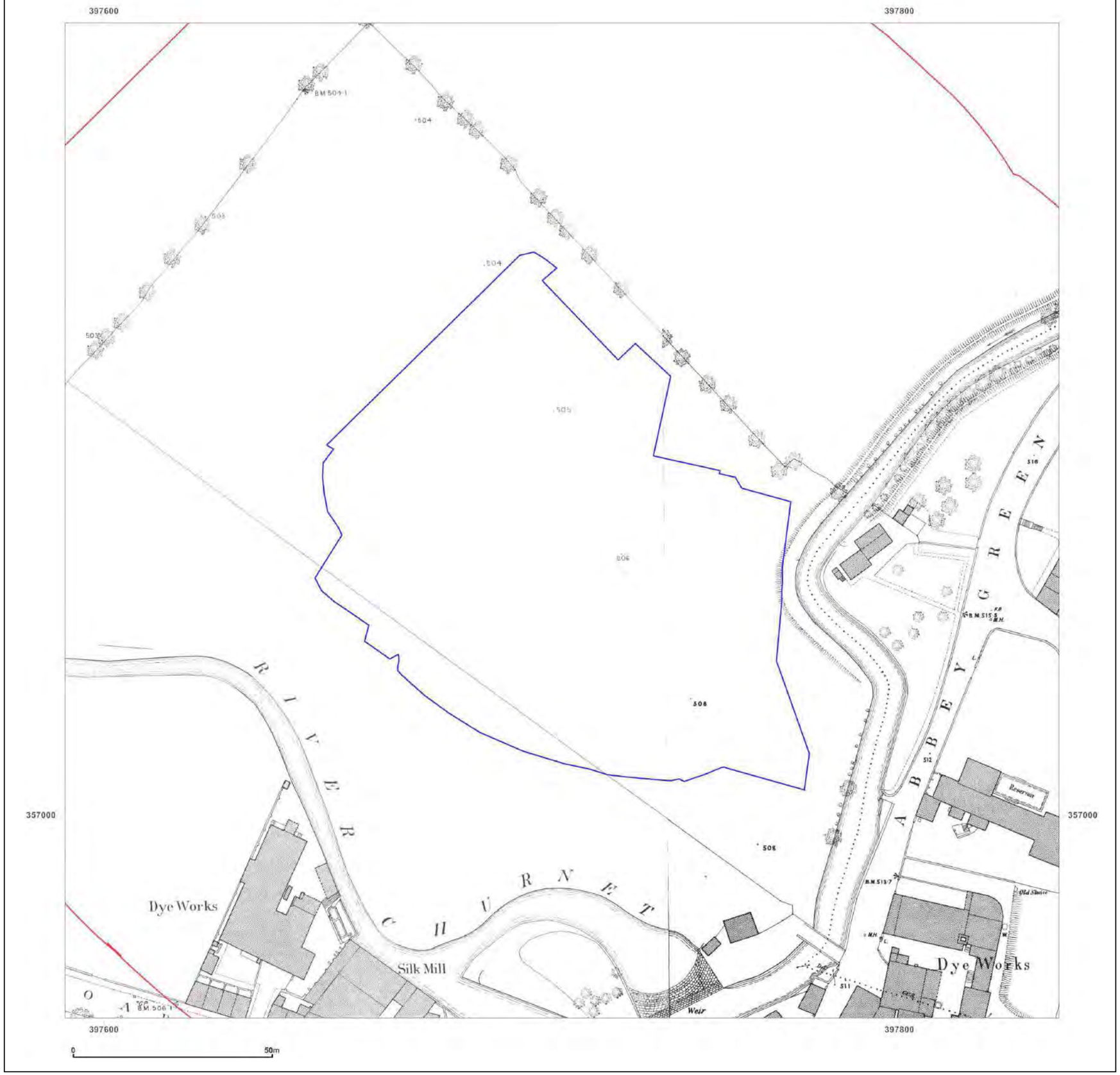
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To view map legend click here *Legend*



Groundsure INSIGHTS

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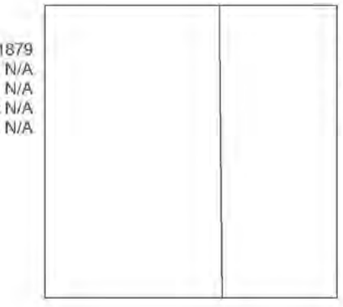
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CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: County Series Town Plan
Map date: **1879**
Scale: 1:500
Printed at: 1:1,000

