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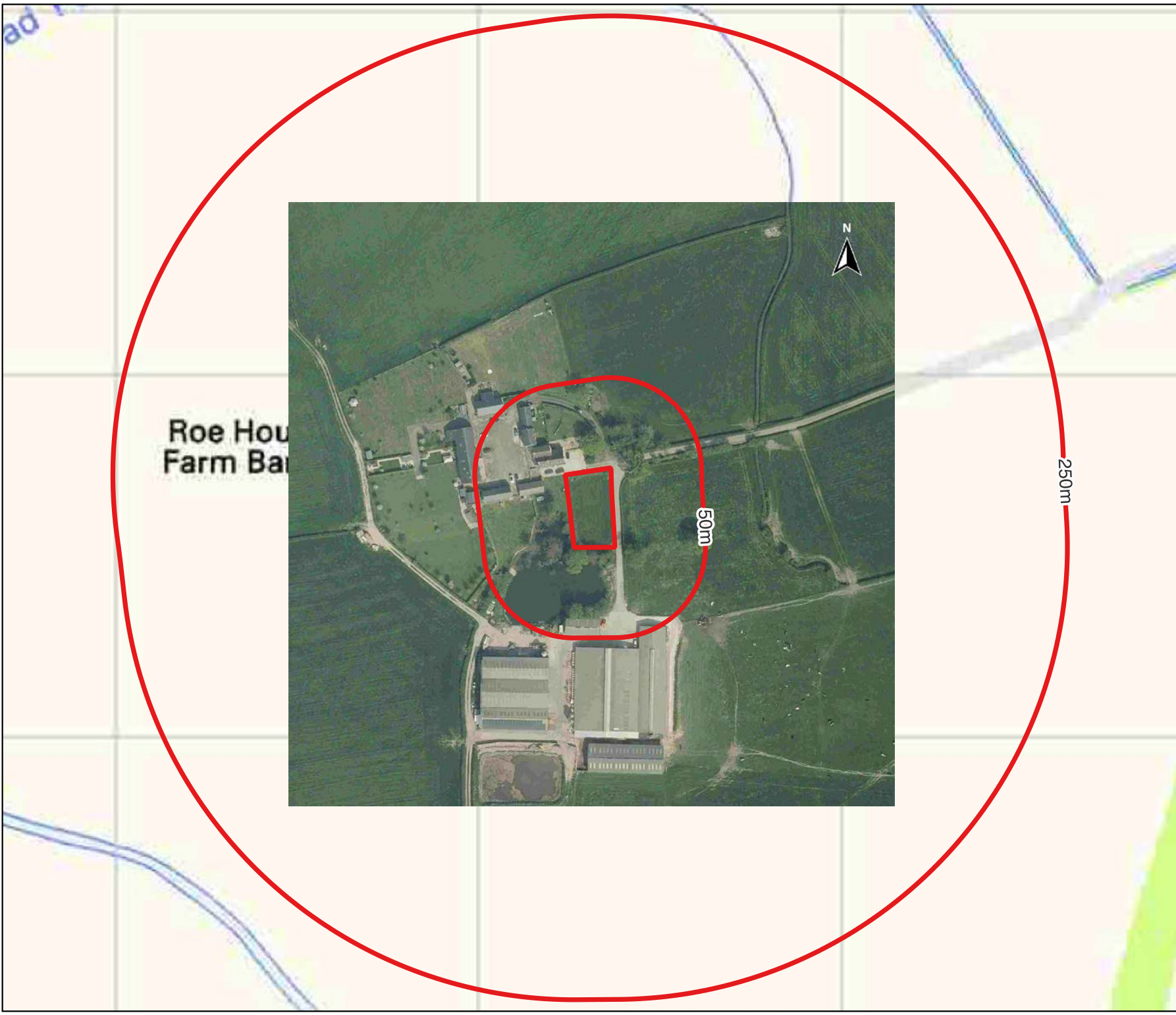
Tel: 0151 521 2539  
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Date of Map: 2013

Site Name: Roe Farm House



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Date of Map: 2019

Site Name: Roe Farm House

Scale: 1:2,750 at A4

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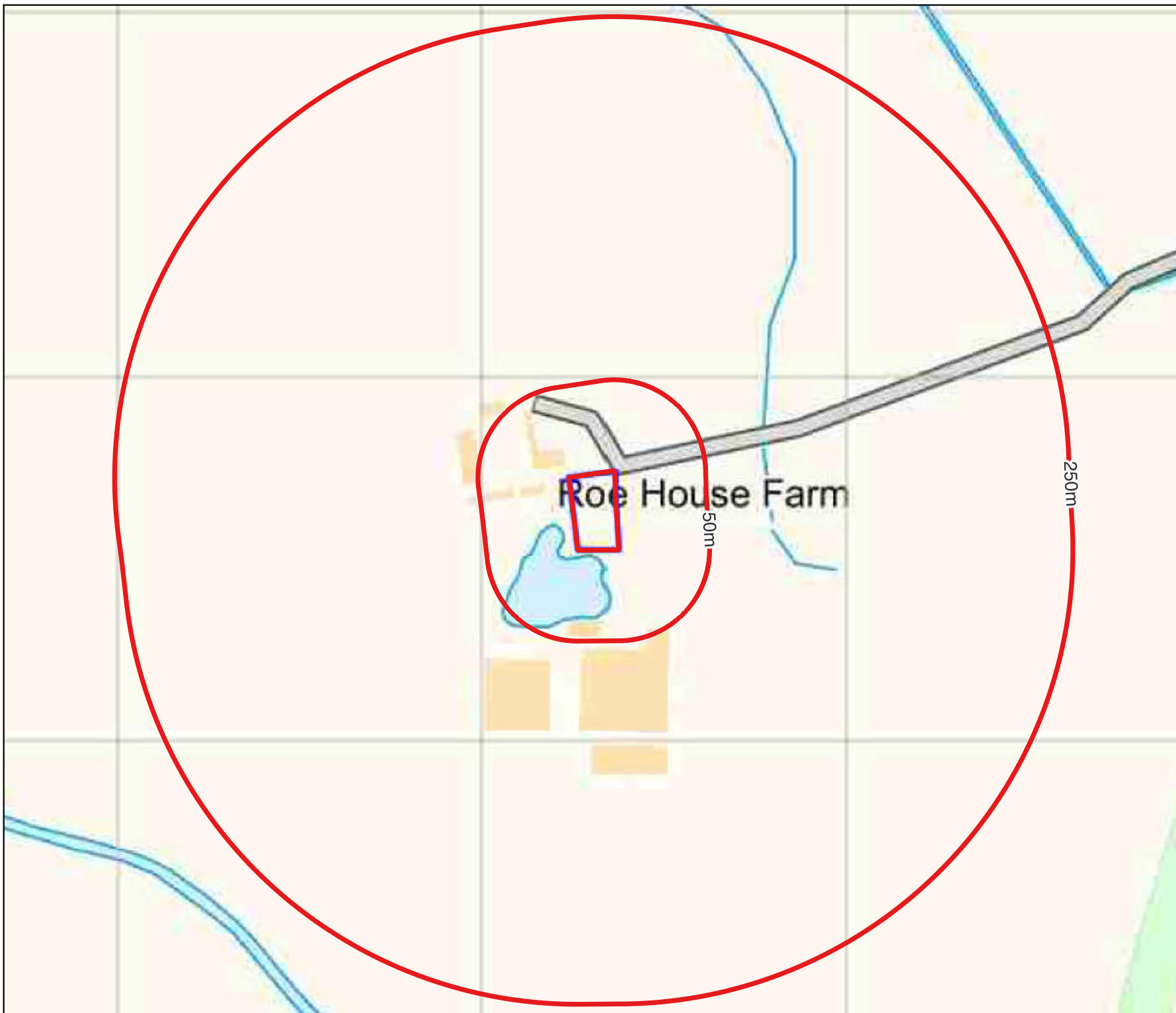
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Date of Map: 2022

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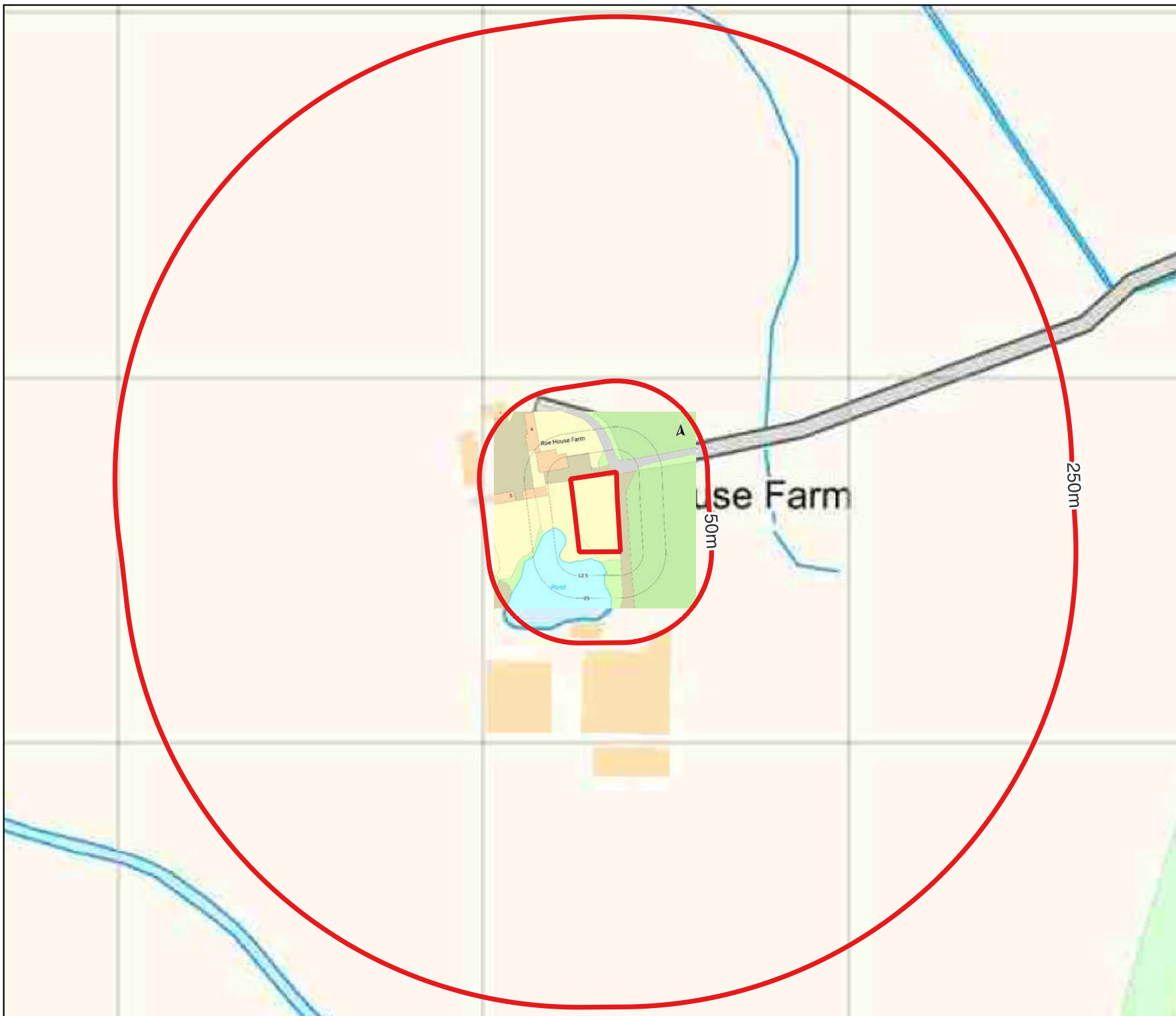
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## **APPENDIX G: GROUNDSURE REPORTS**

