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# Overview of Findings

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

| Section 1: Historical Industrial Sites                                                                 | On-site | 0-50  | 51-250 | 251-500 |
|--------------------------------------------------------------------------------------------------------|---------|-------|--------|---------|
| 1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping                              | 0       | 0     | 30     | 60      |
| 1.2 Additional Information – Historical Tank Database                                                  | 0       | 1     | 0      | 31      |
| 1.3 Additional Information – Historical Energy Features Database                                       | 0       | 0     | 8      | 0       |
| 1.4 Additional Information – Historical Petrol and Fuel Site Database                                  | 0       | 0     | 0      | 0       |
| 1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database                       | 0       | 0     | 0      | 0       |
| 1.6 Potentially Infilled Land                                                                          | 0       | 0     | 29     | 63      |
| Section 2: Environmental Permits, Incidents and Registers                                              | On-site | 0-50m | 51-250 | 251-500 |
| 2.1 Industrial Sites Holding Environmental Permits and/or Authorisations                               |         |       |        |         |
| 2.1.1 Records of historic IPC Authorisations                                                           | 0       | 0     | 0      | 0       |
| 2.1.2 Records of Part A(1) and IPPC Authorised Activities                                              | 0       | 0     | 0      | 0       |
| 2.1.3 Records of Red List Discharge Consents                                                           | 0       | 0     | 0      | 0       |
| 2.1.4 Records of List 1 Dangerous Substances Inventory sites                                           | 0       | 0     | 0      | 0       |
| 2.1.5 Records of List 2 Dangerous Substances Inventory sites                                           | 0       | 0     | 0      | 0       |
| 2.1.6 Records of Part A(2) and Part B Activities and Enforcements                                      | 0       | 0     | 0      | 0       |
| 2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations                                 | 0       | 0     | 0      | 0       |
| 2.1.8 Records of Licensed Discharge Consents                                                           | 0       | 0     | 0      | 7       |
| 2.1.9 Records of Water Industry Referrals                                                              | 0       | 0     | 0      | 0       |
| 2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site | 0       | 0     | 0      | 0       |
| 2.2 Records of COMAH and NIHHS sites                                                                   | 0       | 0     | 0      | 0       |
| 2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents                            |         |       |        |         |
| 2.3.1 National Incidents Recording System, List 2                                                      | 0       | 0     | 0      | 3       |
| 2.3.2 National Incidents Recording System, List 1                                                      | 0       | 0     | 0      | 1       |
| 2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990                                       | 0       | 0     | 0      | 0       |

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

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

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

| Section 6: Hydrogeology and Hydrology                                                                        | 0-500m  |       |        |         |              |              |
|--------------------------------------------------------------------------------------------------------------|---------|-------|--------|---------|--------------|--------------|
| 6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site? | Yes     |       |        |         |              |              |
| 6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?     | Yes     |       |        |         |              |              |
|                                                                                                              | On-site | 0-50m | 51-250 | 251-500 | 501-1000     | 1000-2000    |
| 6.3 Groundwater Abstraction Licences (within 2000m of the study site)                                        | 0       | 0     | 0      | 0       | 0            | 4            |
| 6.4 Surface Water Abstraction Licences (within 2000m of the study site)                                      | 0       | 0     | 0      | 0       | 0            | 0            |
| 6.5 Potable Water Abstraction Licences (within 2000m of the study site)                                      | 0       | 0     | 0      | 0       | 0            | 0            |
| 6.6 Source Protection Zones (within 500m of the study site)                                                  | 0       | 0     | 0      | 0       | Not searched | Not searched |
| 6.7 Source Protection Zones within Confined Aquifer                                                          | 0       | 0     | 0      | 0       | Not searched | Not searched |
| 6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)                    | 1       | 0     | 0      | 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     | No     | No           | No           | No           |
| 6.10 Detailed River Network entries within 500m of the site                                                              | 0       | 1      | 6      | 19           | 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 Environment Agency Zone 2 floodplains within 250m of the study site?                        | No                   |  |  |  |  |  |
| 7.2 Are there any Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site | No                   |  |  |  |  |  |
| 7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?                  | Very Low             |  |  |  |  |  |
| 7.4 Are there any Flood Defences within 250m of the study site?                                               | No                   |  |  |  |  |  |
| 7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?                         | No                   |  |  |  |  |  |
| 7.6 Are there any areas used for Flood Storage within 250m of the study site?                                 | No                   |  |  |  |  |  |
| 7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?                 | Potential at Surface |  |  |  |  |  |
| 7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?                      | Moderate             |  |  |  |  |  |

| 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        | 0         |
| 8.2 Records of National Nature Reserves (NNR)              | 0 | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.3 Records of Special Areas of Conservation (SAC)         | 0 | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.4 Records of Special Protection Areas (SPA)              | 0 | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.5 Records of Ramsar sites                                | 0 | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.6 Records of Ancient Woodlands                           | 0 | 0       | 0     | 1      | 2       | 5        |           |
| 8.7 Records of Local Nature Reserves (LNR)                 | 0 | 0       | 0     | 0      | 0       | 1        |           |
| 8.8 Records of World Heritage Sites                        | 0 | 0       | 0     | 0      | 0       | 0        |           |
| 8.9 Records of Environmentally Sensitive Areas             | 0 | 0       | 0     | 0      | 0       | 0        |           |

| Section 8: Designated Environmentally Sensitive Sites      | On-site | 0-50m | 51-250 | 251-500 | 501-1000 | 1000-2000 |
|------------------------------------------------------------|---------|-------|--------|---------|----------|-----------|
| 8.10 Records of Areas of Outstanding Natural Beauty (AONB) | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.11 Records of National Parks                             | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.12 Records of Nitrate Sensitive Areas                    | 0       | 0     | 0      | 0       | 0        | 0         |
| 8.13 Records of Nitrate Vulnerable Zones                   | 1       | 0     | 0      | 0       | 1        | 2         |
| 8.14 Records of Green Belt land                            | 1       | 0     | 0      | 1       | 3        | 4         |

## 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?                                                                                                                 | Very 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?                                                                                                          | Very Low                                                                                                |
| 9.1.6 What is the maximum Running Sand hazard rating identified on the study site?                                                                                                               | Very Low                                                                                                |
| 9.2 Radon                                                                                                                                                                                        |                                                                                                         |
| 9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?                                   | The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level. |
| 9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? | No radon protective measures are necessary.                                                             |

## Section 10: Mining

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

# Using this report

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

## 1. Historical Industrial Sites

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

## 2. Environmental Permits, Incidents and Registers

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

## 3. Landfills and Other Waste Sites

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

## 4. Current Land Uses

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

## 5. Geology

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

## 6. Hydrogeology and Hydrology

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

## 7. Flooding

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

## 8. Designated Environmentally Sensitive Sites

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

## 9. Natural Hazards

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

## 10. Mining

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

## 11. Contacts

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

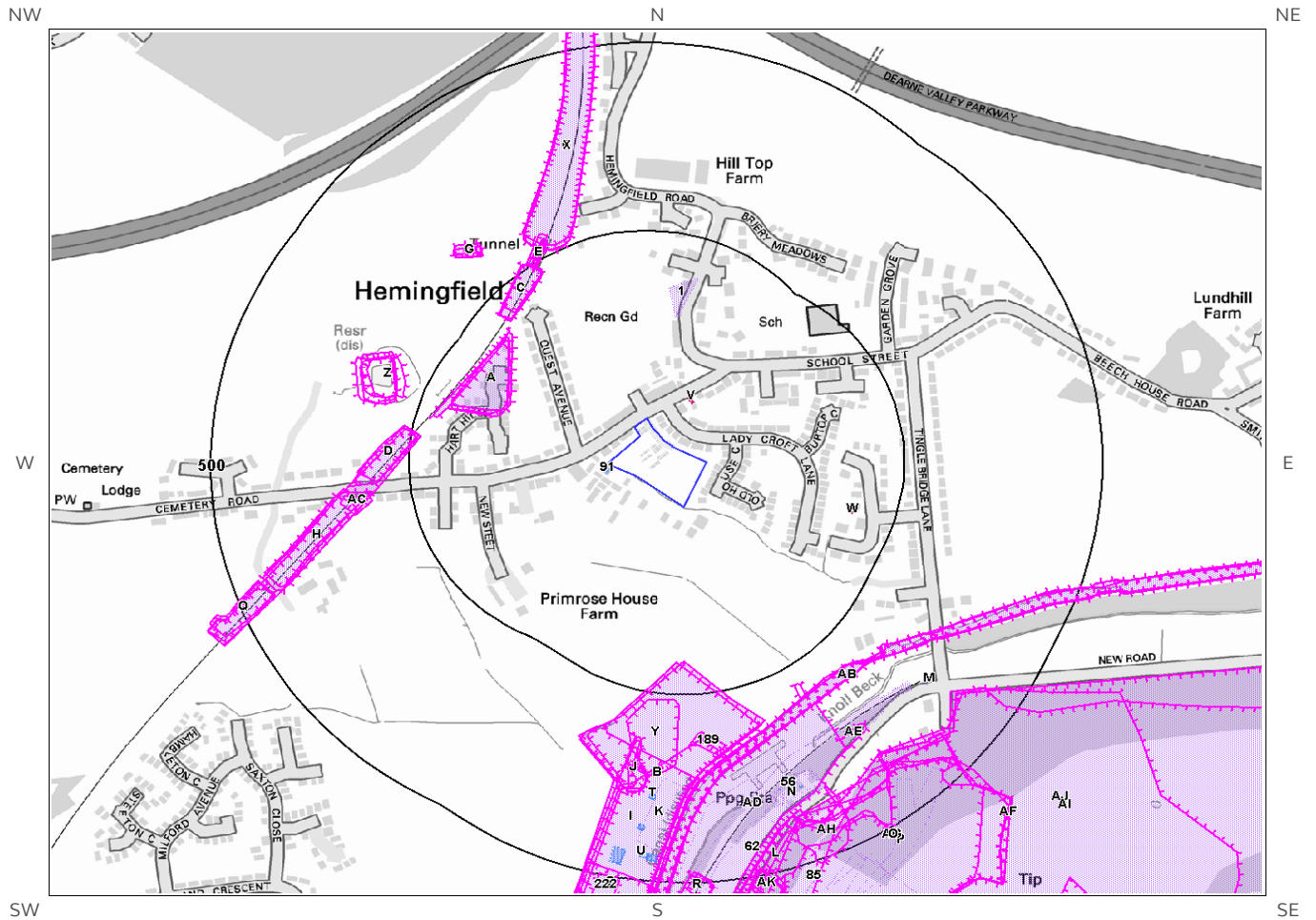
## Note: Maps

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

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

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

# 1. Historical Land Use



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



Site Outline



Industrial Land Use



Potentially Infilled Land

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



Search Buffers (m)



