Phase I Environmental Assessment (Desk Study)

Alston Dairy
Alston Lane
Preston
PR3 3BN

For

James Hall & Co (Properties) Ltd

April 2022

22/1269.1.1

Geo² Remediation Limited

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Report ref no. 22/1269.1.1

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Appendices

Revision Log

Issue	Date	Revision
1	06/04/2022	First issue

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1.0 Introduction

Geo^2 Remediation Limited was commissioned by James Hall & Co (Properties) Ltd to conduct a Phase I Environmental Assessment of a site known as Alston Dairy, located off Alston Lane, Preston, PR3 3BN. The site is approximately 2.96 hectares in area and located at grid reference 360190, 435510.

The study has been undertaken prior to potential purchase of the site.

The Phase I Environmental Assessment consisting of a desk study and site walkover was conducted to establish evidence of potential contamination, if any, resulting from the site's past and current land use as a farm and dairy. The desk study was also undertaken to identify possible sensitive receptors within the locality of the site that may be at risk.

2.0 Site Reconnaissance

2.1. Site's Use and Location

The site is situated approximately 1.7km south of Longridge and 8.5km northeast of Preston. The site boundary has altered slightly since the Envirocheck report has been ordered for the site. Figure 1 in Appendix A shows the location of the site, with the current site boundary depicted by the shaded area in Figure 2, included below and contained within Appendix A.

Figure 2. Updated site boundary, shown with black line and shading

The site is bound by Pinfold Lane to the north, Preston Rd (B6243) to the west, residential houses and Bolton Fold Farm to the south and a residential house and farmland to the east.

A site walkover was undertaken on 31st March 2022, with a photographic survey included in Appendix B. The site walkover findings are detailed below.

2.2. Site Walkover

The site is predominantly occupied by a large agricultural field in the central, eastern and northern areas of the site (Photos 1-3), with the remnants of a stone cross located in the northwest corner (Photo 3). Gated access to this field is from Pinfold Lane in the northwest corner (Photo 1) and also a gate on Preston Rd, north of the entrance to Alston Dairy.

A gas pipeline is understood to traverse across the northern area of the site, generally aligned east-west, with markers showing its location on either side of Preston Rd, just north of the entrance to Alston Dairy (Photo 4). The Envirocheck report records this as a 900mm pipe which extends from Grayrigg to Samlesbury over a distance of 81.39km.

A smaller elongated field is present along the western boundary (Photos 15 and 16), with an electrical substation in the south-western corner (Photo 15). This substation provides for the Dairy only, constructed circa 2018 when the Dairy was extended.

The fields are separated by a concrete driveway, allowing access to the Dairy from Preston Rd (Photo 5). At the time of the site walkover, a water pipe is evident from the farm buildings east of the site (Photo 6), crossing the fields to a water trough on the western boundary. This water pipe is culverted beneath the concrete driveway (Photo 7).

Buildings associated with Alston Dairy are located in the southeast corner, with a gravel car park north of the buildings (Photo 8). The Dairy comprises two large buildings, with the southern building (Photo 9) constructed in 1999 and the building extended in 2018 (Photo 10).

To the south of the main Dairy are stone buildings which were a part of the original Bolton Fold Farm. In this area is an underground attenuation tank for waste water (Photo 11), two steam boilers within a wood panelled outhouse (Photo 12) and a small above ground diesel tank (Photo 13) which feeds the boiler house.

A diesel tank, used for fuelling HGVs is located in the southwestern corner of the site (Photo 14). This is housed within a green container, with the tank understood to be above ground and bunded.

A passageway is located to the east of the Dairy buildings, separating the Dairy from Bolton Fold Farm to the east (Photos 17-28). This passageway has concrete hardstanding and includes the following features:

- Bin store area (Photo 17)
- Elevated pipework which allows milk to flow from the Farm to the Dairy (Photo 18)
- A second underground tank for waste water, with a metal cover (Photos 19-20)
- Refrigeration units, with associated boiler house and above ground diesel tank (Photos 21, 23 and 24 respectively)
- Water tower, generator and pump house (Photos 25-27)
- Storage of old / spare refrigeration units (Photo 28)

A silo, marked on historical mapping as a ‘tank’ and related to the farm is located south of the Dairy’s boundary (Photo 29).

An area of soft landscaping in front of (west of) the Dairy extension building includes a stone structure which contains a water borehole (Photo 30). This borehole is used to supply the farm only. An outdoor tap is also located in the grassed area.

No evidence of spills or leaks were observed around the 3no above ground diesel tanks, which were observed to be in good condition. No other visual or olfactory evidence of contamination was observed during the site walkover of the Dairy site.

2.3. Surrounding Land Uses

The surrounding land uses are summarised in Table 1. The surrounding land use is predominantly agricultural.

Direction	Land use
North	Pinfold Lane, with agricultural land beyond.
East	Agricultural lane east of the field. East of the Dairy are farm buildings with slurry pit (130m east). Residential property (Fair View) located 30m from north-eastern corner
West	Preston Rd (B6243), residential properties and a restaurant beyond. Daniel's Farm and agricultural land west of the houses.
South	Residential properties south of the southwest corner, Bolton Fold Cottage and Bolton Fold Farm south of the site, with fields beyond. Mapping shows Bolton Fold has a water well and a slurry pit. .

Table 1. Land uses in the Surrounding Area

3.0 Desk Study

Information regarding the environmental setting of the site was obtained from the Envirocheck report, which collated information from variety of sources and also from a site walkover undertaken on 30th March 2022. A copy of the Envirocheck report is presented in Appendix C, with a photographic record from the site walkover included in Appendix B.

Where indicated in the following sections, the data from the Envirocheck report has been supplemented with additional information obtained from freely available on-line data.

3.1 Site Geology

The BGS 1:50,000 Geology map for Garstang (Map Sheet No 067) contained within Appendix B indicates that the site is directly underlain by bedrock of the Warley Wise Grit comprising sandstone and pebbly sandstone; sedimentary bedrock formed approximately 328 to 329 million years ago in the Carboniferous Period.

The BGS Geology map indicates that the superficial deposits underlying the site consists of Devensian Till Deposits comprising clay formed up to 2 million years ago in the Quaternary Period.

A review of available borehole logs on the online interactive BGS mapping tool does not record depth to bedrock within 1km of the site, with boreholes terminated at 5m.

The site has no to very low hazard regarding the potential for ground stability hazards including collapsible ground, compressible ground, ground dissolution, landslide, running sand and shrinking and swelling clays.

There are no BGS Recorded Mineral Sites within 1,000m of the site.

The site is not within an area which may be affected by coal mining activity.

The site lies within a lower probability radon area (less than 1% of homes are at or above the action level). No radon protection measures are needed for the construction of new dwellings at the site.

3.2 Site Hydrogeology

The bedrock beneath the site is classified as a Secondary A Aquifer described by the Environment Agency as 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.

The superficial deposits underlaying the site are defined as a Secondary Undifferentiated Aquifer which is described by the Environment Agency as aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type. These have only a minor value.

The site is not situated within a Source Protection Zone (SPZ). There are no groundwater abstraction points within 1km, although it should be noted that mapping displays a well at Bolton Fold Farm to the south. It should also be noted that anecdotal evidence supplied during the site walkover shows a borehole is located on the site (Photo 30), which is used by the farm only. No other information about this borehole regarding the depth or volume of water extracted has been provided at this time.

The groundwater beneath the site in the combined productive bedrock and productive superficial aquifers has been classed as low vulnerability.

3.3 Site Hydrology

The nearest surface water is a natural drain which issues and then sinks 32m north of the site, flowing southwards.

There are no surface water abstraction points present within 1km of the site.

There are four recorded discharge consents within 500m of the site. The nearest of these is a domestic use for sewage discharge at Pinfold Barn 137m northeast.

There have been six recorded Pollution of Controlled Waters incidents that have occurred within 500m of the site during the 1990s. The closest of these was located 32m southeast of the site and relates to a Category 3 – minor incident in 1999.

3.4 Waste

There are no records of historical landfill sites within 1km of the site.

There are no records of potentially infilled land (non-water) within 1km of the site.

While there are seven records of potentially infilled land (water) within 1000m of the site, all are located 539-914m from the side and therefore considered to be too far a distance as to impact the site.

3.5 Other Potentially Contaminative Land Uses

There is one ‘public infrastructure’ point of interest within 1km of the site, the slurry pit. This is mapped as 85m southeast from the centre of the site. Historical mapping shows it was constructed circa 2013-2018, implying modern building practises and a low risk for contamination.

3.6 Other Receptors.

There are no other sensitive land uses within 500m of the site.

4.0 Site History

Details regarding the historical development of the site, its immediate surroundings and any potentially contaminative land uses in the vicinity were obtained from a review of Envirocheck report and publicly available online materials.

Copies of the maps are presented in the Appendix B and a summary is provided in Table 2 below. All distances are approximate and are relative to the site, unless otherwise stated.

Date	Onsite	Offsite
1847	The site is generally an undeveloped parcel of land. Remains of a Stone Cross are mapped in the northern corner of the site. A small pond exists in the centre of the site. There may be a small building in or close to the southern-most part of the site.	The site is situated in a rural area, with small ponds mapped in the majority of fields, including two close to the eastern boundary. The site is bound by Preston Rd to the west and Pinfold Lane to the north; Bolton Fold Farm to the south and undeveloped/agricultural land beyond and to the east.
1893-1914	The site remains unchanged, with the building associated with Bolton Fold Farm now clearly shown in the southern point of the site. The pond is no longer mapped in the centre of the site.	The surrounding land use remains relatively unchanged. Alston Reservoir has been constructed from 250-750m northeast. By 1913, Alston New Reservoir has been constructed 500-1000m north. A well is mapped to the south, at Bolton Fold Farm at this time.
1932-1994	Mapping from the 1960s shows a pond on the north-eastern boundary encroaches into site.	Fair View residential property is constructed 30m from the north-eastern boundary of the site by 1932.
2001-2006	Aerial mapping shows the site has been developed, with a new large square building constructed in the southern area of the site, north of the existing buildings.	South and east of the site, Bolton Fold Farm has been extended, with all new farm buildings constructed.
2013-2018	By 2018, the building has been extended northwards, almost doubling in size. It is understood to be Alston Dairy. A hard-standing car park is located north of the extension. The site remains unchanged.	Bolton Fold Farm undergoes further extension, including the construction of a slurry pit approx. 85m southeast and a silo within 20m of the south-eastern boundary.
2020	An electrical substation is constructed in the south-western corner of the site	No significant changes.

Table 2. Summary of historical maps

The site's historical use as a part of Bolton Fold Farm and then further developed as Alston Dairy circa 1999 which was then extended in 2018, are considered to present possible sources of contamination on site.

Made ground associated with the construction of buildings in the southern area of the site, infilling of a pond in the centre of the site and associated with the industrial use of the southern area of the site as a Dairy may act as a potential source of ground gas.

Three above ground tanks containing diesel are located in the southwest corner, southern boundary and southwest boundary. These tanks, as well as the electrical sub-station in the southwest corner and slurry pit off site to the southeast could potentially act as sources of contamination. However, these have all either been constructed since 2018 or displayed no signs of leaks or spills and so are considered to present a low risk of contamination due to good building practises and maintenance.

No other offsite sources of potentially significant contamination have been identified.

5.0 Hazard Identification

UK legislation and guidance on assessing potentially contaminated land recommends the use of a risk assessment process based on a review of source/pathway/receptor relationships for various environmental media. The first stage of any risk assessment is to identify, using the desk study data and site information, the presence and extent of any hazard at the site, theoretical or demonstrable.

A key component of the overall risk assessment process is identification of "significant contamination linkages" between contaminants and receptors. This can be accomplished through development of a site-specific conceptual model in which the potential contaminants, pathways and receptors identified on-site are described.

Each element can be defined as follows:

- **Contaminant source:** A substance either on or under the land and which has the potential to cause harm or pollution to human or environmental receptors.
- **Pathway:** A route or means by which a receptor can be exposed to or affected by a source.
- **Receptor:** A living organism or an ecological system or, controlled water, or property including buildings, crops and livestock.

The presence of all three of the above elements identifies a contamination linkage and a potentially unacceptable risk. To ensure that any risk present to, or, from the site can be appropriately managed each of these contamination linkages will be targeted by the investigation.

5.1 Contaminant Sources

- **Made Ground**

  The historical maps identified farm buildings on the southern boundary prior to 1847, with Alston Dairy then constructed to the north of these stone buildings in 1999. The Dairy was extended, and a car park established to the north by 2018. There is potential for significant thicknesses of made ground to be at the southern end of the site that could potentially act as a significant source of contamination due to its composition (eg ACMs from construction / alteration of historic farm building) or potential as a source of ground gas generation.

  There is potential for asbestos to have been used in the fabric of the historic buildings in the southern area of the site and south of the boundary in Bolton Fold Farm. As the current Dairy building was constructed circa 1999, it is anticipated that asbestos will not be present in the current building. However, as no asbestos assessment has been made on the building or made available for review, its presence cannot be ruled out.

- **Above Ground Tanks**

  Three above ground tanks containing diesel were recorded during the site walkover, located in the southwest corner, southern boundary and eastern boundaries. No leaks or spills were observed around the tanks, with the tank seen on the eastern boundary recorded as being in good condition. The tank in the southwest corner, located within a container is understood to be bunded.

- **Historical Pond**

  Historical mapping showed a small pond in the centre of the site in the 1840s, but no longer mapped by the 1890s. There is potential that the pond was infilled with unknown material.

Gassing potential from organic material in this feature is considered to be low taking into account the length of time since the pond was infilled.

- **Electrical Substation**

An electrical substation is located in the southwest corner. As it has been constructed in recent years, it is not considered to be a potential source for Polychlorinated Biphenyls (PCBs) which are associated with older sub-stations.

- **Bolton Fold Farm Infrastructure**

A slurry pit associated with Bolton Fold Farm is located 60-80m east. Similar to the electrical substation, this has been constructed in recent years and is not considered to present a significant risk of contamination due to anticipated good building practises.

5.2 Receptors or Points of Exposure

Potential receptors both on and offsite that could be affected by contamination hazards at the site are listed below:

- **Site Users**

The continued hardcover use of the southern area of the site, where made ground soils are anticipated, will effectively sever many pathways.

It is understood that the site will continue to operate as a dairy (commercial land use), with no planned change of use.

- **Neighbouring Site Users**

The immediate surrounding land use is predominantly agricultural, with Bolton Fold Farm to the south and southeast. Residential properties are located 30m east of the northern corner of the site, directly southwest of the site and on the opposite side of Preston Rd to the west.

The anticipated continued use of the site as a dairy, with no change of use, indicates no risk to neighbouring site users.

- **Surface Water**

The nearest surface water is a natural drain which issues and then sinks 32m north of the site, flowing southwards. A number of drains and streams are mapped within 200m of the site, all shown to be flowing southwards. Migration of any on-site contamination is therefore anticipated to flow southwards, with drains located 100m southeast and 250m south.

Migration to these features could occur via infiltration through the made ground or via surface water discharge. Any impact may affect the amenity of this resource, water quality or aquatic life and contravene the water framework directive. However, it is considered unlikely that historical activities on site will affect surface waters, taking into account limited land use on site, glacial till superficial deposits of low-porosity and the distance to the surface water receptors.

There are no surface water abstractions points within 1km.

- **Groundwater**

The underlying bedrock is classified as a Secondary A Aquifer, overlain by a Secondary Undifferentiated Aquifer within the glacial till superficial deposits.

The site is not located within a SPZ and the Envirocheck records no groundwater abstraction points within 1km.

However, the site walkover recorded an extraction borehole, located in an area of soft landscaping, west of the Dairy extension building. This is understood to supply Bolton Fold Farm only and is not a potable water supply.

- **Construction Workers**

If any groundworks are planned in the future, construction workers involved in works in Made Ground impacted areas may become directly exposed to contaminants. Any potential harm may easily be mitigated through the use of appropriate Personal Protective Equipment (PPE). This represents an easy and low-cost solution to any such hazard and as such it is not considered necessary to consider construction workers any further in this assessment.

5.3 Contamination Pathways

Potential pathways by which any identified contamination may manifest itself in the environment are as follows:

- **Exposure to harmful vapours, hazardous ground gas and tainting of water supply**

Volatile compounds may generate potentially harmful vapours which may accumulate within enclosed spaces on the site and pose a risk via inhalation to both site workers and future site users.

Shallow contamination or ground gases may migrate along, or within, water pipes or ducting, potentially providing a preferential pathway and permitting tainting of buried water pipes.

Exposure to contaminated material may lead to tainting of potable water supplies.

Taking into account that the onsite Dairy building was constructed circa 1999 and extended circa 2018, it is considered that good building practises have reduced the risk to current site users from ground gases.

- **Direct contact, inhalation and ingestion**

This may occur during future redevelopment works at the site which can be mitigated through the use of an appropriate health and safety plan. At present, this pathway is not considered to be active as the site is covered in hardstanding and no redevelopment plans are proposed.

5.4 Initial Contamination Linkages

All contamination linkages arising as a result of the interconnection of the contaminant source, contamination pathways and potential receptors detailed above are summarised in Table 3 below.

Linkage No.	Source	Pathway	Receptor
1	Potential localised contamination associated with infilled pond, historical operation of the southern area of the site as a farm, and then as a Dairy, and three above ground diesel tanks.	Leaching to groundwater followed by migration within the aquifer.	Surface water: drain 32m north, flowing south. Southern drains are from 100m
2			Underlying low vulnerability Secondary Undifferentiated Aquifer overlying a Secondary A Aquifer.
3		Exposure to harmful vapours, hazardous ground gas and tainting of water supply.	Current site users, Commercial land use to remain unchanged.
4			Neighbouring site users, principally within enclosed spaces.
5		Direct contact, inhalation of vapours and ingestion.	Current and future site users, principally within landscaped areas.

Table 3. Identified Contamination Linkages.

6.0 Risk Estimation

The objective of the qualitative risk assessment is to determine the significance of the risk, if any, which may occur as a result of the creation of pollutant linkages, which connect a potential receptor to an identified potential contaminant source at the site.

The perceived risk is based on a consideration of both the likelihood of an event (probability) occurring, and the severity of the potential consequence. Classification of these two factors is detailed in Appendix D.

6.1. Qualitative Risk Assessment

A qualitative risk assessment is undertaken in line with guidance provided in Guidance for the Safe Development of Housing on Land Affected by Contamination (EA / NHBC, 2008). The purpose of this assessment is to determine the relative significance of the identified contamination linkages by assessing the probability of an impact occurring and by assessing the perceived severity of an impact to a receptor.

Those linkages considered of low risk or less on the basis of the available site data will not be considered any further in this assessment. Linkages considered to be more significant are identified as presenting potentially unacceptable risk to the identified receptor. In these instances, further works may be considered necessary.

<table>
<tr><td rowspan="4">Linkage 1</td><td>Source-</td><td colspan="3">Potential localised contamination associated with made ground in an infilled pond and from historical developments across the southern area of the site and from three above ground diesel tanks.</td><td rowspan="2">Probability</td><td rowspan="2">Severity</td></tr>
<tr><td>Pathway-</td><td>Leaching of contaminants followed by vertical and horizontal migration of water</td><td>Receptor-</td><td>Surface water, with southern drains from 100m southeast</td></tr>
<tr><td colspan="3" rowspan="3">The southern area has contained farm buildings prior to 1847, with the Dairy then constructed and extended in 1999 and 2018 respectively. Made ground deposits associated with redevelopment phases could potentially contain contaminants, asbestos fibres and ACM.

Three above ground diesel tanks, observed to be in good condition with no visual or olfactory evidence of contamination, are located in the southern area of the site.

Contaminants may migrate through the subsurface contaminating the land beneath the site and then impacting surface water receptors 10m southeast.

However taking into account the limited land use, the underlying low porosity glacial till superficial deposits and the distance to surface water receptors, this linkage is considered to be Low risk.</td><td>Unlikely</td><td>Medium</td></tr>
<tr><td colspan="2">Classification</td></tr>
<tr><td colspan="2">Low Risk</td></tr>
</table>

Table 4a. Qualitative Risk Assessment – Surface Water Receptors

<table>
<tr><td rowspan="4">Linkage 1</td><td>Source-</td><td colspan="3">Potential localised contamination associated with made ground in an infilled pond and from historical developments across the southern area of the site and from three above ground diesel tanks.</td><td rowspan="2">Probability</td><td rowspan="2">Severity</td></tr>
<tr><td>Pathway-</td><td>Leaching of contaminants followed by vertical and horizontal migration of water within aquifer</td><td>Receptor-</td><td>Secondary A Aquifer within bedrock</td></tr>
<tr><td colspan="4" rowspan="2">The southern area has contained farm buildings prior to 1847, with the Dairy then constructed and extended in 1999 and 2018 respectively. Made ground deposits associated with redevelopment phases could potentially contain contaminants, asbestos fibres and ACM.

Three above ground diesel tanks, observed to be in good condition with no visual or olfactory evidence of contamination, are located in the southern area of the site.

Contaminants may migrate through the subsurface contaminating the land beneath the site and then impacting the groundwater Secondary A Aquifer within the bedrock.

An extraction borehole was observed during the site walkover, understood to provide water for the adjacent farm but not for potable use.

However taking into account the limited land use, the underlying low porosity glacial till superficial deposits protecting the Secondary A Aquifer and the lack of an SPZ, this linkage is considered to be Low risk.</td><td>Unlikely</td><td>Medium</td></tr>
<tr><td colspan="2">Classification</td></tr>
<tr><td colspan="4">Low Risk</td></tr>
</table>

Table 4b. Qualitative Risk Assessment – Groundwater Receptor

<table>
<tr><td rowspan="4">Linkage 3</td><td>Source-</td><td colspan="3">Potential ground gas generation associated with made ground from historical developments on site and potential for volatiles from above leaks and spills associated with fuel tanks.</td><td rowspan="2">Probability</td><td rowspan="2">Severity</td></tr>
<tr><td>Pathway-</td><td>Exposure to harmful vapours, ground gas and tainting of water pipes.</td><td>Receptor-</td><td>Continued commercial land use in existing buildings</td></tr>
<tr><td colspan="4" rowspan="2">The risk of ground gas production from made ground on-site is considered to be low, with a limited thickness of made ground anticipated in the southern area of the site only, reflecting the two periods of development at the site.