Roe Farm House, Catterall Lane, Catterall, Preston, Lancashire, PR3 0PA

## Order Details

**Date:** 30/06/2022  
**Your ref:** EMS-DE\_791859\_982378  
**Our Ref:** EMS-DE-791859\_1021195

## Site Details

**Location:** 348062 441326  
**Area:** 0.1 ha  
**Authority:** [Wyre Council](#)



**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.12

[groundsure.com/insightuserguide](https://groundsure.com/insightuserguide)

## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>13</b>	<b>1.1</b>	<b><u>Historical industrial land uses</u></b>	0	0	0	2	-
14	1.2	Historical tanks	0	0	0	0	-
14	1.3	Historical energy features	0	0	0	0	-
14	1.4	Historical petrol stations	0	0	0	0	-
15	1.5	Historical garages	0	0	0	0	-
15	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<b>16</b>	<b>2.1</b>	<b><u>Historical industrial land uses</u></b>	0	0	0	3	-
17	2.2	Historical tanks	0	0	0	0	-
17	2.3	Historical energy features	0	0	0	0	-
17	2.4	Historical petrol stations	0	0	0	0	-
17	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
18	3.1	Active or recent landfill	0	0	0	0	-
18	3.2	Historical landfill (BGS records)	0	0	0	0	-
19	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
19	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
19	3.5	Historical waste sites	0	0	0	0	-
19	3.6	Licensed waste sites	0	0	0	0	-
<b>19</b>	<b>3.7</b>	<b><u>Waste exemptions</u></b>	0	0	1	1	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>21</b>	<b>4.1</b>	<b><u>Recent industrial land uses</u></b>	0	1	1	-	-
22	4.2	Current or recent petrol stations	0	0	0	0	-
22	4.3	Electricity cables	0	0	0	0	-
<b>22</b>	<b>4.4</b>	<b><u>Gas pipelines</u></b>	0	0	1	0	-
22	4.5	Sites determined as Contaminated Land	0	0	0	0	-



22	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
23	4.7	Regulated explosive sites	0	0	0	0	-
23	4.8	Hazardous substance storage/usage	0	0	0	0	-
23	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
23	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
23	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
24	4.12	Radioactive Substance Authorisations	0	0	0	0	-
24	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
24	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
24	4.15	Pollutant release to public sewer	0	0	0	0	-
24	4.16	List 1 Dangerous Substances	0	0	0	0	-
25	4.17	List 2 Dangerous Substances	0	0	0	0	-
25	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
25	4.19	Pollution inventory substances	0	0	0	0	-
25	4.20	Pollution inventory waste transfers	0	0	0	0	-
25	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
<b>26</b>	<b>5.1</b>	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
<b>28</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>29</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
30	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
30	5.5	Groundwater vulnerability- local information	None (within 0m)				
<b>31</b>	<b>5.6</b>	<b><u>Groundwater abstractions</u></b>	0	0	0	0	21
<b>37</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	4
<b>38</b>	<b>5.8</b>	<b><u>Potable abstractions</u></b>	0	0	0	0	19
<b>43</b>	<b>5.9</b>	<b><u>Source Protection Zones</u></b>	1	0	0	0	-
43	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
<b>44</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	0	0	5	-	-





45	<b>6.2</b>	<b><u>Surface water features</u></b>	0	1	3	-	-
45	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
46	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	0	0	0	-	-
46	<b>6.5</b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
<b>47</b>	<b>7.1</b>	<b><u>Risk of flooding from rivers and the sea</u></b>	Medium (within 50m)				
<b>48</b>	<b>7.2</b>	<b><u>Historical Flood Events</u></b>	0	3	1	-	-
<b>48</b>	<b>7.3</b>	<b><u>Flood Defences</u></b>	0	0	2	-	-
49	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
49	7.5	Flood Storage Areas	0	0	0	-	-
<b>50</b>	<b>7.6</b>	<b><u>Flood Zone 2</u></b>	Identified (within 50m)				
<b>51</b>	<b>7.7</b>	<b><u>Flood Zone 3</u></b>	Identified (within 50m)				
Page	Section	Surface water flooding					
<b>52</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 1000 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>54</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	Moderate-High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
55	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
56	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
56	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
56	10.4	Special Protection Areas (SPA)	0	0	0	0	0
56	10.5	National Nature Reserves (NNR)	0	0	0	0	0
57	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
57	10.7	Designated Ancient Woodland	0	0	0	0	0
57	10.8	Biosphere Reserves	0	0	0	0	0
57	10.9	Forest Parks	0	0	0	0	0
<b>58</b>	<b>10.10</b>	<b><u>Marine Conservation Zones</u></b>	0	0	0	0	1
58	10.11	Green Belt	0	0	0	0	0
58	10.12	Proposed Ramsar sites	0	0	0	0	0



58	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
59	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
59	10.15	Nitrate Sensitive Areas	0	0	0	0	0
59	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
<b>60</b>	<b><u>10.17</u></b>	<b><u>SSSI Impact Risk Zones</u></b>	<b>1</b>	-	-	-	-
61	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
62	11.1	World Heritage Sites	0	0	0	-	-
62	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
62	11.3	National Parks	0	0	0	-	-
62	11.4	Listed Buildings	0	0	0	-	-
63	11.5	Conservation Areas	0	0	0	-	-
63	11.6	Scheduled Ancient Monuments	0	0	0	-	-
63	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>64</b>	<b><u>12.1</u></b>	<b><u>Agricultural Land Classification</u></b>	<b>Grade 2 (within 250m)</b>				
65	12.2	Open Access Land	0	0	0	-	-
65	12.3	Tree Felling Licences	0	0	0	-	-
65	12.4	Environmental Stewardship Schemes	0	0	0	-	-
<b>66</b>	<b><u>12.5</u></b>	<b><u>Countryside Stewardship Schemes</u></b>	<b>1</b>	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>67</b>	<b><u>13.1</u></b>	<b><u>Priority Habitat Inventory</u></b>	0	5	5	-	-
68	13.2	Habitat Networks	0	0	0	-	-
68	13.3	Open Mosaic Habitat	0	0	0	-	-
68	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>69</b>	<b><u>14.1</u></b>	<b><u>10k Availability</u></b>	<b>Identified (within 500m)</b>				
70	14.2	Artificial and made ground (10k)	0	0	0	0	-
71	14.3	Superficial geology (10k)	0	0	0	0	-



71	14.4	Landslip (10k)	0	0	0	0	-
72	14.5	Bedrock geology (10k)	0	0	0	0	-
72	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>73</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
74	15.2	Artificial and made ground (50k)	0	0	0	0	-
74	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<b>75</b>	<b>15.4</b>	<b><u>Superficial geology (50k)</u></b>	1	0	1	0	-
<b>76</b>	<b>15.5</b>	<b><u>Superficial permeability (50k)</u></b>	Identified (within 50m)				
76	15.6	Landslip (50k)	0	0	0	0	-
76	15.7	Landslip permeability (50k)	None (within 50m)				
<b>77</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	1	0	0	0	-
<b>78</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
78	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<b>79</b>	<b>16.1</b>	<b><u>BGS Boreholes</u></b>	0	0	5	-	-
Page	Section	Natural ground subsidence					
<b>81</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Very low (within 50m)				
<b>82</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Very low (within 50m)				
<b>83</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Negligible (within 50m)				
<b>84</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Very low (within 50m)				
<b>85</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Very low (within 50m)				
<b>86</b>	<b>17.6</b>	<b><u>Ground dissolution of soluble rocks</u></b>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
87	18.1	Natural cavities	0	0	0	0	-
88	18.2	BritPits	0	0	0	0	-
<b>88</b>	<b>18.3</b>	<b><u>Surface ground workings</u></b>	2	6	2	-	-
88	18.4	Underground workings	0	0	0	0	0
89	18.5	Historical Mineral Planning Areas	0	0	0	0	-



89	18.6	Non-coal mining	0	0	0	0	0
89	18.7	Mining cavities	0	0	0	0	0
89	18.8	JPB mining areas	None (within 0m)				
89	18.9	Coal mining	None (within 0m)				
90	18.10	Brine areas	None (within 0m)				
90	18.11	Gypsum areas	None (within 0m)				
90	18.12	Tin mining	None (within 0m)				
90	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<b>91</b>	<b>19.1</b>	<b>Radon</b>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<b>92</b>	<b>20.1</b>	<b>BGS Estimated Background Soil Chemistry</b>	1	2	-	-	-
92	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
92	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
93	21.1	Underground railways (London)	0	0	0	-	-
93	21.2	Underground railways (Non-London)	0	0	0	-	-
93	21.3	Railway tunnels	0	0	0	-	-
93	21.4	Historical railway and tunnel features	0	0	0	-	-
93	21.5	Royal Mail tunnels	0	0	0	-	-
94	21.6	Historical railways	0	0	0	-	-
94	21.7	Railways	0	0	0	-	-
94	21.8	Crossrail 1	0	0	0	0	-
94	21.9	Crossrail 2	0	0	0	0	-
94	21.10	HS2	0	0	0	0	-