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: 90

| ID  | Distance [m] | Direction | Use              | Date |
|-----|--------------|-----------|------------------|------|
| 1   | 139          | N         | Smithy           | 1901 |
| 2A  | 145          | NW        | Unspecified Heap | 1951 |
| 3A  | 146          | NW        | Unspecified Heap | 1938 |
| 4A  | 146          | NW        | Unspecified Heap | 1938 |
| 5A  | 149          | NW        | Unspecified Heap | 1901 |
| 6A  | 149          | NW        | Unspecified Heap | 1948 |
| 7B  | 206          | S         | Sewage Works     | 1966 |
| 8B  | 206          | S         | Sewage Works     | 1977 |
| 9B  | 207          | S         | Sewage Works     | 1948 |
| 10C | 210          | NW        | Cuttings         | 1938 |
| 11C | 212          | NW        | Cuttings         | 1901 |
| 12C | 212          | NW        | Cuttings         | 1948 |
| 13C | 214          | NW        | Cuttings         | 1951 |
| 14C | 214          | NW        | Cuttings         | 1966 |
| 15C | 214          | NW        | Cuttings         | 1987 |
| 16C | 214          | NW        | Cuttings         | 1977 |
| 17H | 239          | W         | Cuttings         | 1938 |
| 18D | 241          | W         | Cuttings         | 1977 |
| 19D | 241          | W         | Cuttings         | 1966 |
| 20D | 241          | W         | Cuttings         | 1987 |
| 21D | 241          | W         | Cuttings         | 1951 |
| 22E | 242          | NW        | Tunnel           | 1938 |
| 23D | 242          | W         | Cuttings         | 1901 |
| 24D | 242          | W         | Cuttings         | 1948 |
| 25E | 245          | NW        | Tunnel           | 1901 |
| 26E | 245          | NW        | Tunnel           | 1948 |
| 27E | 246          | NW        | Tunnel           | 1966 |
| 28E | 246          | NW        | Tunnel           | 1977 |
| 29E | 246          | NW        | Tunnel           | 1987 |
| 30E | 246          | NW        | Tunnel           | 1951 |
| 31X | 251          | NW        | Cuttings         | 1938 |
| 32F | 253          | NW        | Cuttings         | 1948 |
| 33F | 253          | NW        | Cuttings         | 1901 |
| 34F | 258          | NW        | Cuttings         | 1966 |

|      |     |    |                             |      |
|------|-----|----|-----------------------------|------|
| 35F  | 258 | NW | Cuttings                    | 1951 |
| 36F  | 258 | NW | Cuttings                    | 1977 |
| 37F  | 258 | NW | Cuttings                    | 1987 |
| 38AB | 290 | SE | Disused Canal               | 1951 |
| 39AA | 292 | SE | Disused Canal               | 1948 |
| 40G  | 296 | NW | Unspecified Old Quarry      | 1901 |
| 41G  | 296 | NW | Unspecified Pit             | 1948 |
| 42G  | 299 | NW | Unspecified Pit             | 1938 |
| 43G  | 299 | NW | Unspecified Pit             | 1938 |
| 44H  | 299 | W  | Cuttings                    | 1948 |
| 45H  | 299 | W  | Cuttings                    | 1901 |
| 46AC | 300 | W  | Cuttings                    | 1987 |
| 47G  | 302 | NW | Unspecified Pit             | 1951 |
| 48I  | 307 | S  | Sewage Works                | 1901 |
| 49I  | 310 | S  | Sewage Works                | 1987 |
| 50AD | 310 | SE | Colliery                    | 1901 |
| 51H  | 311 | W  | Cuttings                    | 1951 |
| 52J  | 312 | S  | Unspecified Ground Workings | 1938 |
| 53J  | 312 | S  | Unspecified Ground Workings | 1938 |
| 54J  | 317 | S  | Unspecified Ground Workings | 1948 |
| 55J  | 345 | S  | Unspecified Heap            | 1951 |
| 56   | 348 | SE | Railway Sidings             | 1901 |
| 57K  | 361 | S  | Unspecified Tanks           | 1987 |
| 58K  | 361 | S  | Unspecified Tanks           | 1977 |
| 59K  | 361 | S  | Unspecified Tanks           | 1966 |
| 60AE | 364 | SE | Unspecified Heap            | 1901 |
| 61L  | 370 | S  | Railway Sidings             | 1951 |
| 62   | 370 | S  | Railway Sidings             | 1977 |
| 63L  | 370 | S  | Railway Sidings             | 1966 |
| 64M  | 382 | SE | Railway Building            | 1948 |
| 65M  | 382 | SE | Railway Building            | 1901 |
| 66N  | 383 | SE | Drainage Pumping Station    | 1948 |
| 67N  | 383 | SE | Pumping Station             | 1951 |
| 68N  | 384 | S  | Pumping Station             | 1938 |
| 69N  | 384 | SE | Pumping Station             | 1987 |
| 70AF | 410 | SE | Refuse Heap                 | 1966 |
| 71O  | 411 | SE | Colliery                    | 1938 |
| 72O  | 411 | SE | Colliery                    | 1938 |
| 73AG | 412 | SE | Colliery                    | 1948 |
| 74AH | 413 | SE | Unspecified Old Quarry      | 1901 |
| 75AI | 417 | SE | Refuse Heap                 | 1977 |
| 76AJ | 424 | SE | Unspecified Disused Tip     | 1987 |
| 77P  | 430 | SE | Refuse Heaps                | 1948 |
| 78P  | 433 | S  | Refuse Heap                 | 1938 |

|     |     |    |                 |      |
|-----|-----|----|-----------------|------|
| 79P | 433 | S  | Refuse Heap     | 1938 |
| 80P | 437 | S  | Refuse Heap     | 1951 |
| 81  | 450 | SE | Railway Sidings | 1938 |
| 82Q | 454 | SW | Cuttings        | 1951 |
| 83Q | 455 | SW | Cuttings        | 1948 |
| 84Q | 455 | SW | Cuttings        | 1901 |
| 85  | 478 | S  | Railway Sidings | 1948 |
| 86R | 486 | S  | Cuttings        | 1901 |
| 87R | 487 | S  | Cuttings        | 1951 |
| 88S | 488 | S  | Sewage Works    | 1938 |
| 89S | 488 | S  | Sewage Works    | 1938 |
| 90R | 490 | S  | Cuttings        | 1948 |

## 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:

32

| ID   | Distance (m) | Direction | Use              | Date |
|------|--------------|-----------|------------------|------|
| 91   | 5            | SW        | Tanks            | 1971 |
| 92T  | 383          | S         | Unspecified Tank | 1985 |
| 93T  | 383          | S         | Unspecified Tank | 1985 |
| 94T  | 384          | S         | Unspecified Tank | 1957 |
| 95T  | 384          | S         | Tanks            | 1983 |
| 96T  | 384          | S         | Tanks            | 1983 |
| 97T  | 384          | S         | Unspecified Tank | 1955 |
| 98T  | 385          | S         | Tanks            | 1993 |
| 99N  | 399          | S         | Unspecified Tank | 1930 |
| 100K | 426          | S         | Tanks            | 1983 |
| 101K | 426          | S         | Tanks            | 1983 |
| 102K | 426          | S         | Unspecified Tank | 1955 |
| 103K | 426          | S         | Unspecified Tank | 1957 |
| 104K | 426          | S         | Unspecified Tank | 1985 |
| 105K | 426          | S         | Unspecified Tank | 1985 |
| 106K | 427          | S         | Tanks            | 1993 |
| 107I | 460          | S         | Unspecified Tank | 1957 |
| 108I | 460          | S         | Unspecified Tank | 1985 |
| 109I | 460          | S         | Unspecified Tank | 1985 |
| 110U | 461          | S         | Tanks            | 1985 |
| 111U | 461          | S         | Tanks            | 1985 |
| 112I | 461          | S         | Tanks            | 1983 |
| 113I | 461          | S         | Tanks            | 1983 |

|      |     |   |                  |      |
|------|-----|---|------------------|------|
| 114I | 461 | S | Unspecified Tank | 1955 |
| 115U | 463 | S | Tanks            | 1957 |
| 116U | 463 | S | Tanks            | 1985 |
| 117U | 463 | S | Tanks            | 1985 |
| 118U | 463 | S | Tanks            | 1957 |
| 119U | 464 | S | Tanks            | 1983 |
| 120U | 464 | S | Tanks            | 1983 |
| 121U | 464 | S | Tanks            | 1955 |
| 122U | 466 | S | Tanks            | 1993 |

### 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:

8

| ID   | Distance (m) | Direction | Use                    | Date |
|------|--------------|-----------|------------------------|------|
| 123V | 57           | NE        | Electricity Substation | 1971 |
| 124V | 57           | NE        | Electricity Substation | 1996 |
| 125V | 57           | NE        | Electricity Substation | 1995 |
| 126V | 57           | NE        | Electricity Substation | 1994 |
| 127W | 193          | E         | Electricity Substation | 1996 |
| 128W | 193          | E         | Electricity Substation | 1995 |
| 129W | 193          | E         | Electricity Substation | 1994 |
| 130W | 193          | E         | Electricity Substation | 1971 |

### 1.4 Additional Information – Historical Petrol and Fuel Site Database

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

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

0

Database searched and no data found.

### 1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

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

0

Database searched and no data found.