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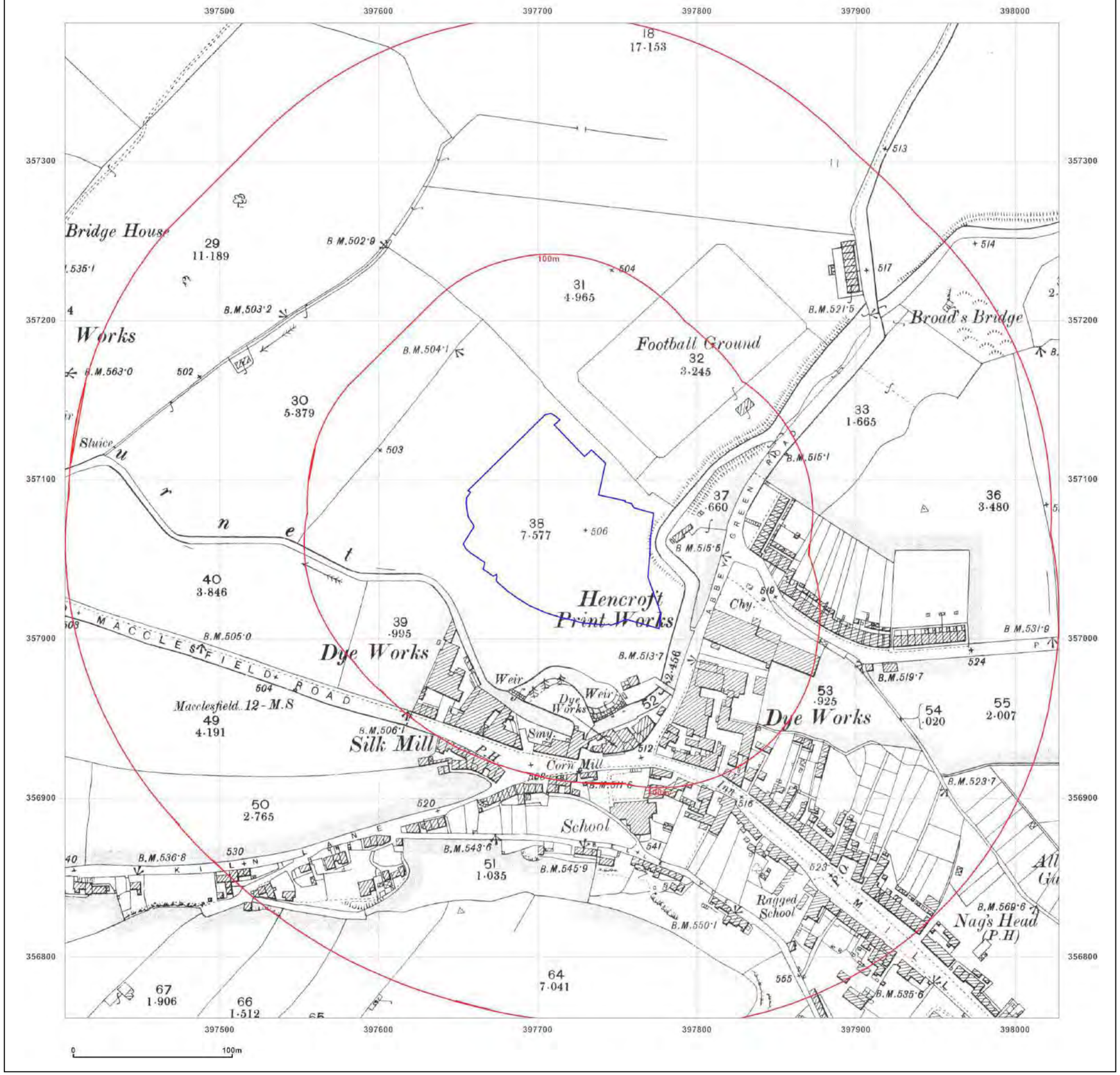
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Groundsure INSIGHTS

Site Details:

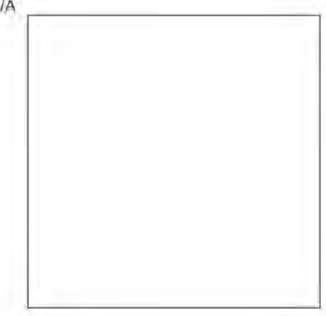
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CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: County Series
Map date: **1899**
Scale: 1:2,500
Printed at: 1:2,500