As the existing Dairy building was constructed in 1999 and extended in 2018, it is anticipated that ground gas protection measures would have been installed at the time of construction, if required. As no change of use of the current building is proposed at this time, the risk from ground gases is considered to be low.

The above ground tanks, which store diesel, did not display any visual or olfactory evidence of leaks or spills.

While a small pond was recorded on historical mapping in the 1840s in the centre of the site, mapping also shows is was infilled by the 1890s. The gassing potential from any organic material in this pond is considered to be low taking into account the period of time since the pond was infilled.</td><td>Unlikely</td><td>Medium</td></tr>
<tr><td colspan="2">Classification</td></tr>
<tr><td colspan="4">Low Risk</td></tr>
</table>

Table 4c. Qualitative Risk Assessment – Ground Gases

<table>
<tr><td rowspan="4">Linkage 4</td><td>Source-</td><td colspan="3">Potential ground gas generation associated made ground from historical developments on site and potential for volatiles from above leaks and spills associated with fuel tanks.</td><td rowspan="2">Probability</td><td rowspan="2">Severity</td></tr>
<tr><td>Pathway-</td><td>Exposure to harmful vapours, ground gas and tainting of water pipes.</td><td>Receptor-</td><td>Neighbouring site users</td></tr>
<tr><td colspan="4" rowspan="2">It is possible that gases originating on-site may migrate laterally through cracks within pipes and substrate pore spaces to off-site locations. Gases may potentially then enter neighbouring properties, including the residential properties 30m west of the northern end of the site, directly southwest and west of the site on the opposite side of Preston Rd.

The above ground tanks, which store diesel, did not display any visual or olfactory evidence of leaks or spills.

However taking into account that the existing Dairy building has been in existence since 1999 with no reported issues and there are no plans to redevelop the site, the risk to neighbouring site users is considered to be low.</td><td>Unlikely</td><td>Medium</td></tr>
<tr><td colspan="2">Classification</td></tr>
<tr><td colspan="4"></td><td colspan="2">Low Risk</td></tr>
</table>

Table 4d. Qualitative Risk Assessment – Neighbours

<table>
<tr><td rowspan="4">Linkage 5</td><td>Source-</td><td colspan="3">Potential contamination within made ground from historical developments on site.</td><td rowspan="2">Probability</td><td rowspan="2">Severity</td></tr>
<tr><td>Pathway-</td><td>Direct contact</td><td>Receptor-</td><td>Continued commercial land use in existing buildings.</td></tr>
<tr><td colspan="4" rowspan="2">The southern area has contained farm buildings prior to 1847, with the Dairy then constructed and extended in 1999 and 2018 respectively. Made ground deposits associated with redevelopment phases could potentially contain contaminants, asbestos fibres and ACM.

Three above ground diesel tanks, observed to be in good condition with no visual or olfactory evidence of contamination, are located in the southern area of the site.

While the composition and depth of made ground at the site are currently unknown, given that the developed southern area of the site is covered in either hard-standing car park or the building footprint it is considered that a pathway between made ground soils and site end users does not exist.

This assessment will need to be reviewed if any redevelopment of the site is planned in the future.</td><td>Low likelihood</td><td>Medium</td></tr>
<tr><td colspan="2">Classification</td></tr>
<tr><td colspan="4"></td><td colspan="2">Low Risk</td></tr>
</table>

Table 4e. Qualitative Risk Assessment – Commercial Site Users

Table 5, below, summarises the relative significance of each contaminant linkage, with no linkages deemed to present a possibility of a potentially unacceptable risk at this time as no redevelopment of the site is currently planned.

These linkages should be reconsidered if redevelopment of the site is proposed in the future.

Linkage No.	Source	Pathway	Receptor	Potentially Unacceptable Risk
1	Potential localised contamination associated with infilled pond, historical operation of the southern area of the site as a farm, and then as a Dairy; three above ground diesel tanks.	Leaching to groundwater followed by migration within the aquifer.	Surface water: drain 32m north, flowing south. Southern drains are from 100m	×
2			Underlying low vulnerability Secondary Undifferentiated Aquifer overlying a Secondary A Aquifer.	×
3		Exposure to harmful vapours, hazardous ground gas and tainting of water supply.	Current site users, Commercial land use to remain unchanged.	×
4			Neighbouring site users, principally within enclosed spaces.	×
5		Direct contact, inhalation of vapours and ingestion.	Current and future site users, principally within landscaped areas.	×

Table 5. Summary of Qualitative Risk Assessment

7.0 Conclusions

A desk study has been conducted for a site known as Alston Dairy, Preston Rd, Preston, PR3 3BN. The purpose of the assessment was to assess the potential for a risk to be posed to human health and sensitive environmental receptors from any potential contaminative site and neighbouring land uses prior to the potential purchase of the site.

The historical activities of the southern end of the site as a farm (pre-1847 to 1999) and then a commercial Dairy since 1999 may have resulted in this southern area of the site containing a variable thickness of made ground that may contain harmful materials (e.g., ACMs). However, the proposed continued use of the site as a Dairy, with the building footprint and areas of hard-standing likely breaking any source-pathway-receptor linkages between the made ground soils and commercial site end users, indicates a **Low** risk to receptors.

Three above ground diesel tanks were recorded during the site walkover, however no visual or olfactory evidence of spills or leaks were observed.

No other significant contaminant linkages were identified.

No assessment has been undertaken with respect to potential asbestos within the shallow soils.

While an electrical sub-station exists in the south-western corner; this have been constructed in recent years to provide electricity for the Dairy and is therefore not considered to present a risk to end users or environmental receptors.

If redevelopment of the site is proposed in the future, the conceptual site model and qualitative risk assessment will need to be reviewed.

8.0 Limitations

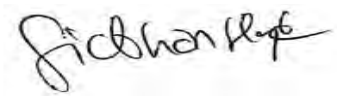
Geo^{2}s' conclusions, recommendations and opinions are based on information gathered at the time of the investigation from a variety of third-party sources and from observations made during site reconnaissance and ground conditions encountered during the field work and on the results of laboratory and field tests performed during the investigation. However, there may be conditions at the site that have not been taken into account, such as unpredictable soil strata and water conditions between or below intrusive locations. It should also be noted that groundwater levels may vary due to seasonal or other effects and may at times differ to those measured during the investigation.

A portion of this report is based solely upon information provided by third parties. The information has not been independently verified by Geo^2. Whilst this report and the opinions given in it are accurate to the best knowledge of Geo^2, Geo^2 cannot guarantee the completeness or accuracy of any descriptions, opinions or conclusions based solely upon information that has not been independently verified.

The recommendations contained within this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted industry practices and hydrological and engineering practices at this time. As such they are not a guarantee that the site is free of hazardous materials or conditions.

Geo^2 prepared this report for our Client; any third parties using this report do so entirely at their risk. Geo^2 makes no warranty or representation whatsoever, express or implied, with respect to the use by a third party of any information contained in this report or its suitability for any purpose. Geo^2 assumes no responsibility for any costs, claims, damages or expenses (including any consequential damages) resulting from the use of this report or any information contained in this report by a third party.

This report was prepared by



Siobhán Hyde — 06/04/2022 Date

This report was reviewed by

Mark Swindells — 06/04/2022 Date

9.0 References

BGS

BGS Geology of Britain Viewer

British Standards Institute

BS10175:2011 “Investigation of potentially contaminated land sites – code of practice”

BS 8576: 2013 “Guidance on investigations for ground gas - Permanent gases and Volatile Organic Compounds (VOCs)”

Desk Study Data

Envirocheck Report – for Environmental Data

Envirocheck Historical Maps

Environment Agency

Land Contamination Risk Management (Lcrm) Guidance, 2020

Appendix A

Figures

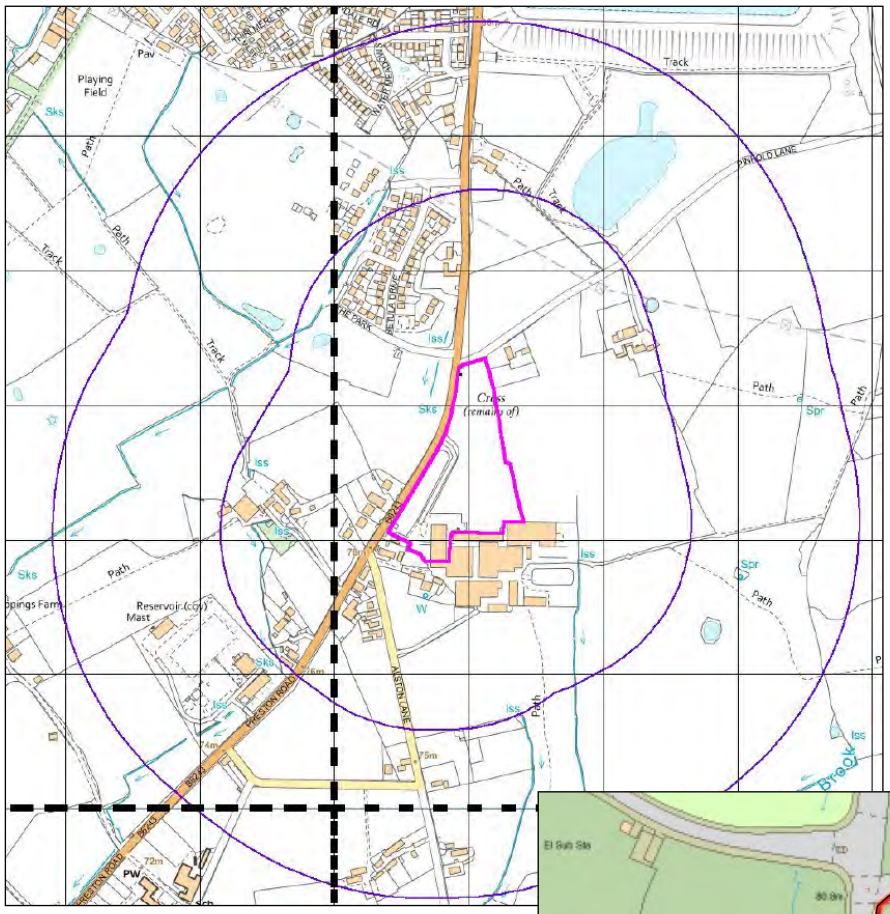


Figure 1 -

Site Location

Pink line = site boundary

Purple lines = 250m and 500m buffers

Ref: Envirocheck Report

Figure 2 - Site Location

Black line and shading area = updated site boundary

Ref: Envirocheck Report

Figures 1 & 2 Site Location Plans
Alston Dairy, Alston Lane, Preston, PR3 3BN

Geo² Remediation Limited, The Coniston, Louisa Street, Idle, West Yorkshire, BD10 8NE

Tel: (0113) 2575397 www.geo2.co.uk

Appendix B

Site Walkover Photos

Photographic Survey

Photo 1: Gateway in north-western corner from Pinfold Lane, facing south	**Photo 2**: Walled northern boundary, Pinfold Lane to the left (north of site). Intermittent mature trees. Facing east to residential dwelling
	
Photo 3: Remains of stone cross in north-western corner of field. Facing south	**Photo 4**: Marker for underground gas line located north of entrance to the Dairy. Facing east across Preston Rd
	
Photo 5: Concrete hard-standing driveway from Preston Rd, between the two fields. Facing north	**Photo 6**: Pipework leading from the farm to a water trough on the western boundary, above-ground through the fields. Facing east
	

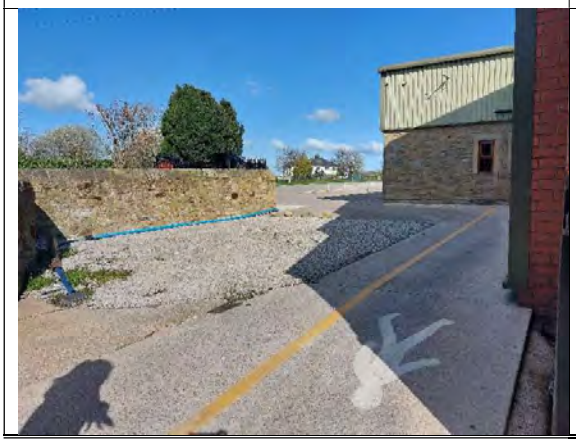
Photo 7: Water pipe placed under the concrete driveway to access the western field from the farm. Facing east	**Photo 8**: Gravel car park north of the Dairy building, facing east
	
Photo 9: Original Dairy building, constructed 1999. Truck loading bay at the northern end (left hand side). Facing southeast	**Photo 10**: Dairy Building extension, constructed 2018. Facing northeast
	
Photo 11: Underground attenuation tank within the gravel area for wastewater. Facing northwest	**Photo 12**: Original farm building on the southern boundary, with two steam boilers within the wood panelled outhouse on the left-hand side. Facing north
	

Photo 13: Second, smaller original farm building on southern building. Diesel tank (green), which feeds the steam boilers in Photo 12. Facing north. Building to the right (east) is on the Farm, not the Dairy site	**Photo 14**: Diesel tank enclosed in the green container, understood to be bunded. Used by the delivery HGVs. No evidence of spills or leaks. Located southwest corner, facing southwest
	
Photo 15: Electrical substation on western boundary with Preston Rd. Constructed and services only the Dairy, constructed 2018	**Photo 16**: Smaller western field bound by Preston Rd and the driveway through the site. Facing north
	
Photo 17: Passageway between the Diary (right) and the Farm (left). Bin store area at the northern end. Facing south	**Photo 18**: Elevated pipework which transports the milk from the Farm to the left/west to the Dairy to the right/east. Taps at both ends need to be opened for milk flow. Facing south.
	

Photo 19: Second underground tank for wastewater from the Dairy. Water is treated to remove dairy waste prior to water entering effluent. Facing south	**Photo 20**: Inside the northern end of the wastewater tank. Water hosepipe leading from Farm.
	
Photo 21: Refrigeration units, located to the rear (eastern side) of the original Dairy Building. Facing southwest	**Photo 22**: Rear (eastern side) of the Dairy extension building, facing north.
	
Photo 23: Boiler which operates the refrigeration units, located south of the refrigeration units. Facing east	**Photo 24**: Diesel tank, linked to the boiler for the refrigeration units. No evidence of spills or leaks. Liquid on the surface is water coming from doorway to the left. Facing southwest.
	

Photo 25: Water tower which supplies the Dairy. Facing south	**Photo 26**: Generator for the water tower, located south of the water tower. Facing west
	
Photo 27: Pump house, linked to the water tower. Facing northwest	**Photo 28**: Old / spare refrigeration units and generators, stored undercover. Facing southwest.
	
Photo 29: Silo related to the Farm and south of the Dairy's boundary. Facing east	**Photo 30**: This stone structure contains a water borehole, which currently only services the Farm. Located in front of (west of) the Dairy extension building. An outside tap is also located in the grass to the left (south). Facing southwest.
	

Appendix C

Desk Study Data

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
293088206_1_1

Customer Reference:
1269

National Grid Reference:
360190, 435510

Slice:
A

Site Area (Ha):
2.96

Search Buffer (m):
1000

Site Details:

Alston Dairy
Alston Lane
PRESTON
PR3 3BN

Client Details:

Mr M Swindells
Geo2 Remediation Ltd
Coniston House
Louisa Street
Bradford
West Yorkshire
BD10 8NE

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Contents

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		3	2	3
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		5	1	11
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 7				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 7			2	3
Water Abstractions	pg 8				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 8	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 9	1	13	17	54

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 19				7
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 20	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 21	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 21	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 21	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 23	1			20
Fuel Station Entries					
Points of Interest - Commercial Services	pg 24		1		6
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 25			1	9
Points of Interest - Public Infrastructure	pg 26		1		
Points of Interest - Recreational and Environmental	pg 26				2
Gas Pipelines	pg 26	1			
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 27				1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	360189 435550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	0	1	360150 435500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SW)	0	1	360189 435506
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	76	1	360100 435600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	81	1	360000 435500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	103	1	360250 435300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	115	1	360000 435506
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	209	1	359950 435600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	216	1	360000 435200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	268	1	360189 435100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	349	1	360000 435950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	368	1	360189 435000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	369	1	360200 435000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	392	1	360000 435000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	412	1	359950 435000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	469	1	360750 435450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	471	1	359650 435600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NW (SE)	492	1	360650 435100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Mr Michael Devlin Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Ptp Serving One Domestic Property Pinfold Barn, Pinfold Lane, Longridge, Preston, Pr3 3bh Authority: Environment Agency, North West Region Catchment Area: Ribble Reference: Npswqd008233 Permit Version: 1 Effective Date: 31st July 2009 Issued Date: 31st July 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Trib Of Tun Brook **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	137	2	360367 435669
2	**Discharge Consents** Operator: Daniel Thwaites Plc Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: The White Bull Public House Alston, Longridge, ., Lancashire, Pr3 3bj Authority: Environment Agency, North West Region Catchment Area: Ribble Reference: Npswqd009409 Permit Version: 2 Effective Date: 30th November 2012 Issued Date: 30th November 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwaters Via A Soakaway **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	173	2	360010 435246
2	**Discharge Consents** Operator: Daniel Thwaites Plc Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: The White Bull Public House Alston, Longridge, ., Lancashire, Pr3 3bj Authority: Environment Agency, North West Region Catchment Area: Ribble Reference: Npswqd009409 Permit Version: 1 Effective Date: 27th November 2009 Issued Date: 27th November 2009 Revocation Date: 29th November 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwaters Via A Soakaway **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	173	2	360010 435246
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: White Bull Wtp, Preston Road, Longridge, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017160053 Permit Version: 1 Effective Date: 19th October 1979 Issued Date: Not Supplied Revocation Date: 30th April 2018 Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Tun Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	274	2	359920 435190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Mr Ronald James Rich & Mrs Irene Alice Rich Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: One Dwelling, Land Adjoining Stella Maris, Alston Lane, Longridge, Preston, Pr3 3bn Authority: Environment Agency, North West Region Catchment Area: Ribble Reference: 017190731 Permit Version: 1 Effective Date: 1st November 2002 Issued Date: 30th September 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Tun Brook **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NW (S)	468	2	360170 434900
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Longridge Cso 343ft Shay Lane, Longridge, Preston, Lancashire, Pr3 3bt Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017160117 Permit Version: 2 Effective Date: 18th June 2018 Issued Date: 18th June 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Savick Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	805	2	359510 436090
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Longridge Cso 343ft Shay Lane, Longridge, Preston, Lancashire, Pr3 3bt Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017160117 Permit Version: 1 Effective Date: 30th March 1977 Issued Date: Not Supplied Revocation Date: 17th June 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Savick Brook **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	816	2	359500 436095
6	**Discharge Consents** Operator: Daniel Joseph Wilkins Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Lower Green Nook Barn Green Nook Lane, Longridge, Preston, Lancashire, Pr3 2ja Authority: Environment Agency, North West Region Catchment Area: Savick Brook Reference: 017190662 Permit Version: 1 Effective Date: 27th June 2000 Issued Date: 27th June 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Savick Brook **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	956	2	359520 436340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Integrated Pollution Prevention And Control** Name: Cambrian Pet Foods Limited Location: Skretting - Epr/Rp3106pl, Shay Lane Industrial Estate, Shay Lane,Longridge,, Preston, Lancashire, PR3 3BT Authority: Environment Agency, North West Region Permit Reference: RP3106PL Original Permit Ref: Rp3106pl Effective Date: 19th August 2019 **Status: Effective** Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal vegetable and food treating etc vegetable Primary Activity: Y	A17NE (NW)	822	2	359590 436220
8	**Integrated Pollution Prevention And Control** Name: Trouw (Uk) Ltd Location: Skretting - Epr/Bx5174ib, Shay Lane Industrial Estate, Shay Lane,Longridge,, Preston, Lancashire, PR3 3BT Authority: Environment Agency, North West Region Permit Reference: Bx5174ib Original Permit Ref: Bx5174ib Effective Date: 15th December 2004 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A23SW (N)	980	2	359875 436586
9	**Local Authority Pollution Prevention and Controls** Name: Skretting Location: Shay Lane Industrial Estate, Shay Lane, LONGRIDGE, Lancashire, PR3 3BT Authority: Ribble Valley Borough Council, Environmental Health Department Permit Reference: Rvbc/Epa/09/92 Dated: 22nd September 1993 Process Type: Local Authority Air Pollution Control Description: PG6/26 Animal feed compounding **Status: Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	837	3	359645 436293
	Nearest Surface Water Feature	A13NW (N)	32	-	360145 435613
10	**Pollution Incidents to Controlled Waters** Property Type: No Premises Identified Location: Alston Lane, Lancashire Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 6th July 1999 Incident Reference: 29679 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	32	2	360300 435400
11	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Agricultural: Dairy Parlour Washings Note: Tributary Of Tun Brook Incident Date: 2nd March 1993 Incident Reference: 93320082 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	74	2	360200 435300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Pollution Incidents to Controlled Waters** Property Type: Cattle (Dairy) Farming: Other Location: Boltons Fold Farm , Alston Lane, LONGRIDGE Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Cattle slurry Note: O/Flowing Slurry Tnk; Tributary Of Ribble; Cattle Slurry Incident Date: 28th September 1997 Incident Reference: 97340084 Catchment Area: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	78	2	360200 435295
12	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Agricultural: Other Note: Tributary Tun Brook; Dairy Wastes Incident Date: 18th January 1991 Incident Reference: 91320007 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	172	2	360100 435200
13	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Silage Liquor Note: Grimsargh Brook Incident Date: 2nd September 1993 Incident Reference: 93320250 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	202	2	359900 435500
14	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Water Treatment Works Location: Stream Next To 345 Preston Road, GRIMSARGH Authority: Environment Agency, North West Region Pollutant: Raw Water Note: Not Supplied Incident Date: 15th May 1998 Incident Reference: CE980515 Catchment Area: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	397	2	359700 435300
15	**Pollution Incidents to Controlled Waters** Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sullage Note: Grimsargh Brook Incident Date: 4th January 1993 Incident Reference: 93320003 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	590	2	359800 436100
16	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary Of Ribble; None Pollution Found Incident Date: 22nd October 1996 Incident Reference: 96340079 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	739	2	360800 434900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Pollution Incidents to Controlled Waters** Property Type: Connection To Surface Drains Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Vehicle Washings And De Waxing Note: Ribble Tributary; Vehicle Wash Water Incident Date: 7th December 1996 Incident Reference: 96340096 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	779	2	360300 434600
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Not Given Note: Savick Brook Incident Date: 4th May 1993 Incident Reference: 93320136 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	801	2	359600 436200
19	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Silage Liquor Note: Tributary Grimsargh Brk Incident Date: 30th October 1992 Incident Reference: 92320313 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	810	2	359300 435200
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 30th March 1995 Incident Reference: 95410044 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	872	2	359600 436300
21	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tributary Of Tun Brook Incident Date: 26th February 1992 Incident Reference: 92320059 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	919	2	359500 434700
22	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Savick Brook; Septic Tank Effluent Incident Date: 20th August 1996 Incident Reference: 96410133 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	945	2	359600 436395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Savick Brook; Prob Fluoroscein Dye Incident Date: 25th September 1991 Incident Reference: 91320213 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	949	2	359600 436400
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Tun Brook Incident Date: 18th April 1994 Incident Reference: 94340039 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NW (S)	968	2	360100 434400
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Tributary Of Tun Brook Incident Date: 21st January 1993 Incident Reference: 93320022 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	971	2	359700 434500
	River Quality Name: Savick Bk GQA Grade: River Quality D Reach: Qsl At Shay Lane Ie To Grimsargh Bridge Estimated Distance (km): 2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17SE (NW)	793	2	359543 436117
25	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, North Area Incident Date: 6th June 2007 Incident Reference: 500820 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Agricultural: Silage Liquor	A8NE (S)	251	2	360276 435140
26	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, North Area Incident Date: 26th April 2001 Incident Reference: 3521 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inorganic Chemicals : Other	A13SW (SW)	288	2	359893 435194
27	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, North Area Incident Date: 8th November 2019 Incident Reference: 1752479 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Agricultural Materials And Wastes: Slurry And Dilute Slurry	A7NE (SW)	502	2	359830 434970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, North Area Incident Date: 1st February 2005 Incident Reference: 290545 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Specific Waste Materials: Other Specific Waste Material	A17SW (NW)	820	2	359487 436082
29	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, North Area Incident Date: 11th September 2007 Incident Reference: 530430 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and EffectsAmmonia/Amine Odour	A23SW (N)	956	2	359910 436573
	Water Abstractions Operator: Singletons Dairy Ltd Licence Number: 2671348013 Permit Version: 100 Location: Borehole At Mill Farm,Preston Road, Longridge Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 327 Yearly Rate (m3): 119469 Details: Land & Premises At Mill Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th August 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NE (N)	1230	2	360200 436900
	Water Abstractions Operator: Singletons Dairy Ltd Licence Number: Nw/071/0348/002 Permit Version: 1 Location: Mill Farm Borehole Authority: Environment Agency, North West Region Abstraction: Dairies: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mill Farm, Preston Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 27th June 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NW (N)	1315	2	360176 436984
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: <3m Superficial Recharge: High	A13SE (SW)	0	4	360189 435506
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	4	360189 435506
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (SW)	0	4	360189 435506