## 1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 92

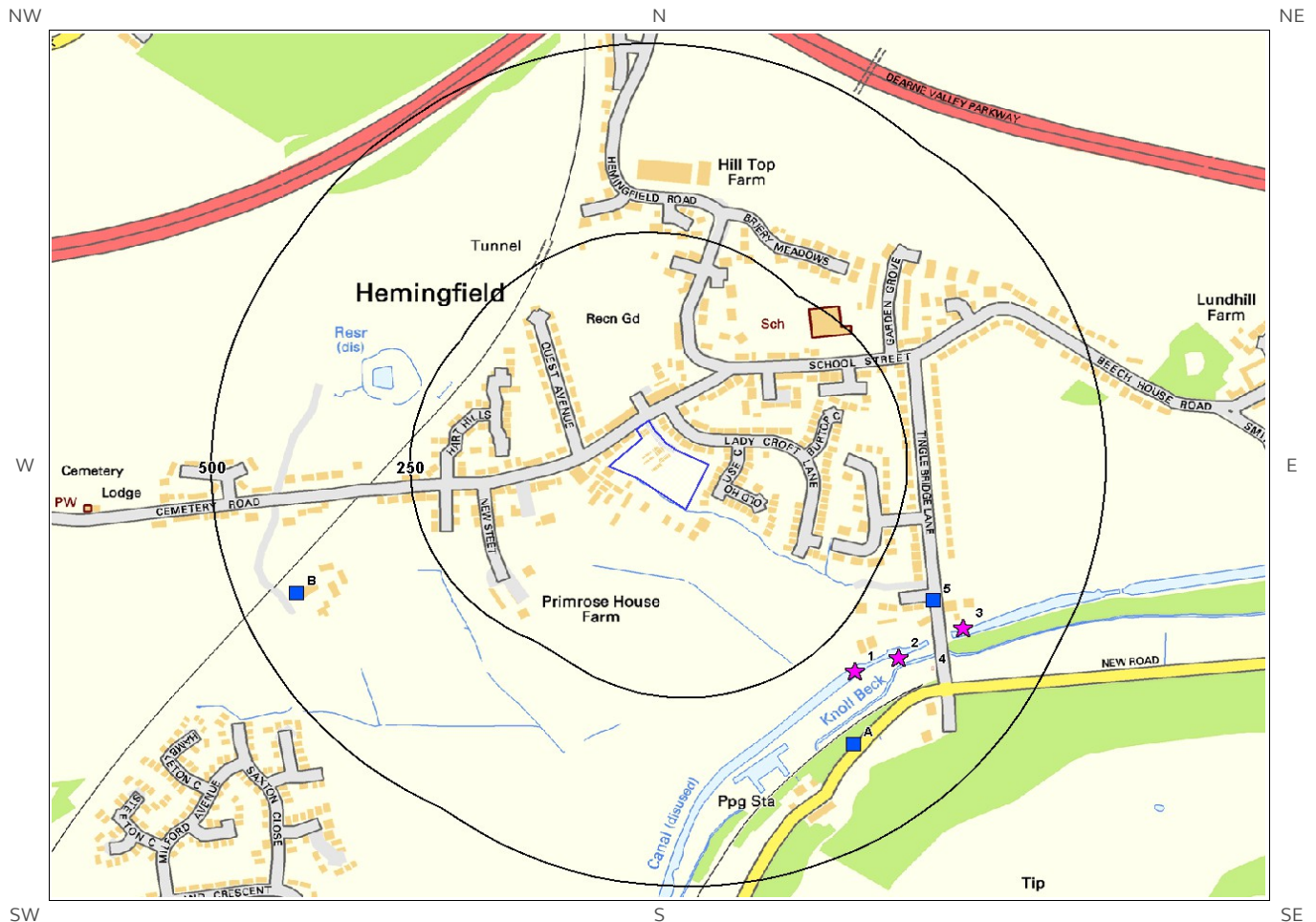
The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

| ID   | Distance(m) | Direction | Use              | Date |
|------|-------------|-----------|------------------|------|
| 131A | 145         | NW        | Unspecified Heap | 1951 |
| 132A | 146         | NW        | Unspecified Heap | 1938 |
| 133A | 146         | NW        | Unspecified Heap | 1938 |
| 134A | 149         | NW        | Unspecified Heap | 1901 |
| 135A | 149         | NW        | Unspecified Heap | 1948 |
| 136K | 206         | S         | Sewage Works     | 1977 |
| 137K | 206         | S         | Sewage Works     | 1966 |
| 138B | 207         | S         | Sewage Works     | 1948 |
| 139C | 210         | NW        | Cuttings         | 1938 |
| 140C | 212         | NW        | Cuttings         | 1948 |
| 141C | 212         | NW        | Cuttings         | 1901 |
| 142C | 214         | NW        | Cuttings         | 1951 |
| 143C | 214         | NW        | Cuttings         | 1987 |
| 144C | 214         | NW        | Cuttings         | 1977 |
| 145C | 214         | NW        | Cuttings         | 1966 |
| 146H | 239         | W         | Cuttings         | 1938 |
| 147D | 241         | W         | Cuttings         | 1977 |
| 148D | 241         | W         | Cuttings         | 1987 |
| 149D | 241         | W         | Cuttings         | 1966 |
| 150D | 241         | W         | Cuttings         | 1951 |
| 151E | 242         | NW        | Tunnel           | 1938 |
| 152D | 242         | W         | Cuttings         | 1948 |
| 153D | 242         | W         | Cuttings         | 1901 |
| 154E | 245         | NW        | Tunnel           | 1948 |
| 155E | 245         | NW        | Tunnel           | 1901 |
| 156E | 246         | NW        | Tunnel           | 1977 |
| 157E | 246         | NW        | Tunnel           | 1987 |
| 158E | 246         | NW        | Tunnel           | 1966 |
| 159E | 246         | NW        | Tunnel           | 1951 |
| 160X | 251         | NW        | Cuttings         | 1938 |
| 161F | 253         | NW        | Cuttings         | 1948 |
| 162F | 253         | NW        | Cuttings         | 1901 |
| 163Y | 257         | S         | Pond             | 1966 |
| 164Y | 257         | S         | Pond             | 1977 |
| 165F | 258         | NW        | Cuttings         | 1977 |
| 166F | 258         | NW        | Cuttings         | 1966 |
| 167F | 258         | NW        | Cuttings         | 1987 |

|       |     |    |                             |      |
|-------|-----|----|-----------------------------|------|
| 168F  | 258 | NW | Cuttings                    | 1951 |
| 169Z  | 273 | W  | Disused Reservoir           | 1977 |
| 170Z  | 273 | W  | Disused Reservoir           | 1987 |
| 171AA | 276 | SE | Canal                       | 1938 |
| 172Z  | 280 | W  | Reservoir                   | 1938 |
| 173Z  | 280 | W  | Reservoir                   | 1901 |
| 174Z  | 280 | W  | Reservoir                   | 1948 |
| 175Z  | 281 | W  | Reservoir                   | 1951 |
| 176AB | 290 | SE | Canal                       | 1977 |
| 177AB | 290 | SE | Canal                       | 1966 |
| 178AB | 290 | SE | Canal                       | 1987 |
| 179AB | 290 | SE | Disused Canal               | 1951 |
| 180AA | 292 | SE | Disused Canal               | 1948 |
| 181AA | 292 | SE | Canal                       | 1901 |
| 182G  | 296 | NW | Unspecified Pit             | 1948 |
| 183G  | 296 | NW | Unspecified Old Quarry      | 1901 |
| 184G  | 299 | NW | Unspecified Pit             | 1938 |
| 185G  | 299 | NW | Unspecified Pit             | 1938 |
| 186H  | 299 | W  | Cuttings                    | 1948 |
| 187H  | 299 | W  | Cuttings                    | 1901 |
| 188AC | 300 | W  | Cuttings                    | 1987 |
| 189   | 301 | S  | Pond                        | 1951 |
| 190G  | 302 | NW | Unspecified Pit             | 1951 |
| 191I  | 307 | S  | Sewage Works                | 1901 |
| 192I  | 310 | S  | Sewage Works                | 1987 |
| 193AD | 310 | SE | Colliery                    | 1901 |
| 194H  | 311 | W  | Cuttings                    | 1951 |
| 195J  | 312 | S  | Unspecified Ground Workings | 1938 |
| 196J  | 312 | S  | Unspecified Ground Workings | 1938 |
| 197J  | 317 | S  | Unspecified Ground Workings | 1948 |
| 198J  | 345 | S  | Unspecified Heap            | 1951 |
| 199AE | 364 | SE | Unspecified Heap            | 1901 |
| 200AF | 410 | SE | Refuse Heap                 | 1966 |
| 201O  | 411 | SE | Colliery                    | 1938 |
| 202O  | 411 | SE | Colliery                    | 1938 |
| 203AG | 412 | SE | Colliery                    | 1948 |
| 204AH | 413 | SE | Unspecified Old Quarry      | 1901 |
| 205AI | 417 | SE | Refuse Heap                 | 1977 |
| 206AJ | 424 | SE | Unspecified Disused Tip     | 1987 |
| 207P  | 430 | SE | Refuse Heaps                | 1948 |
| 208P  | 433 | S  | Refuse Heap                 | 1938 |
| 209P  | 433 | S  | Refuse Heap                 | 1938 |
| 210P  | 437 | S  | Refuse Heap                 | 1951 |
| 211Q  | 454 | SW | Cuttings                    | 1951 |

|       |     |    |              |      |
|-------|-----|----|--------------|------|
| 212Q  | 455 | SW | Cuttings     | 1948 |
| 213Q  | 455 | SW | Cuttings     | 1901 |
| 214R  | 486 | S  | Cuttings     | 1901 |
| 215R  | 487 | S  | Cuttings     | 1951 |
| 216S  | 488 | S  | Sewage Works | 1938 |
| 217S  | 488 | S  | Sewage Works | 1938 |
| 218R  | 490 | S  | Cuttings     | 1948 |
| 219AK | 492 | S  | Reservoir    | 1901 |
| 220AK | 492 | S  | Reservoir    | 1948 |
| 221AK | 493 | S  | Reservoir    | 1938 |
| 222   | 499 | S  | Ponds        | 1938 |

## 2. Environmental Permits, Incidents and Registers Map



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- |                               |                                               |                                                                |
|-------------------------------|-----------------------------------------------|----------------------------------------------------------------|
| Site Outline                  | Recorded Pollution Incident                   | RAS 3 & 4 Authorisations                                       |
| Dangerous Substances (List 1) | Dangerous Substances (List 2)                 | Part A(1) Authorised Processes and Historic IPC Authorisations |
| Water Industry Referrals      | Licenced Discharge Consents                   | Part A(2) and Part B Authorised Processes                      |
| Red List Discharge Consents   | Sites Determined as Contaminated Land         | COMAH / NIHHS Sites                                            |
|                               | 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:

0

Database searched and no data found.