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Groundsure INSIGHTS

Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: County Series

Map date: **1925**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1925
Revised 1925
Edition N/A
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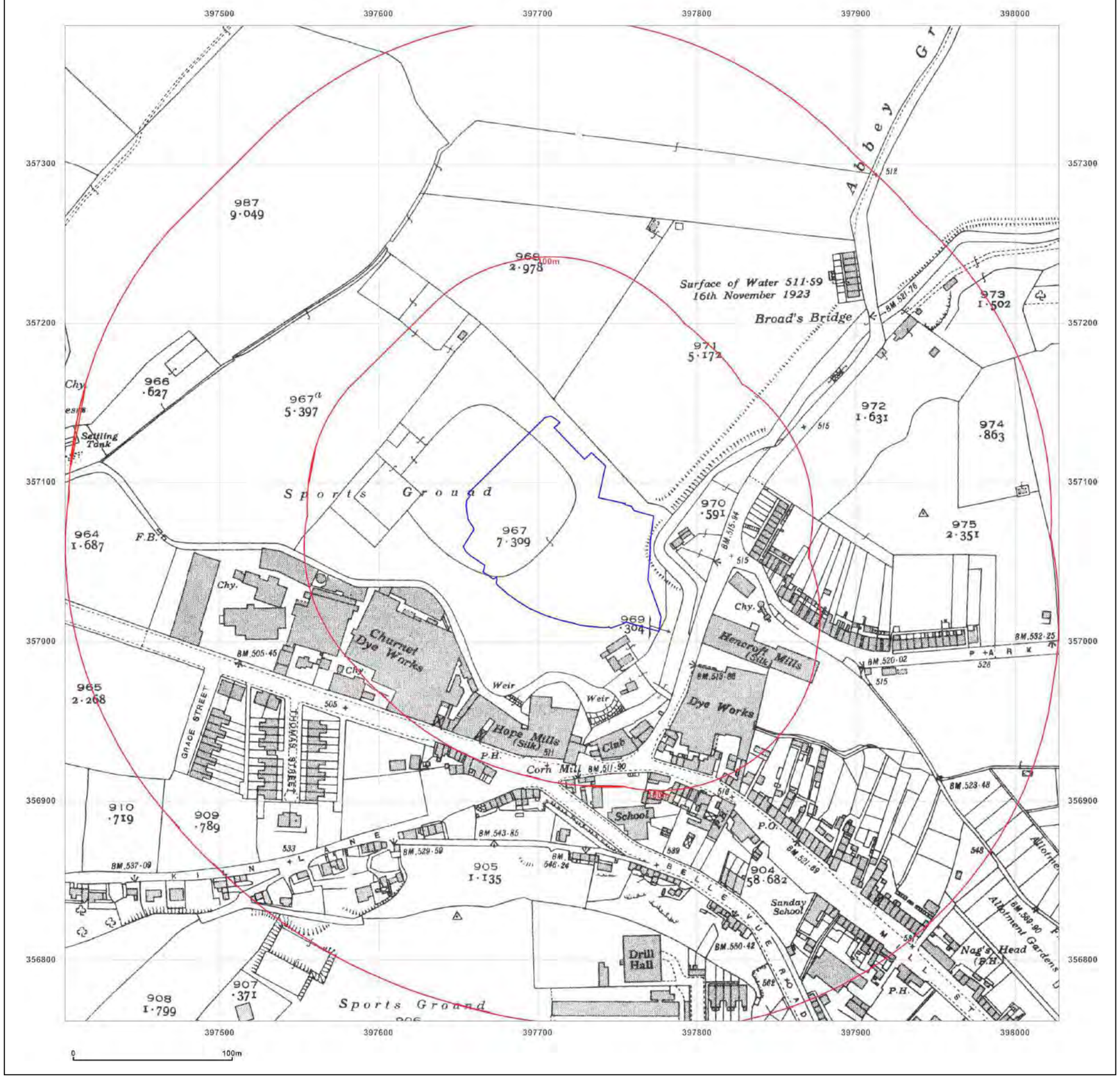
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Production date: 18 December 2017

To view map legend click here *Legend*



Groundsure INSIGHTS

Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: County Series

Map date: **1937**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1937
Revised 1937
Edition N/A
Copyright N/A
Levelled N/A

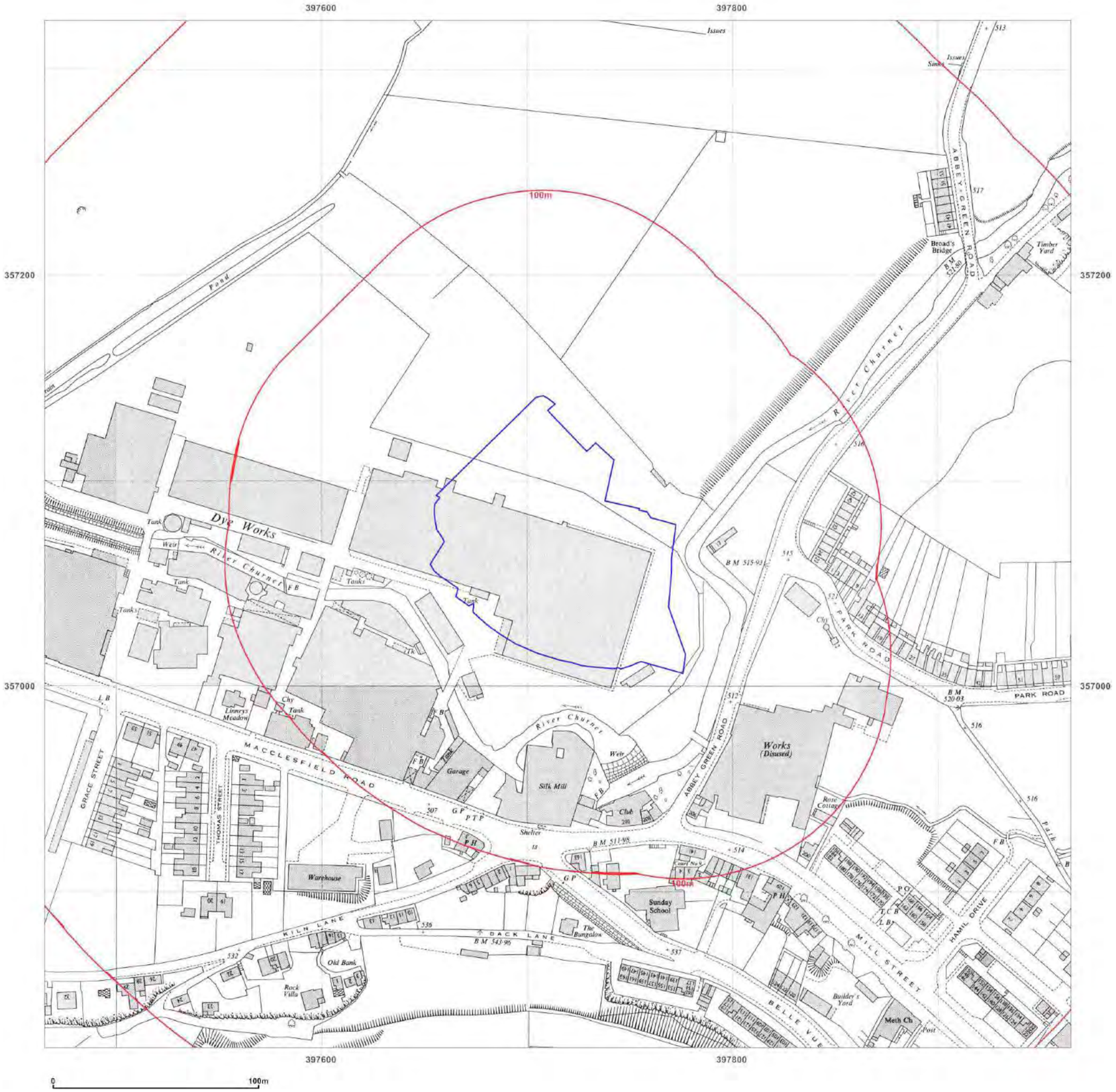
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Groundsure INSIGHTS

Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid
Map date: **1965**
Scale: 1:1,250
Printed at: 1:2,000

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Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1957	Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1962
Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1959	Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1962

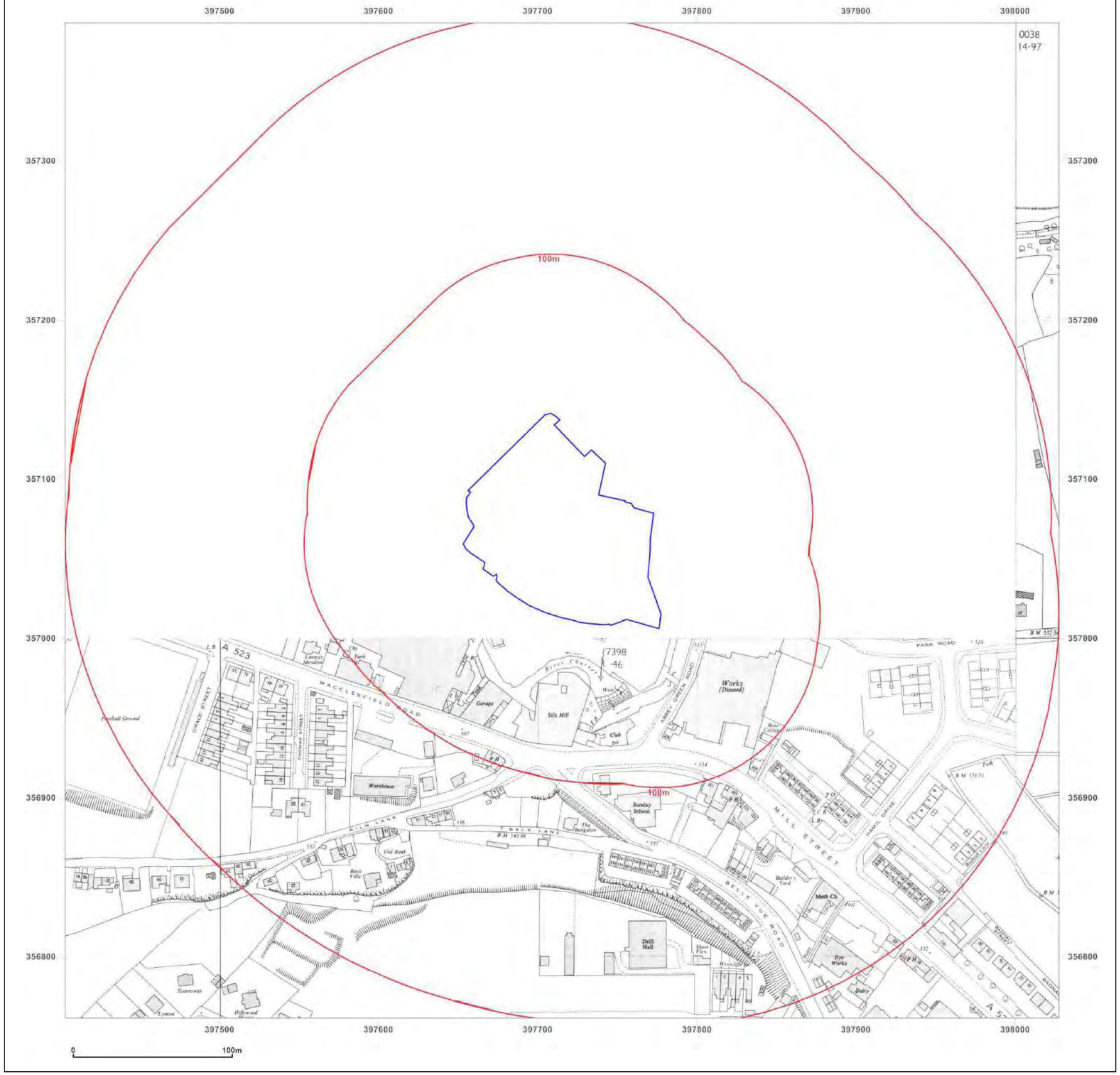
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Groundsure INSIGHTS

Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid

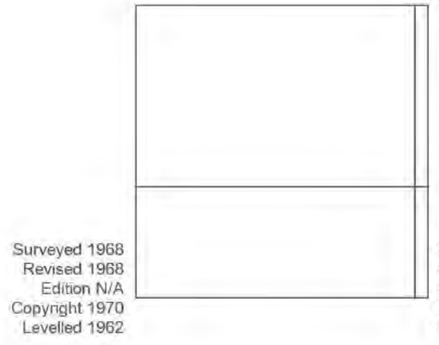
Map date: **1964-1968**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1967
Revised 1967
Edition N/A
Copyright 1968
Levelled 1962



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Revised 1968
Edition N/A
Copyright 1970
Levelled 1962

Surveyed 1964
Revised 1964
Edition N/A
Copyright 1966
Levelled 1962

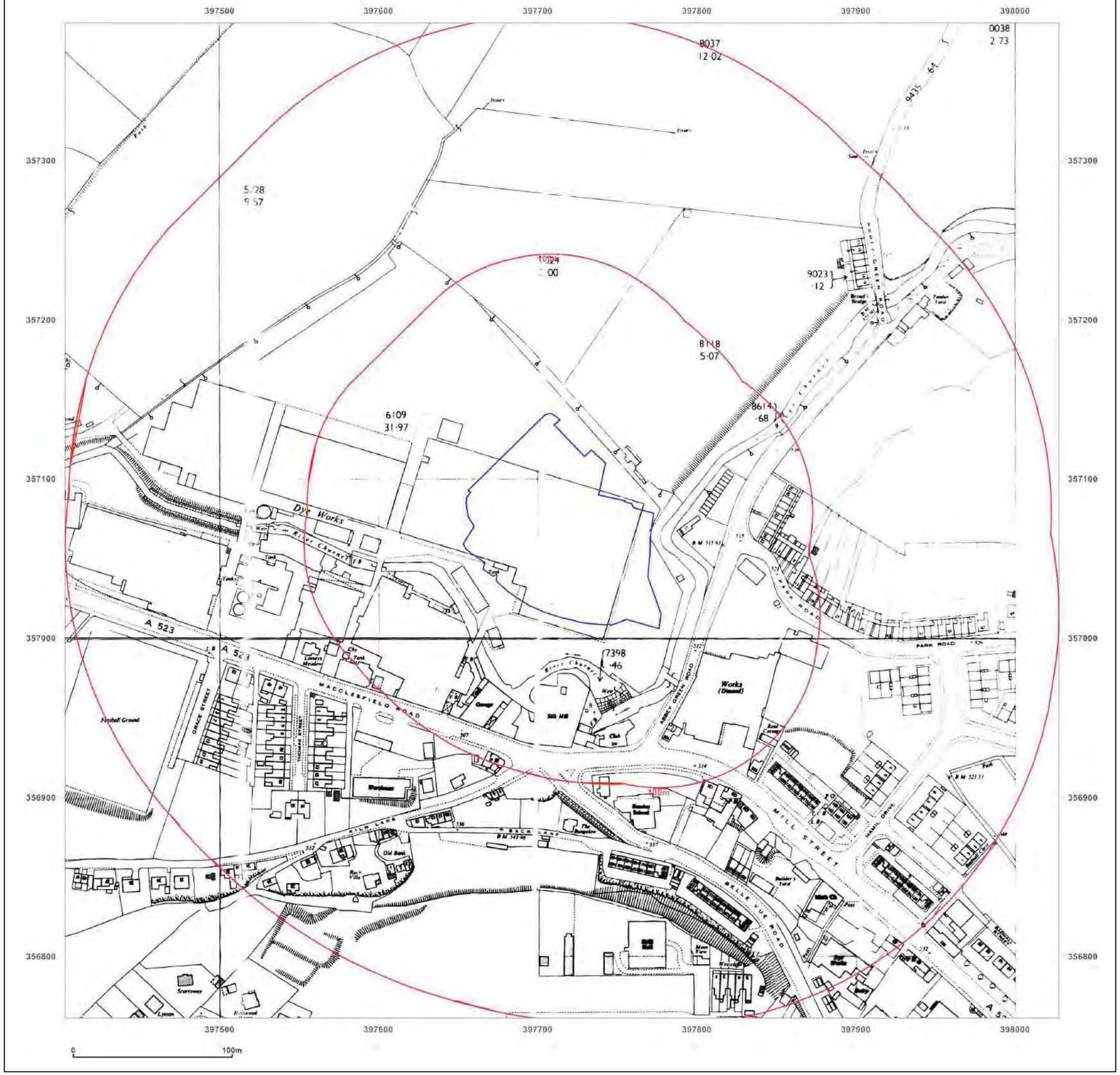
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Groundsure INSIGHTS

Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid

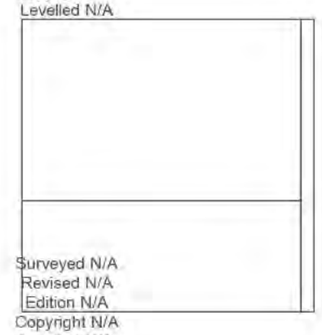
Map date: **1970**

Scale: 1:2,500

Printed at: 1:2,500

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Edition N/A
Copyright N/A
Levelled N/A



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

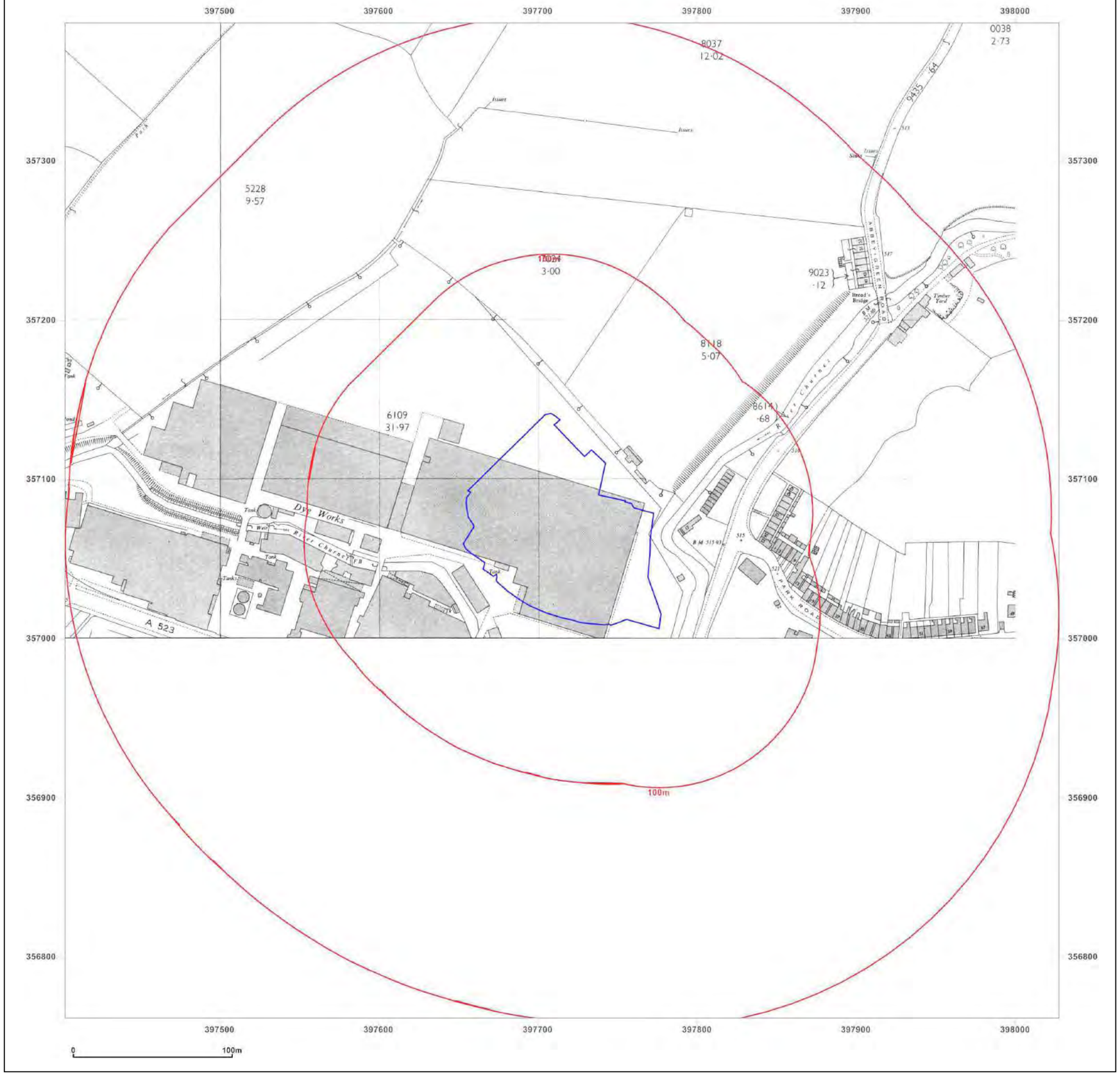
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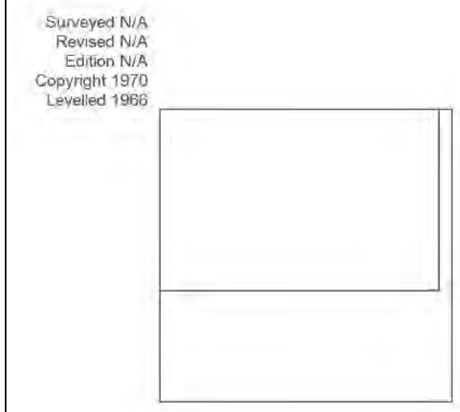
Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid
Map date: **1970**
Scale: 1:2,500
Printed at: 1:2,500