## Recent aerial photograph



Capture Date: 22/04/2019

Site Area: 0.1ha





## Recent site history - 2017 aerial photograph



Capture Date: 08/04/2017

Site Area: 0.1ha





## Recent site history - 2013 aerial photograph



Capture Date: 19/07/2013

Site Area: 0.1ha





## Recent site history - 2000 aerial photograph

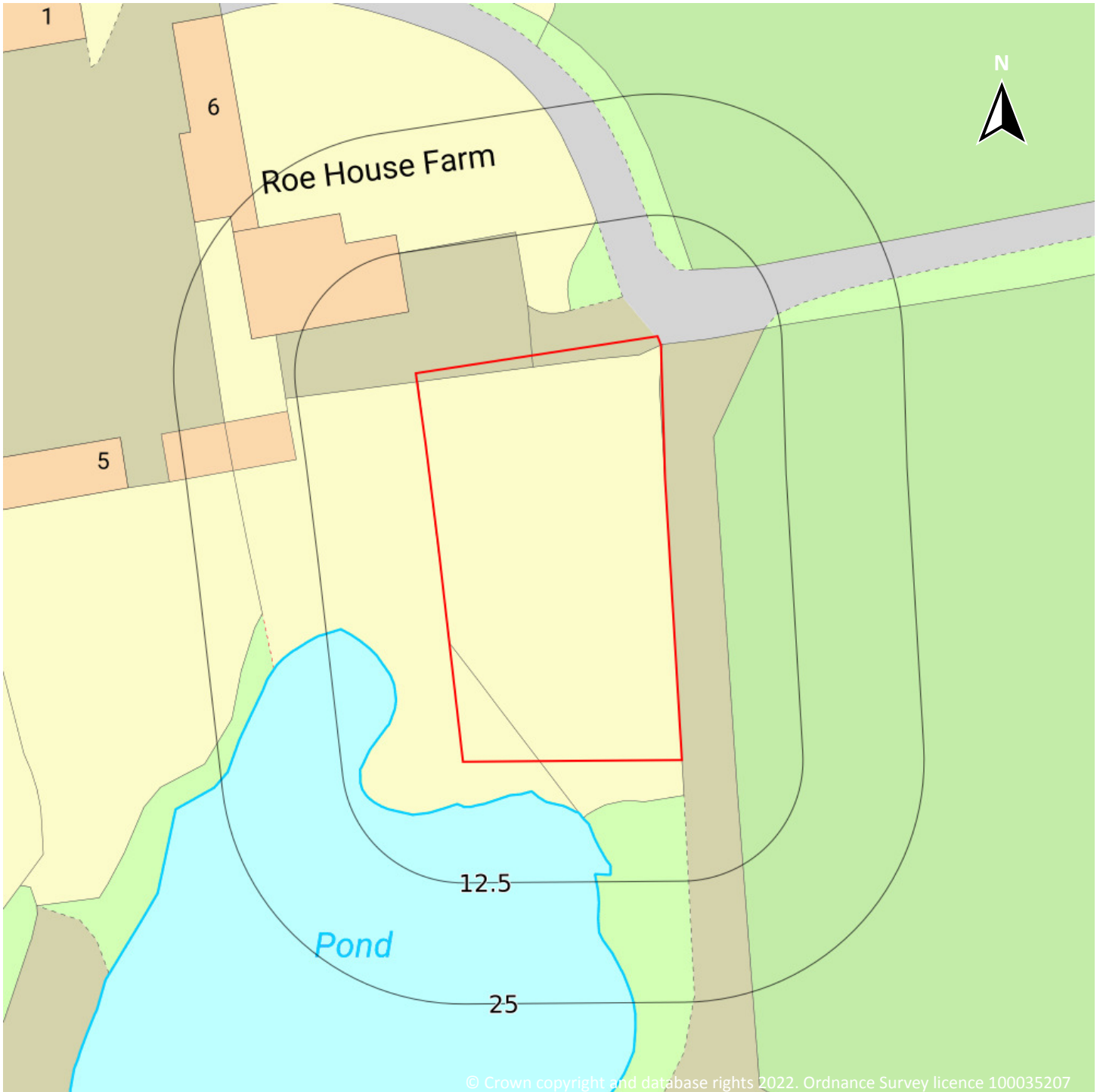


Capture Date: 21/07/2000

Site Area: 0.1ha



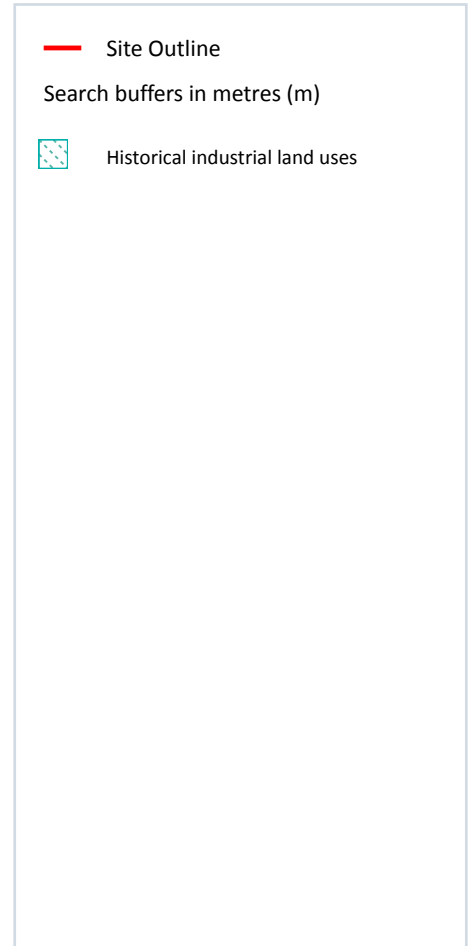
## OS MasterMap site plan



Site Area: 0.1ha



## 1 Past land use



### 1.1 Historical industrial land uses

Records within 500m

2

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
A	475m S	Pumping Station	1910 - 1933	736169



ID	Location	Land use	Dates present	Group ID
A	477m S	Pumping Station	1891	790869

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

**Records within 500m**

**0**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.3 Historical energy features

**Records within 500m**

**0**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*






## 2 Past land use - un-grouped



— Site Outline

Search buffers in metres (m)

 Historical industrial land uses

### 2.1 Historical industrial land uses

Records within 500m

3

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 16**

ID	Location	Land Use	Date	Group ID
A	475m S	Pumping Station	1933	736169
A	475m S	Pumping Station	1910	736169
A	477m S	Pumping Station	1891	790869

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

**Records within 500m**

**0**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

**Records within 500m**

**0**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

**Records within 500m**

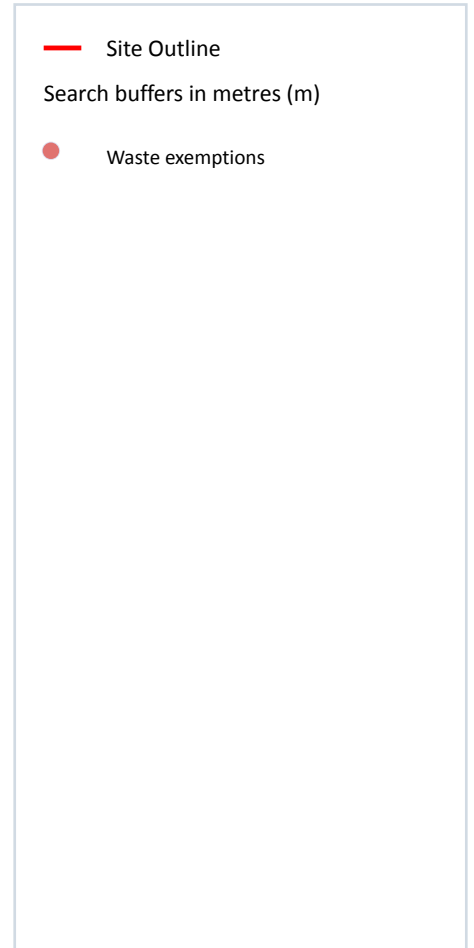
**0**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 3 Waste and landfill



### 3.1 Active or recent landfill

Records within 500m

0

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

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

### 3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

0

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

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

### 3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

Records within 500m

0

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

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

### 3.7 Waste exemptions

Records within 500m

2

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 18**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	72m S	Roe Farm Catterall Lane PRESTON PR3 0PA	EPR/YF0838NX /A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
2	451m NW	Towncroft Farm PR3 0PA	EPR/SE5086TA /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge

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



## 4 Current industrial land use



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### 4.1 Recent industrial land uses

Records within 250m

2

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 21**

ID	Location	Company	Address	Activity	Category
1	14m NW	J P & C Robson	Roe Farm, Catterall Lane, Catterall, Preston, Lancashire, PR3 0PA	Dairy Farming	Farming
2	125m S	Slurry Bed	Lancashire, PR3	Waste Storage, Processing and Disposal	Infrastructure and Facilities

*This data is sourced from Ordnance Survey.*



## 4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

Records within 500m

1

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on **page 21**

ID	Location	Pipe Name	Details	
3	224m W	LUPTON TO BREHERTO N	Pipe Number: - Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): -	Pipeline Diameter (mm): 1050 Wall Thickness (mm): - Year of commission: Not specified Abandonment Status: Not abandoned