---

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

0

Database searched and no data found.

---

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

0

Database searched and no data found.

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

0

Database searched and no data found.

---

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

0

Database searched and no data found.

---

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

0

Database searched and no data found.

## 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:

7

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

| ID | Distance (m) | Direction | NGR              | Details                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|--------------|-----------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5  | 332          | SE        | 439500<br>401190 | <p>Address: TINGLEBRIDGE LANE SPS, HEMINGFIELD, BARNSELY, SOUTH YORKSHIRE</p> <p>Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY</p> <p>Permit Number: WADC427</p> <p>Permit Version: 1</p> <p>Receiving Water: KNOLL BECK</p> <p>Status: TRANSFERRED FROM WATER ACT 1989</p> <p>Issue date: 02/11/1989</p> <p>Effective Date: 02-Nov-1989</p> <p>Revocation Date: 17/02/2003</p>          |
| 6A | 376          | SE        | 439400<br>401000 | <p>Address: ELSECAR WPC WORKS STORM TANKS</p> <p>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY</p> <p>Permit Number: E168</p> <p>Permit Version: 1</p> <p>Receiving Water: KNOLL BECK</p> <p>Status: POST NRA LEGISLATION WHERE ISSUE DATE &gt; 31-AUG-89 (HISTORIC ONLY)</p> <p>Issue date: 01/06/1981</p> <p>Effective Date: 01-Jun-1981</p> <p>Revocation Date: 31/12/1981</p> |
| 7A | 376          | SE        | 439400<br>401000 | <p>Address: ELSECAR WPC WORKS STORM TANKS</p> <p>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY</p> <p>Permit Number: E168</p> <p>Permit Version: 4</p> <p>Receiving Water: KNOLL BECK</p> <p>Status: REVOKED - UNSPECIFIED</p> <p>Issue date: 03/11/1992</p> <p>Effective Date: 03-Nov-1992</p> <p>Revocation Date: 04/11/1992</p>                                                |
| 8A | 376          | SE        | 439400<br>401000 | <p>Address: ELSECAR WPC WORKS STORM TANKS</p> <p>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY</p> <p>Permit Number: E168</p> <p>Permit Version: 3</p> <p>Receiving Water: KNOLL BECK</p> <p>Status: POST NRA LEGISLATION WHERE ISSUE DATE &gt; 31-AUG-89 (HISTORIC ONLY)</p> <p>Issue date: 01/09/1989</p> <p>Effective Date: 01-Sep-1989</p> <p>Revocation Date: 02/11/1992</p> |
| 9A | 376          | SE        | 439400<br>401000 | <p>Address: ELSECAR WPC WORKS STORM TANKS</p> <p>Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY</p> <p>Permit Number: E168</p> <p>Permit Version: 2</p> <p>Receiving Water: -</p> <p>Status: POST NRA LEGISLATION WHERE ISSUE DATE &gt; 31-AUG-89 (HISTORIC ONLY)</p> <p>Issue date: 01/01/1982</p> <p>Effective Date: 01-Jan-1982</p> <p>Revocation Date: 31/08/1989</p>   |

| ID  | Distance (m) | Direction | NGR              | Details                                                                                                                                                                                   |                                                                                                                                                                          |
|-----|--------------|-----------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10B | 428          | SW        | 438700<br>401200 | Address: LOW FARM, OFF CEMETERY ROAD, HEMINGFIELD, BARNSLEY<br>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: C5207<br>Permit Version: 2 | Receiving Water: LAND ADJACENT TO LOW FARM<br>Status: TRANSFERRED FROM COPA 1974<br>Issue date: 26/07/2012<br>Effective Date: 26-Jul-2012<br>Revocation Date: -          |
| 11B | 428          | SW        | 438700<br>401200 | Address: LOW FARM, OFF CEMETERY ROAD, HEMINGFIELD, BARNSLEY<br>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: C5207<br>Permit Version: 1 | Receiving Water: LAND ADJACENT TO LOW FARM<br>Status: TRANSFERRED FROM COPA 1974<br>Issue date: 08/08/1988<br>Effective Date: 08-Aug-1988<br>Revocation Date: 25/07/2012 |

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

0

Database searched and no data found.

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

0

Database searched and no data found.

## 2.2 Dangerous or Hazardous Sites

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

0

Database searched and no data found.

## 2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

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

3

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  | 301          | SE        | 439401<br>401097 | Incident Date: 23-Aug-2009<br>Incident Identification: 710089<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified<br>Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor)     |
| 2  | 331          | SE        | 439456<br>401115 | Incident Date: 15-Aug-2009<br>Incident Identification: 707655<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified<br>Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| 3  | 381          | SE        | 439537<br>401154 | Incident Date: 29-Jun-2003<br>Incident Identification: 169657<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified<br>Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |

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

1

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

| ID | Distance (m) | Direction | NGR | Details                                                                                                                                                                                                                                                                                                                                                                                                              |
|----|--------------|-----------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4  | 376          | SE        |     | Incident Date: 15-Aug-2000<br>Incident Identification: 12605.0<br>Catchments Name: DON AND TRIBS<br>Water Description: RIVER STRETCH (FRESHWATER)<br>Water Course: KNOLL BECK<br>Incident Substantiated: Yes<br>Priority Description: Immediate (2 Hours)<br>Waste Description: Not Available<br>Water Impact: Significant Impact<br>Land Impact: No Impact<br>Air Impact: No Impact<br>Action Taken: Warning Letter |

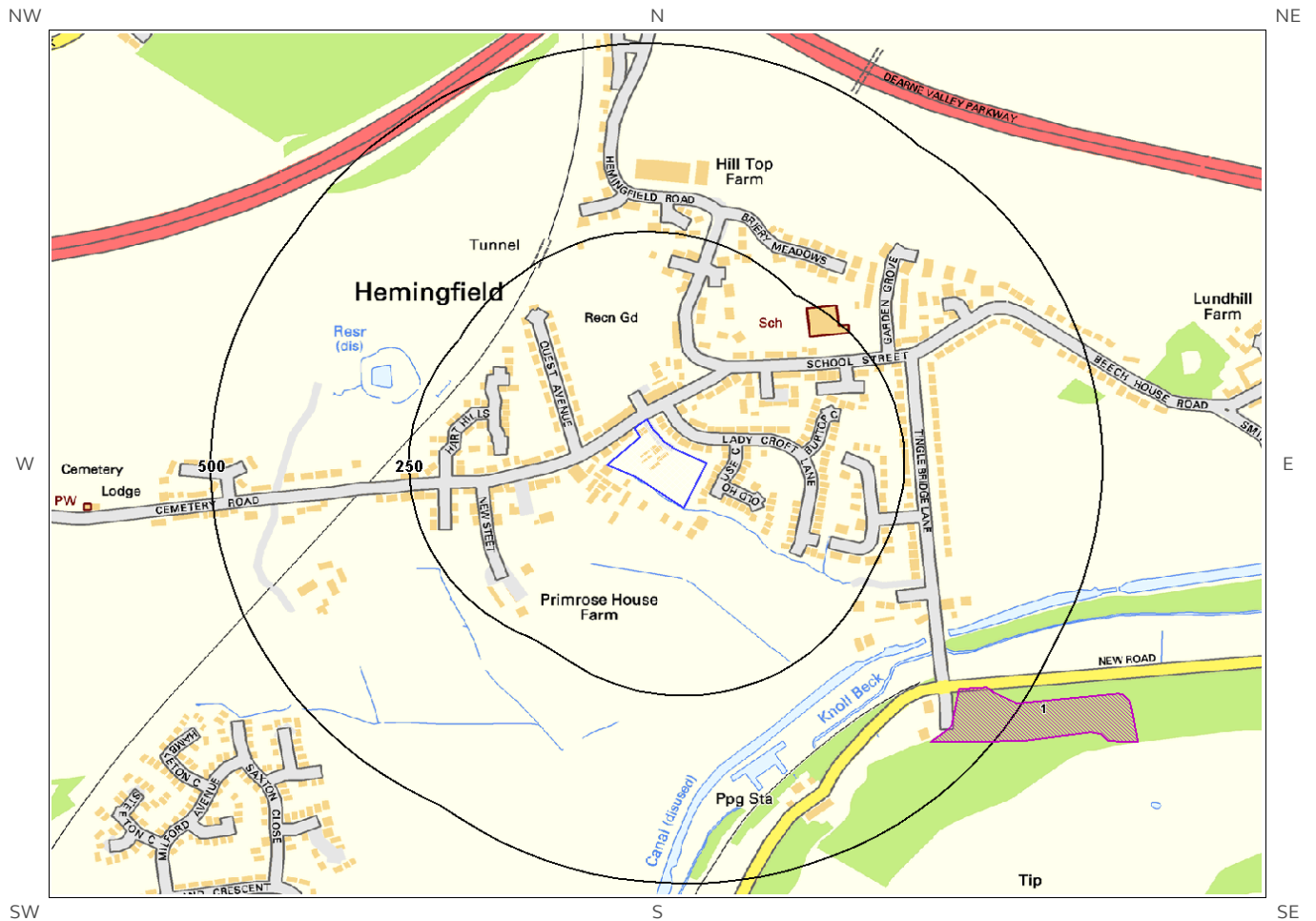
## 2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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

0

Database searched and no data found.

# 3. Landfill and Other Waste Sites Map



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# 3. Landfill and Other Waste Sites

## 3.1 Landfill Sites

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

0

Database searched and no data found.

