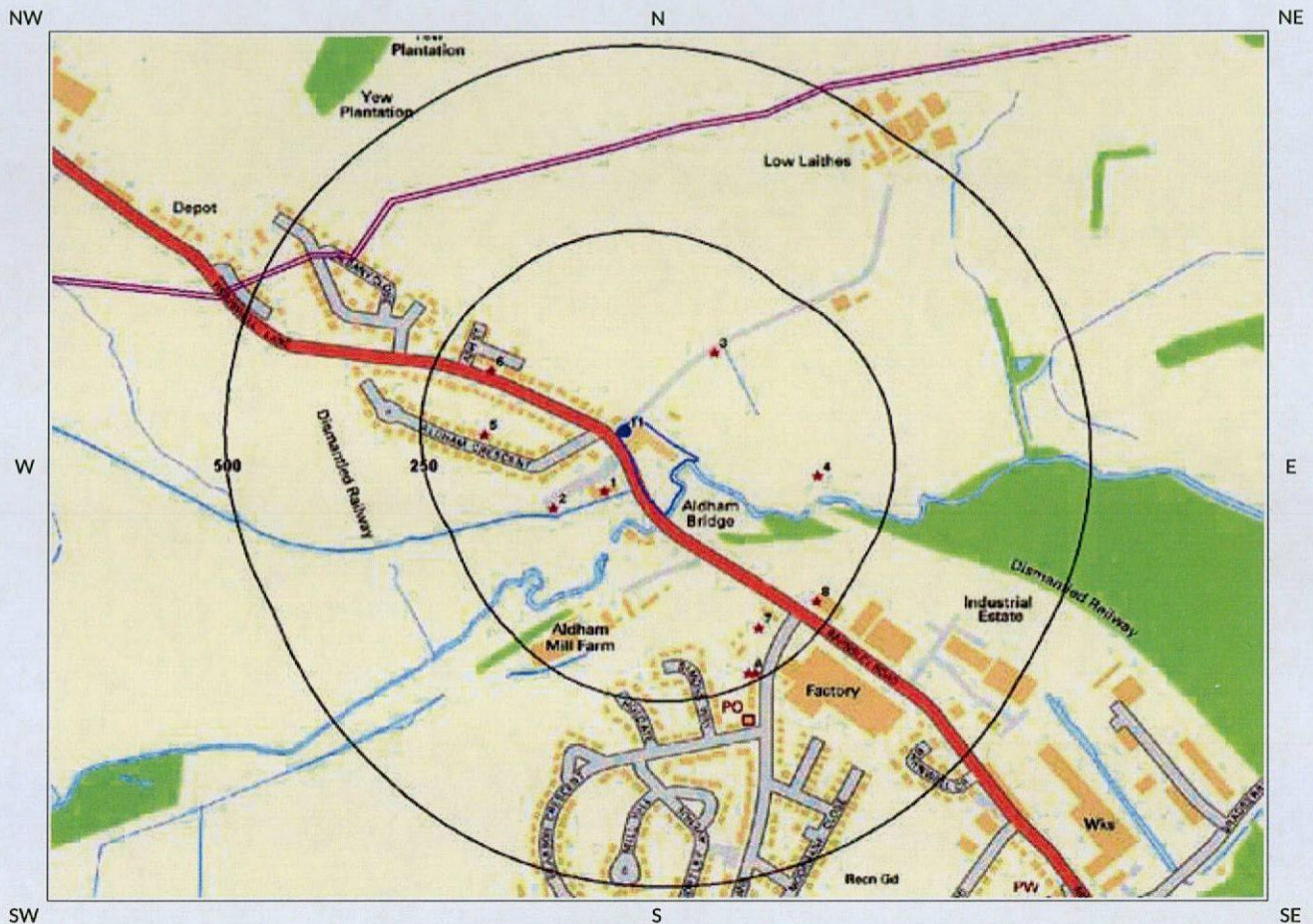


| ID           | Distance<br>(m) | Direction | NGR              | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------|-----------------|-----------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not<br>shown | 1380.0          | NW        | 437460<br>405290 | <p>Site Address: Land/premises At, Wombwell Lane, Stairfoot, Barnsley, South Yorkshire, S70 3NX</p> <p>Type: Metal Recycling Site (Vehicle Dismantler)</p> <p>Size: &lt; 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: ARM002</p> <p>EPR reference: EA/EPR/RP3098ZP/A001</p> <p>Operator: Armitage Kathleen</p> <p>Waste Management licence No: 61967</p> <p>Annual Tonnage: 4999.0</p> <p>Issue Date: 24/09/1997</p> <p>Effective Date: -</p> <p>Modified: -</p> <p>Surrendered Date: -</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Issued</p> <p>Site Name: South Yorkshire Dismantlers</p> <p>Correspondence Address: -, -</p> |

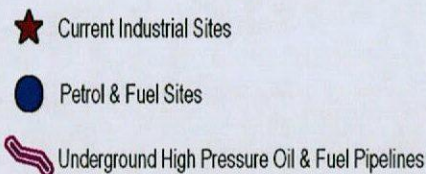
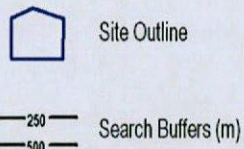
# 3. Current Land Use Map

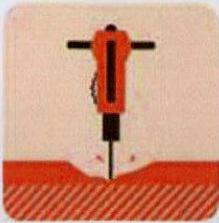


Current Land Use Legend



© Crown copyright and database rights 2013.  
Ordnance Survey license 100035207.