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*



## 4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

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

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

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

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

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

*This data is sourced from Local Authority records.*



## 4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

## 4.13 Licensed Discharges to controlled waters

Records within 500m

0

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

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

## 4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

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

## 4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

## 4.16 List 1 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

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



#### 4.17 List 2 Dangerous Substances

Records within 500m

0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

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

#### 4.18 Pollution Incidents (EA/NRW)

Records within 500m

0

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

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

#### 4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

#### 4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

#### 4.21 Pollution inventory radioactive waste

Records within 500m

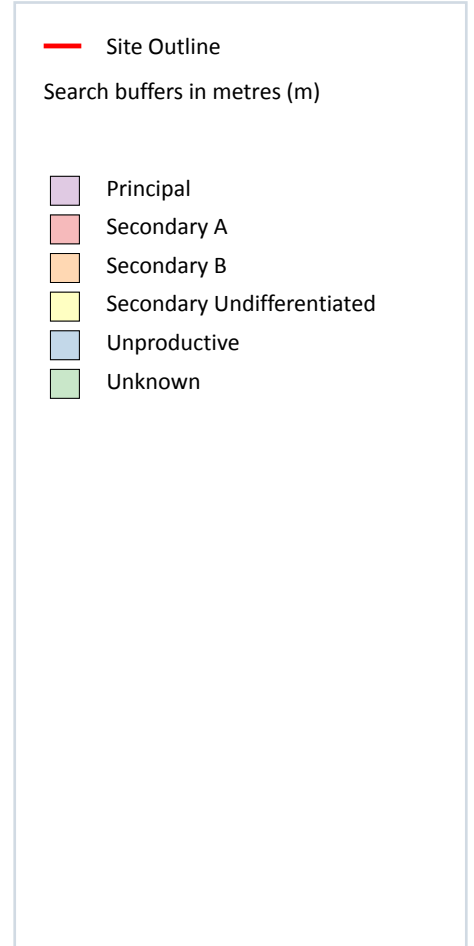
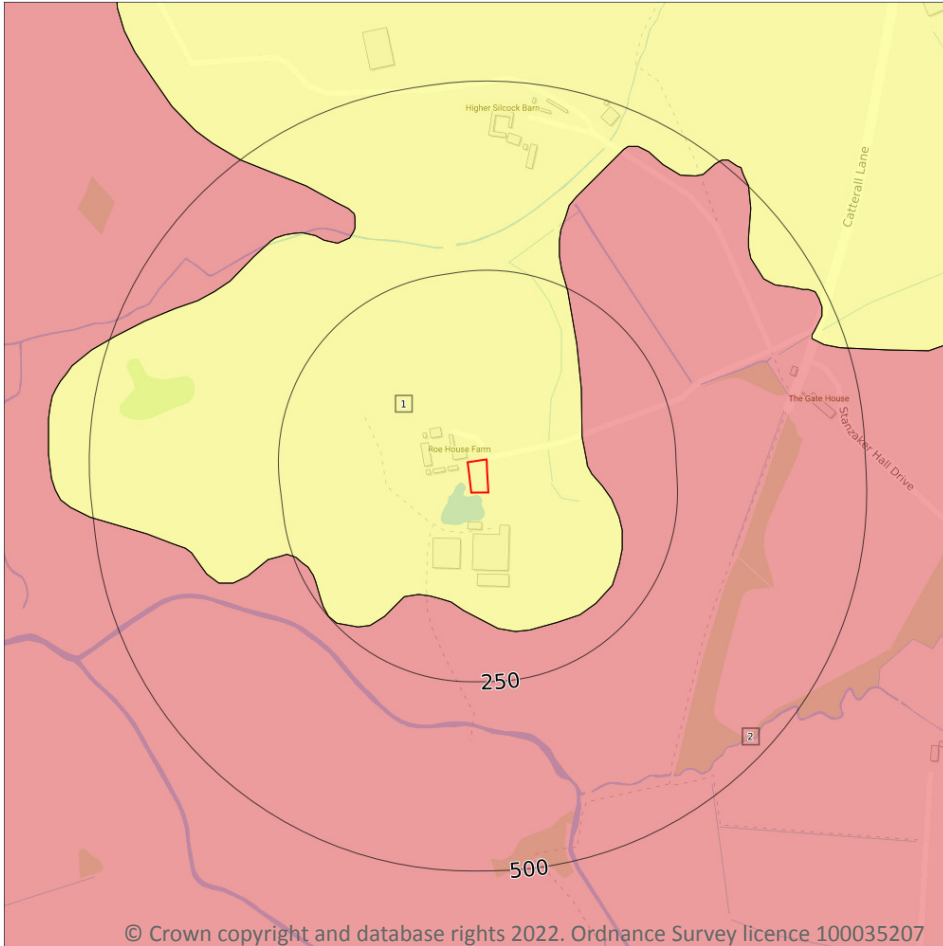
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 5 Hydrogeology - Superficial aquifer



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### 5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 26**

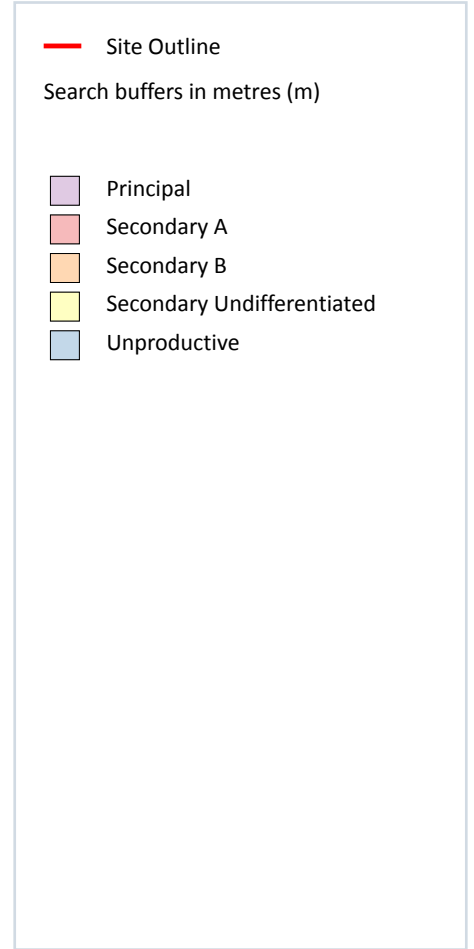
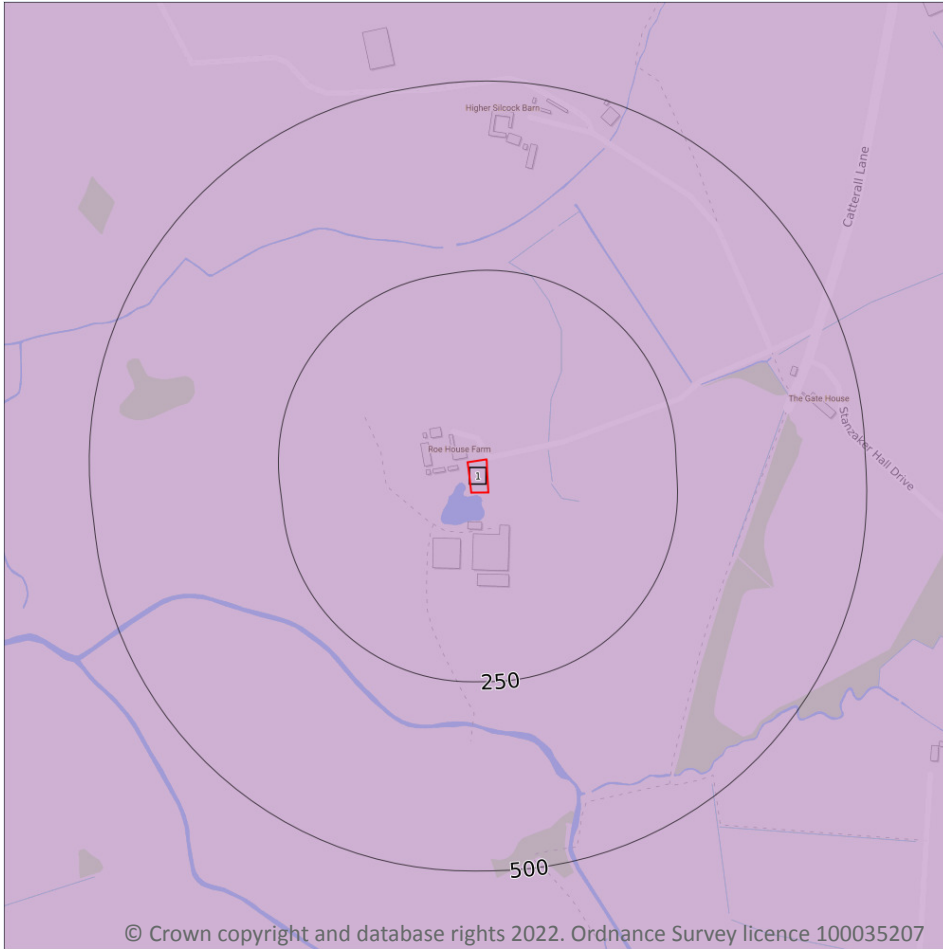
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	130m E	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

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





## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

1

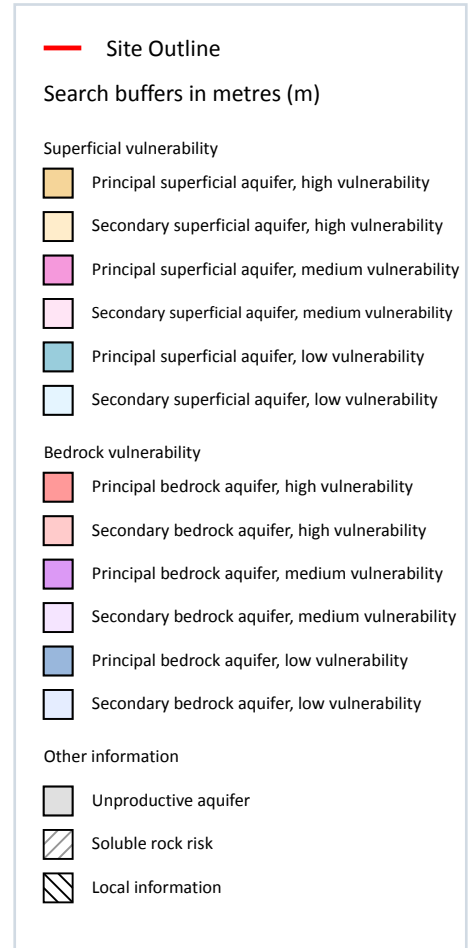
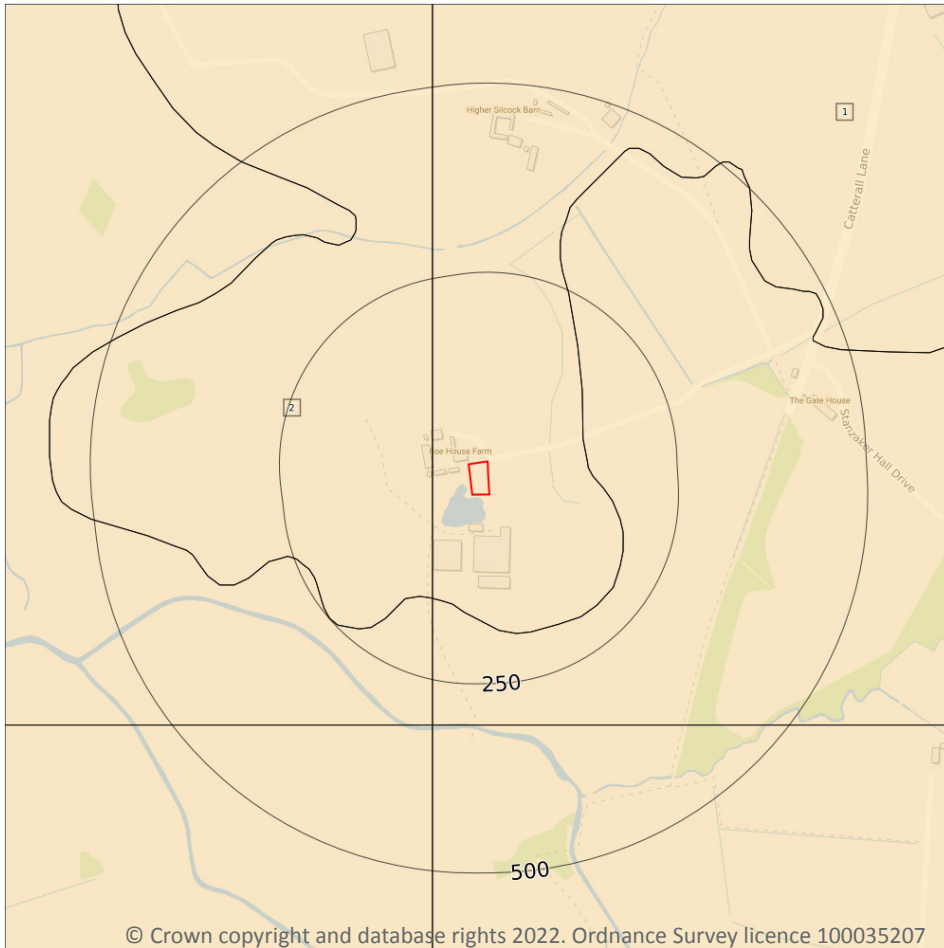
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 28**