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

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------|--------------|-----------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not shown | 759          | N         | 439100<br>402200 | <p>Site Address: Wombwell Foundry, Hough Lane, Wombwell, Barnsley, South Yorkshire</p> <p>Waste Licence: Yes</p> <p>Site Reference: WD20 B142, NE4243</p> <p>Waste Type: Industrial</p> <p>Environmental Permitting Regulations (Waste) Reference: YQ1/L/WOM001</p> <p>Licence Issue: 09-Dec-1977</p> <p>Licence Surrendered: 07-Jun-2005</p> <p>Licence Holder Address: Wombwell Foundry Ltd, Hough Lane, Wombwell, Barnsley, South Yorkshire</p> <p>Operator: Wombwell Foundry</p> <p>Licence Holder: Wombwell Foundry Limited</p> <p>First Recorded: 31-Dec-1977</p> <p>Last Recorded: -</p>                                                                                           |
| Not shown | 817          | SW        | 438300<br>400900 | <p>Site Address: Wentworth Road, Jump, Barnsley</p> <p>Waste Licence: -</p> <p>Site Reference: 4400/(124)</p> <p>Waste Type: -</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue: -</p> <p>Licence Surrendered: -</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: -</p> <p>First Recorded: -</p> <p>Last Recorded: -</p>                                                                                                                                                                                                                                                                                                   |
| Not shown | 910          | E         | 440700<br>401200 | <p>Site Address: V H E Construction Plc - Former Cortonwood Colliery, Cortonwood Reclamation Scheme, Knollbeck Lane, Brampton, Barnsley, South Yorkshire</p> <p>Waste Licence: Yes</p> <p>Site Reference: WD20/R8544, 4400/R854, NE2165</p> <p>Waste Type: Inert, Industrial</p> <p>Environmental Permitting Regulations (Waste) Reference: YQ1/L/VHE002</p> <p>Licence Issue: 21-Dec-1992</p> <p>Licence Surrendered: 19-Feb-2004</p> <p>Licence Holder Address: Phoenix House, Hawthorn Park, Coal Road, Leeds, West Yorkshire</p> <p>Operator: V H E (Construction) Plc</p> <p>Licence Holder: V H E (Construction) Plc</p> <p>First Recorded: 21-Dec-1992</p> <p>Last Recorded: -</p> |

| ID        | Distance (m) | Direction | NGR              | Details                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                           |
|-----------|--------------|-----------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not shown | 916          | NE        | 440000<br>401800 | Site Address: Lundhill Road, Wombwell, Barnsley<br>Waste Licence: Yes<br>Site Reference: WD20 B95<br>Waste Type: Inert, Industrial, Commercial, Household, Liquid, sludge<br>Environmental Permitting Regulations (Waste) Reference: - | Licence Issue: 17-Nov-1977<br>Licence Surrendered: 02-Aug-1988<br>Licence Holder Address: 94 Snape Hill, Darfield, Barnsley<br>Operator: Mr P D Randle and Mr M Moore<br>Licence Holder: C Ravenhill and Son<br>First Recorded: 30-Nov-1977<br>Last Recorded: 02-Aug-1988 |
| Not shown | 1306         | E         | 440400<br>401800 | Site Address: Lundhill Tavern, Beach House Road, Wombwell<br>Waste Licence: -<br>Site Reference: 4400/(152)B<br>Waste Type: -<br>Environmental Permitting Regulations (Waste) Reference: -                                             | Licence Issue:<br>Licence Surrendered:<br>Licence Holder Address: -<br>Operator: -<br>Licence Holder: -<br>First Recorded: -<br>Last Recorded: -                                                                                                                          |
| Not shown | 1467         | W         | 437500<br>401000 | Site Address: Greenside Lane, Hoyland, Barnsley<br>Waste Licence: Yes<br>Site Reference: 4400/(150), 55/19/93/3<br>Waste Type: Commercial, Household<br>Environmental Permitting Regulations (Waste) Reference: -                      | Licence Issue: 11-Jun-1980<br>Licence Surrendered: 24-Nov-1992<br>Licence Holder Address: North Ferriby, North Humberside<br>Operator: Hoyland Nether Urban District Council<br>Licence Holder: Capper Pass Limited<br>First Recorded: 31-Dec-1971<br>Last Recorded: -    |
| Not shown | 1479         | NW        | 438100<br>402600 | Site Address: Former Quarry, Off Dovecliffe Road, Wombwell<br>Waste Licence: Yes<br>Site Reference: WD20 S226, 4400/(133)<br>Waste Type: Household<br>Environmental Permitting Regulations (Waste) Reference: -                        | Licence Issue: 27-Apr-1978<br>Licence Surrendered: 22-Mar-1995<br>Licence Holder Address: Greenland Road Division, Greenland Road, Sheffield<br>Operator: -<br>Licence Holder: Edgar Allen Balfour Steels Limited<br>First Recorded: -<br>Last Recorded: -                |

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

0

Database searched and no data found.

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

1

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 | 1391         | W         | 437709<br>401086 | Refuse Tip   | 1970 mapping | Polygon   |

## 3.2 Other Waste Sites

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

1

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                                                                  |                                                      |                                                                             |
|----|--------------|-----------|------------------|--------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------|
| 1  | 423          | SE        | 439631<br>401035 | Type of Site:<br>Ground Workings<br>and Refuse Heap<br>Site Address: N/A | Planning Application Reference:<br>N/A<br>Date: 1961 | Further Details: N/A<br>Data Source: Historic Mapping<br>Data Type: Polygon |

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

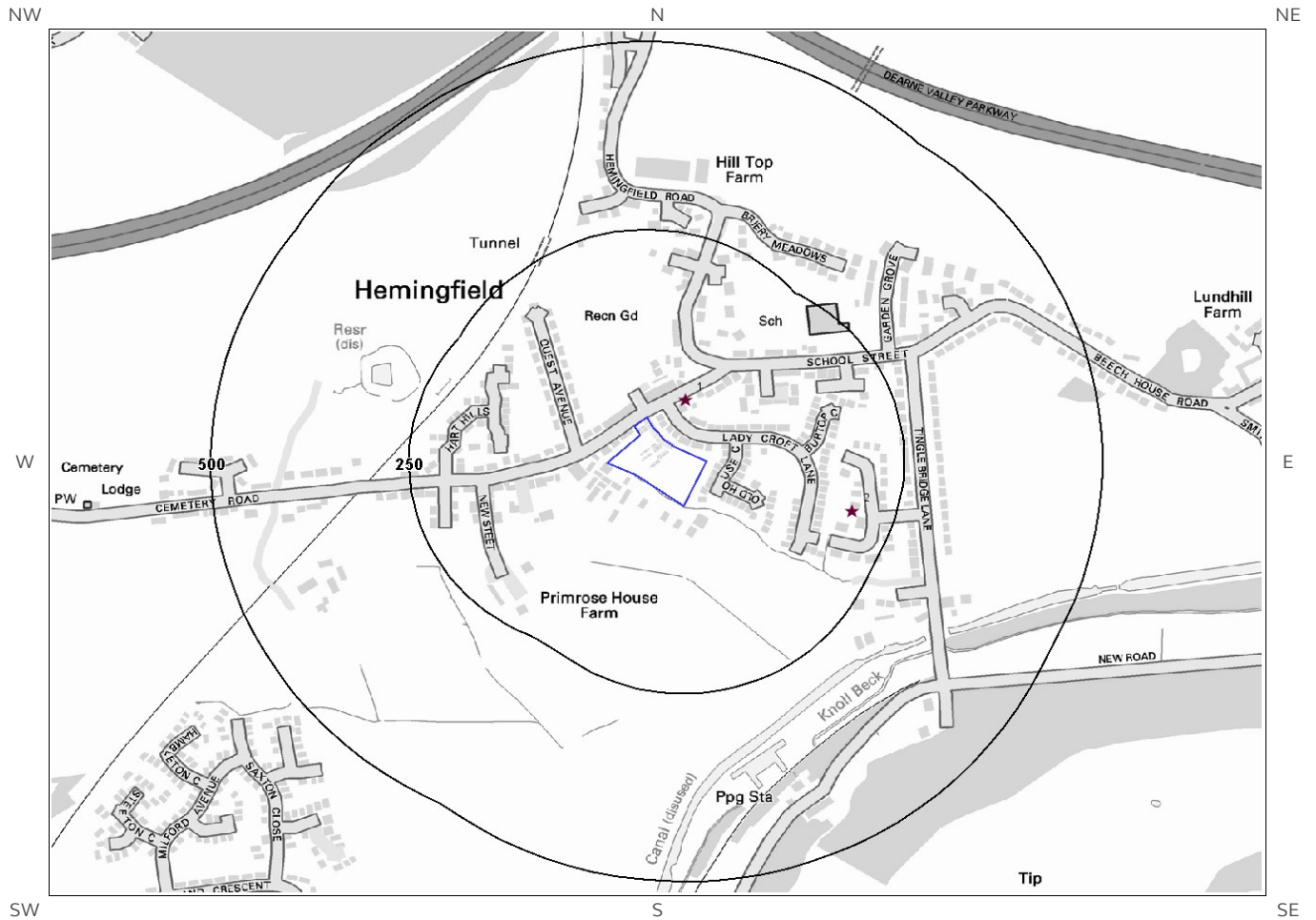
5

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 | 873          | N         | 439100<br>402300 | Site Address: Hough Lane, Wombwell, Barnsley, South Yorkshire, S73 0LT<br>Type: Industrial Waste Landfill (Factory curtilage)<br>Size: < 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: WOM001<br>EPR reference: EA/EPR/AP3690ZL/S002<br>Operator: Wombwell Foundry Ltd<br>Waste Management licence No: 60558<br>Annual Tonnage: 36000.0          | Issue Date: 09/12/1977<br>Effective Date: -<br>Modified: -<br>Surrendered Date: 07/06/2005<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Surrendered<br>Site Name: Wombwell Foundry<br>Correspondence Address: -                                    |  |
| Not shown | 1484         | E         | 440700<br>401300 | Site Address: Cortonwood Reclamation Scheme, Knollbeck Lane, Brampton, Barnsley, South Yorkshire<br>Type: Co-Disposal Landfill Site<br>Size: < 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: VHE002<br>EPR reference: EA/EPR/QP3395ZQ/S002<br>Operator: V H E Construction Plc<br>Waste Management licence No: 61603<br>Annual Tonnage: 500000.0 | Issue Date: 21/12/1992<br>Effective Date: -<br>Modified: -<br>Surrendered Date: 19/02/2004<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Surrendered<br>Site Name: V H E Construction Plc - Former Cortonwood Colliery<br>Correspondence Address: - |  |