## 3. Current Land Uses

### 3.1 Current Industrial Data

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

10

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

| ID  | Distance (m) | Direction | Company                              | NGR           | Address                                                                      | Activity                              | Category                      |
|-----|--------------|-----------|--------------------------------------|---------------|------------------------------------------------------------------------------|---------------------------------------|-------------------------------|
| 1   | 47.0         | W         | ATS Euromaster Ltd                   | 438584 404432 | Wombwell Lane, Wombwell, Barnsley, S73 8EL                                   | Vehicle Parts and Accessories         | Motoring                      |
| 2   | 115.0        | W         | Electricity Sub Station              | 438520 404410 | S73                                                                          | Electrical Features                   | Infrastructure and Facilities |
| 3   | 129.0        | NE        | Electricity Poles                    | 438725 404619 | S73                                                                          | Electrical Features                   | Infrastructure and Facilities |
| 4   | 154.0        | E         | Pylon                                | 438857 404452 | S73                                                                          | Electrical Features                   | Infrastructure and Facilities |
| 5   | 169.0        | W         | Crescent Rodent Control Ltd Barnsley | 438431 404509 | 16, Aldham Crescent, Wombwell, Barnsley, S73 8ES                             | Pest and Vermin Control               | Contract Services             |
| 6   | 180.0        | NW        | Electricity Sub Station              | 438440 404595 | S73                                                                          | Electrical Features                   | Infrastructure and Facilities |
| 7   | 193.0        | SE        | Electricity Sub Station              | 438782 404248 | S73                                                                          | Electrical Features                   | Infrastructure and Facilities |
| 8   | 224.0        | SE        | A Plus Vehicle Services              | 438856 404284 | Unit 26 Aldham Industrial Estate, Mitchell Road, Wombwell, Barnsley, S73 8HA | Vehicle Repair, Testing and Servicing | Repair and Servicing          |
| 9A  | 236.0        | SE        | Gas Governor                         | 438768 404189 | S73                                                                          | Gas Features                          | Infrastructure and Facilities |
| 10A | 240.0        | SE        | Gas Governor Station                 | 438777 404189 | S73                                                                          | Gas Features                          | Infrastructure and Facilities |

### 3.2 Petrol and Fuel Sites

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

1

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   |
|----|--------------|-----------|---------------|----------|-----------------------------------------------------------------------------------------------|----------------|----------|
| 11 | 0.0          | On Site   | 438610 404513 | Obsolete | Auto Trade Centre, Wombwell Lane, Wombwell Lane, Wombwell, Barnsley, South Yorkshire, S73 8EP | Not Applicable | Obsolete |

---

### 3.3 Underground High Pressure Oil and Gas Pipelines

Records of high pressure underground pipelines within 500m of the study site:

1

The following Underground High Pressure Oil and Gas pipeline records provided by Linewatch are represented as linear features on the Current Land Use map:

| ID | Distance (m) | Direction | Address                                        | Operator                   | Telephone     |
|----|--------------|-----------|------------------------------------------------|----------------------------|---------------|
| 12 | 356.0        | N         | GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY | GPSS Aldermaston pipelines | 0845 070 1245 |

---



## 4. Geology

### 4.1 Artificial Ground and Made Ground

Database searched and no data found.

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

### 4.2 Superficial Ground and Drift Geology

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

| Lex Code | Description | Rock Type     |
|----------|-------------|---------------|
| ALV-CLSI | ALLUVIUM    | CLAY AND SILT |