ID	Location	Designation	Description
1	On site	Principal	<b>Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers</b>

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

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 29**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Thickness: &gt;10m</b> <b>Patchiness value: &gt;90%</b> <b>Recharge potential: High</b>	<b>Vulnerability: Low</b> <b>Aquifer type:</b> Principal <b>Flow mechanism:</b> Mixed
2	47m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Principal Flow mechanism: Mixed

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

## 5.4 Groundwater vulnerability- soluble rock risk

<b>Records on site</b>	<b>0</b>
------------------------	----------

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

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

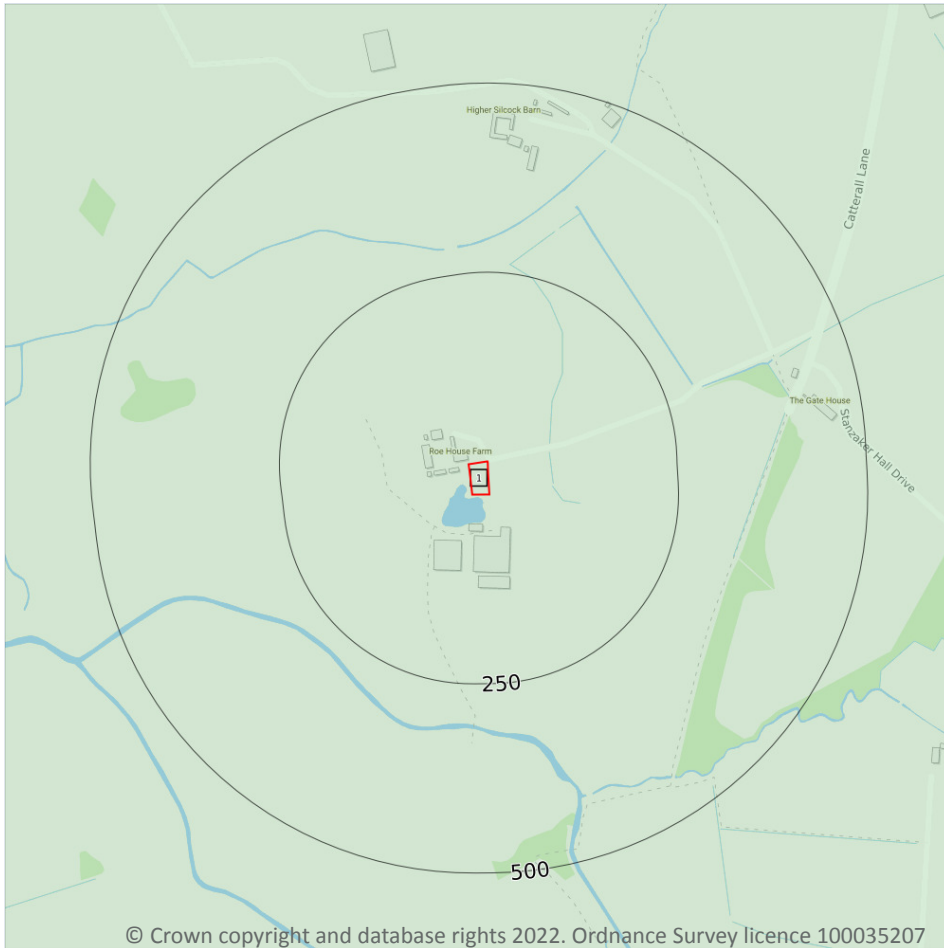
## 5.5 Groundwater vulnerability- local information

<b>Records on site</b>	<b>0</b>
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk).

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

## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

21

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 31**

ID	Location	Details	
-	999m SE	Status: Historical Licence No: 2672408037 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT LIGHT ASH FARM, BILSBORROW, PRESTON" Data Type: Point Name: MARSDEN Easting: 348500 Northing: 440400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 03/02/1995 Expiry Date: - Issue No: 100 Version Start Date: 25/05/1995 Version End Date: -
-	999m SE	Status: Active Licence No: 2672408037 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT LIGHT ASH FARM, BILSBORROW, PRESTON Data Type: Point Name: MYERSCOUGH COLLEGE Easting: 348500 Northing: 440400	Annual Volume (m <sup>3</sup> ): 16,592.90 Max Daily Volume (m <sup>3</sup> ): 45.46 Original Application No: 5461 Original Start Date: 03/02/1995 Expiry Date: - Issue No: 101 Version Start Date: 26/11/2018 Version End Date: -
-	1493m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 1 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS M5 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1493m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE PART OF FRANKLAW A GROUP NUMBER M5 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442200	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -





ID	Location	Details	
-	1577m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 1 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS M6 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349400 Northing: 442200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1577m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE PART OF FRANKLAW A GROUP NUMBER M6 Data Type: Point Name: United Utilities Water Ltd Easting: 349400 Northing: 442200	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: "8 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS L3 & 4,M1-6 #5" Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: "8 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS L3 & 4,M1-6 }9" Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -

ID	Location	Details	
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS M1 & M2 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 8 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS L3 & 4,M1-6 }9 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 8 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS L3 & 4,M1-6 #5 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 8 PART OF FRANKLAW A GROUP NUMBER L3 L4 M1 TO 6 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -

ID	Location	Details	
-	1616m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 8 PART OF FRANKLAW A GROUP NUMBERS L3 L4 M1 TO 6 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1616m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS M1 AND M2 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1693m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS M3 & M4 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349400 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1693m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS M3 AND M4 Data Type: Point Name: United Utilities Water Ltd Easting: 349400 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -

ID	Location	Details	
-	1736m E	Status: Historical Licence No: 2672408015 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS L1 & L2 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349800 Northing: 441100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1995 Version End Date: -
-	1736m E	Status: Active Licence No: 2672408015 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS L1 AND L2 Data Type: Point Name: United Utilities Water Ltd Easting: 349800 Northing: 441100	Annual Volume (m <sup>3</sup> ): 5,232,000 Max Daily Volume (m <sup>3</sup> ): 34,000 Original Application No: 7074 Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1995 Version End Date: -
-	1736m E	Status: Active Licence No: 2672408015 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: ID=10683 Data Type: Point Name: United Utilities Water Ltd Easting: 349800 Northing: 441100	Annual Volume (m <sup>3</sup> ): 5,232,000 Max Daily Volume (m <sup>3</sup> ): 34,000 Original Application No: 7074 Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1995 Version End Date: -
-	1836m E	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS L3 & 4 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349900 Northing: 441100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -

ID	Location	Details	
-	1836m E	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS L3 AND 4 Data Type: Point Name: United Utilities Water Ltd Easting: 349900 Northing: 441100	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -

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

## 5.7 Surface water abstractions

### Records within 2000m

4

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 31**

ID	Location	Details	
-	1350m W	Status: Active Licence No: NW/072/0412/001 Details: Make-Up Or Top Up Water Direct Source: Surface, Non-Tidal - North West Region Point: R WYRE AT ST.MICHAELS-ON-WYRE Data Type: Point Name: Lodge Holdings Easting: 346698 Northing: 441304	Annual Volume (m <sup>3</sup> ): 15,000 Max Daily Volume (m <sup>3</sup> ): 261 Original Application No: NPS/WR/020573 Original Start Date: 31/05/2013 Expiry Date: 31/03/2030 Issue No: 2 Version Start Date: 26/11/2018 Version End Date: -
-	1448m W	Status: Historical Licence No: 2672407004 Details: Fish Farm/Cress Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: R WYRE AT ST.MICHAELS-ON-WYRE Data Type: Point Name: MR R S SMITH & MRS C A SMITH Easting: 346600 Northing: 441400	Annual Volume (m <sup>3</sup> ): 20457 Max Daily Volume (m <sup>3</sup> ): 436.416 Original Application No: - Original Start Date: 18/01/1988 Expiry Date: 31/03/2013 Issue No: 102 Version Start Date: 17/04/2007 Version End Date: -





ID	Location	Details	
-	1894m NE	Status: Historical Licence No: 2672407005 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "R WYRE AT CATTERALL,GARSTANG" Data Type: Point Name: ECOLLINSON & COMPANY LTD Easting: 349000 Northing: 443000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/03/1989 Expiry Date: - Issue No: 100 Version Start Date: 15/05/1992 Version End Date: -
-	1894m NE	Status: Historical Licence No: 2672407005 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: R WYRE AT CATTERALL,GARSTANG Data Type: Point Name: ECOLLINSON & COMPANY LTD Easting: 349000 Northing: 443000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/03/1989 Expiry Date: - Issue No: 100 Version Start Date: 15/05/1992 Version End Date: -

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

## 5.8 Potable abstractions

### Records within 2000m

19

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 31**

ID	Location	Details	
-	1493m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 1 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS M5 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -



ID	Location	Details	
-	1493m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE PART OF FRANKLAW A GROUP NUMBER M5 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442200	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1577m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 1 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS M6 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349400 Northing: 442200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1577m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE PART OF FRANKLAW A GROUP NUMBER M6 Data Type: Point Name: United Utilities Water Ltd Easting: 349400 Northing: 442200	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: "8 BOREHOLES(PART OF FRANKLAW`A` GRP)- NOS L3 & 4,M1-6 #5" Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -

ID	Location	Details	
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: "8 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS L3 & 4,M1-6 }9" Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS M1 & M2 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 8 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS L3 & 4,M1-6 }9 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1616m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 8 BOREHOLES(PART OF FRANKLAW`A' GRP)-NOS L3 & 4,M1-6 #5 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -

ID	Location	Details	
-	1616m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 8 PART OF FRANKLAW A GROUP NUMBER L3 L4 M1 TO 6 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1616m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 8 PART OF FRANKLAW A GROUP NUMBERS L3 L4 M1 TO 6 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1616m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS M1 AND M2 Data Type: Point Name: United Utilities Water Ltd Easting: 349300 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1693m NE	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS M3 & M4 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349400 Northing: 442400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -

ID	Location	Details	
-	1693m NE	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS M3 AND M4 Data Type: Point Name: United Utilities Water Ltd Easting: 349400 Northing: 442400	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -
-	1736m E	Status: Historical Licence No: 2672408015 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS L1 & L2 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349800 Northing: 441100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1995 Version End Date: -
-	1736m E	Status: Active Licence No: 2672408015 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS L1 AND L2 Data Type: Point Name: United Utilities Water Ltd Easting: 349800 Northing: 441100	Annual Volume (m <sup>3</sup> ): 5,232,000 Max Daily Volume (m <sup>3</sup> ): 34,000 Original Application No: 7074 Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1995 Version End Date: -
-	1736m E	Status: Active Licence No: 2672408015 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: ID=10683 Data Type: Point Name: United Utilities Water Ltd Easting: 349800 Northing: 441100	Annual Volume (m <sup>3</sup> ): 5,232,000 Max Daily Volume (m <sup>3</sup> ): 34,000 Original Application No: 7074 Original Start Date: 27/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1995 Version End Date: -



ID	Location	Details	
-	1836m E	Status: Historical Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: 2 BOREHOLES(PART OF FRANKLAW`A` GRP)-NOS L3 & 4 Data Type: Point Name: UNITED UTILITIES WATER PLC Easting: 349900 Northing: 441100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 05/10/1995 Version End Date: -
-	1836m E	Status: Active Licence No: 2672408020 Details: Potable Water Supply - Direct Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 PART OF FRANKLAW A GROUP NUMBERS L3 AND 4 Data Type: Point Name: United Utilities Water Ltd Easting: 349900 Northing: 441100	Annual Volume (m <sup>3</sup> ): 11,235,000 Max Daily Volume (m <sup>3</sup> ): 39,000 Original Application No: 7074 Original Start Date: 21/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 26/11/2018 Version End Date: -

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

## 5.9 Source Protection Zones

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on **page 31**

ID	Location	Type	Description
1	On site	3	Total catchment

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

## 5.10 Source Protection Zones (confined aquifer)

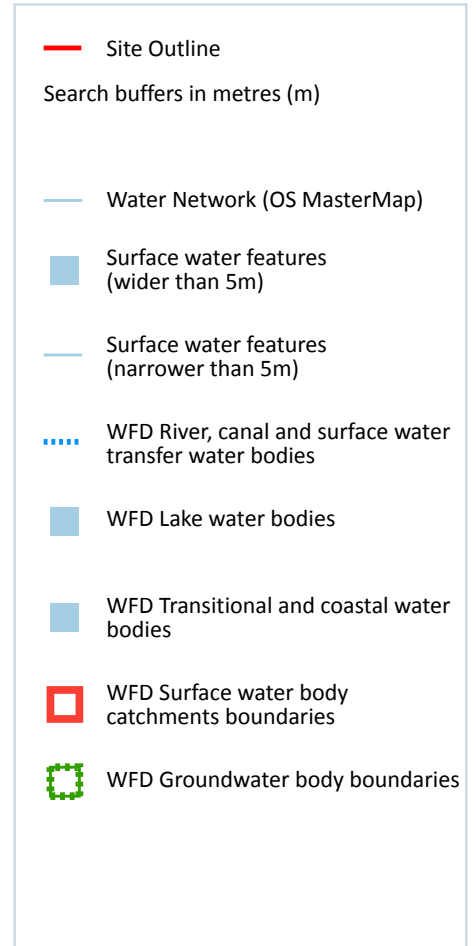
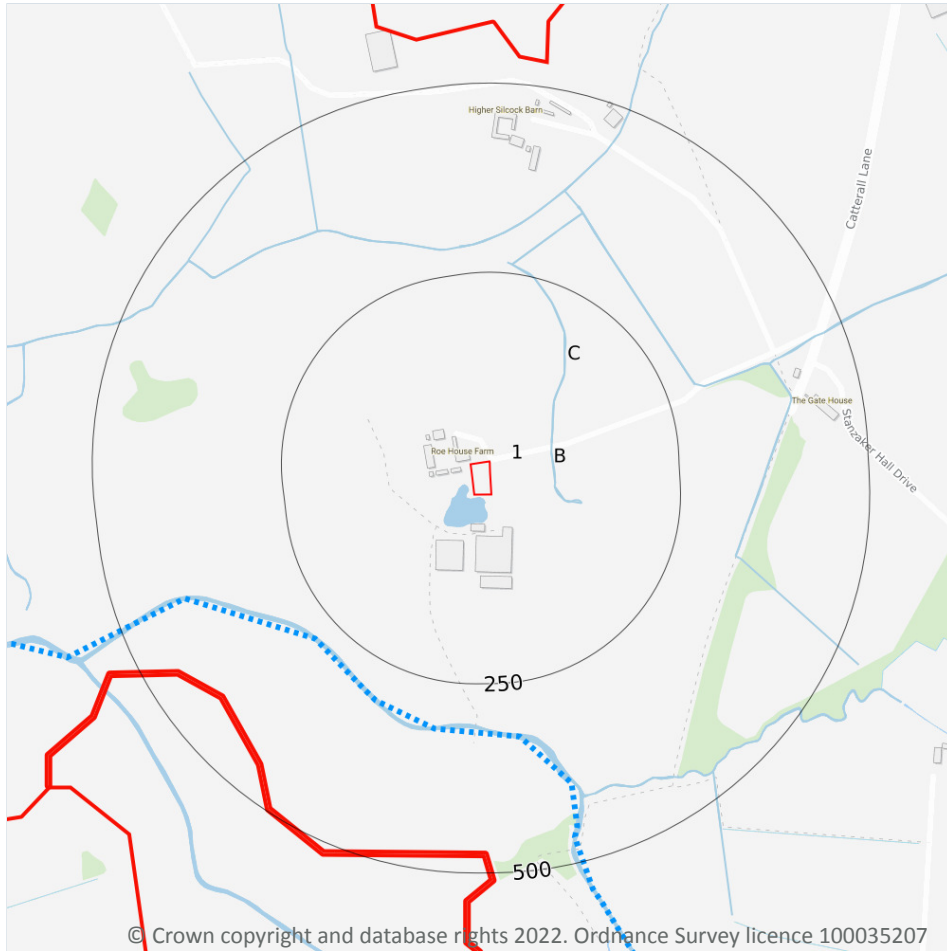
<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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



## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

5

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

Features are displayed on the Hydrology map on **page 44**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	82m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	82m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	84m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	84m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	85m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

<b>Records within 250m</b>	<b>4</b>
----------------------------	----------

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 44**

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

<b>Records on site</b>	<b>1</b>
------------------------	----------

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 44**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Brock	GB112072065810	Brock and Trib	Wyre

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



## 6.4 WFD Surface water bodies

**Records identified**

**1**

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 44**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
6	283m SW	River	Brock	<a href="#">GB112072065810</a>	Moderate	Fail	Moderate	2019

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

## 6.5 WFD Groundwater bodies

**Records on site**

**1**

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

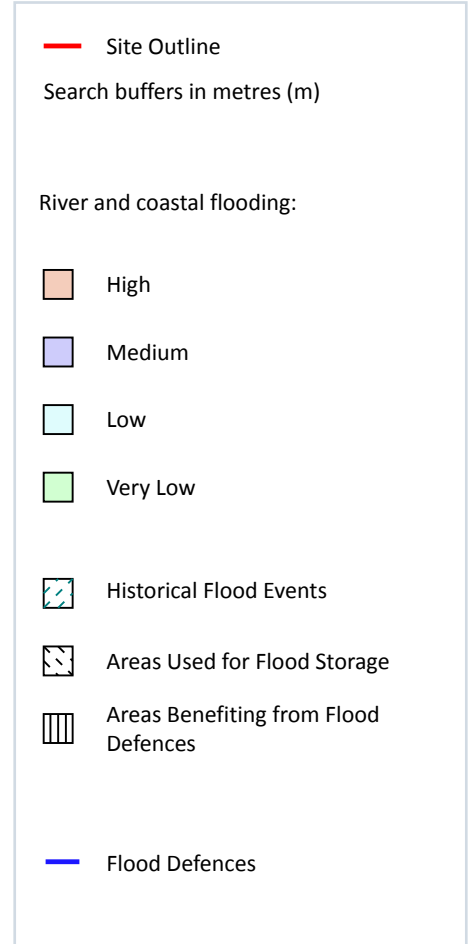
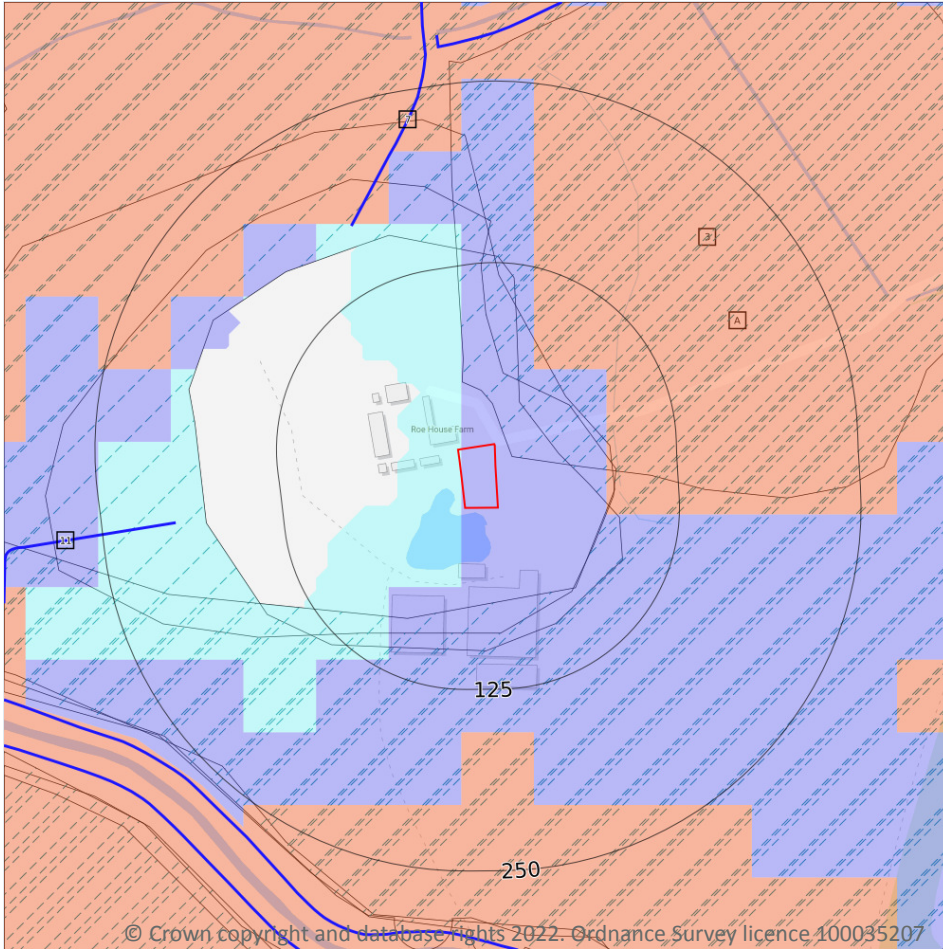
Features are displayed on the Hydrology map on **page 44**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Fylde Permo-Triassic Sandstone Aquifers	<a href="#">GB41201G100500</a>	Poor	Good	Poor	2019