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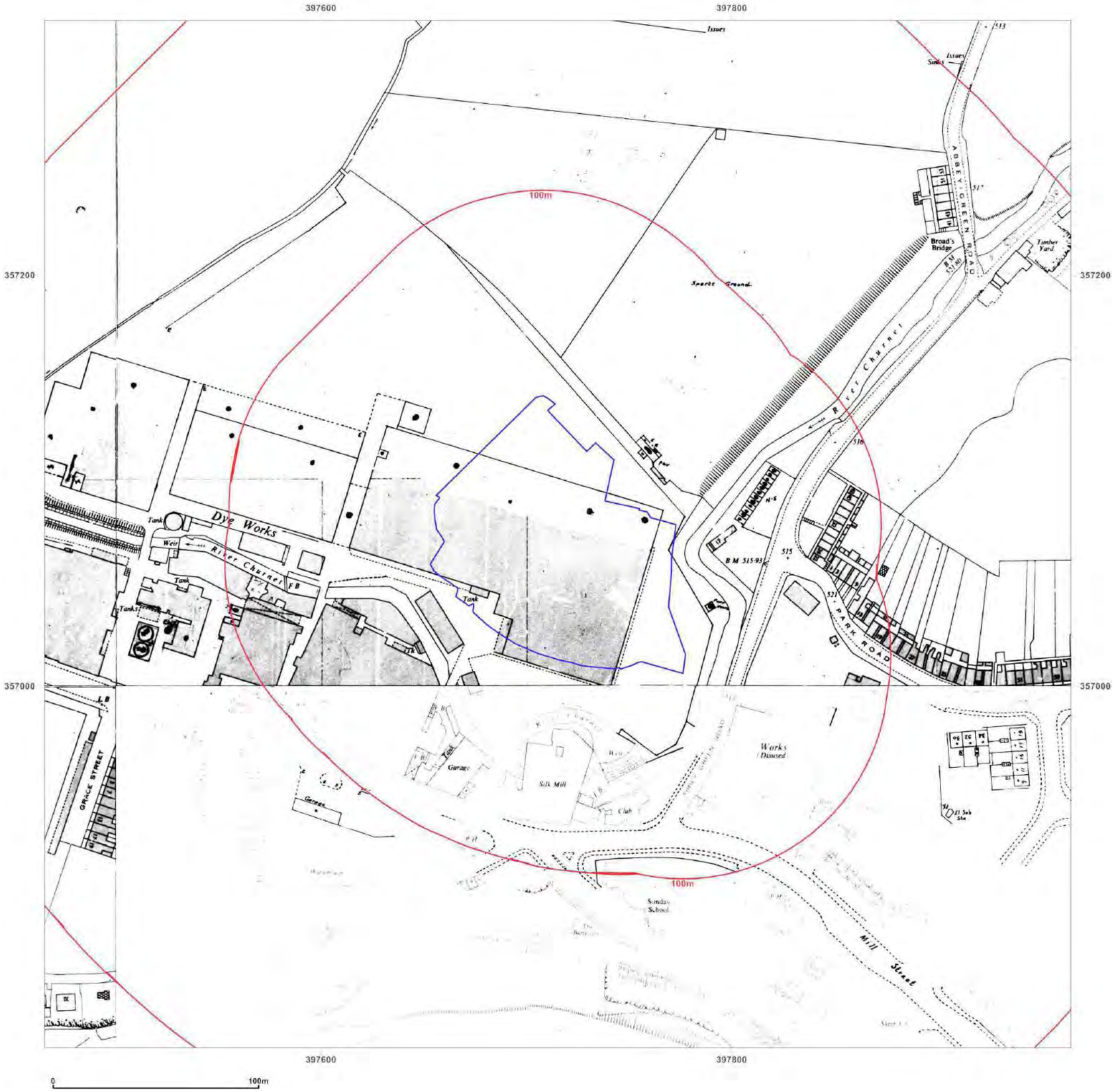
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Groundsure INSIGHTS

Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid
Map date: **1974**
Scale: 1:1,250
Printed at: 1:2,000

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

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Revised N/A
Edition N/A
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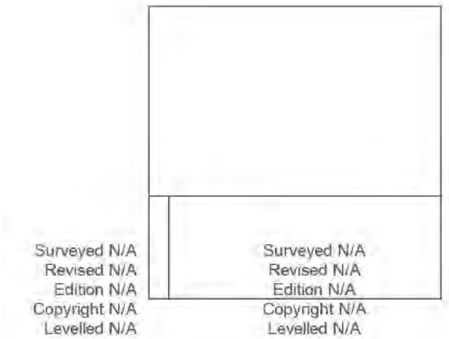
Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid
Map date: **1981**
Scale: 1:1,250
Printed at: 1:2,000