### 4.3 Bedrock and Solid Geology

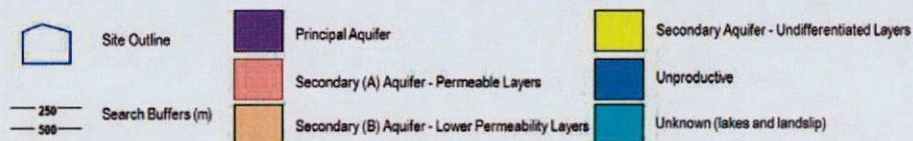
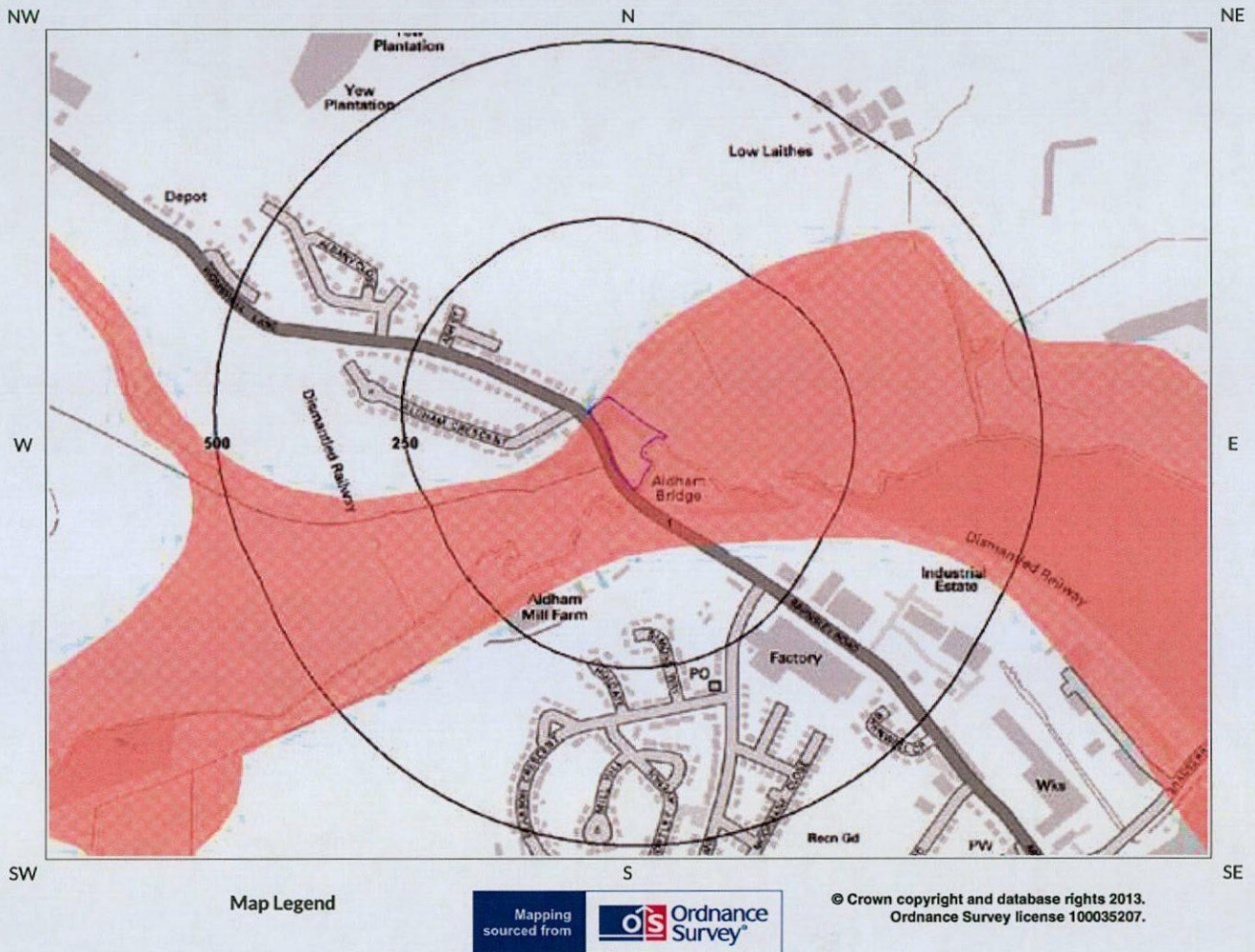
The database has been searched on site, including a 50m buffer.

| Lex Code | Description | Rock Type |
|----------|-------------|-----------|
| OR-SDST  | OAKS ROCK   | SANDSTONE |