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



## 7 River and coastal flooding



### 7.1 Risk of flooding from rivers and the sea

#### Records within 50m

2

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 47**

Distance	Flood risk category
<b>On site</b>	<b>Medium</b>
0 - 50m	Medium

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

## 7.2 Historical Flood Events

Records within 250m	4
---------------------	---

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

Features are displayed on the River and coastal flooding map on **page 47**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
3	8m E	Broc	1995-01-31 1995-02-01	Main river	Other	Fluvial
A	31m NE	Wyre	1980-10-23 1980-10-24	Main river	Overtopping of defences	Fluvial
A	47m NE	Wyre	1980-11-21 1980-11-22	Main river	Overtopping of defences	Fluvial
A	59m NE	Wyre	1980-10-27 1980-10-28	Main river	Overtopping of defences	Fluvial

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

## 7.3 Flood Defences

Records within 250m	2
---------------------	---

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

Features are displayed on the River and coastal flooding map on **page 47**

ID	Location	Update
7	171m NW	27/05/2022



ID	Location	Update
11	199m W	27/05/2022

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

## 7.4 Areas Benefiting from Flood Defences

**Records within 250m**

**0**

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

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

## 7.5 Flood Storage Areas

**Records within 250m**

**0**

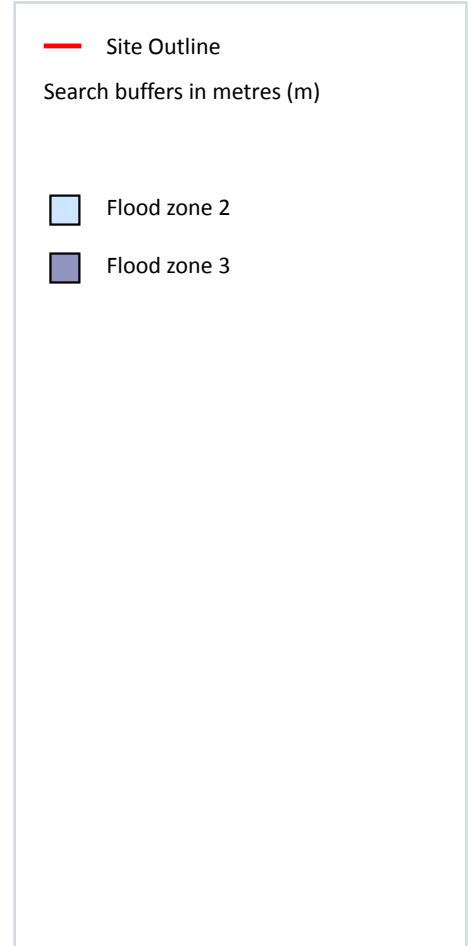
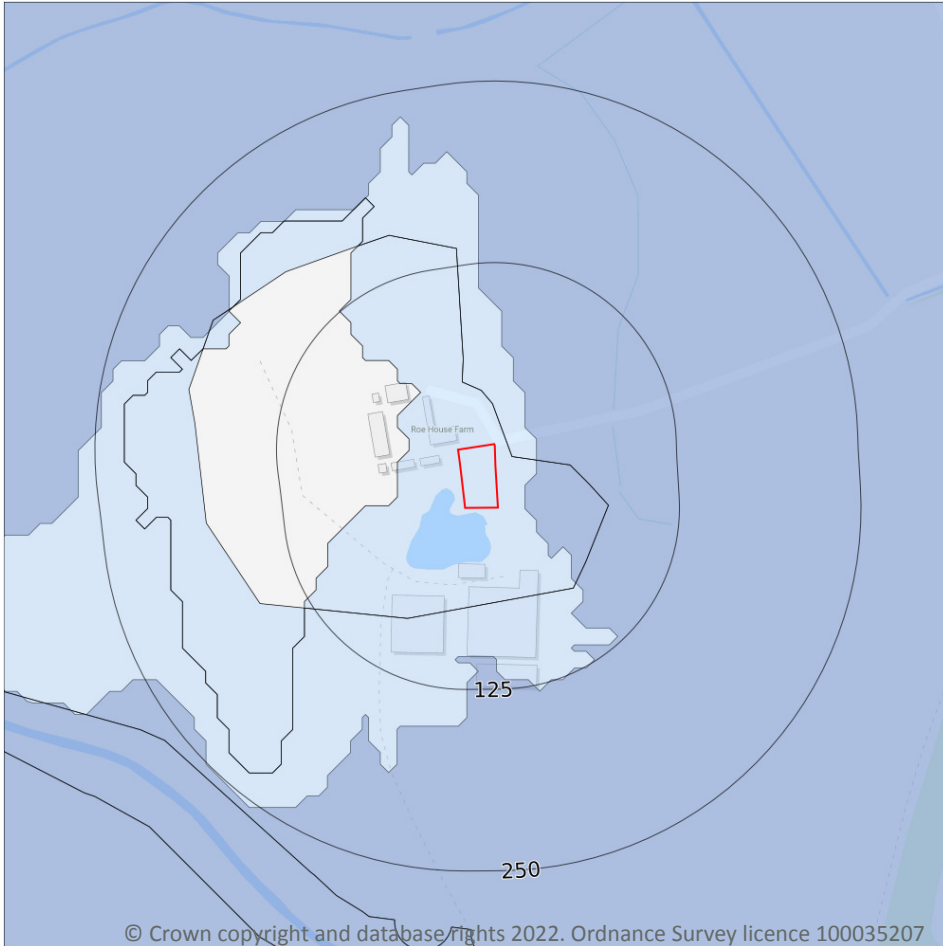
Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

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





## River and coastal flooding - Flood Zones



### 7.6 Flood Zone 2

Records within 50m

1

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

Features are displayed on the River and coastal flooding map on **page 47**

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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

## 7.7 Flood Zone 3

Records within 50m

1

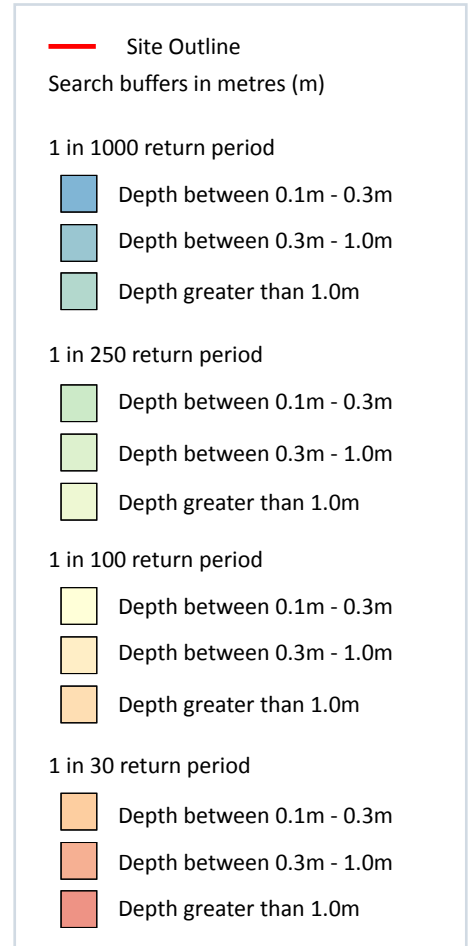
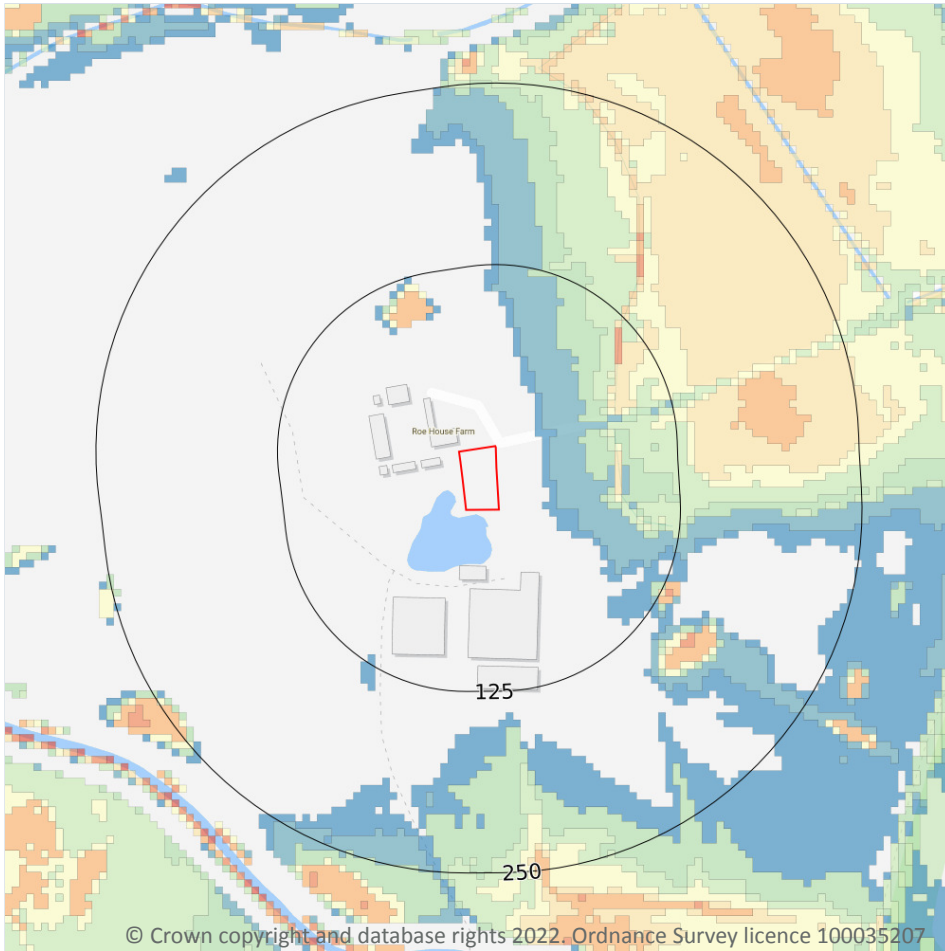
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 47**