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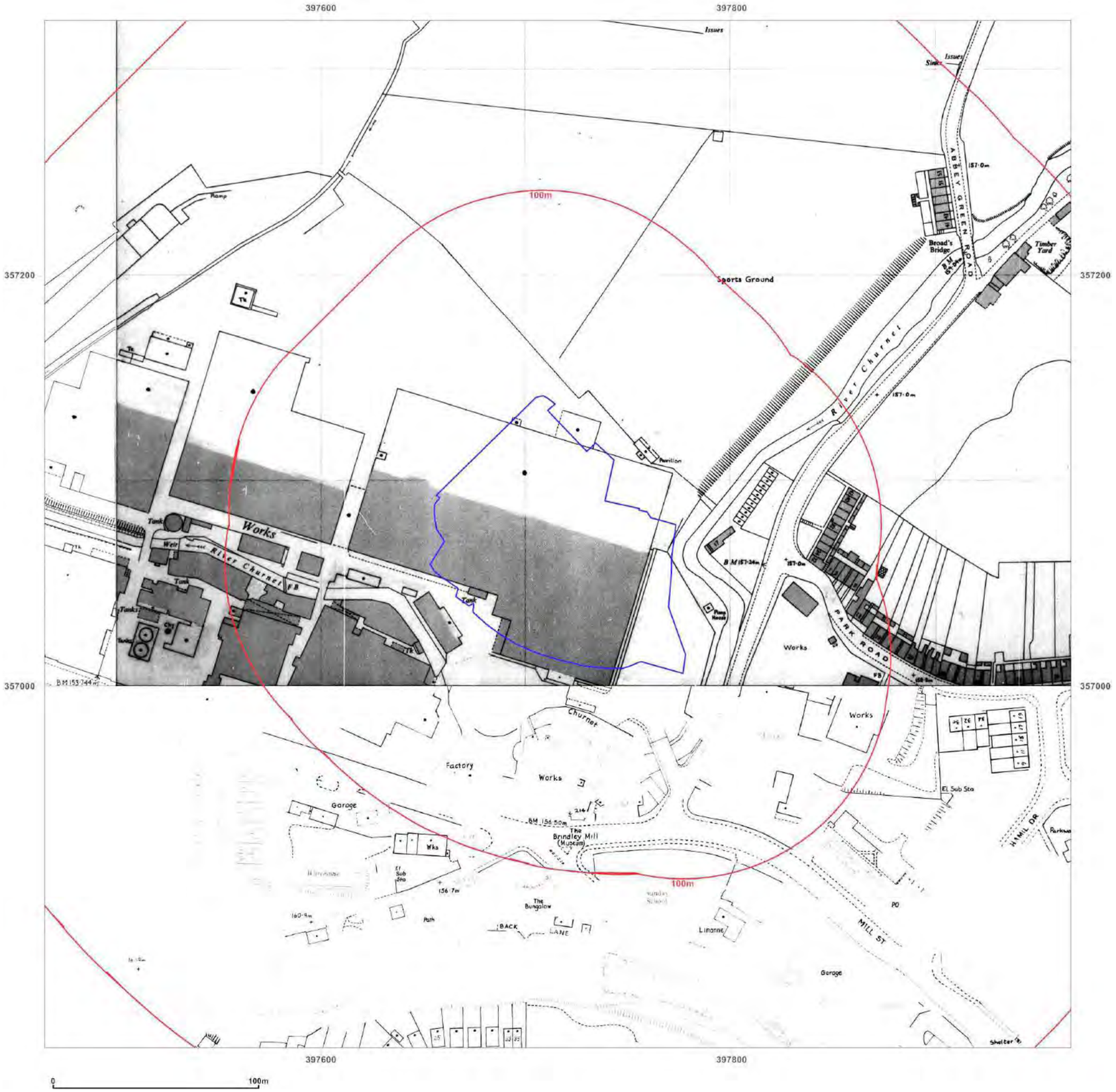
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Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

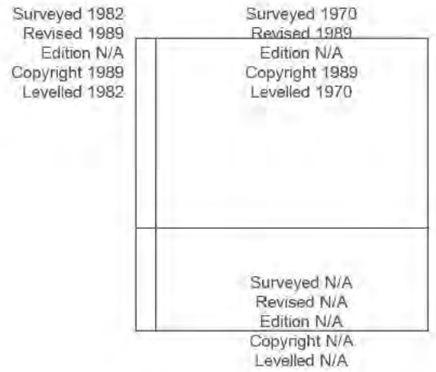
Map Name: National Grid

Map date: **1986-1989**

Scale: 1:1,250

Printed at: 1:2,000

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Site Details:

PROPOSED DEVELOPMENT,
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ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid
Map date: **1989-1993**
Scale: 1:1,250
Printed at: 1:2,000

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Surveyed 1992 Revised 1992 Edition N/A Copyright 1992 Levelled N/A	Surveyed 1964 Revised 1989 Edition N/A Copyright 1989 Levelled N/A

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Site Details:

PROPOSED DEVELOPMENT,
CHURNET VALLEY,
MACCLESFIELD ROAD, LEEK,
ST13 8YG

Client Ref: 1237-12
Report Ref: GS-4607021
Grid Ref: 397715, 357074

Map Name: National Grid
Map date: **1993**
Scale: 1:1,250
Printed at: 1:2,000

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