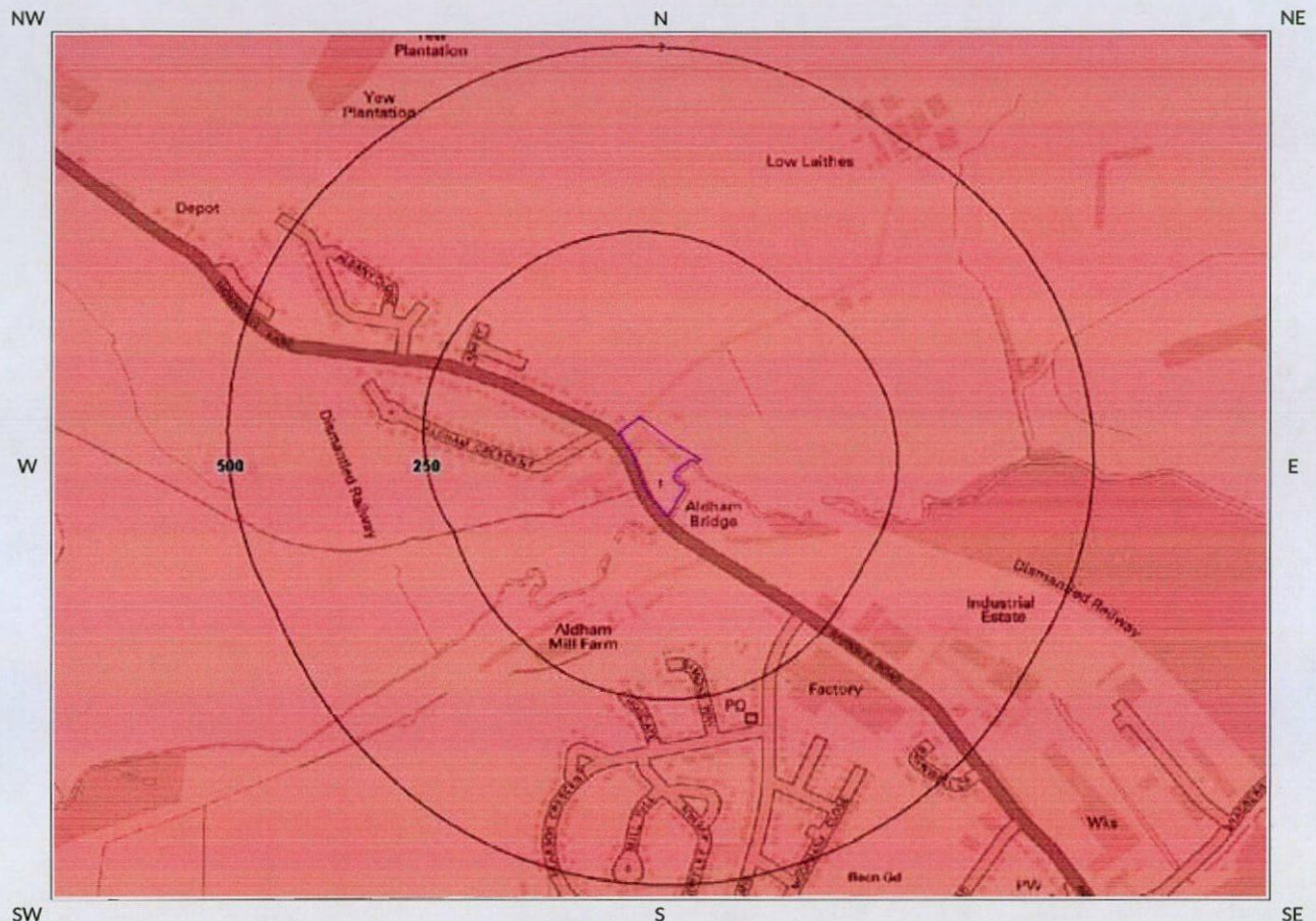
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