| ID        | Distance (m) | Direction | NGR              | Details                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                  |
|-----------|--------------|-----------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not shown | 1484         | E         | 440700<br>401300 | Site Address: Cortonwood Reclamation Scheme, Knollbeck Lane, Brampton, Barnsley, S Yorks<br>Type: Co-Disposal Landfill Site<br>Size: < 25000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: VHE002<br>EPR reference: -<br>Operator: V H E Construction Plc<br>Waste Management licence No: 61603<br>Annual Tonnage: 0.0  | Issue Date: 21/12/1992<br>Effective Date: -<br>Modified: -<br>Surrendered Date: 19/02/2004<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Surrendered<br>Site Name: V H E Construction Plc - Former Cortonwood Colliery<br>Correspondence Address: Phoenix House, Hawthorn Park, Coal Road, Leeds, West Yorkshire, LS14 1PQ   |
| Not shown | 1484         | E         | 440700<br>401300 | Site Address: Cortonwood Reclamation Scheme, Knollbeck Lane, Brampton, Barnsley, S Yorks<br>Type: Co-Disposal Landfill Site<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: VHE002<br>EPR reference: -<br>Operator: V H E Construction Plc<br>Waste Management licence No: 61603<br>Annual Tonnage: 0.0 | Issue Date: 21/12/1992<br>Effective Date: -<br>Modified: -<br>Surrendered Date: 19/02/2004<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Surrendered<br>Site Name: V H E Construction Plc - Former Cortonwood Colliery<br>Correspondence Address: Phoenix House, "Hawthorn Park, Coal Road", Leeds, West Yorkshire, LS14 1PQ |
| Not shown | 1484         | E         | 440700<br>401300 | Site Address: Cortonwood Reclamation Scheme, Knollbeck Lane, Brampton, Barnsley, S Yorks<br>Type: Co-Disposal Landfill Site<br>Size: >= 75000 tonnes<br>Environmental Permitting Regulations (Waste) Licence Number: VHE002<br>EPR reference: -<br>Operator: V H E Construction Plc<br>Waste Management licence No: 61603<br>Annual Tonnage: 0.0 | Issue Date: 21/12/1992<br>Effective Date: -<br>Modified: -<br>Surrendered Date: -<br>Expiry Date: -<br>Cancelled Date: -<br>Status: Issued<br>Site Name: V H E Construction Plc - Former Cortonwood Colliery<br>Correspondence Address: Phoenix House, Hawthorn Park, Coal Road, Leeds, West Yorkshire, LS14 1PQ                 |

# 4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 — Search Buffers (m)  
— 500 —

● Petrol & Fuel Sites

— Gas Transmission Pipelines

## 4. Current Land Uses

### 4.1 Current Industrial Data

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

2

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

| ID | Distance (m) | Direction | Company                 | NGR           | Address                      | Activity            | Category                      |
|----|--------------|-----------|-------------------------|---------------|------------------------------|---------------------|-------------------------------|
| 1  | 55           | NE        | Electricity Sub Station | 439192 401453 | Electricity Sub Station, S73 | Electrical Features | Infrastructure and Facilities |
| 2  | 196          | E         | Electricity Sub Station | 439402 401305 | Electricity Sub Station, S73 | Electrical Features | Infrastructure and Facilities |

### 4.2 Petrol and Fuel Sites

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

0

Database searched and no data found.

### 4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

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

0

Database searched and no data found.

#### 4.4 National Grid High Pressure Gas Transmission Pipelines

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

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

Database searched and no data found.

---

# 5. Geology

## 5.1 Artificial Ground and Made Ground

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

| Lex Code   | Description     | Rock Type          |
|------------|-----------------|--------------------|
| WMGR-ARTDP | INFILLED GROUND | ARTIFICIAL DEPOSIT |

## 5.2 Superficial Ground and Drift Geology

Database searched and no data found.

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

## 5.3 Bedrock and Solid Geology

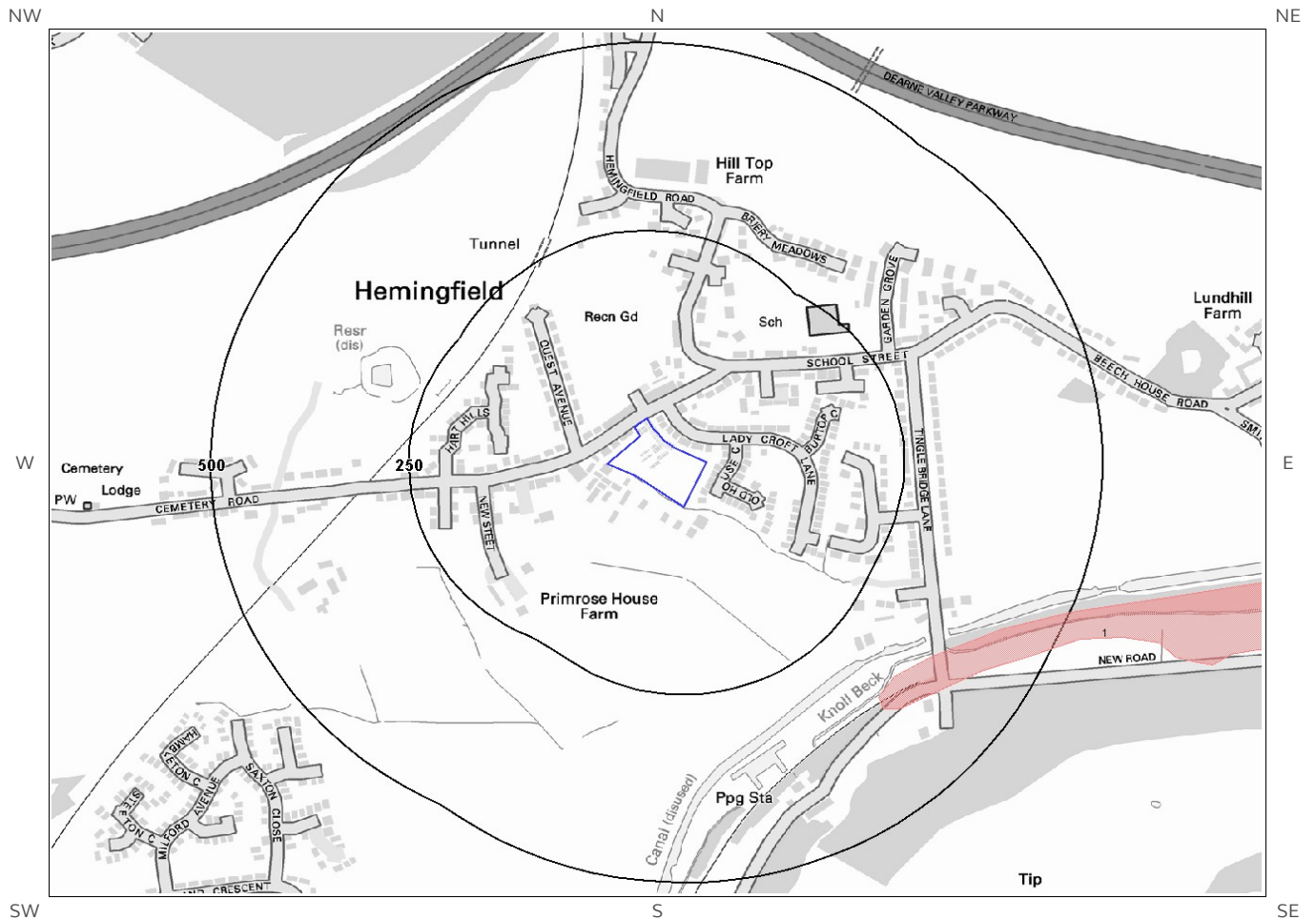
The database has been searched on site, including a 50m buffer.

| Lex Code  | Description                            | Rock Type                         |
|-----------|----------------------------------------|-----------------------------------|
| PMCM-MDSS | PENNINE MIDDLE COAL MEASURES FORMATION | MUDSTONE, SILTSTONE AND SANDSTONE |
| ABR-SDST  | ABDY ROCK                              | SANDSTONE                         |

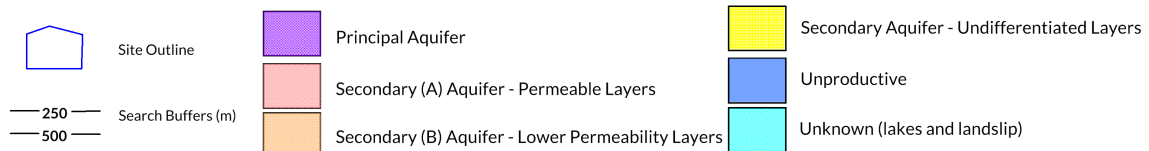
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