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 330.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NE (NE)	0	5	360217 435532
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (N)	32	5	360145 435613
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (N)	32	5	360155 435662
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (N)	43	5	360164 435691
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 230.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SE (SE)	103	5	360364 435366
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 104.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (W)	176	5	359906 435429
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (SW)	197	5	359893 435357

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (SW)	198	5	359892 435354
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (SW)	218	5	359897 435296
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (W)	221	5	359880 435502
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (SW)	221	5	359898 435289
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	225	5	359981 435748
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 174.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	225	5	359991 435765
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	226	5	359964 435718
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 396.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8NE (S)	256	5	360280 435136
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13SW (SW)	265	5	359921 435200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	272	5	359917 435688
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	275	5	359914 435694
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	277	5	359913 435695
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SE (W)	280	5	359806 435457
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 550.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (NW)	280	5	359909 435698
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A18SW (N)	283	5	360075 435917
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8NE (SE)	293	5	360359 435138
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 317.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8NE (SE)	298	5	360360 435133
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A18SW (N)	299	5	360084 435937

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A13NW (W)	312	5	359847 435629
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SE (W)	314	5	359773 435466
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 235.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12NE (W)	316	5	359841 435625
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 290.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8NW (SW)	354	5	359850 435144
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 241.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SE (W)	376	5	359712 435480
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SE (W)	377	5	359711 435481
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 474.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A8NE (SE)	525	5	360489 434942
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 286.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A8NE (S)	563	5	360413 434860
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 101.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SE (W)	568	5	359518 435347

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A17SE (NW)	578	5	359658 435890
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A9NW (SE)	587	5	360768 435097
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8SE (S)	598	5	360198 434771
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NE (SW)	601	5	359668 434976
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NE (SW)	605	5	359670 434969
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NE (SW)	613	5	359681 434947
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NE (SW)	619	5	359678 434942
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A17SE (NW)	625	5	359627 435933
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 127.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A17SE (NW)	625	5	359627 435933

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 173.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SW (W)	665	5	359425 435305
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 276.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A8SE (S)	703	5	360186 434665
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8SE (S)	705	5	360210 434664
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: Underground Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A8SE (S)	711	5	360243 434661
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A8SE (S)	713	5	360207 434656
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A17SE (NW)	739	5	359553 436036
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7SE (SW)	774	5	359581 434822
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 212.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A14SE (E)	778	5	361057 435367
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NW (SW)	780	5	359483 434911

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7SE (SW)	782	5	359575 434816
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 642.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A14NE (E)	782	5	361046 435591
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NW (SW)	793	5	359485 434889
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 116.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7NW (SW)	795	5	359487 434884
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1001.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Savick Brook Catchment Name: Ribble Primacy: 1	A17SE (NW)	799	5	359546 436132
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Savick Brook Catchment Name: Ribble Primacy: 1	A17SE (NW)	805	5	359512 436094
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Savick Brook Catchment Name: Ribble Primacy: 1	A17SE (NW)	812	5	359524 436125
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 264.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A7SE (SW)	812	5	359556 434792
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 118.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A19NW (NE)	812	5	360717 436315

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 706.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Savick Brook Catchment Name: Ribble Primacy: 1	A17SW (NW)	814	5	359499 436090
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A19NW (NE)	828	5	360645 436383
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SW (W)	831	5	359262 435269
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SW (W)	848	5	359247 435257
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A8SW (S)	856	5	360074 434514
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8SW (S)	856	5	360074 434514
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A8SW (S)	858	5	360100 434511
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SW (W)	866	5	359232 435243
99	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A3NW (S)	870	5	360105 434498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 97.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A12SW (W)	874	5	359225 435238
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 243.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A9NE (E)	902	5	361134 435133
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A19NW (NE)	932	5	360777 436420
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A3NW (S)	932	5	359948 434455
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A3NW (S)	932	5	359948 434455
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A11SE (W)	957	5	359151 435184
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 779.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A6NE (W)	961	5	359148 435181
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A19NW (NE)	963	5	360772 436461
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A19NW (NE)	965	5	360772 436464

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 244.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A17NE (NW)	973	5	359583 436418
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 264.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A19NW (NE)	975	5	360779 436472
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A15SW (E)	983	5	361264 435386
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A10NW (E)	987	5	361234 435169
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 113.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ribble Primacy: 1	A3NW (S)	1000	5	359868 434405
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 349.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tun Brook Catchment Name: Ribble Primacy: 1	A3NW (S)	1000	5	359868 434405

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Ribble Valley Borough Council - Had landfill data but passed it to the relevant environment agency		0	3	360189 435506
	Local Authority Landfill Coverage Name: Lancashire County Council - Had landfill data but passed it to the relevant environment agency		0	6	360189 435506
	Local Authority Landfill Coverage Name: Preston Borough Council - Has no landfill data to supply		790	7	359510 436094
115	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SW (N)	539	9	359932 436131
116	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NW (N)	655	9	359898 436244
117	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NW (N)	657	9	360062 436307
118	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NW (N)	677	9	360071 436330
119	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	787	9	359739 436302
120	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NW (SW)	906	9	359229 435104
121	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A23SW (N)	914	9	359947 436541

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13SE (SW)	0	1	360189 435506
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SW)	0	1	360189 435506
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	112	1	360323 435319
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	214	1	359970 435654
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 120 - 180 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	368	1	360189 435000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (S)	510	1	360408 434916
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	914	1	359183 435245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (NW)	945	1	359287 435946
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A23SE (N)	948	1	360369 436607
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	214	1	359970 435654
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	203	1	360379 435808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	81	1	360000 435506
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	360189 435506

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**Contemporary Trade Directory Entries** Name: Alston Dairy Ltd Location: Alston Dairy, Alston Lane, Alston, Preston, PR3 3BN Classification: Dairies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	0	-	360154 435384
123	**Contemporary Trade Directory Entries** Name: Arrow Electrics Location: 48, Water Meadows, Longridge, Preston, Lancashire, PR3 3BW Classification: Washing Machines - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	501	-	360047 436138
124	**Contemporary Trade Directory Entries** Name: Martindale Industrial Fasteners Ltd Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, Lancashire, PR3 3BT Classification: Nuts, Bolts & Fixings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	787	-	359596 436174
124	**Contemporary Trade Directory Entries** Name: Ribble Valley Windows Ltd Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	793	-	359598 436187
124	**Contemporary Trade Directory Entries** Name: Ribble Valley Windows Ltd Location: Unit 27, Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Machine Shops **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	834	-	359578 436224
125	**Contemporary Trade Directory Entries** Name: Buildbase Ltd Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	799	-	359504 436070
125	**Contemporary Trade Directory Entries** Name: George Gordon Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Diesel Fuel Injection Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	799	-	359504 436070
125	**Contemporary Trade Directory Entries** Name: Skretting Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	799	-	359504 436070
125	**Contemporary Trade Directory Entries** Name: Butler Location: Shay Farm, Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	799	-	359504 436070
126	**Contemporary Trade Directory Entries** Name: Burts Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	826	-	359671 436300
126	**Contemporary Trade Directory Entries** Name: Hills Fine Foods Ltd Location: 3b, Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Cheese Makers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	828	-	359670 436302

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	**Contemporary Trade Directory Entries** Name: Miniprints Location: B4-B8, Unit, Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	829	-	359675 436307
126	**Contemporary Trade Directory Entries** Name: Longridge Panel Craft Location: Shay La Ind Est,Shay La, Longridge, Preston, Lancashire, PR3 3BT Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	845	-	359654 436310
127	**Contemporary Trade Directory Entries** Name: Tarmac Topmix Ltd Location: Shay Lane Indust Est,Shay La, Longridge, Preston, Lancashire, PR3 3BT Classification: Concrete & Mortar Ready Mixed **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	872	-	359770 436422
127	**Contemporary Trade Directory Entries** Name: Alchemy Location: Unit 13,Shay La Ind Est,Shay La, Longridge, Preston, Lancashire, PR3 3BT Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	881	-	359778 436436
127	**Contemporary Trade Directory Entries** Name: Feathers & Fibre Interiors Location: Unit 9,Shay La Ind Est,Shay La, Longridge, Preston, Lancashire, PR3 3BT Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (N)	899	-	359804 436470
127	**Contemporary Trade Directory Entries** Name: S & D Spinks Location: 3a, Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Electrical goods - servicing & repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	908	-	359781 436468
127	**Contemporary Trade Directory Entries** Name: Yates Joinery & Building Ltd Location: 5-6 Shay la Ind Est Shay la, Longridge, Preston, Lancashire, PR3 3BT Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	911	-	359768 436465
128	**Contemporary Trade Directory Entries** Name: Sita Uk Ltd Location: 1 Chapel Hill Road, Longridge, Preston, Lancashire, PR3 2YB Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A23SE (N)	913	-	360194 436582
129	**Contemporary Trade Directory Entries** Name: Victoria Engineering Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Classification: Engineers - General **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	916	-	359675 436415
130	**Contemporary Trade Directory Entries** Name: Valley Engineering Ltd Location: Shay Lane Indust Est,Shay La, Longridge, Preston, Lancashire, PR3 3BT Classification: Tool Design, Manufacturers & Makers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (N)	931	-	359833 436518
131	**Points of Interest - Commercial Services** Name: C D Bolton (Haulage) Location: 248 Preston Road, Longridge, Preston, PR3 3BD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	42	8	360044 435429

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	**Points of Interest - Commercial Services** Name: Poultry Transport Location: Chapel House Farm, Preston Road, Alston, Preston, PR3 3BJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	739	8	359726 434753
133	**Points of Interest - Commercial Services** Name: R J Rich & Son Ltd Location: Unit D Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	783	8	359550 436110
133	**Points of Interest - Commercial Services** Name: G Gordon Location: Shay Farm Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	799	8	359504 436070
134	**Points of Interest - Commercial Services** Name: Burts Location: Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	828	8	359669 436301
135	**Points of Interest - Commercial Services** Name: D J A Commercials Location: 339 Preston Road, Grimsargh, Preston, PR2 5JT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SW (SW)	865	8	359496 434775
136	**Points of Interest - Commercial Services** Name: M Hartley Motor Vehicle Repairs Location: 6b Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	911	8	359768 436465
137	**Points of Interest - Manufacturing and Production** Name: P J & K English Location: Alston Lane, Alston, Preston, PR3 3BN Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A8NW (S)	425	8	360091 434945
138	**Points of Interest - Manufacturing and Production** Name: Valve Shaft Location: PR3 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	528	8	360224 436198
138	**Points of Interest - Manufacturing and Production** Name: Valve Shaft Location: PR3 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A18NE (N)	532	8	360233 436202
139	**Points of Interest - Manufacturing and Production** Name: J R Wallbank Location: Manor House Farm, Thorn Lane, Alston, Preston, PR3 3BQ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A9NE (SE)	741	8	360972 435158
139	**Points of Interest - Manufacturing and Production** Name: J R Wallbank Location: Manor House Farm, Thorn Lane, Alston, Preston, PR3 3BQ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A9NE (SE)	741	8	360972 435158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**Points of Interest - Manufacturing and Production** Name: T Redmayne Location: Shay Farm Shay Lane Industrial Estate, Shay Lane, Longridge, Preston, PR3 3BT Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A17SW (NW)	799	8	359504 436070
141	**Points of Interest - Manufacturing and Production** Name: A W Eccles Location: Sudells Farm, Preston Road, Alston, Preston, PR3 3BL Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A7NW (SW)	867	8	359273 435096
142	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: PR3 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	956	8	359688 436471
142	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: PR3 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	956	8	359717 436488
143	**Points of Interest - Manufacturing and Production** Name: Tank Location: PR3 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A22SE (N)	992	8	359814 436576
144	**Points of Interest - Public Infrastructure** Name: Slurry Pit Location: PR3 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	85	8	360313 435348
145	**Points of Interest - Recreational and Environmental** Name: Play Area Location: PR3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	674	8	359879 436255
146	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	758	8	359660 436200
147	**Gas Pipelines** Name: GRAYRIGG TO SAMLESBURY Nat Grid: Owned By National Grid Diameter (mm): 900 Building Proximity Distance (m): Not Supplied Status: Active Pipe Length (m): 81389.65 Pipe Number: Not Supplied	A13NE (NE)	0	9	360213 435536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	**Ancient Woodland** Name: King Wood Reference: 1102462 Area(m²): 104658.13 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	939	10	361144 435055

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Ribble Valley Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Preston City Council - Environmental Health Department	September 2017	Annual Rolling Update
South Ribble Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	January 2022	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	January 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Preston City Council - Environmental Health Department	August 2015	Variable
Ribble Valley Borough Council - Environmental Health Department	June 2014	Variable
South Ribble Borough Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Preston City Council - Environmental Health Department	August 2015	Annual Rolling Update
Ribble Valley Borough Council - Environmental Health Department	June 2014	Annual Rolling Update
South Ribble Borough Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Preston City Council - Environmental Health Department	August 2015	Variable
Ribble Valley Borough Council - Environmental Health Department	June 2014	Variable
South Ribble Borough Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	February 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - Central Area	January 2022	Quarterly
Environment Agency - North West Region - North Area	January 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	January 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk		
Environment Agency - Head Office	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2022	Quarterly
Flood Defences Environment Agency - Head Office	February 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	January 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - Central Area	January 2022	Quarterly
Environment Agency - North West Region - North Area	January 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - Central Area	January 2022	Quarterly
Environment Agency - North West Region - North Area	January 2022	Quarterly
Local Authority Landfill Coverage		
Lancashire County Council - Waste Management Group	February 2003	Not Applicable
Preston City Council - Environmental Health Department	February 2003	Not Applicable
Ribble Valley Borough Council - Environmental Health Department	February 2003	Not Applicable
South Ribble Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lancashire County Council - Waste Management Group	October 2018	
Preston City Council - Environmental Health Department	October 2018	
Ribble Valley Borough Council - Environmental Health Department	October 2018	
South Ribble Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - Central Area	March 2006	Not Applicable
Environment Agency - North West Region - North Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - Central Area	April 2018	
Environment Agency - North West Region - North Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - Central Area	June 2015	
Environment Agency - North West Region - North Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lancashire County Council	February 2016	Variable
Ribble Valley Borough Council	February 2016	Variable
South Ribble Borough Council	February 2016	Variable
Preston City Council	October 2015	Variable
Planning Hazardous Substance Consents		
Lancashire County Council	February 2016	Variable
Ribble Valley Borough Council	February 2016	Variable
South Ribble Borough Council	February 2016	Variable
Preston City Council	October 2015	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2022	Quarterly
Points of Interest - Education and Health PointX	March 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2022	Quarterly
Points of Interest - Public Infrastructure PointX	March 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
Preston City Council	October 2020	Quarterly
Ribble Valley Borough Council	October 2020	Quarterly
South Ribble Borough Council	October 2020	Quarterly
Areas of Unadopted Green Belt		
Preston City Council	October 2020	Quarterly
Ribble Valley Borough Council	October 2020	Quarterly
South Ribble Borough Council	October 2020	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	February 2021	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	June 2017	Bi-Annually
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2021	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	February 2021	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Ribble Valley Borough Council - Environmental Health Department** Council Offices, Church Walk, Clitheroe, Lancashire, BB7 2RA	Telephone: 01200 425111 Fax: 01200 26339 Website: www.ribblevalley.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Lancashire County Council - Waste Management Group** Environment Directorate, Guild House, Cross Street, Preston, Lancashire, PR1 8RD	Website: www.lancashire.gov.uk
7	**Preston City Council - Environmental Health Department** Strategic Services, Town Hall, Lancaster Road, Preston, Lancashire, PR1 2RL	Telephone: 01772 906000 Fax: 01772 906195 Email: info@preston.gov.uk Website: www.preston.gov.uk
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
10	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	**Preston City Council** P O Box 10, Town Hall, 77-79 Lancaster Road, Preston, Lancashire, PR1 2RH	Telephone: 01772 254881 Fax: 01772 266195 Website: www.preston.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	ALV	Alluvium	Clay, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SSG	Sherwood Sandstone Group	Sandstone	Not Supplied - GUADALUPIAN
	SAML	Millport Cornstones Member	Mudstone	Not Supplied - Namurian
	SILS	Silsden Formation	Mudstone	Not Supplied - Namurian
	SDSH	Sabden Shales	Sandstone	Not Supplied - Namurian
	WWG	Warley Wise Grit	Sandstone	Not Supplied - Namurian
	PG	Pendle Grit Member	Sandstone and Siltstone, Interbedded	Not Supplied - Namurian
	PG	Pendle Grit Member	Sandstone	Not Supplied - Namurian
	PG	Pendle Grit Member	Mudstone	Not Supplied - Namurian
	BSG	Bowland Shale Formation	Mudstone	Not Supplied - Visean
	BSG	Bowland Shale Formation	Mudstone and Siltstone	Not Supplied - Visean
	PDL	Pendleside Limestone Formation	Limestone	Not Supplied - Visean
	BOH	Hodderense Limestone Formation	Limestone	Not Supplied - Visean
	HOM	Hodder Mudstone Formation	Mudstone	Not Supplied - Visean
		Faults		

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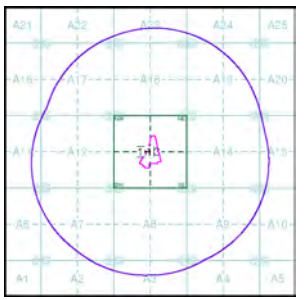
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**067**
Map Name:	**Garstang**
Map Date:	**1990**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A