# 5. Hydrogeology and Hydrology

## 5a. Aquifer Within Superficial Geology



# 5b. Aquifer Within Bedrock Geology and Abstraction Licenses

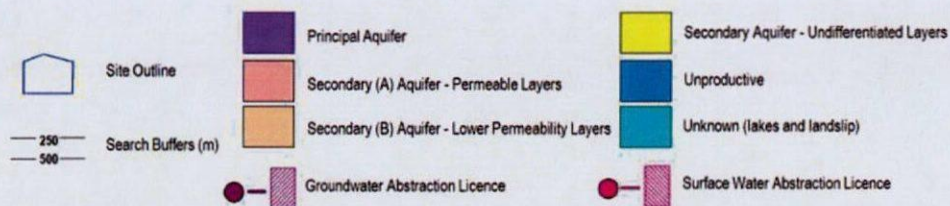


Map Legend

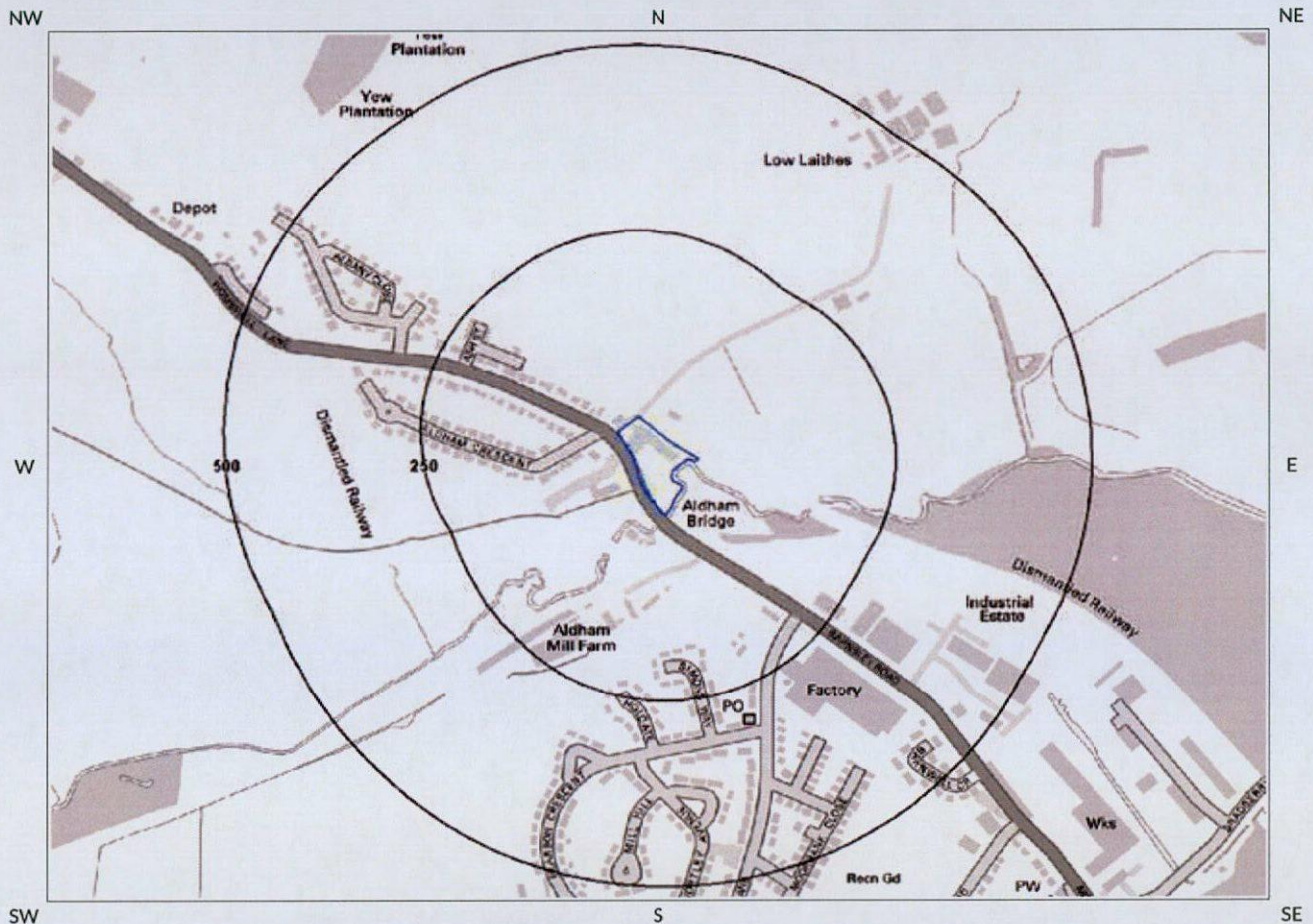
Mapping sourced from  

**Ordnance Survey**

© Crown copyright and database rights 2013.  
 Ordnance Survey license 100035207.



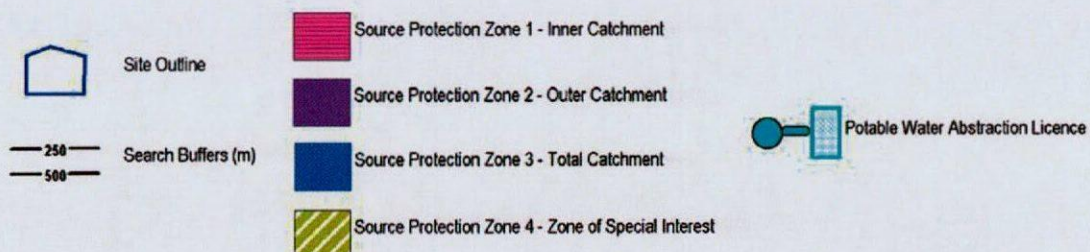
# 5c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