Location	Type
19m E	Zone 3 - (Fluvial Models)

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

## 8 Surface water flooding



### 8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 1000 year, 0.3m - 1.0m

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 52**

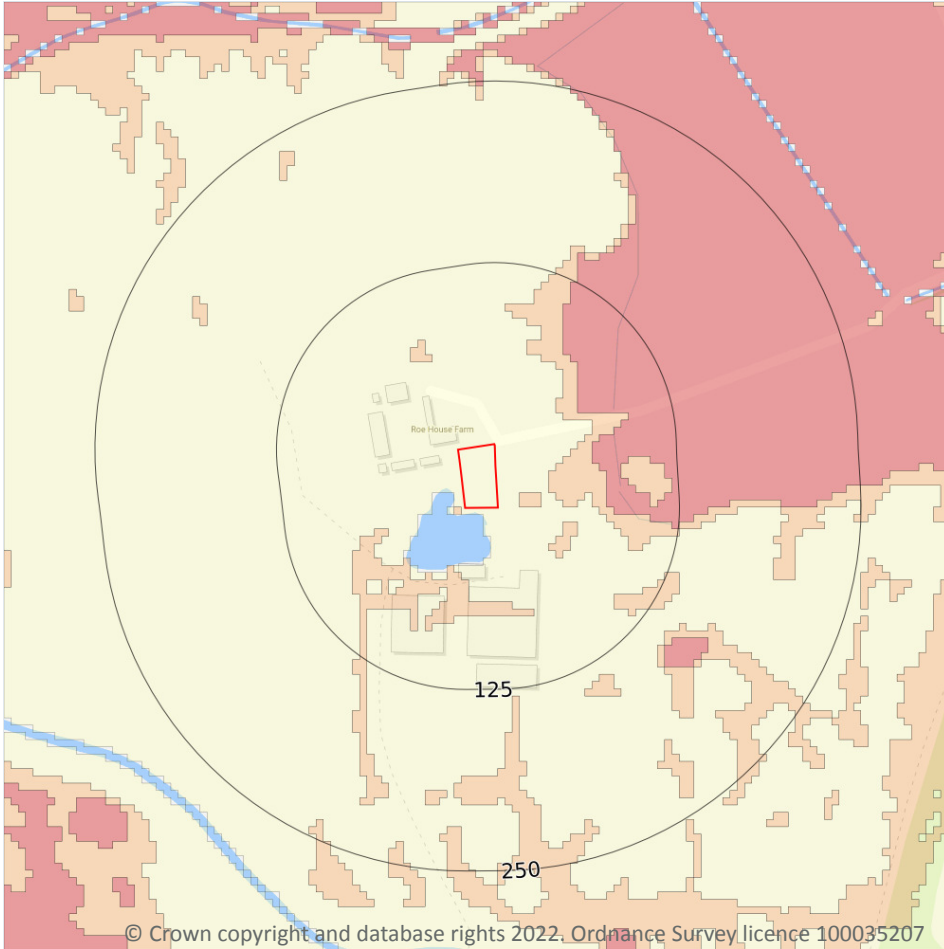
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

*This data is sourced from Ambiental Risk Analytics.*

## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

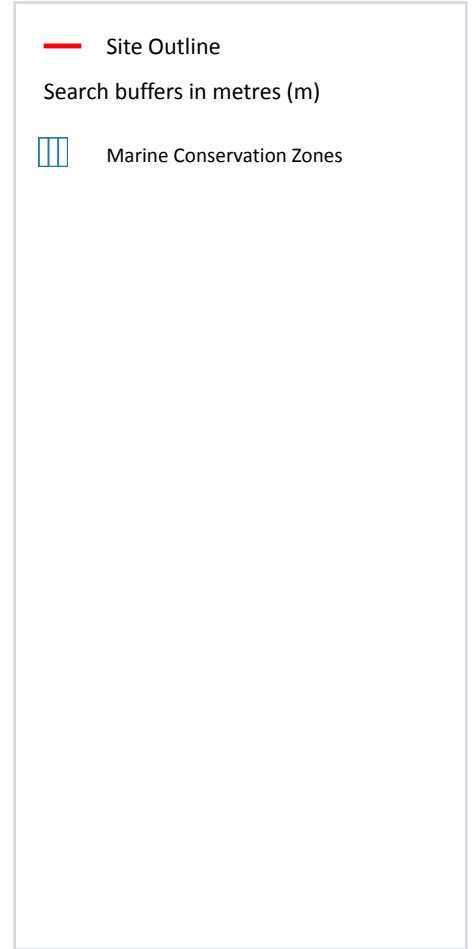
Moderate-High

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 54**

*This data is sourced from Ambient Risk Analytics.*

## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

Records within 2000m

0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

0

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*



## 10.10 Marine Conservation Zones

Records within 2000m

1

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

Features are displayed on the Environmental designations map on **page 55**

ID	Location	Name	Status
-	1739m W	Wyre-Lune	Designated

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

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



## 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

Records within 2000m

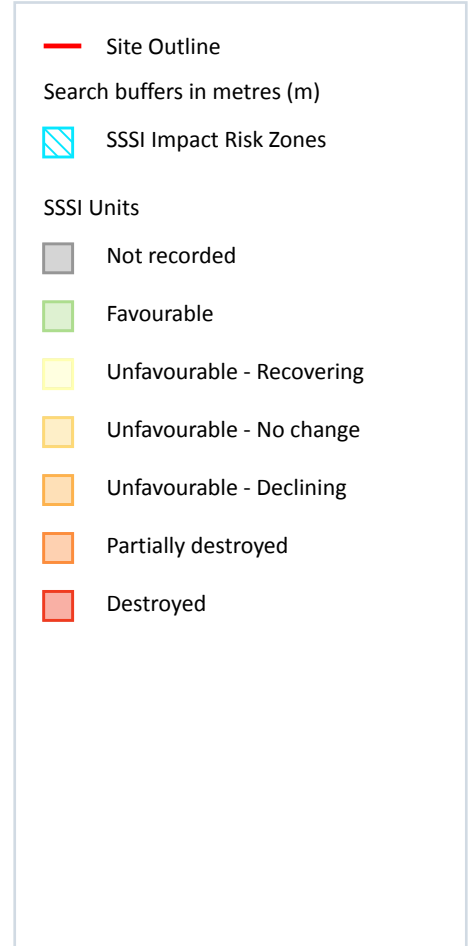
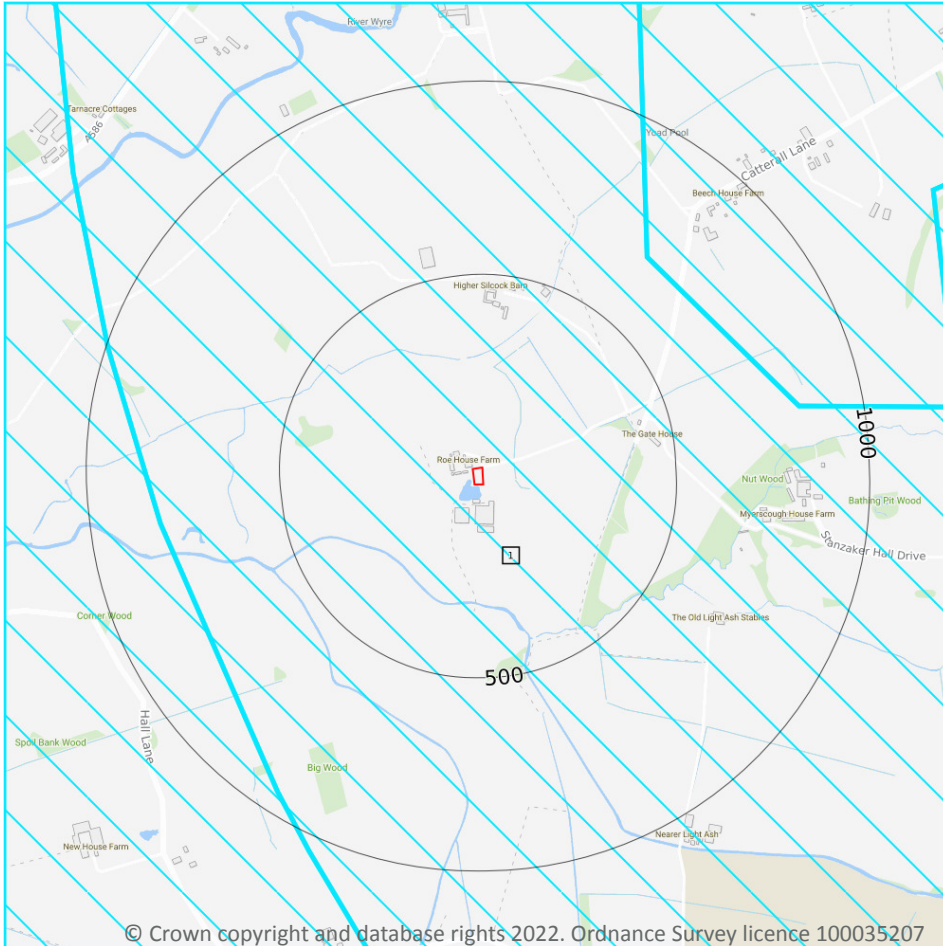
0

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

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



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 60**

ID	Location	Type of developments requiring consultation
1	On site	<p><b>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</b></p> <p><b>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</b></p> <p><b>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil &amp; gas exploration/extraction.</b></p> <p><b>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</b></p> <p><b>Residential - Residential development of 10 units or more.</b></p> <p><b>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</b></p> <p><b>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</b></p> <p><b>Combustion - General combustion processes &gt;50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

Records within 2000m

0

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

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





## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

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

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

### 11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



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

## 11.5 Conservation Areas

**Records within 250m**

**0**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

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

## 11.6 Scheduled Ancient Monuments

**Records within 250m**

**0**

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

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

## 11.7 Registered Parks and Gardens

**Records within 250m**

**0**

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

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