# 6 Hydrogeology and Hydrology

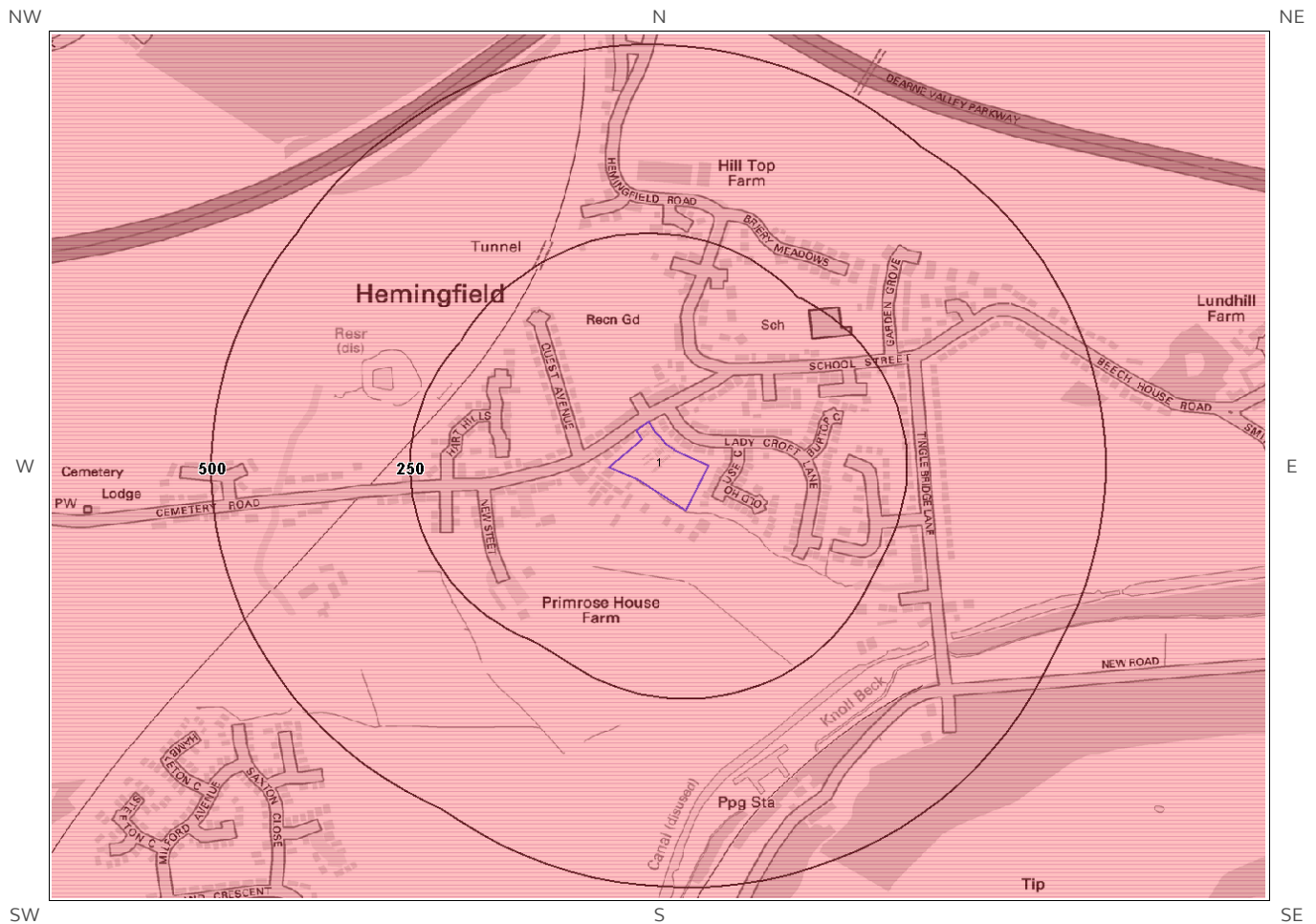
## 6a. Aquifer Within Superficial Geology



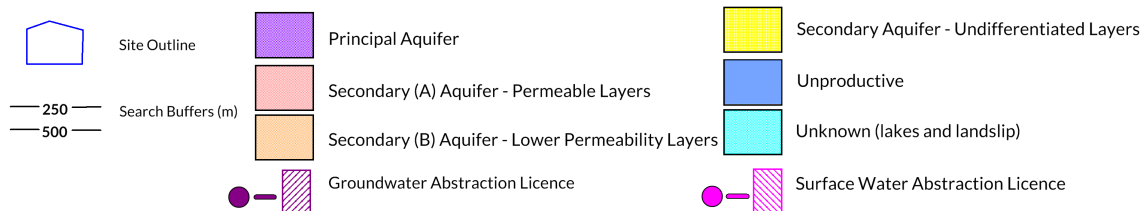
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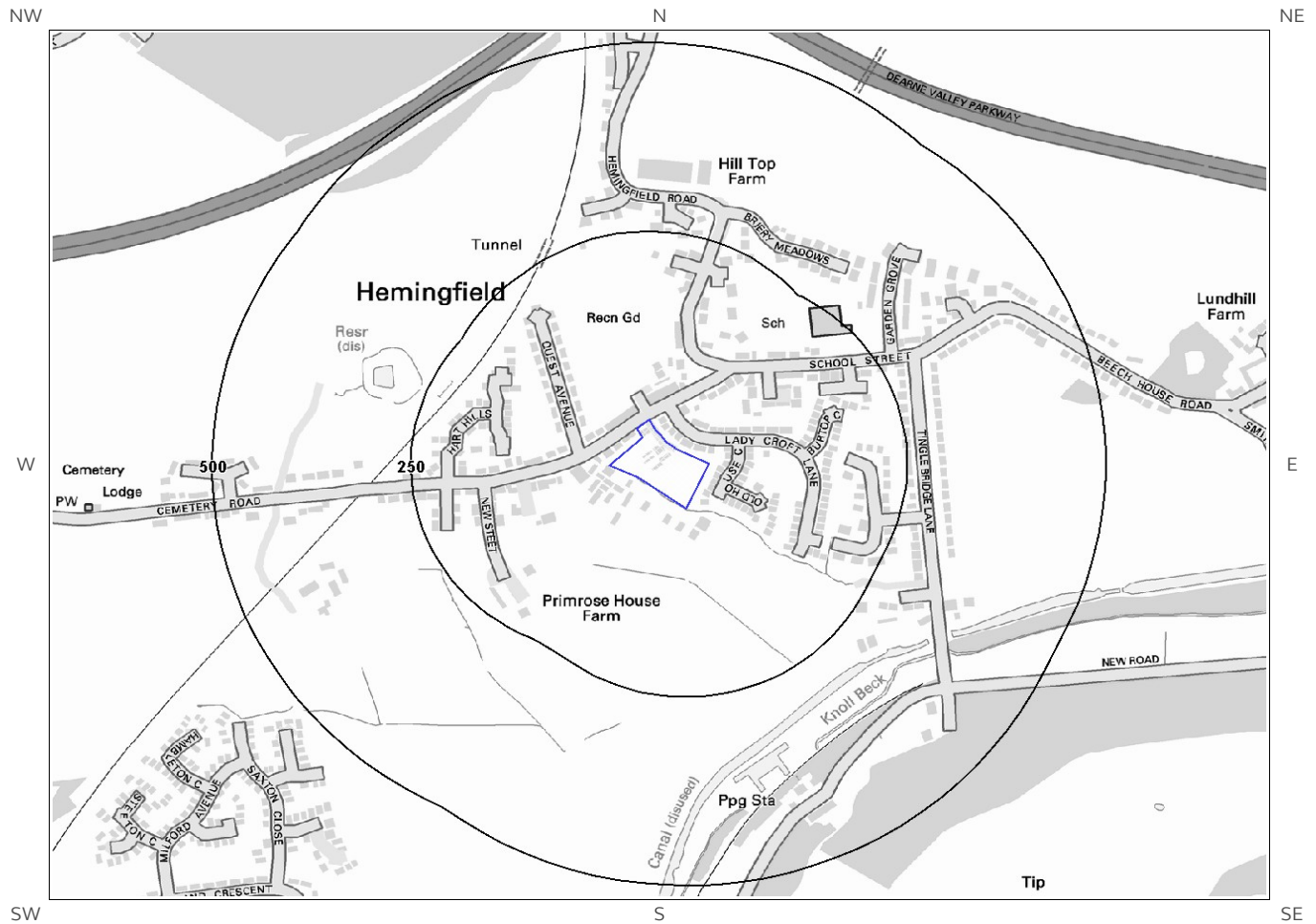
# 6b. Aquifer Within Bedrock Geology and Abstraction Licenses



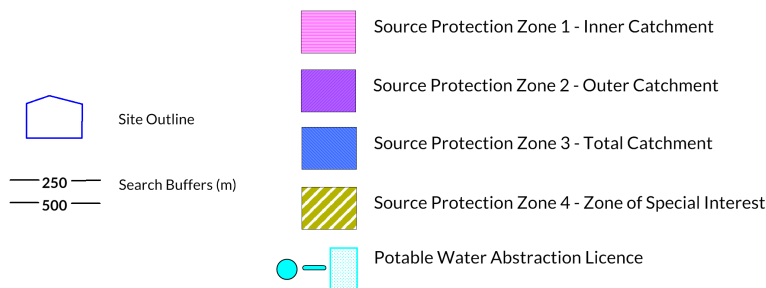
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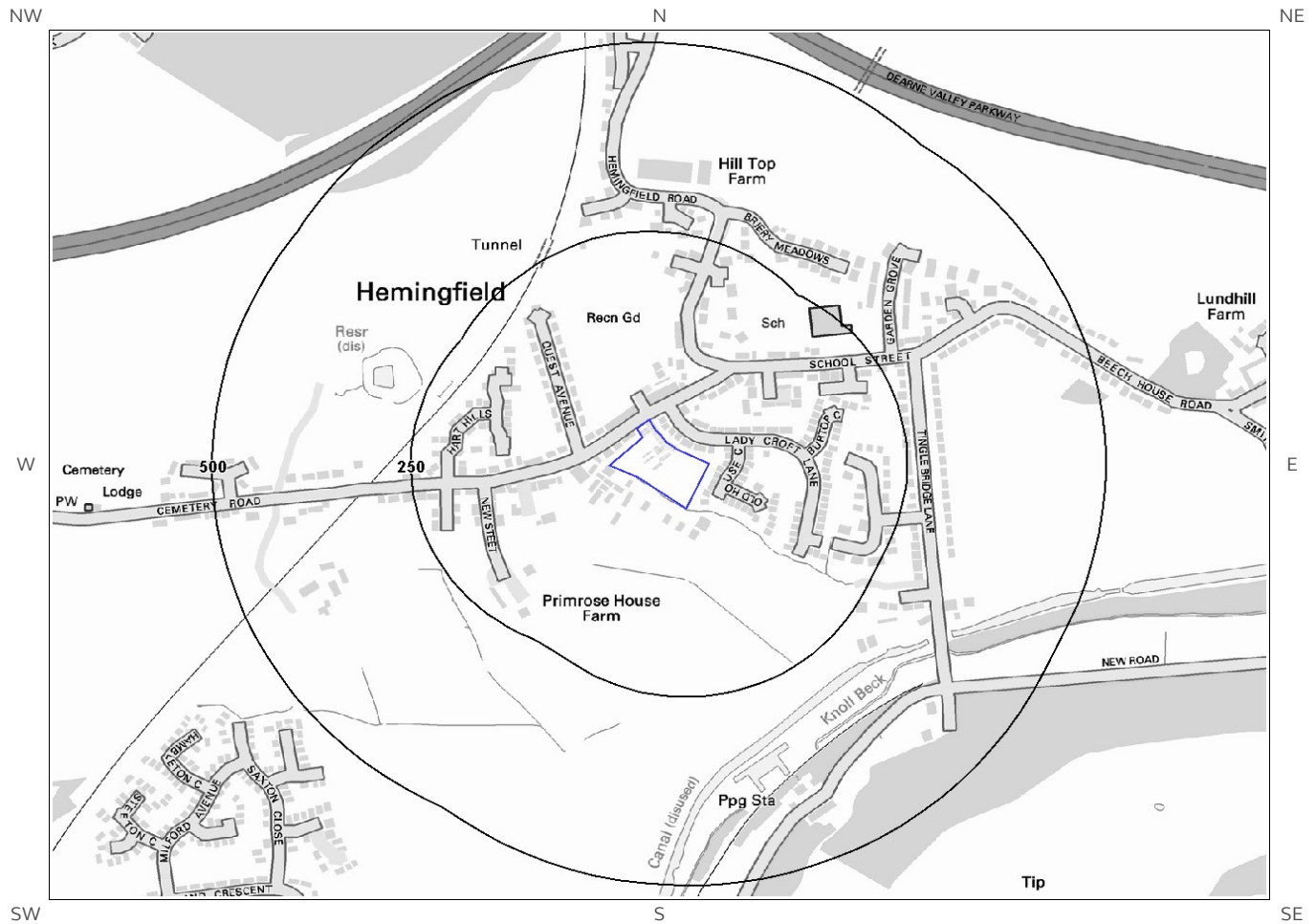
# 6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