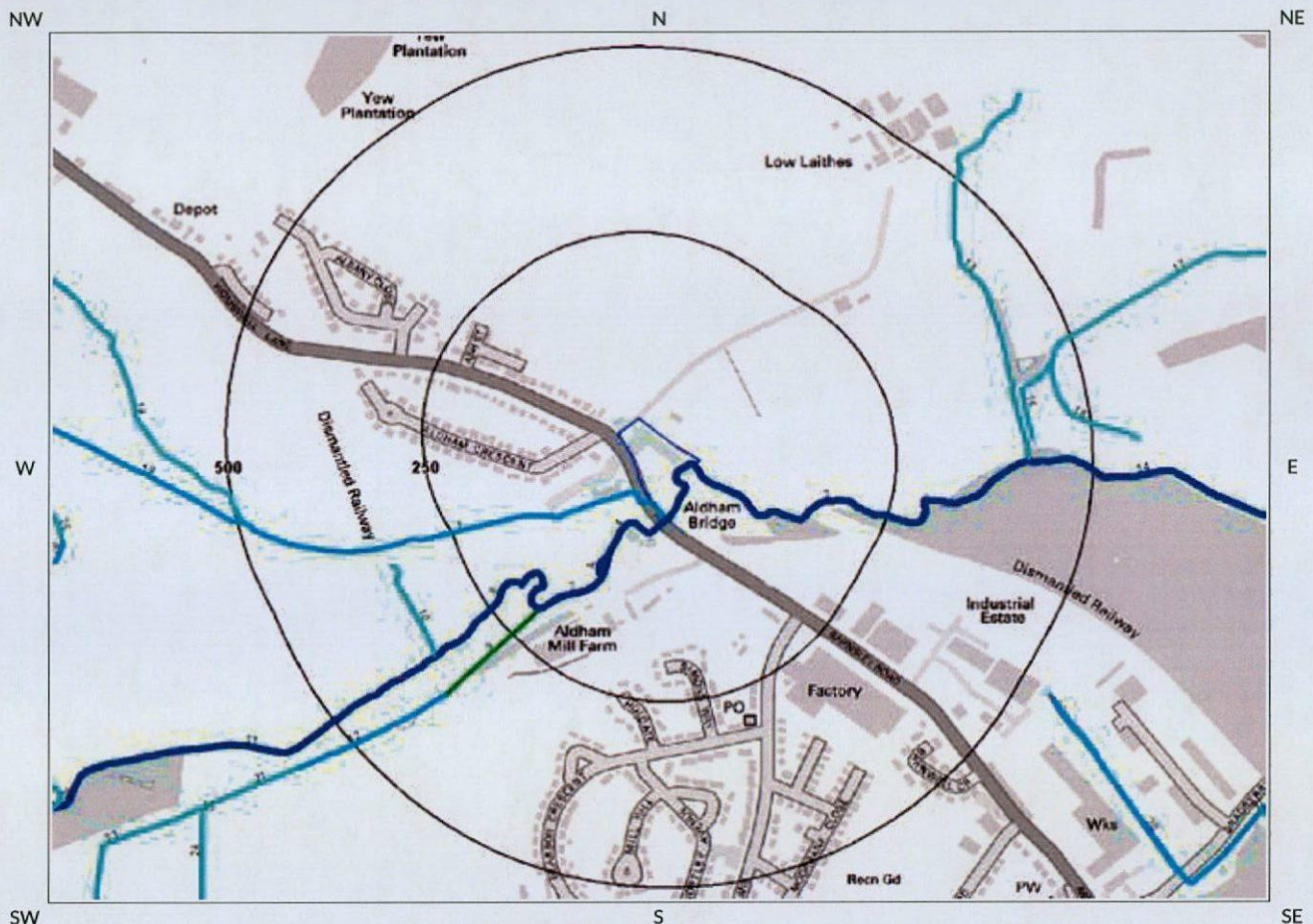
Map Legend

Mapping sourced from 

© Crown copyright and database rights 2013.  
Ordnance Survey license 100035207.



# 5d. Hydrology – Detailed River Network and River Quality



Map Legend

Mapping sourced from  Ordnance Survey

© Crown copyright and database rights 2013.  
Ordnance Survey license 100035207.

- |                                                                                                            |                                                                                                                           |                                                                                                                         |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  Site Outline           |  Primary River                         |  Canal                               |
|  250 Search Buffers (m) |  Secondary River                       |  Canal Tunnel                        |
|  500 Search Buffers (m) |  Tertiary River                        |  Culvert                             |
|                                                                                                            |  Lake/Reservoir                        |  Multiple Channel Culvert            |
|                                                                                                            |  Underground River (inferred)          |  Underground River (Potential Sewer) |
|                                                                                                            |  General Quality Assessment: Biology   |  Underground River (local knowledge) |
|                                                                                                            |  General Quality Assessment: Chemistry |                                                                                                                         |



## 5. Hydrogeology and Hydrology

### 5.1 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'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 Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (5a):

| ID | Distance (m) | Direction | Designation | Description                                                                                                                                                                                                                            |
|----|--------------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 0.0          | 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 |

### 5.2 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'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 Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (5b):

| ID | Distance (m) | Direction | Designation | Description                                                                                                                                                                                                                            |
|----|--------------|-----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 0.0          | 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  | 467.0        | N         | Secondary A | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers |

### 5.3 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 (5b):

| ID        | Distance (m) | Direction | NGR              | Details                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------|--------------|-----------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not shown | 739.0        | NE        | 439100<br>405100 | Licence No: 2/27/08/029<br>Details: General Farming & Domestic<br>Direct Source: Groundwaters<br>Point: Spring No2 - Low Laithes<br>Data Type: Point<br>Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: 01449<br>Original Start Date: 20/1/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 9/1/1990<br>Version End Date: |
| Not shown | 739.0        | NE        | 439100<br>405100 | Licence No: 2/27/08/029<br>Details: General Farming & Domestic<br>Direct Source: Groundwaters<br>Point: Spring No2<br>Data Type: Point<br>Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: 01449<br>Original Start Date: 20/1/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 9/1/1990<br>Version End Date:               |
| Not shown | 1102.0       | N         | 438900<br>405600 | Licence No: 2/27/08/029<br>Details: General Farming & Domestic<br>Direct Source: Groundwaters<br>Point: Spring No1<br>Data Type: Point<br>Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: 01449<br>Original Start Date: 20/1/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 9/1/1990<br>Version End Date:               |
| Not shown | 1102.0       | N         | 438900<br>405600 | Licence No: 2/27/08/029<br>Details: General Farming & Domestic<br>Direct Source: Groundwaters<br>Point: Spring No1 - Low Laithes<br>Data Type: Point<br>Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: 01449<br>Original Start Date: 20/1/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 9/1/1990<br>Version End Date: |

### 5.4 Surface Water Abstraction Licences

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

No

Database searched and no data found.

### 5.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.

## 5.6 Source Protection Zones

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

No

Database searched and no data found.

---

## 5.7 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site?

No

### 5.7.1 Biological Quality:

Database searched and no data found.

---

### 5.7.2 Chemical Quality:

Database searched and no data found.

---

## 5.8 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 (5d):

| ID | Distance (m) | Direction | Details                                                              |                                                                       |
|----|--------------|-----------|----------------------------------------------------------------------|-----------------------------------------------------------------------|
| 1  | 0.0          | On Site   | River Name: -<br>Welsh River Name: -<br>Alternative Name: -          | River Type: Secondary River<br>Main River Status: Currently Undefined |
| 2  | 1.0          | SE        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 3  | 4.0          | S         | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 4  | 17.0         | SW        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 5A | 90.0         | SW        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 6A | 90.0         | SW        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 7  | 115.0        | SW        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 8  | 172.0        | SW        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 9  | 198.0        | SW        | River Name: -<br>Welsh River Name: -<br>Alternative Name: -          | River Type: Culvert<br>Main River Status: Currently Undefined         |
| 10 | 332.0        | W         | River Name: Drain<br>Welsh River Name: -<br>Alternative Name: -      | River Type: Tertiary River<br>Main River Status: Currently Undefined  |
| 11 | 342.0        | SW        | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 12 | 367.0        | SW        | River Name: Drain<br>Welsh River Name: -<br>Alternative Name: -      | River Type: Secondary River<br>Main River Status: Currently Undefined |
| 13 | 407.0        | E         | River Name: -<br>Welsh River Name: -<br>Alternative Name: -          | River Type: Tertiary River<br>Main River Status: Currently Undefined  |
| 14 | 416.0        | E         | River Name: River Dove<br>Welsh River Name: -<br>Alternative Name: - | River Type: Primary River<br>Main River Status: Currently Undefined   |
| 15 | 420.0        | E         | River Name: -<br>Welsh River Name: -<br>Alternative Name: -          | River Type: Tertiary River<br>Main River Status: Currently Undefined  |
| 16 | 462.0        | E         | River Name: Drain<br>Welsh River Name: -<br>Alternative Name: -      | River Type: Tertiary River<br>Main River Status: Currently Undefined  |
| 17 | 468.0        | E         | River Name: Drain<br>Welsh River Name: -<br>Alternative Name: -      | River Type: Tertiary River<br>Main River Status: Currently Undefined  |
| 18 | 494.0        | W         | River Name: -<br>Welsh River Name: -<br>Alternative Name: -          | River Type: Tertiary River<br>Main River Status: Currently Undefined  |
| 19 | 494.0        | W         | River Name: Drain<br>Welsh River Name: -<br>Alternative Name: -      | River Type: Secondary River<br>Main River Status: Currently Undefined |