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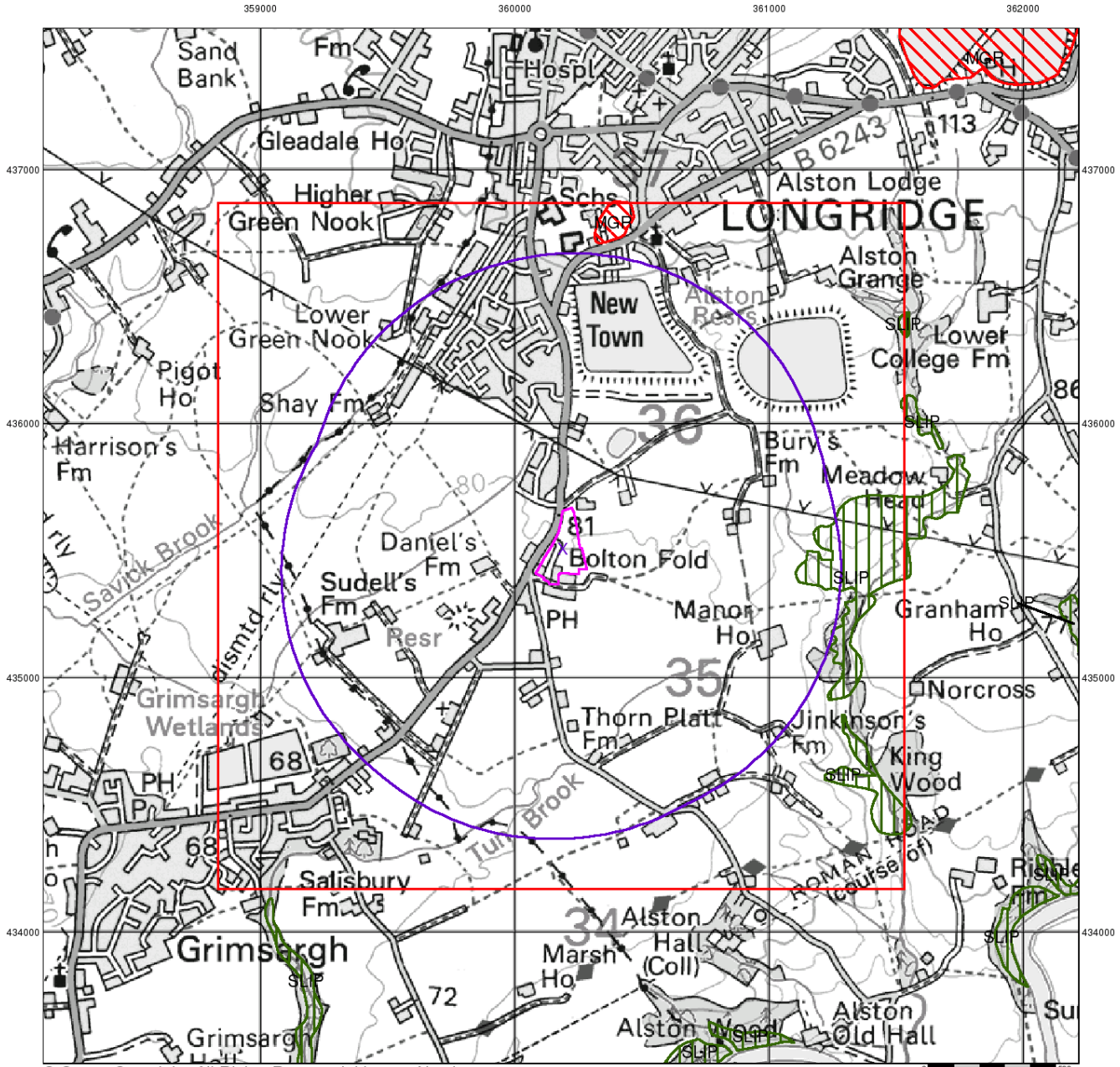
Order Number:	293088206_1_1
Customer Reference:	1269
National Grid Reference:	360190, 435510
Slice:	A
Site Area (Ha):	2.96
Search Buffer (m):	1000

Site Details:

Alston Dairy, Alston Lane, PRESTON, PR3 3BN

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Artificial Ground and Landslip

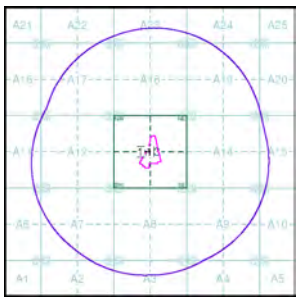
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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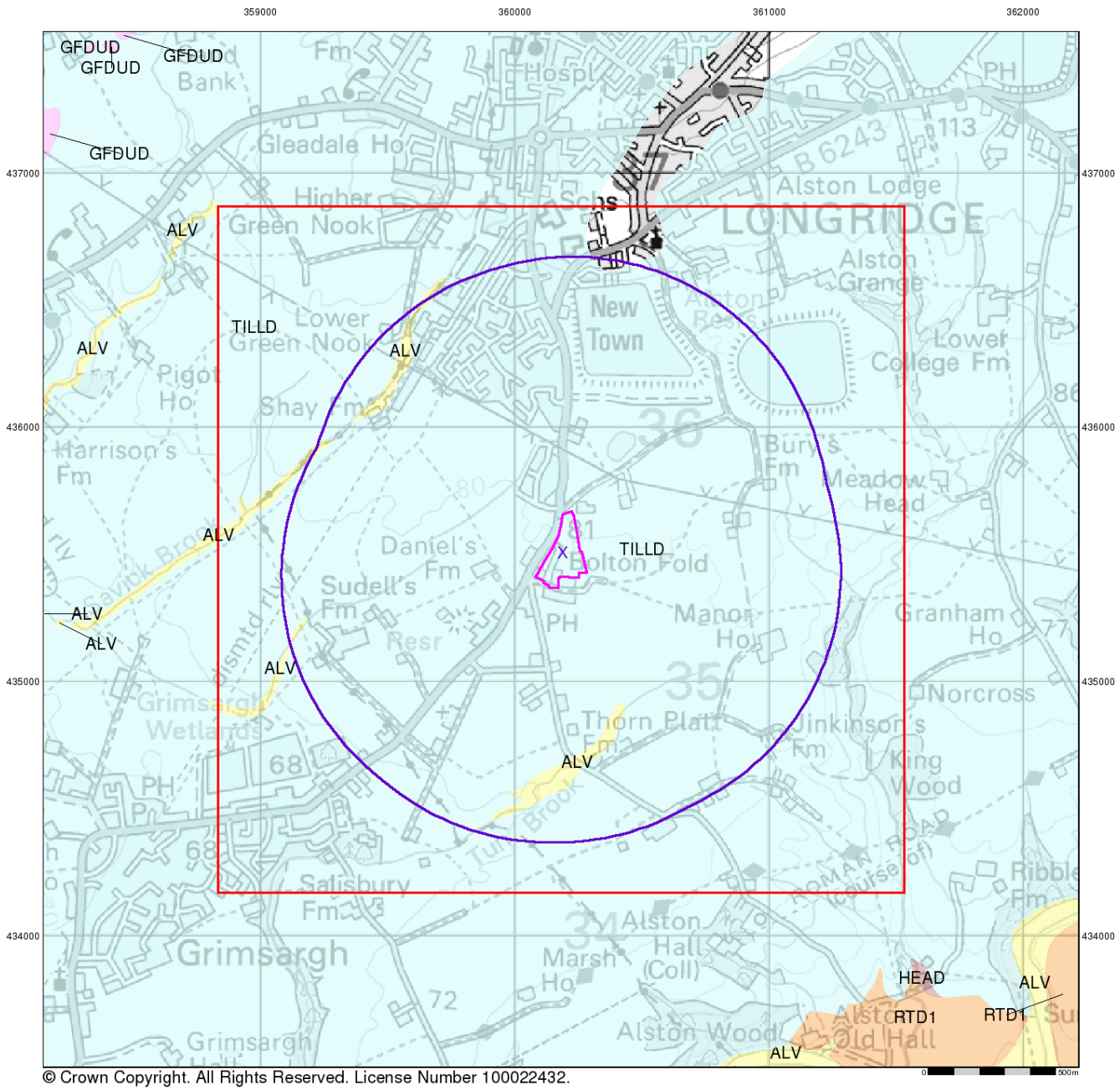

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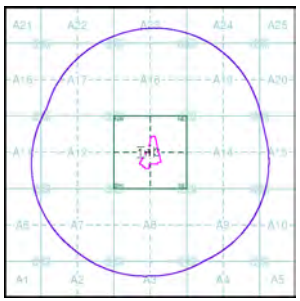
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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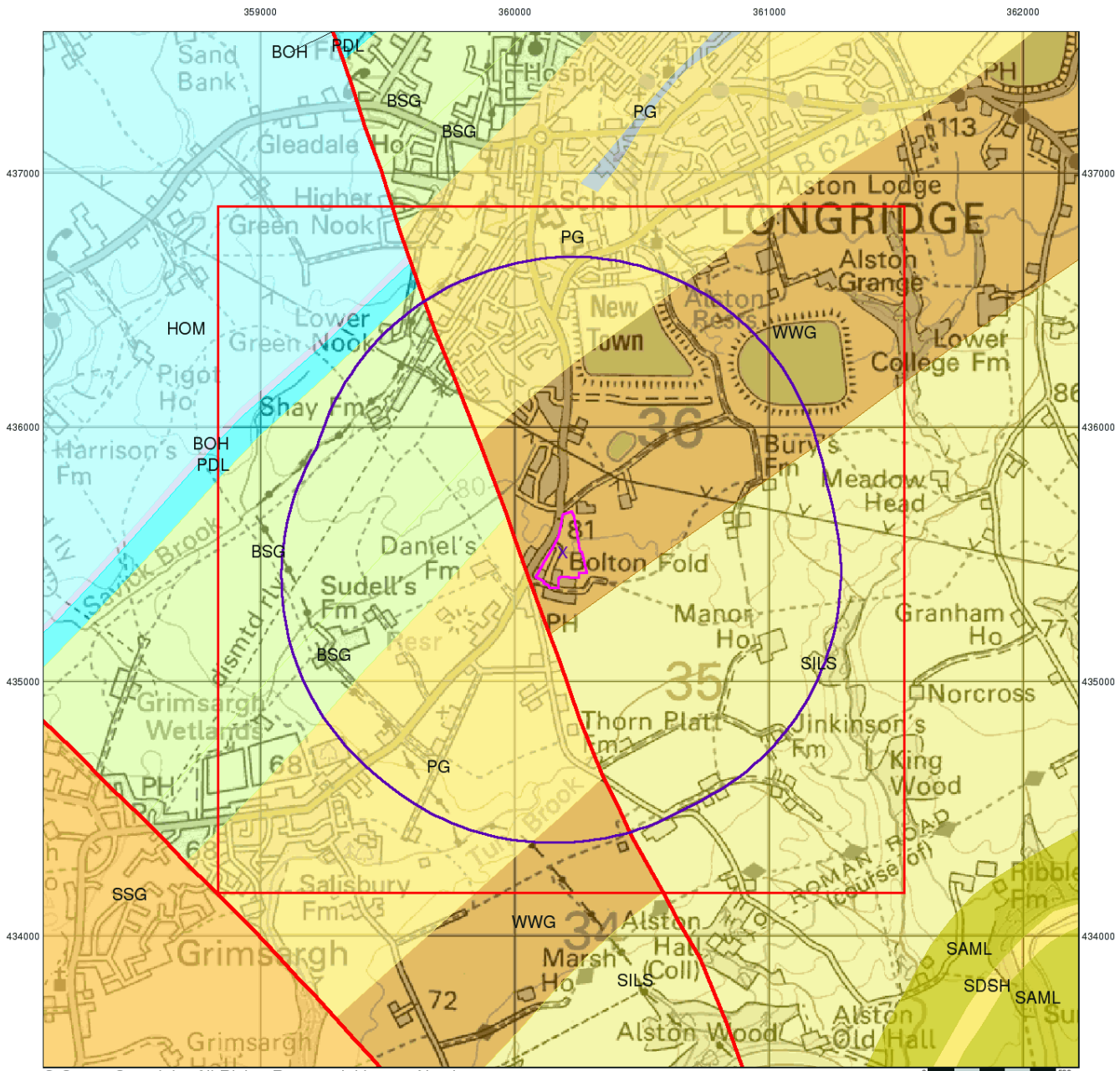

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Bedrock and Faults

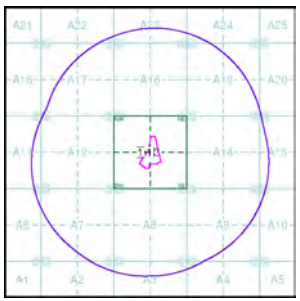
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



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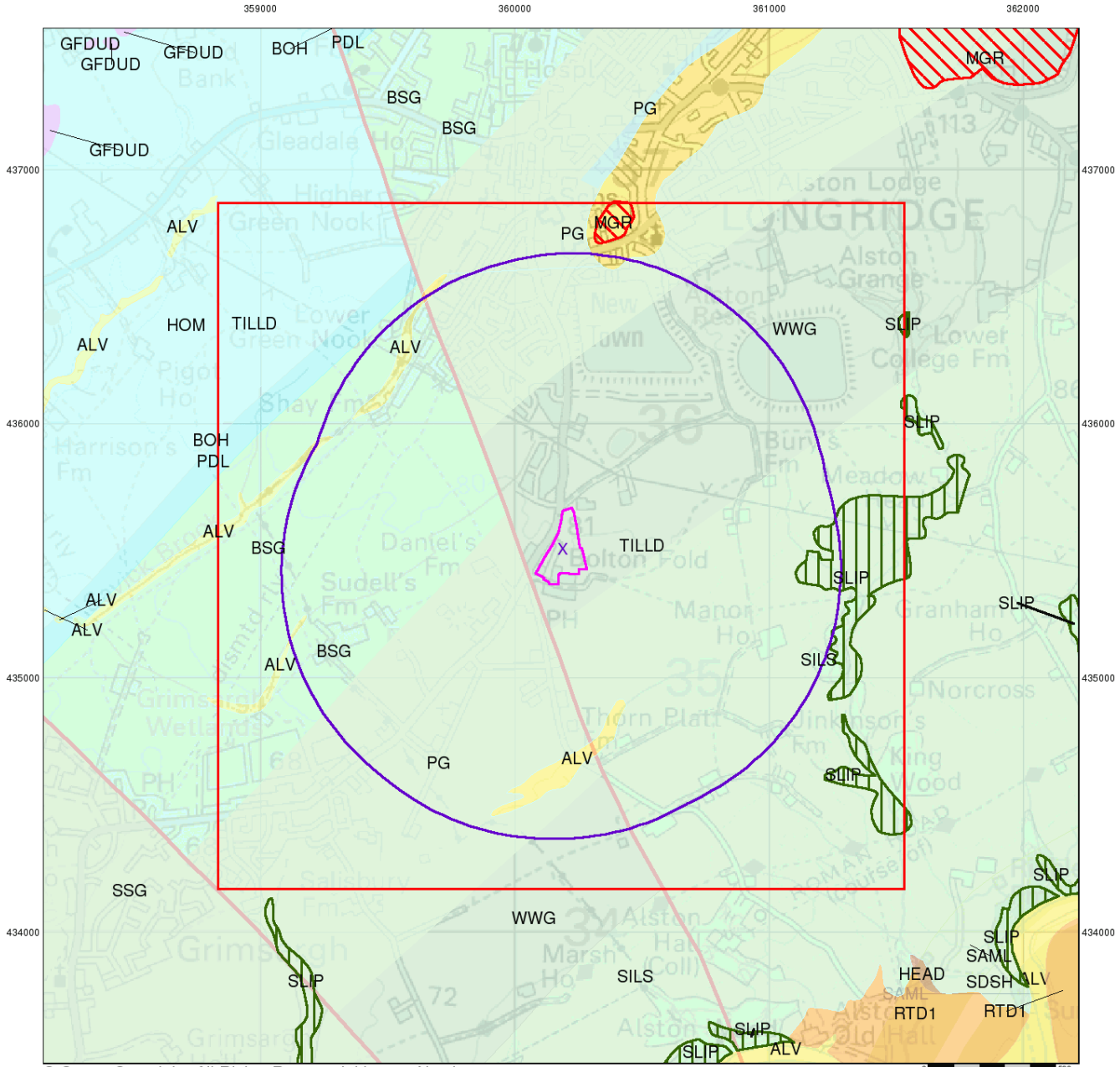

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

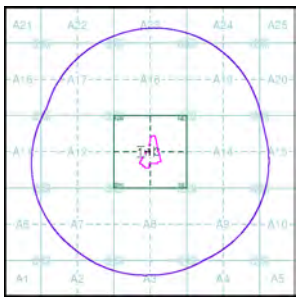
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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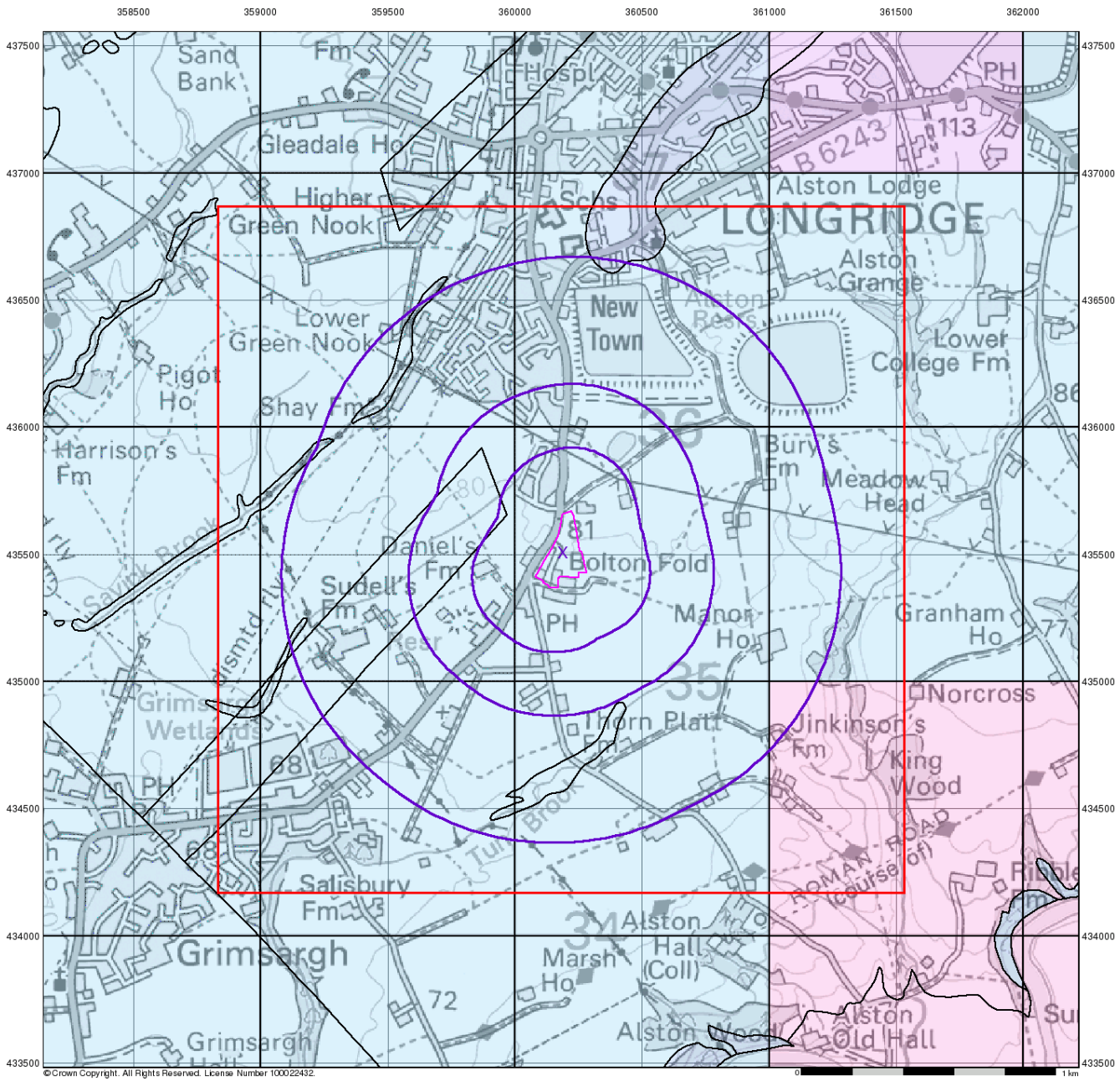

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Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

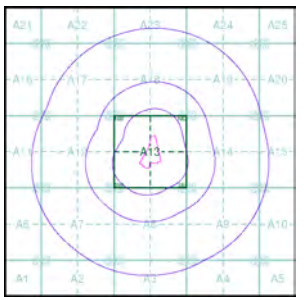
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

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National Grid Reference:	360190, 435510
Slice:	A
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Site Details