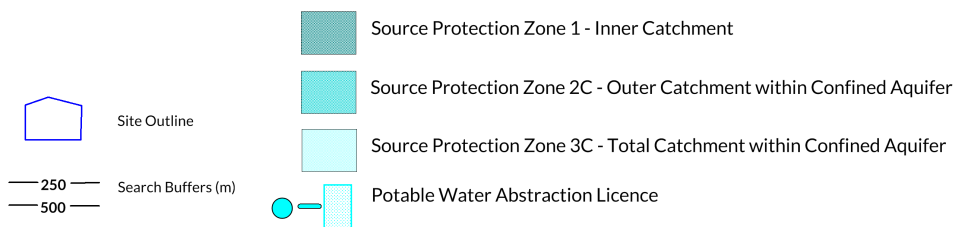
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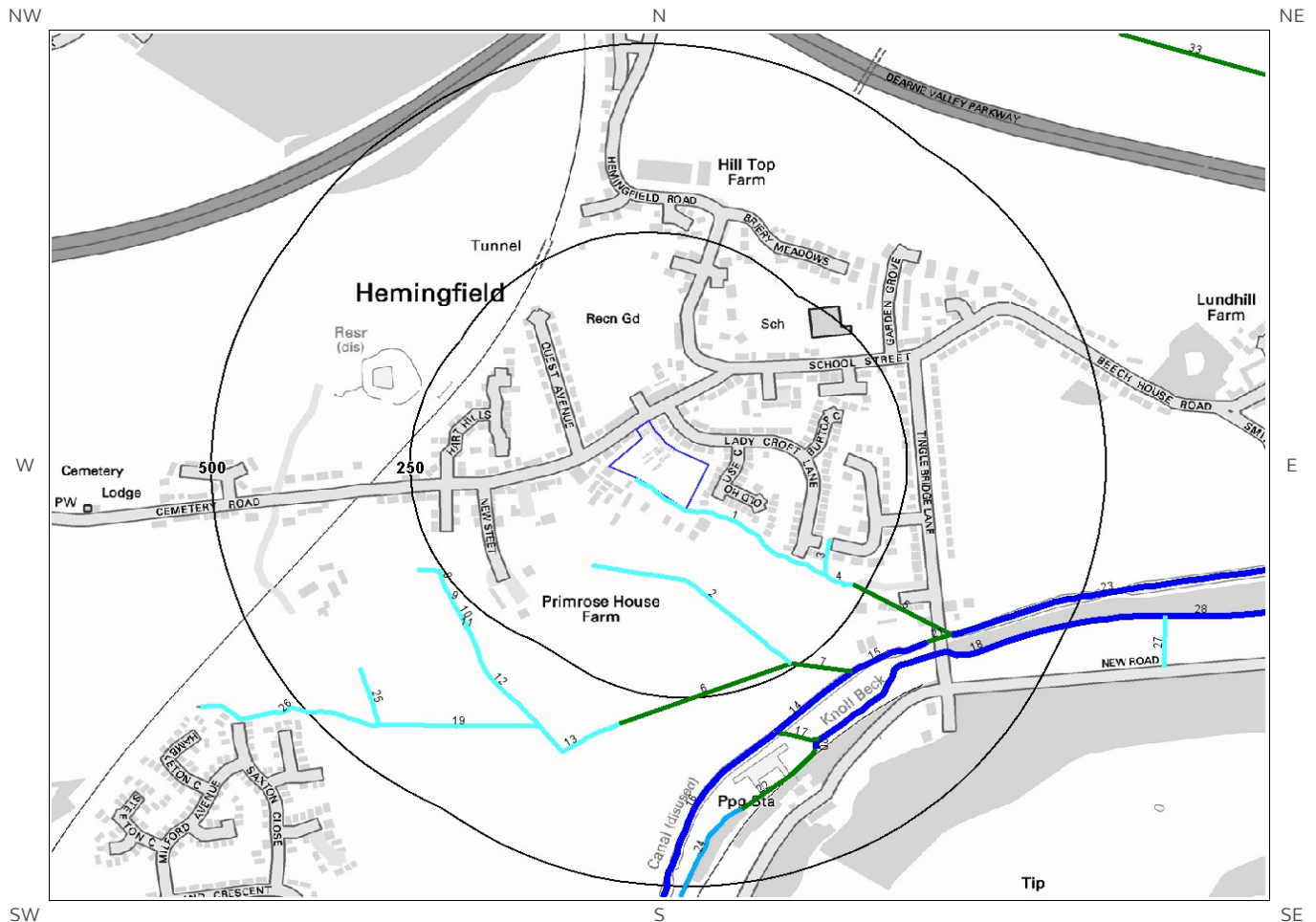
# 6d. Hydrogeology – Source Protection Zones within confined aquifer



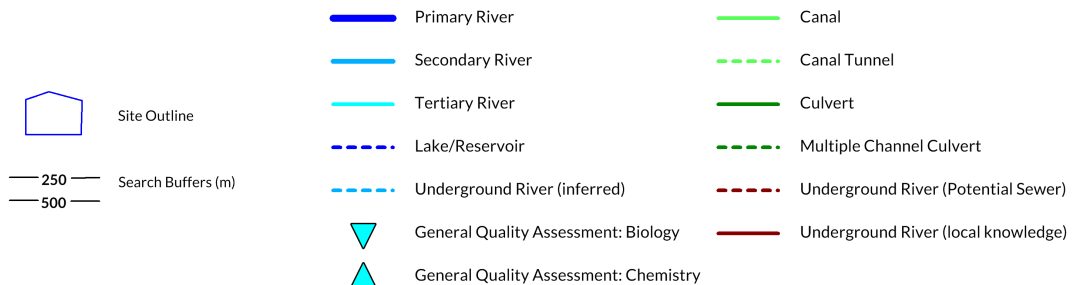
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# 6e. Hydrology – Detailed River Network and River Quality



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# 6. Hydrogeology and Hydrology

## 6.1 Aquifer within Superficial Deposits

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

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

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

| ID | Distance (m) | Direction | Designation | Description                                                                                                                                                                                                                            |
|----|--------------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 348          | SE        | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |

## 6.2 Aquifer within Bedrock Deposits

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

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

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

| ID | Distance (m) | Direction | Designation | Description                                                                                                                                                                                                                            |
|----|--------------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 0            | On Site   | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |

## 6.3 Groundwater Abstraction Licences

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

Yes

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

| ID        | Distance (m) | Direction | NGR              | Details                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|--------------|-----------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not shown | 1509         | NW        | 437710<br>401970 | Status: Historical<br>Licence No: 2/27/08/130<br>Details: Lake & Pond Throughflow<br>Direct Source: Groundwaters<br>Point: Borehole-coal Measures-wombwell<br>Data Type: Point<br>Name: H J BANKS & COMPANY LIMITED<br>Annual Volume (m³): -<br>Max Daily Volume (m³): -<br>Original Application No: 08033<br>Original Start Date: 28/11/2002<br>Expiry Date: 31/12/2004<br>Issue No: 1<br>Version Start Date: 28/11/2002<br>Version End Date: |
| Not shown | 1509         | NW        | 437710<br>401970 | Status: Historical<br>Licence No: 2/27/08/136<br>Details: Dust suppression<br>Direct Source: Groundwaters<br>Point: Borehole-coal Measures-wombwell<br>Data Type: Point<br>Name: H J BANKS (MINING) LTD<br>Annual Volume (m³): -<br>Max Daily Volume (m³): -<br>Original Application No: 08147<br>Original Start Date: 25/5/2005<br>Expiry Date: 31/10/2005<br>Issue No: 1<br>Version Start Date: 25/5/2005<br>Version End Date:               |
| Not shown | 1509         | NW        | 437710<br>401970 | Status: Historical<br>Licence No: 2/27/08/130<br>Details: Dust suppression<br>Direct Source: Groundwaters<br>Point: Borehole-coal Measures-wombwell<br>Data Type: Point<br>Name: H J BANKS & COMPANY LIMITED<br>Annual Volume (m³): -<br>Max Daily Volume (m³): -<br>Original Application No: 08033<br>Original Start Date: 28/11/2002<br>Expiry Date: 31/12/2004<br>Issue No: 1<br>Version Start Date: 28/11/2002<br>Version End Date:        |
| Not shown | 1509         | NW        | 437710<br>401970 | Status: Historical<br>Licence No: 2/27/08/136<br>Details: Lake & Pond Throughflow<br>Direct Source: Groundwaters<br>Point: Borehole-coal Measures-wombwell<br>Data Type: Point<br>Name: H J BANKS (MINING) LTD<br>Annual Volume (m³): -<br>Max Daily Volume (m³): -<br>Original Application No: 08147<br>Original Start Date: 25/5/2005<br>Expiry Date: 31/10/2005<br>Issue No: 1<br>Version Start Date: 25/5/2005<br>Version End Date:        |

## 6.4 Surface Water Abstraction Licences

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

No

Database searched and no data found.

## 6.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.