## 5.9 Surface Water Features

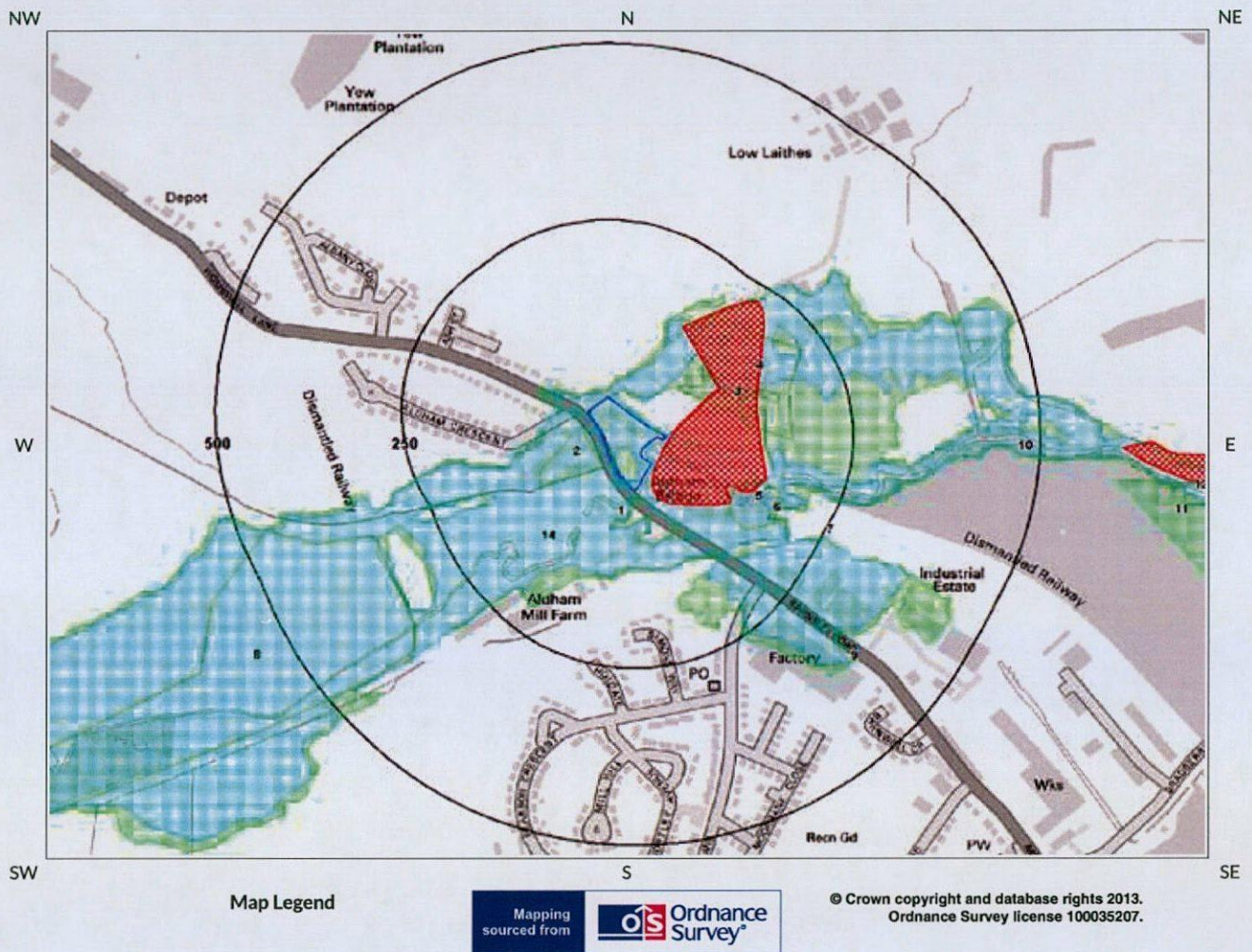
Are there any surface water features within 250m of the study site?

Yes

The following surface water records are not represented on mapping:

| Distance (m) | Direction |
|--------------|-----------|
| 0.0          | On Site   |
| 11.0         | SW        |
| 12.0         | SW        |
| 89.0         | SW        |
| 97.0         | NE        |
| 162.0        | E         |

## 6. Environment Agency Flood Map for planning (from rivers and the sea)





## 6. Flooding

### 6.1 Zone 2 Flooding

Environment Agency 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 1 – Environment Agency Flood Map for Planning:

Is the site within 250m of an Environment Agency Zone 2 floodplain?

Yes

The following floodplain records are represented as green shading on the Flood Map:

| ID | Distance (m) | Direction | Update      | Type                                         |
|----|--------------|-----------|-------------|----------------------------------------------|
| 1  | 0.0          | On Site   | 27-Feb-2014 | Zone 2 - (Fluvial Models)                    |
| 2  | 15.0         | W         | 27-Feb-2014 | Zone 2 - (Fluvial Models and Fluvial Events) |
| 3  | 65.0         | NE        | 27-Feb-2014 | Zone 2 - (Fluvial Events)                    |
| 4  | 73.0         | NE        | 27-Feb-2014 | Zone 2 - (Fluvial Models and Fluvial Events) |
| 5  | 112.0        | SE        | 27-Feb-2014 | Zone 2 - (Fluvial Models and Fluvial Events) |
| 6  | 173.0        | SE        | 27-Feb-2014 | Zone 2 - (Fluvial Events)                    |

### 6.2 Zone 3 Flooding

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 1 – Environment Agency Flood Map for Planning.

Is the site within 250m of an Environment Agency Zone 3 floodplain?

Yes

The following floodplain records are represented as blue shading on the Flood Map:

| ID | Distance (m) | Direction | Update      | Type                      |
|----|--------------|-----------|-------------|---------------------------|
| 14 | 0.0          | On Site   | 27-Feb-2014 | Zone 3 - (Fluvial Models) |

### 6.3 Flood Defences

Are there any Flood Defences within 250m of the study site?

No

Database searched and no data found.