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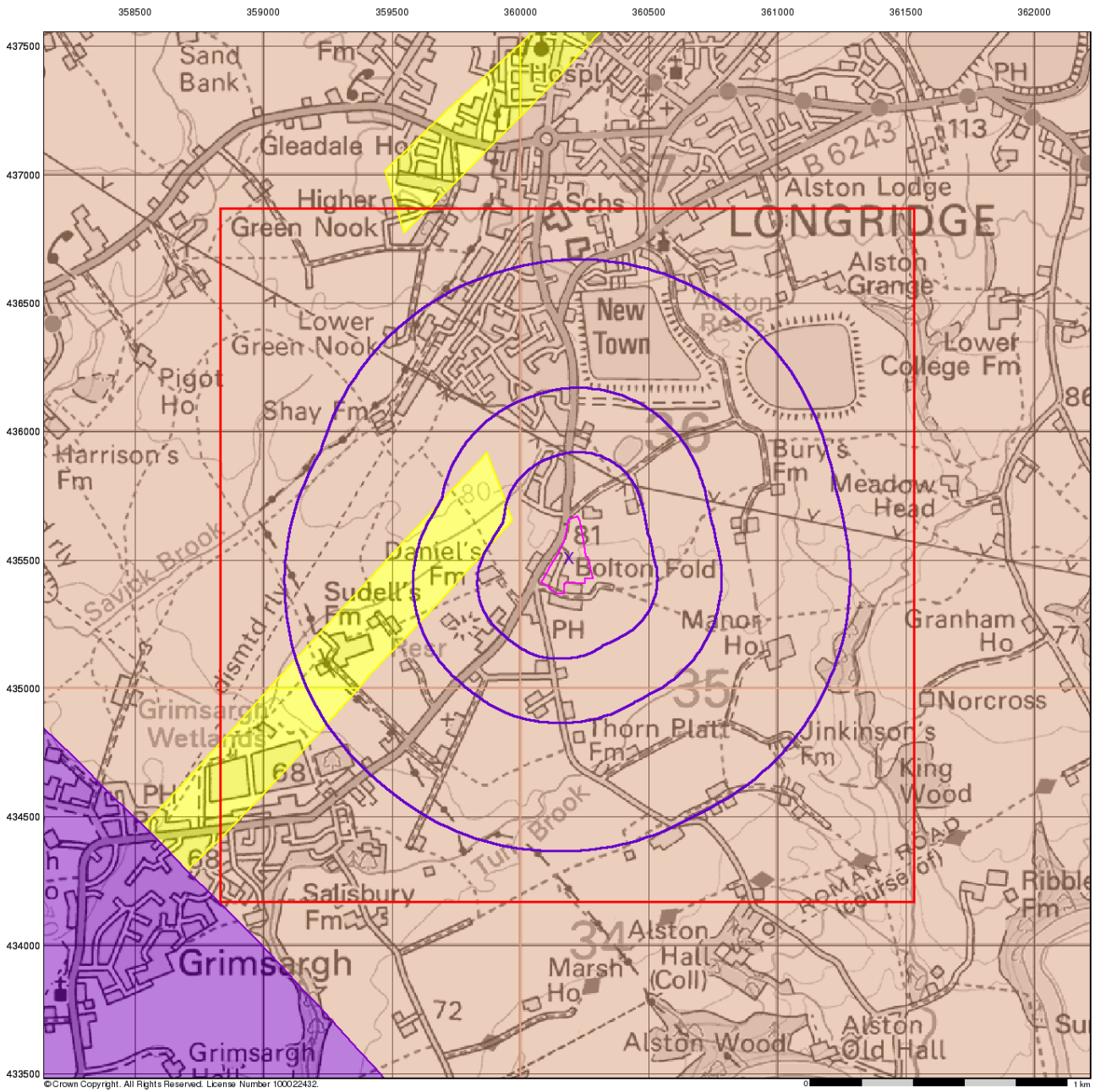

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LANDMARK INFORMATION GROUP

Bedrock Aquifer Designation

General

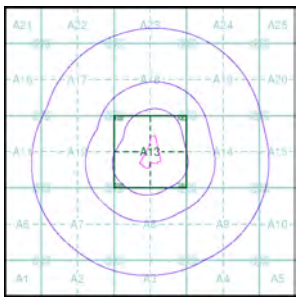
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

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National Grid Reference:	360190, 435510
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Site Details

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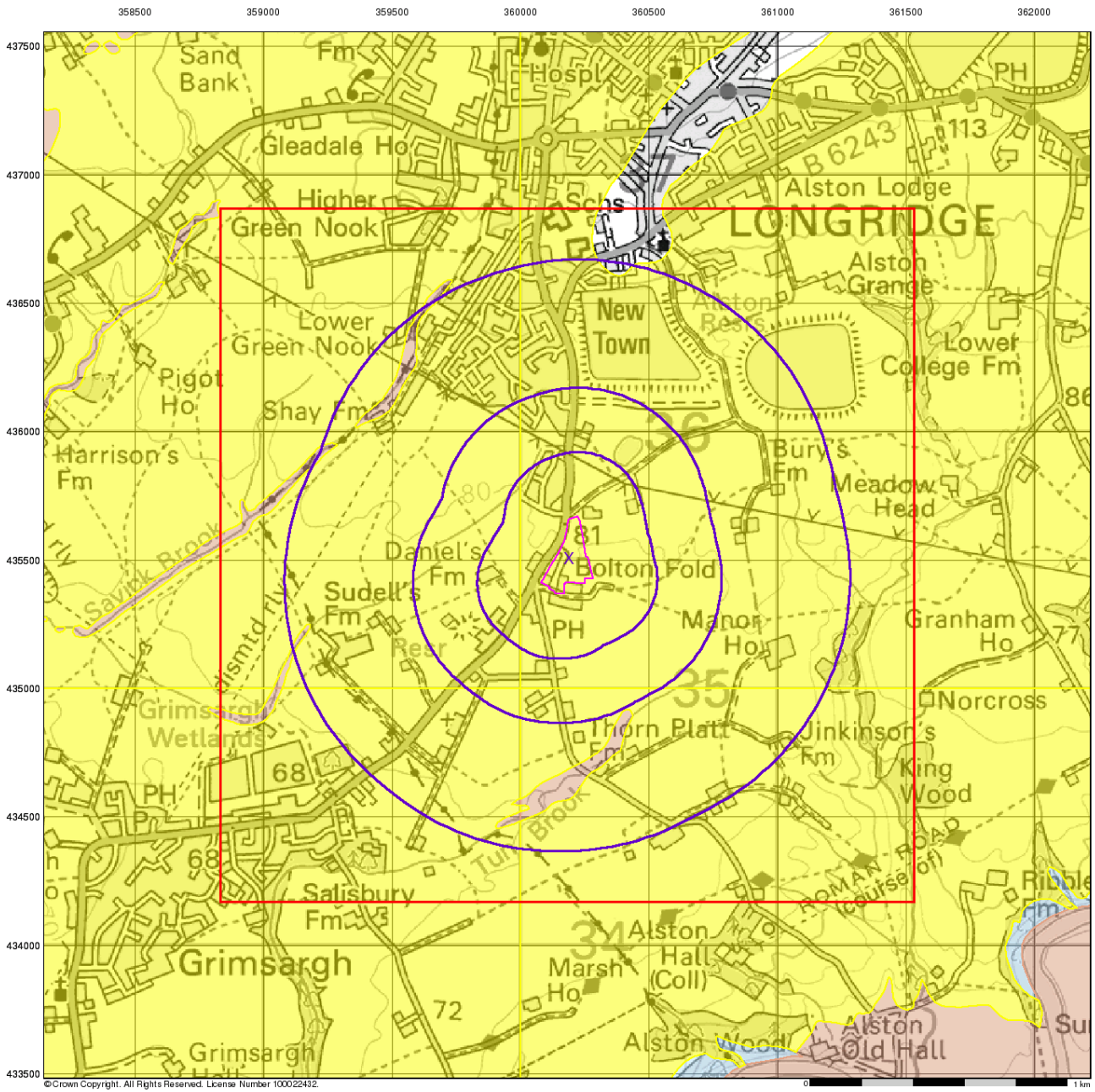

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LANDMARK INFORMATION GROUP

Superficial Aquifer Designation

General

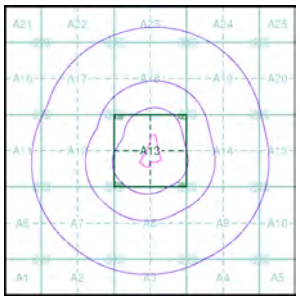
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

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Slice:	A
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Site Details

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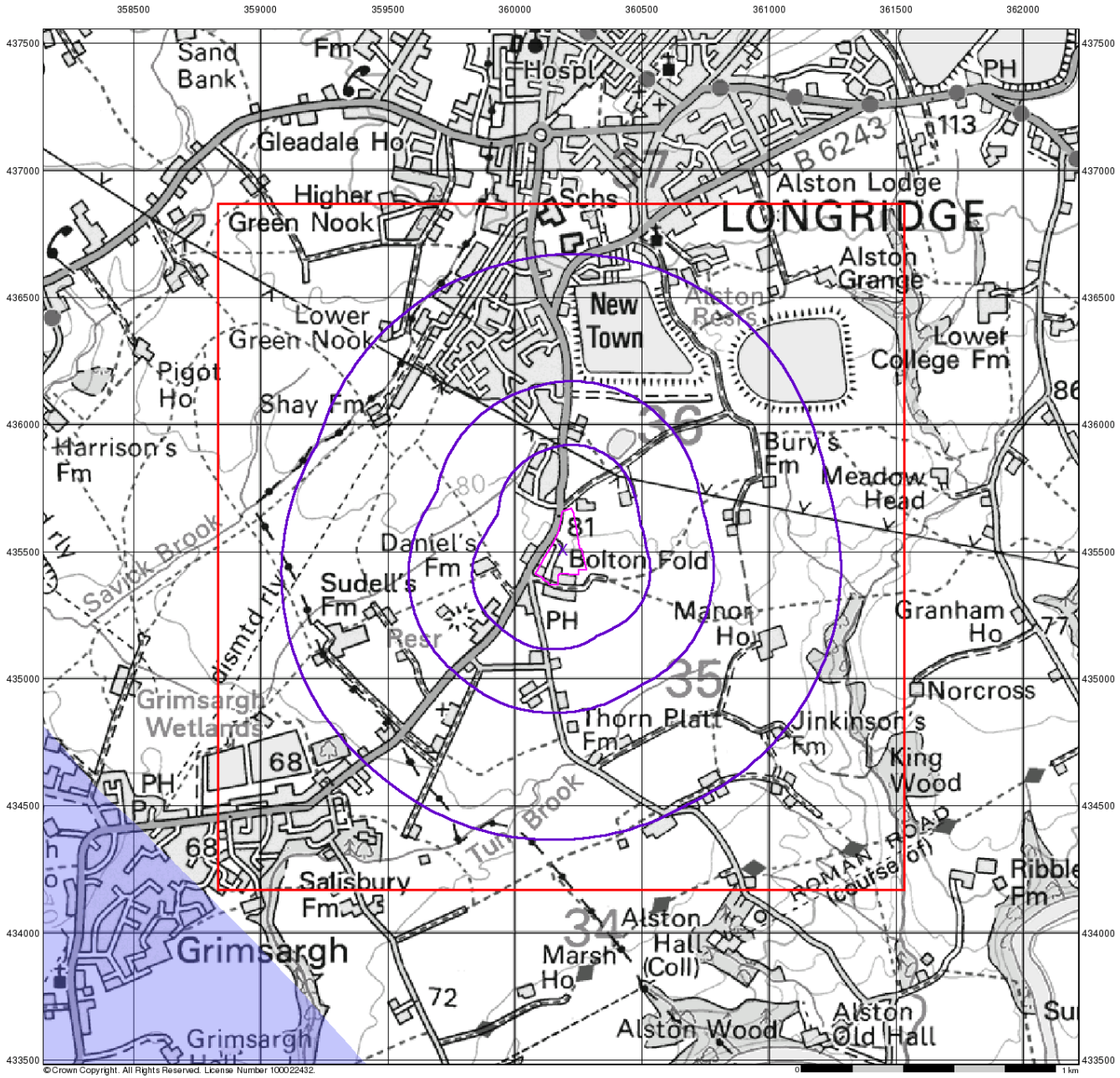

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LANDMARK INFORMATION GROUP

Source Protection Zones

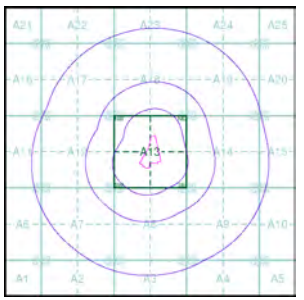
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

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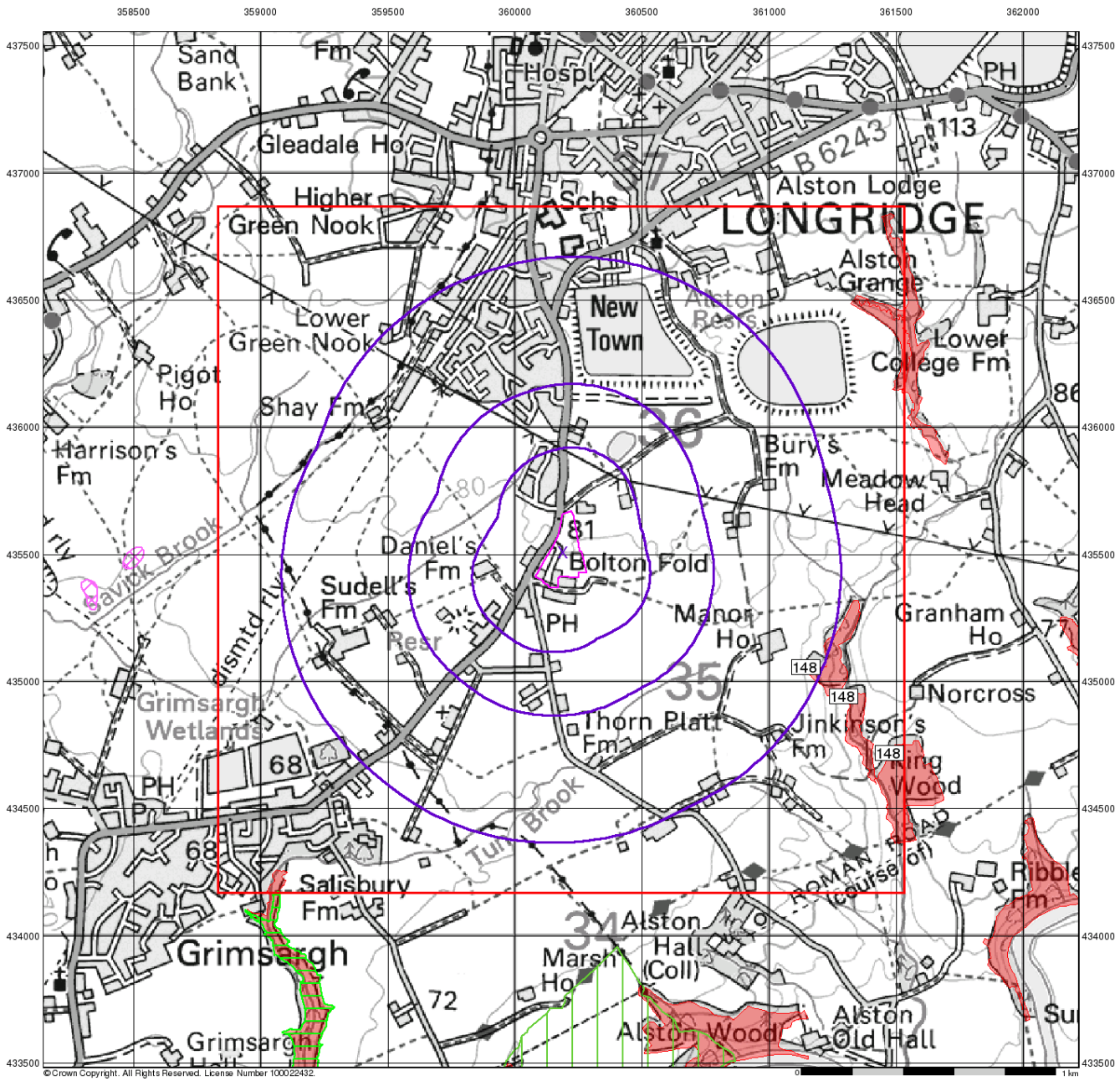
Site Details

Alston Dairy, Alston Lane, PRESTON, PR3 3BN

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Sensitive Land Uses

General

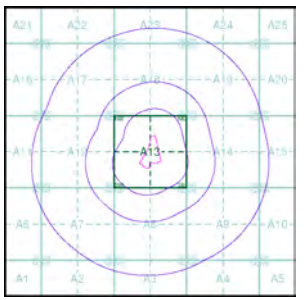
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A

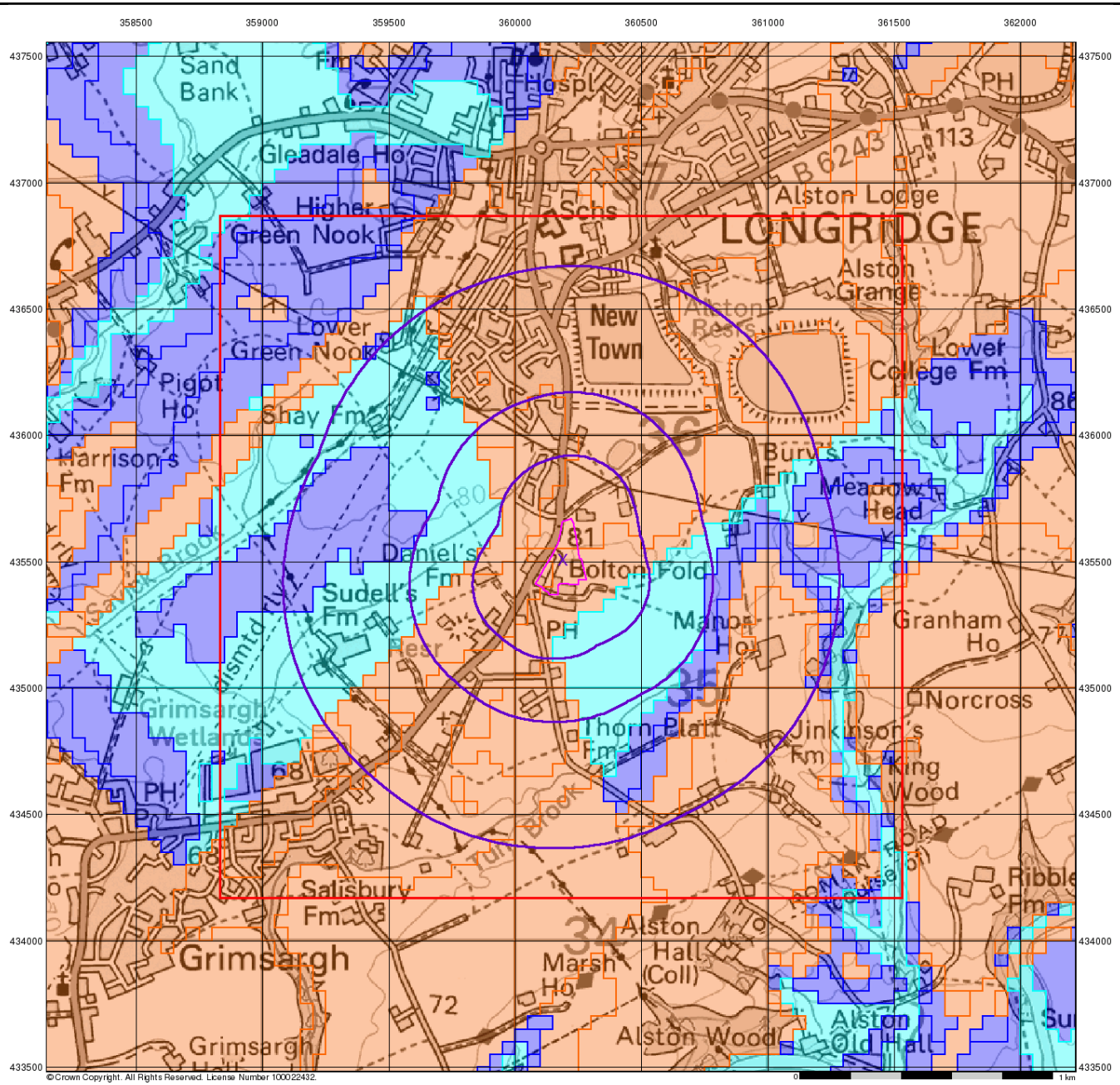


Order Details

Order Number:	293088206_1_1
Customer Ref:	1269
National Grid Reference:	360190, 435510
Slice:	A
Site Area (Ha):	2.96
Search Buffer (m):	1000

Site Details

Alston Dairy, Alston Lane, PRESTON, PR3 3BN



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BGS Flood GFS Data

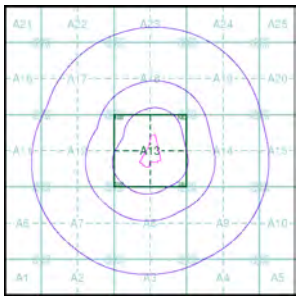
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



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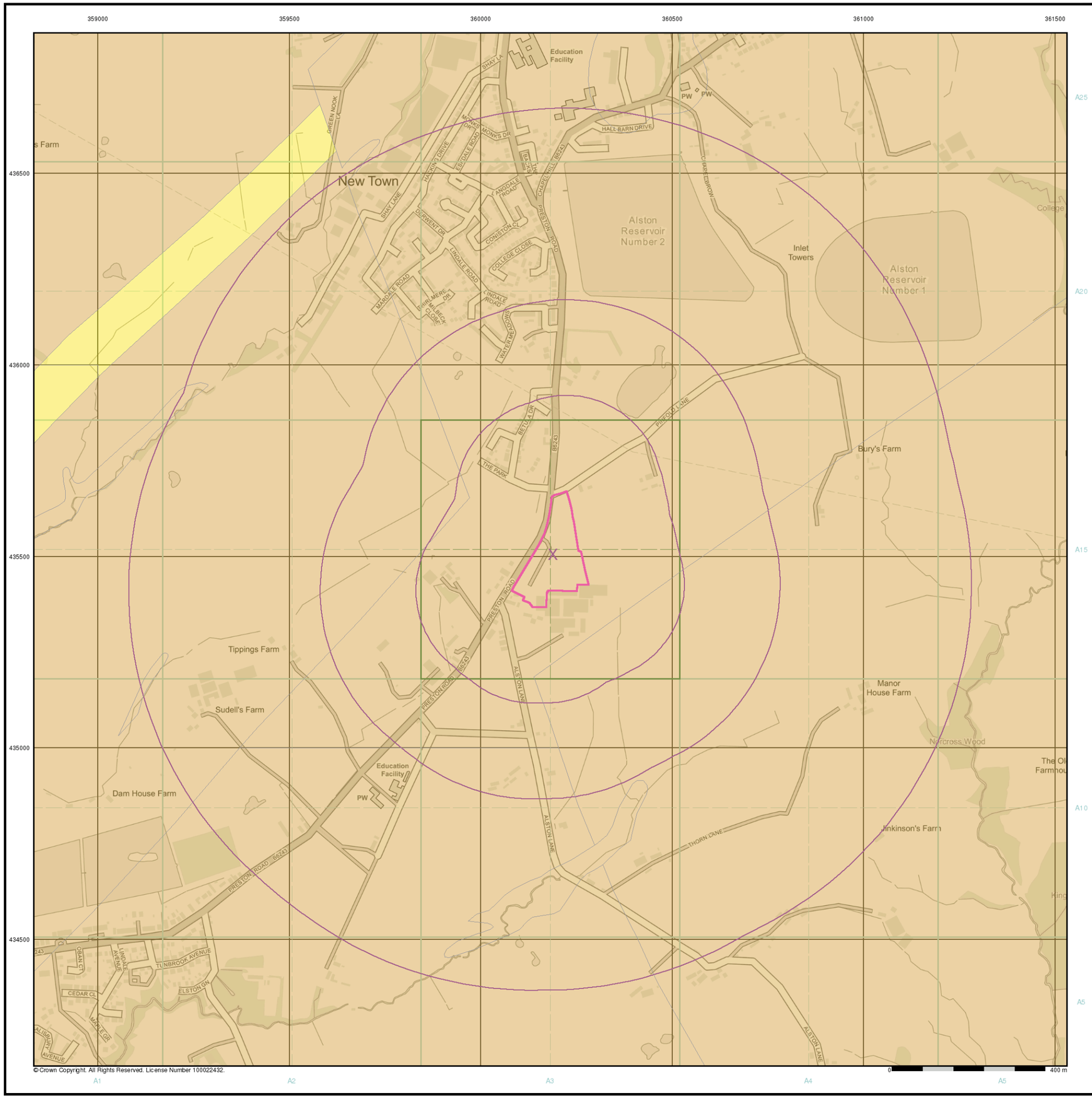

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LANDMARK INFORMATION GROUP®

General

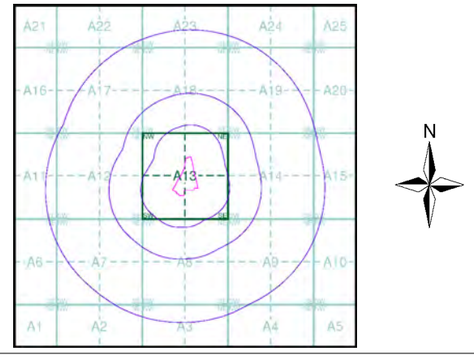
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



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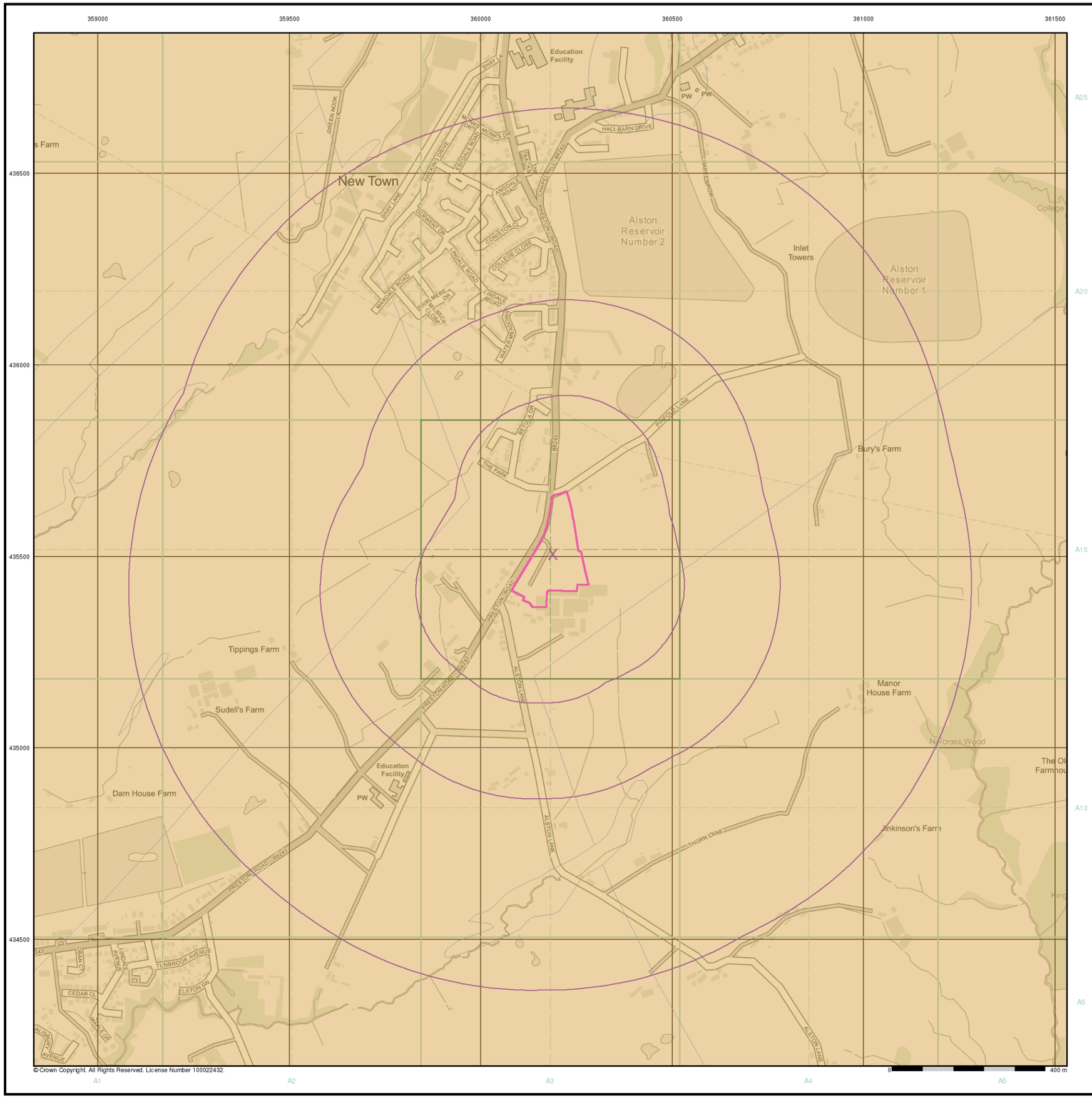

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LANDMARK INFORMATION GROUP®

General

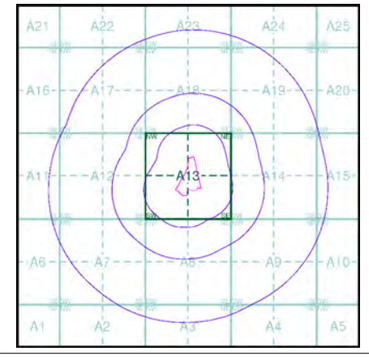
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



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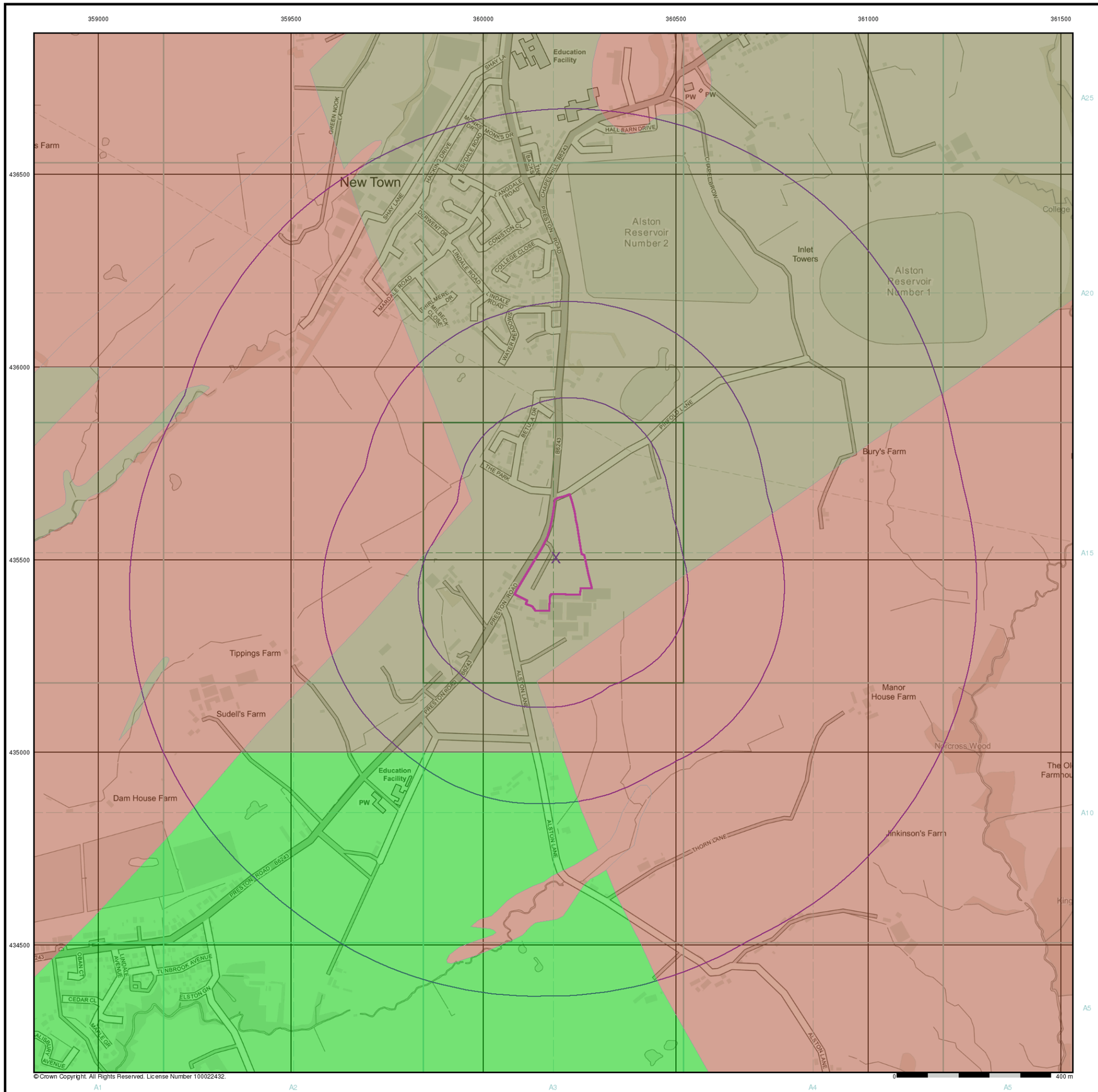

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LANDMARK INFORMATION GROUP®

General

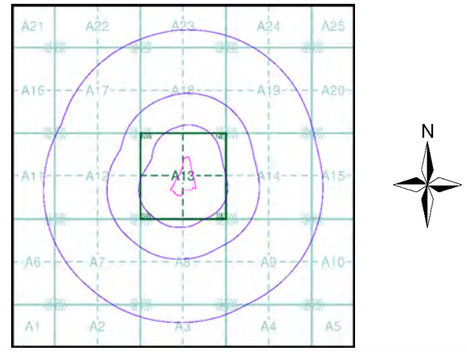
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



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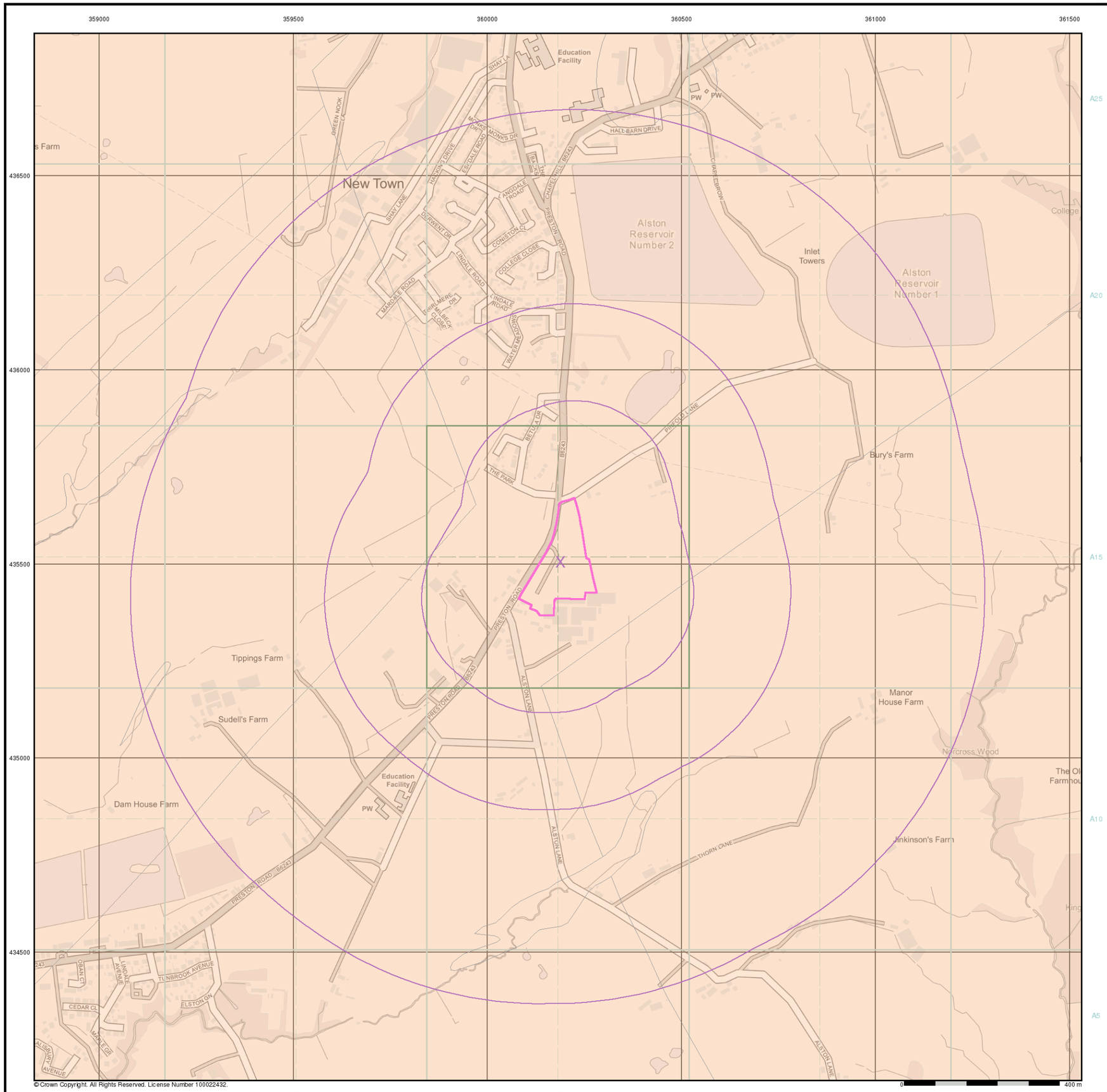

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LANDMARK INFORMATION GROUP®

General

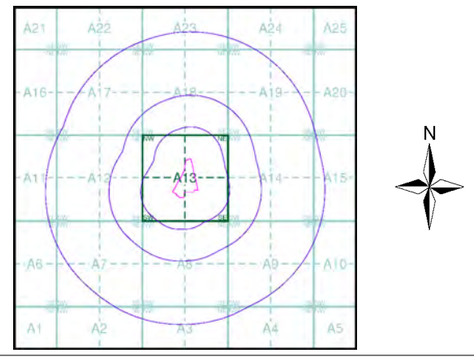
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



Order Details

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Slice:	A
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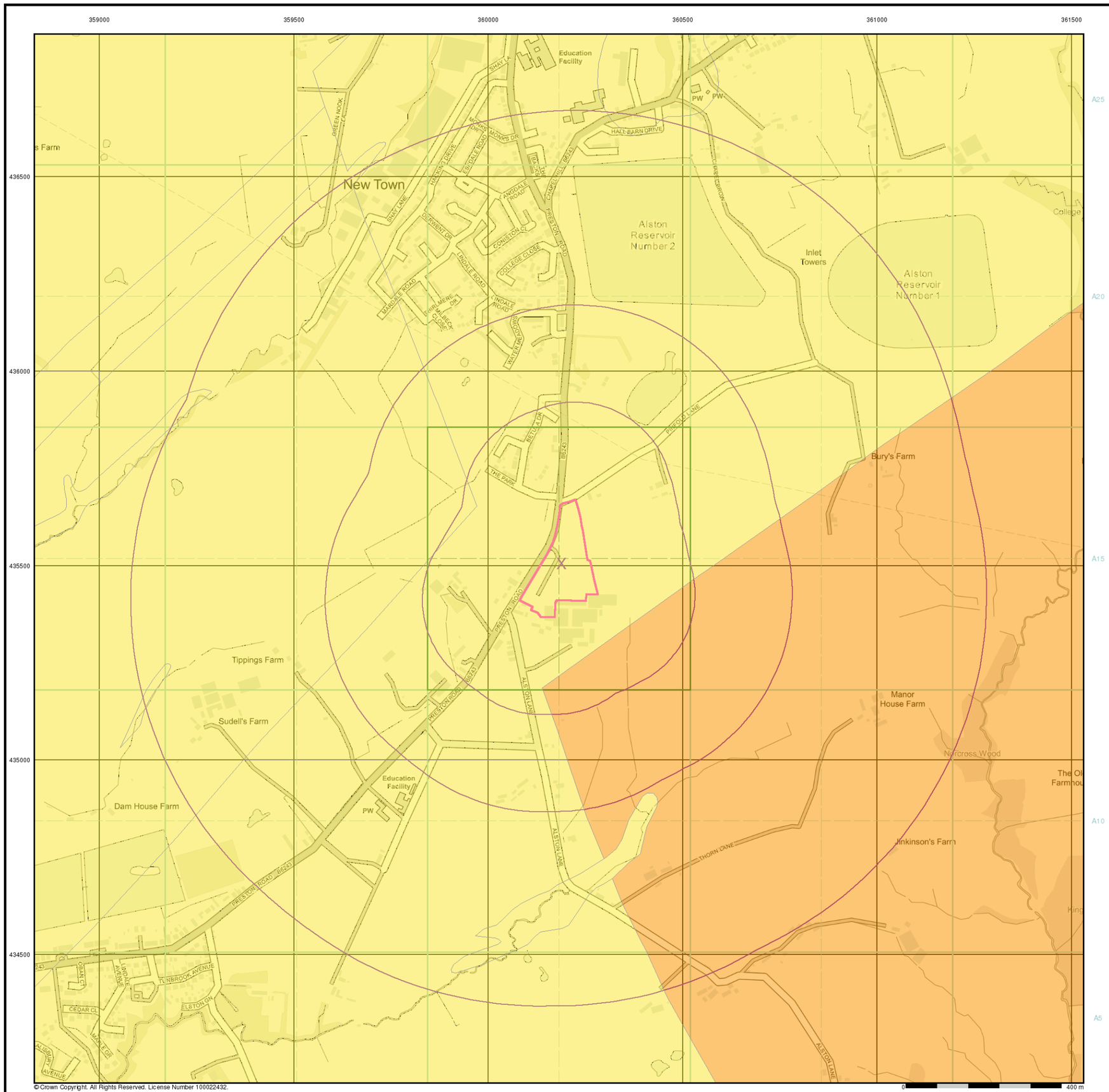

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LANDMARK INFORMATION GROUP®

General

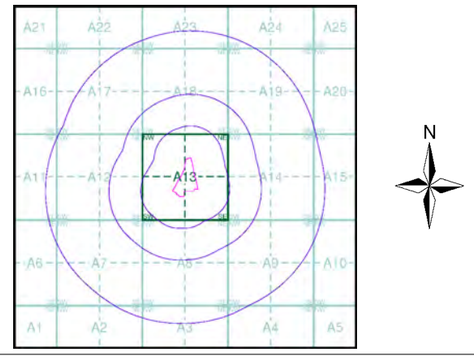
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



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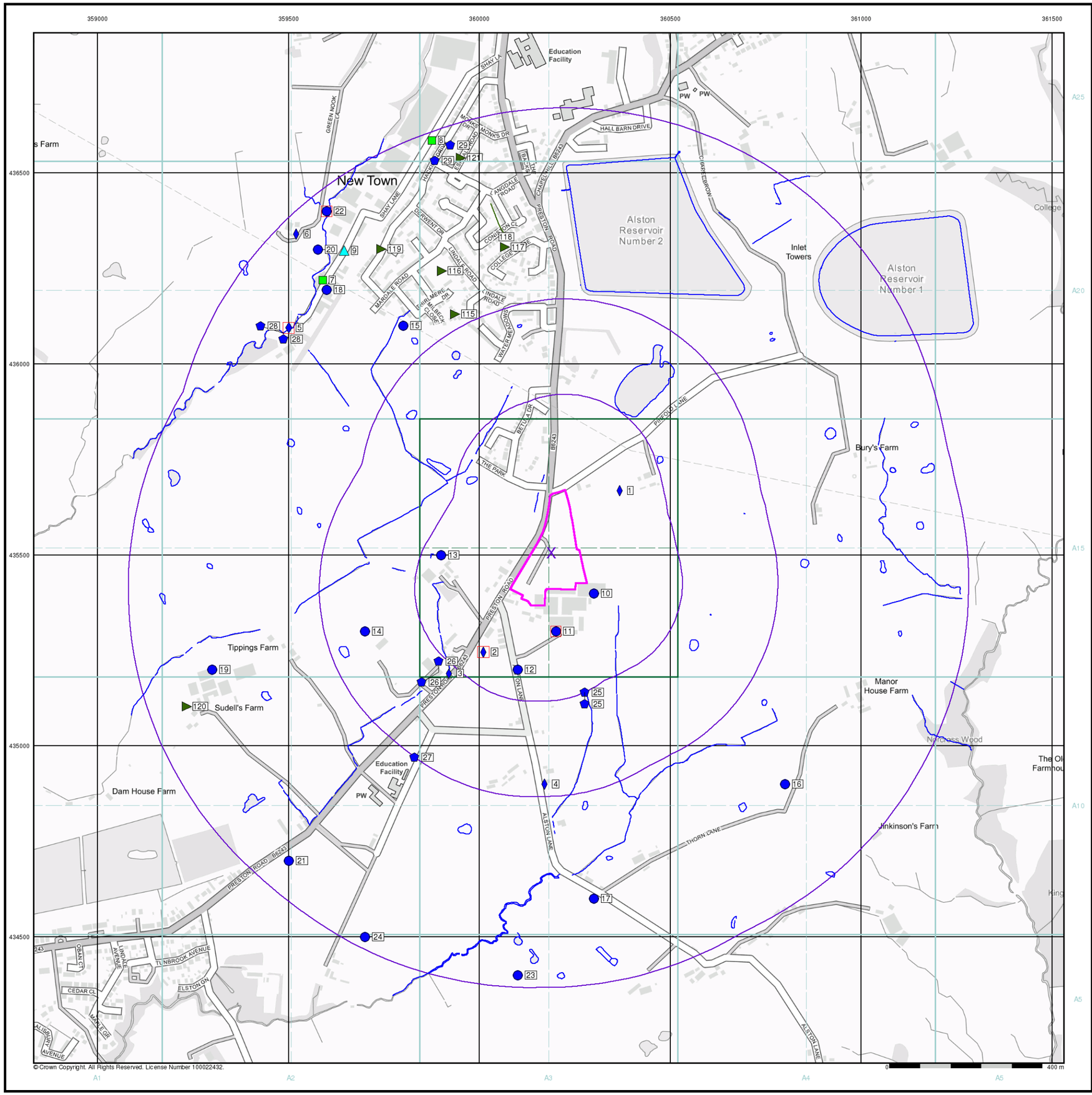

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LANDMARK INFORMATION GROUP®

General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

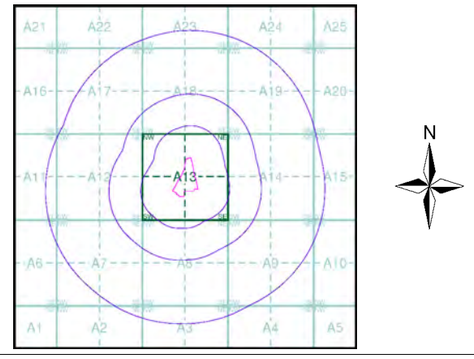
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



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Order Number:	293088206_1_1
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National Grid Reference:	360190, 435510
Slice:	A
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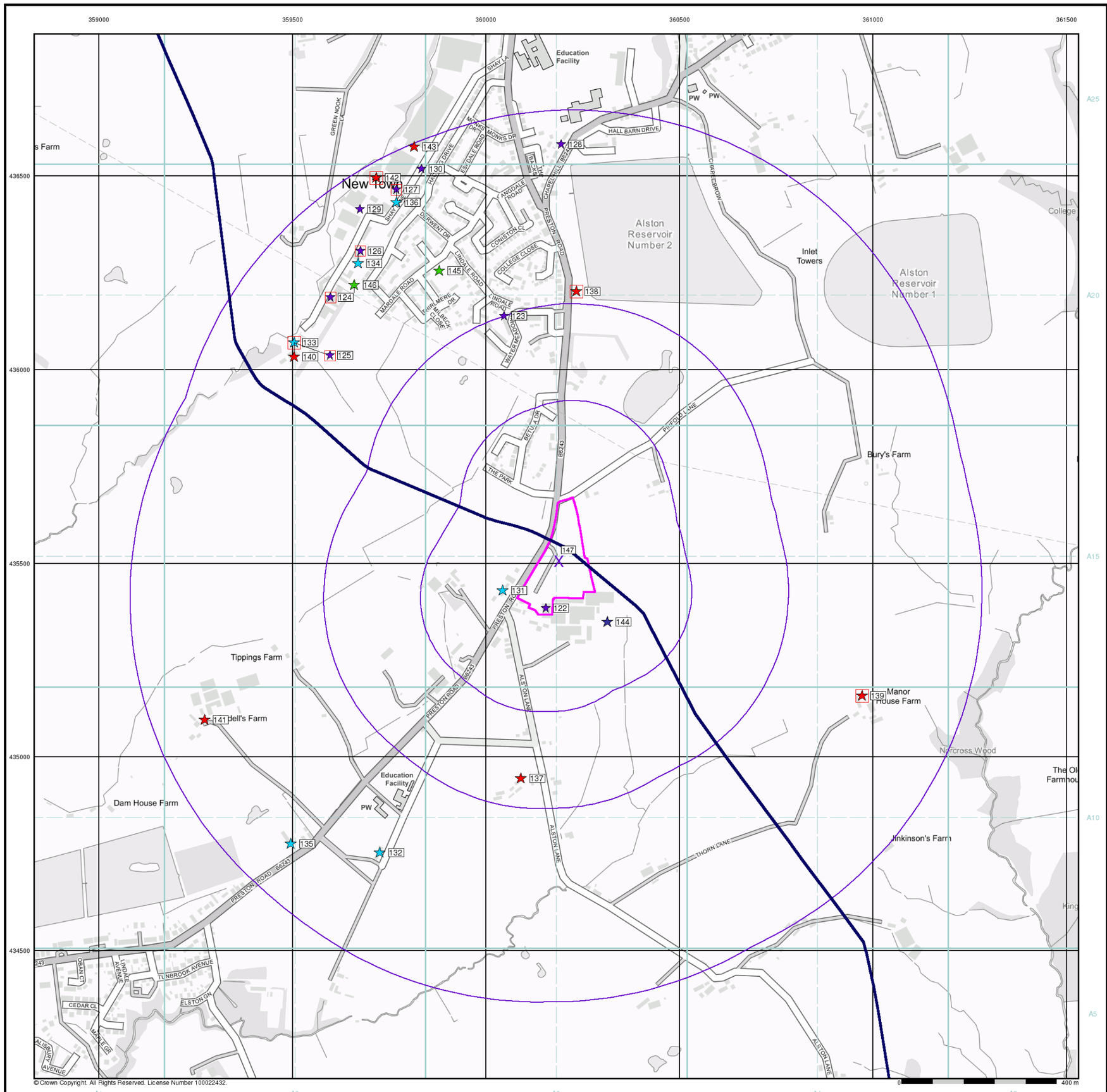

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Industrial Land Use Map

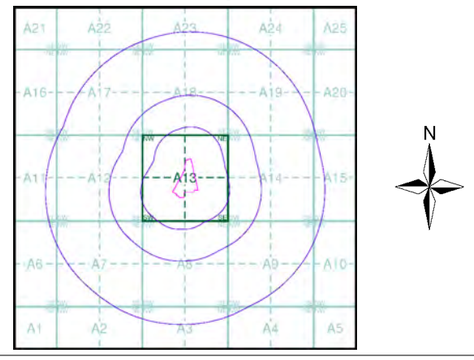
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

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National Grid Reference:	360190, 435510
Slice:	A
Site Area (Ha):	2.96
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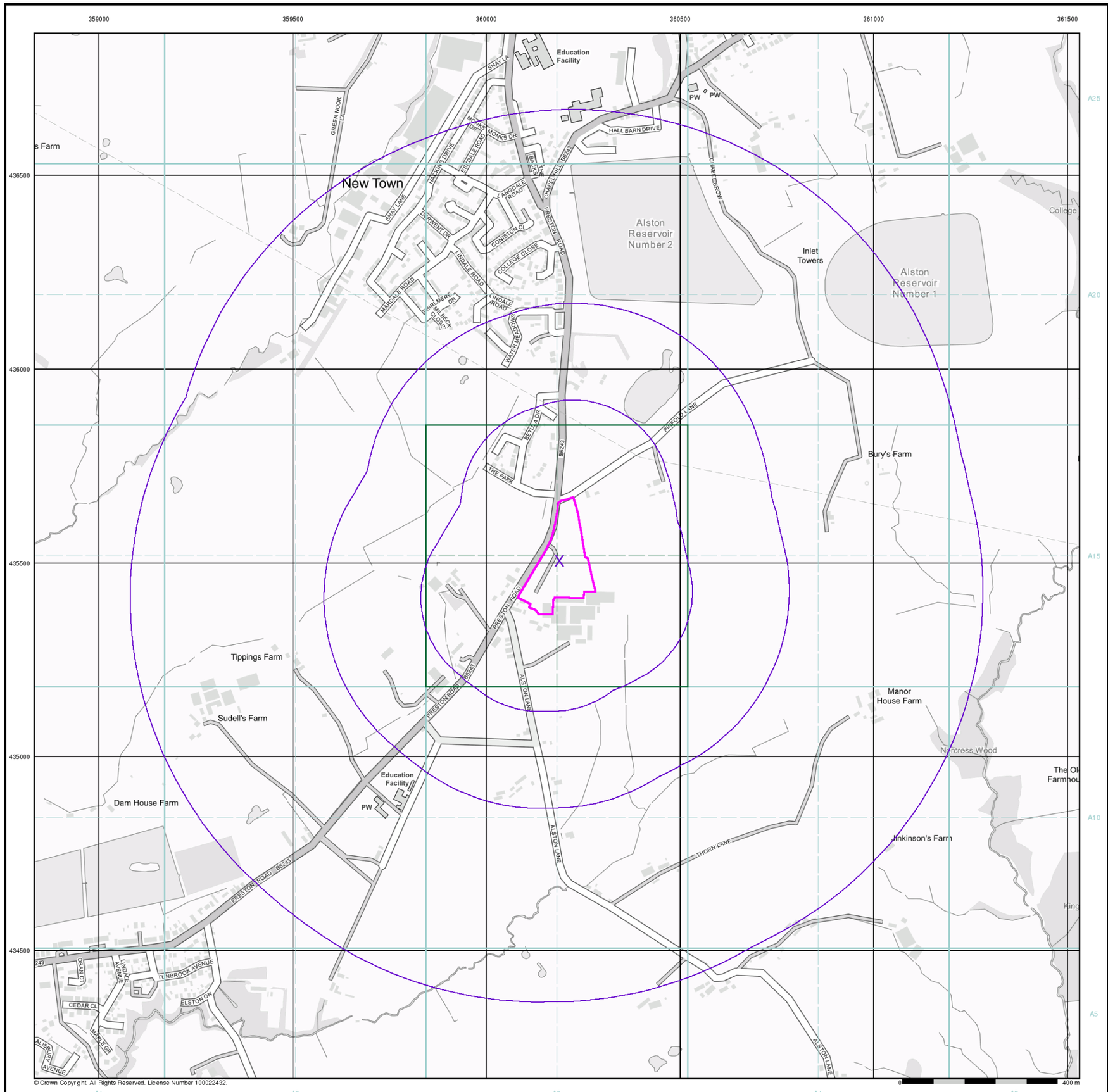

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LANDMARK INFORMATION GROUP®

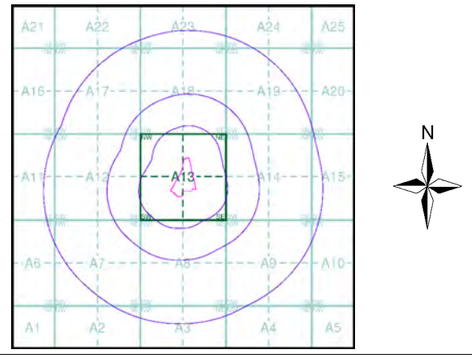
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



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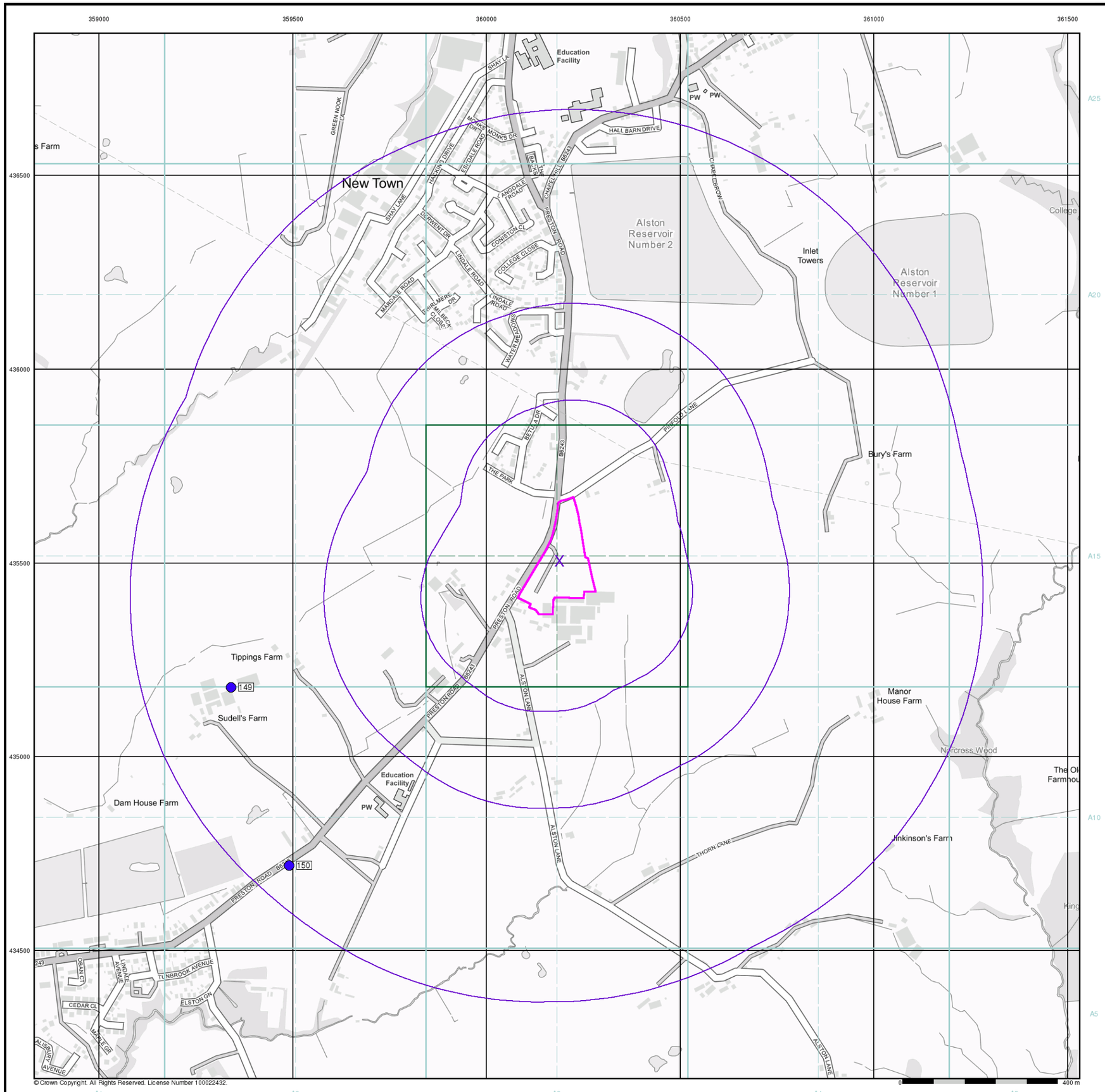

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LANDMARK INFORMATION GROUP®

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

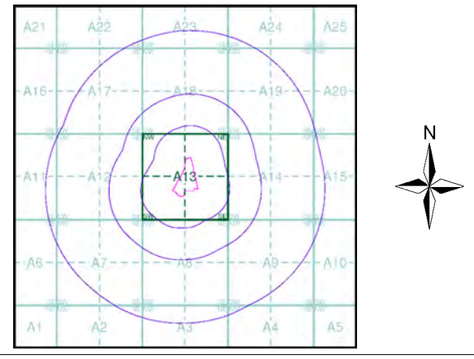
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



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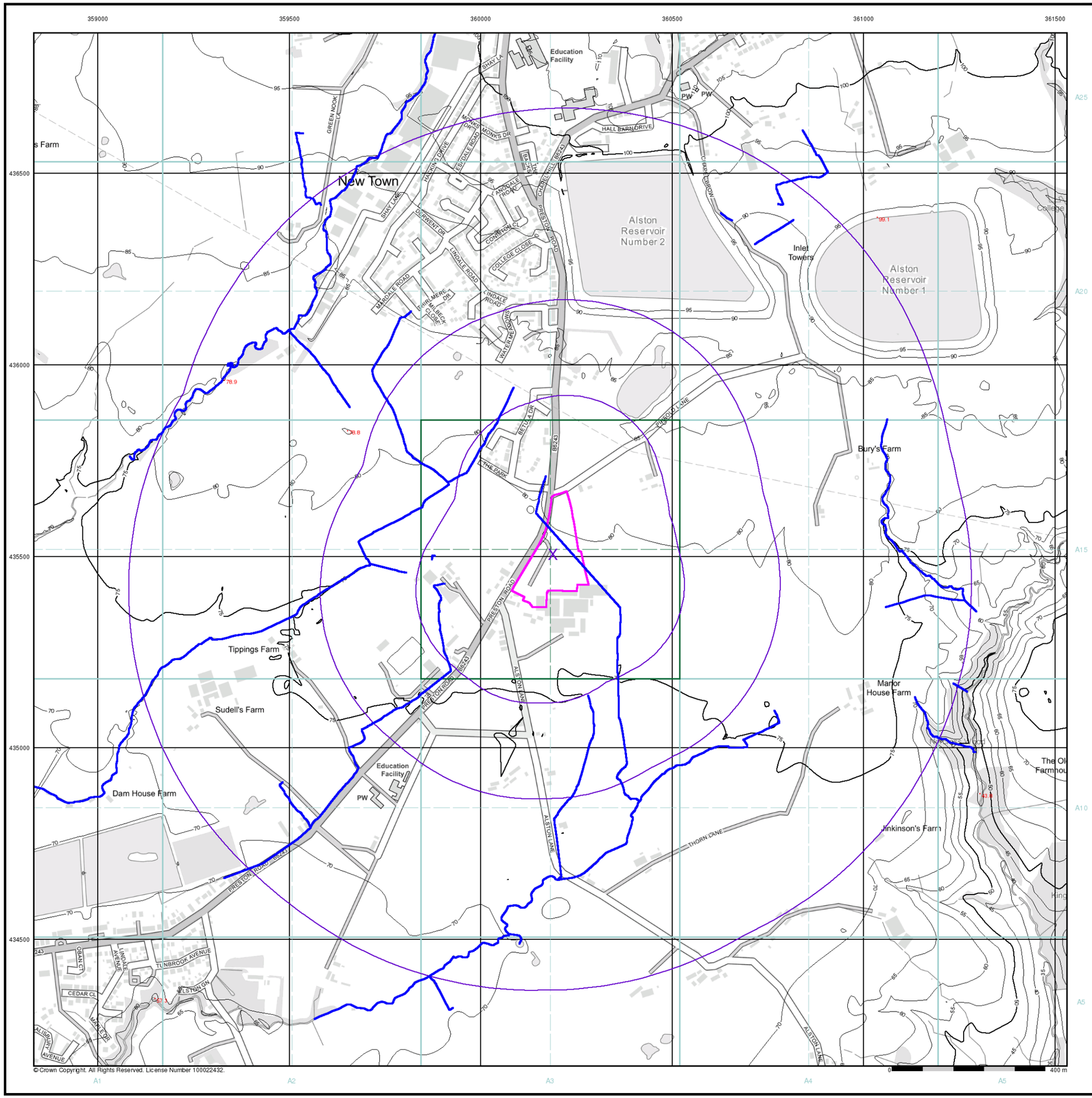

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LANDMARK INFORMATION GROUP®

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

Contours (height in meters)

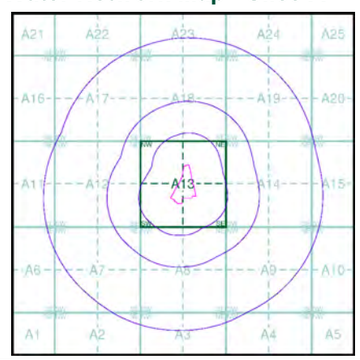
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



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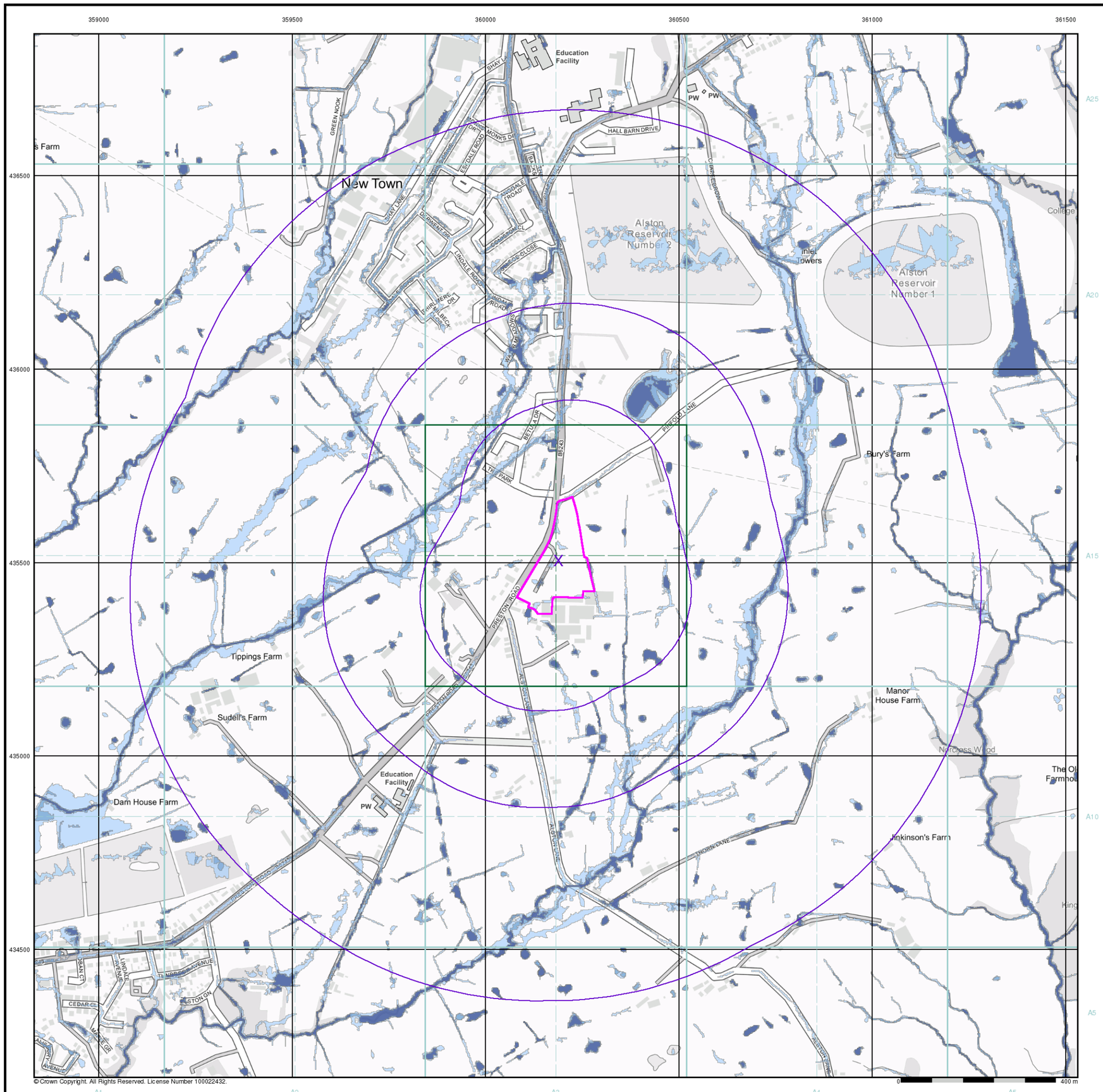

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LANDMARK INFORMATION GROUP®

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

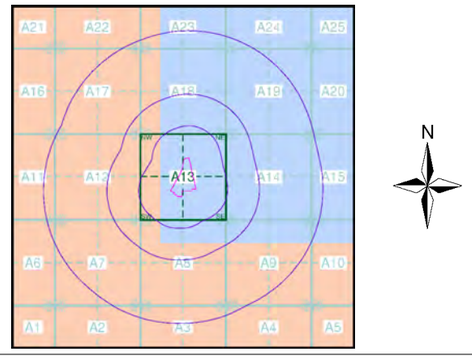
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



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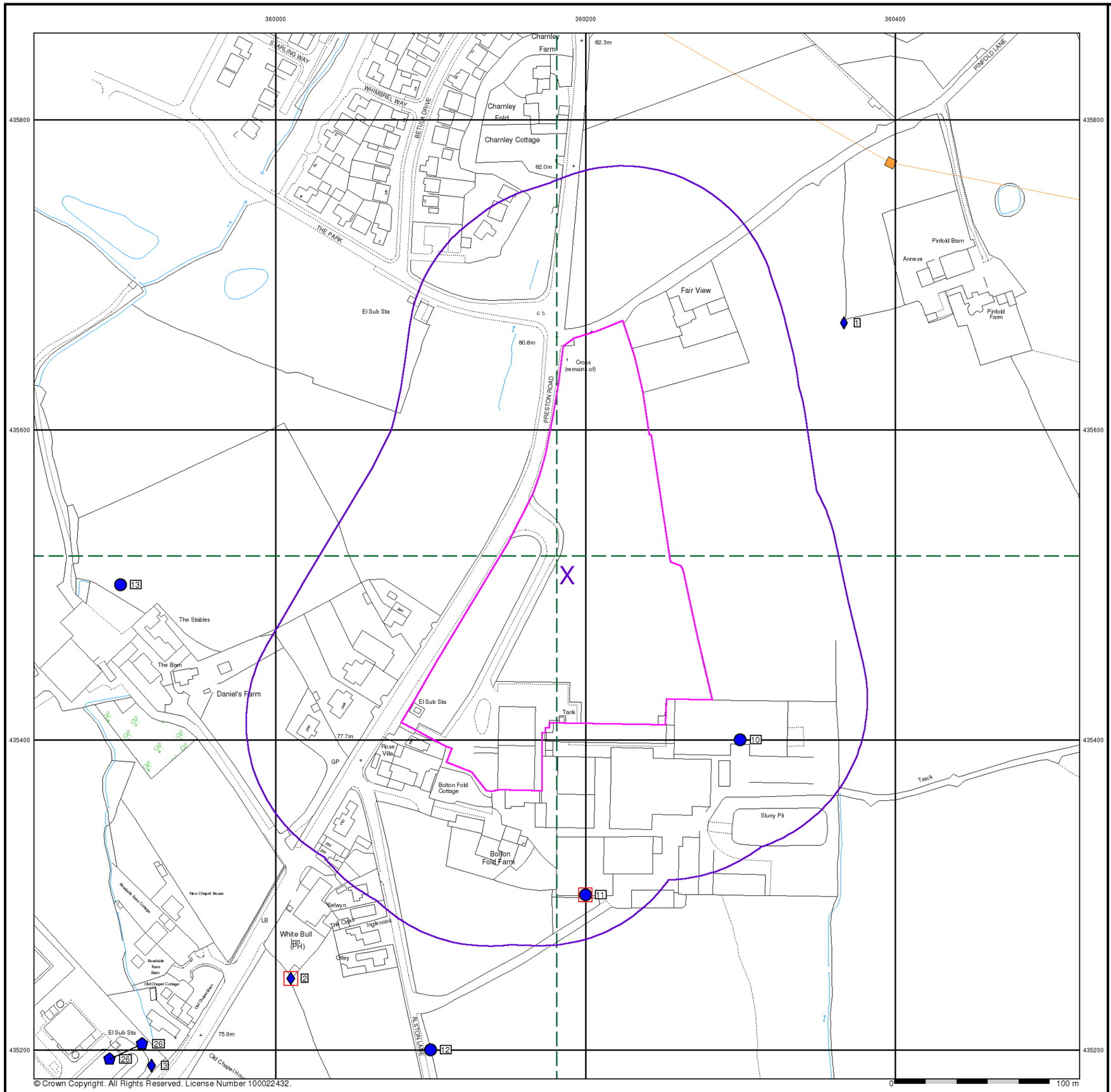

Envirocheck®

LANDMARK INFORMATION GROUP®

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
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- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
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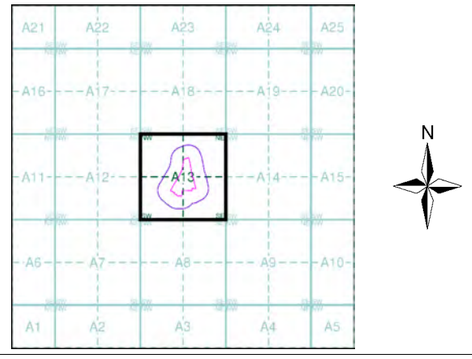
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13



Order Details

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Plot Buffer (m):	100

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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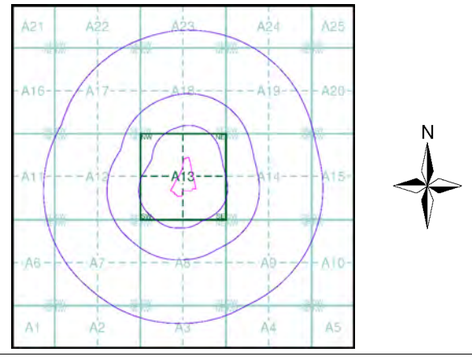
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1847	2
Lancashire And Furness	1:10,560	1895	3
Lancashire And Furness	1:10,560	1913 - 1914	4
Lancashire And Furness	1:10,560	1932	5
Ordnance Survey Plan	1:10,000	1955 - 1956	6
Ordnance Survey Plan	1:10,000	1965 - 1968	7
Ordnance Survey Plan	1:10,000	1970	8
Ordnance Survey Plan	1:10,000	1970	9
Ordnance Survey Plan	1:10,000	1980 - 1988	10
Ordnance Survey Plan	1:10,000	1993 - 1994	11
10K Raster Mapping	1:10,000	2001	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2021	14

Historical Map - Slice A



Order Details

Order Number: 293088206_1_1
Customer Ref: 1269
National Grid Reference: 360190, 435510
Slice: A
Site Area (Ha): 2.96
Search Buffer (m): 1000

Site Details

Alston Dairy, Alston Lane, PRESTON, PR3 3BN

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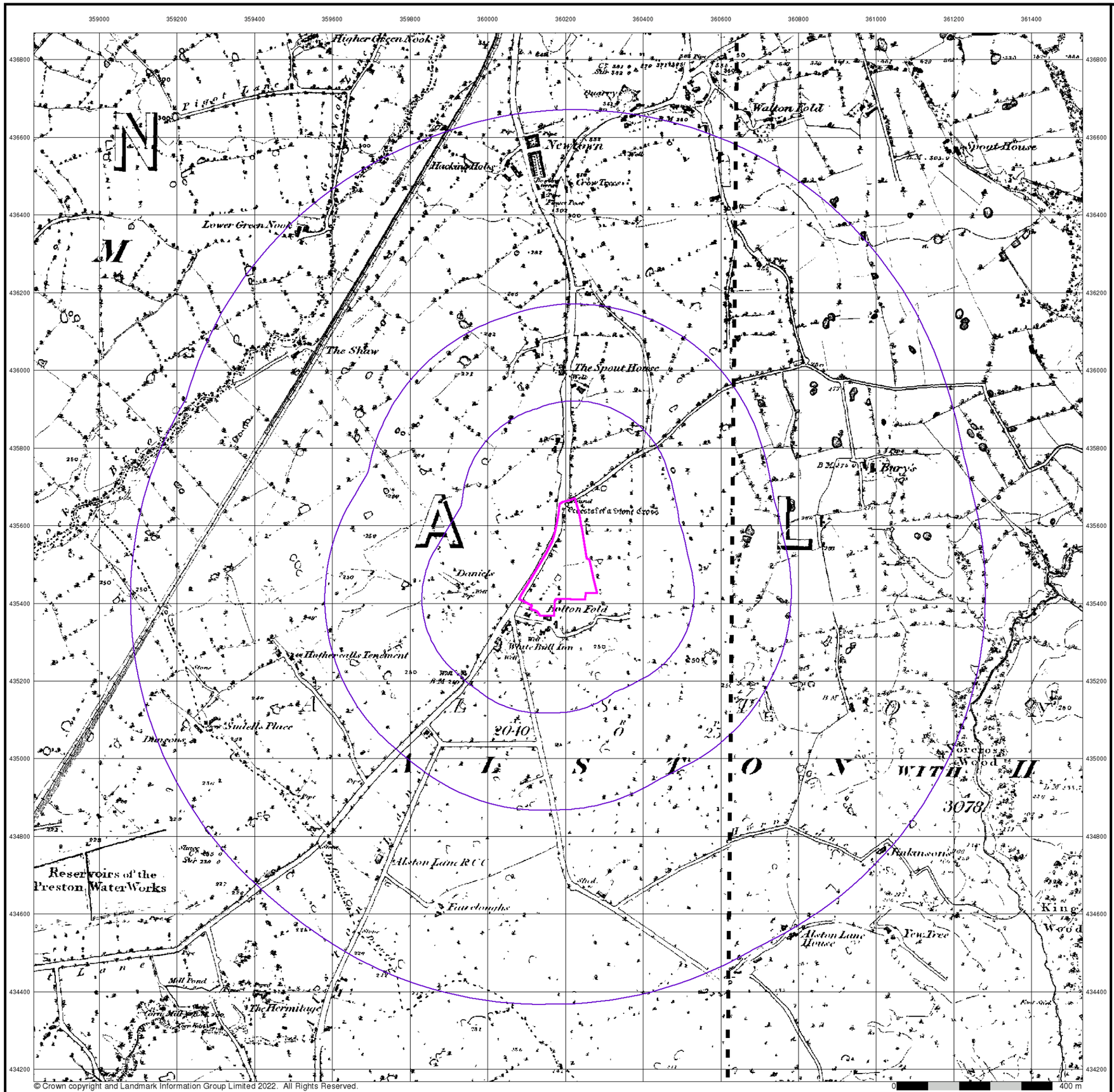

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Lancashire And Furness

Published 1847

Source map scale - 1:10,560

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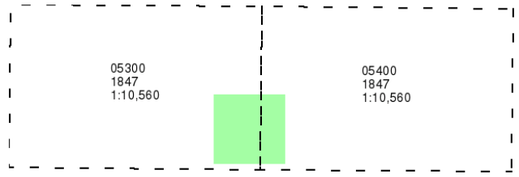
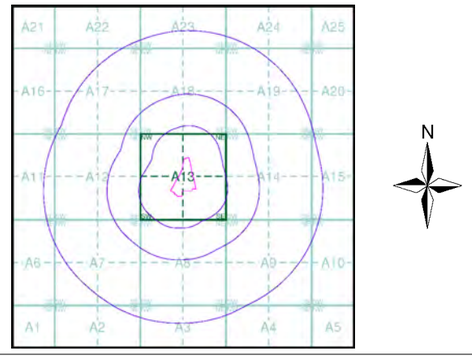


Historical Map - Slice A



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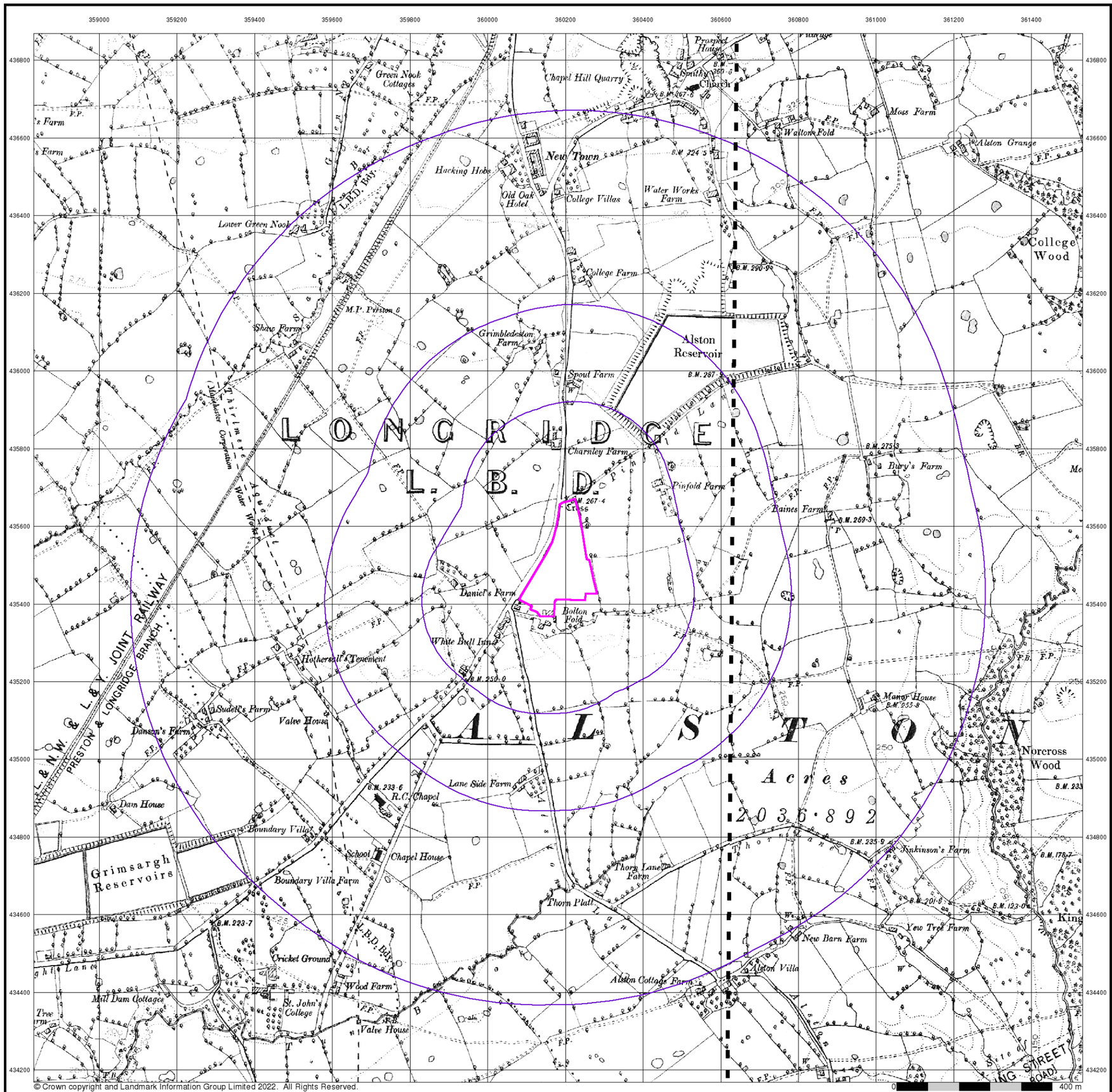

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Lancashire And Furness

Published 1895

Source map scale - 1:10,560

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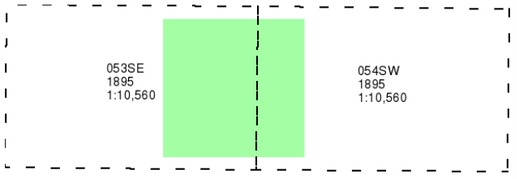
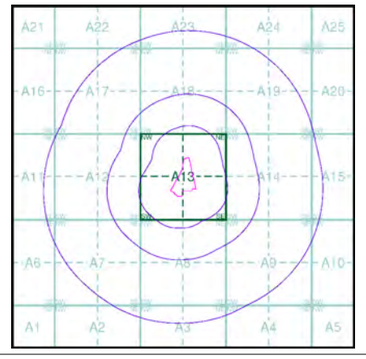


Historical Map - Slice A



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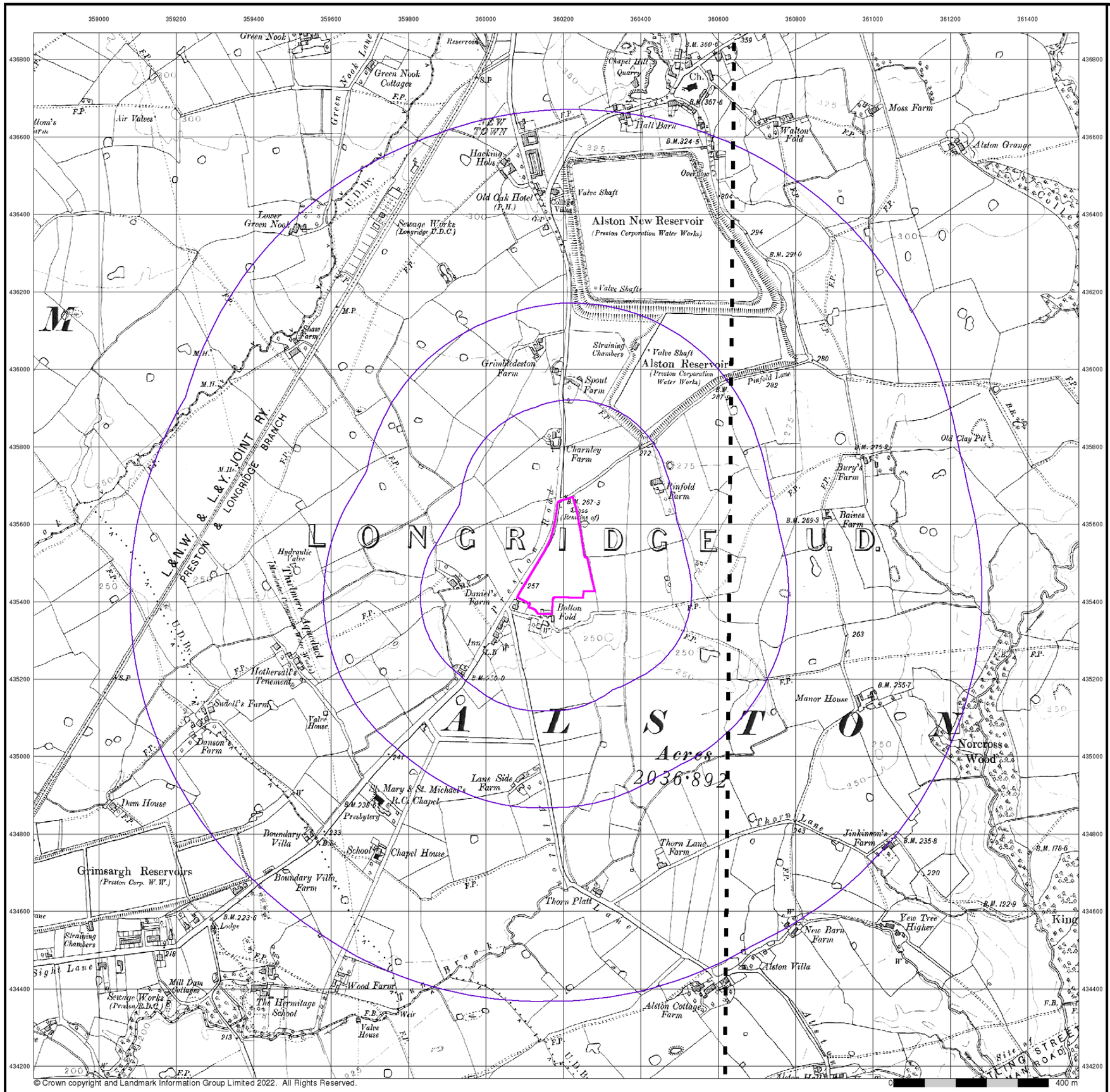

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Lancashire And Furness

Published 1913 - 1914

Source map scale - 1:10,560

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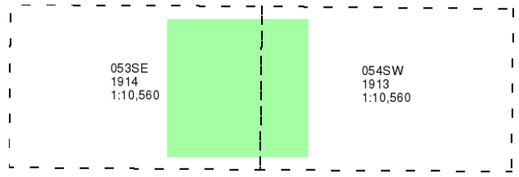
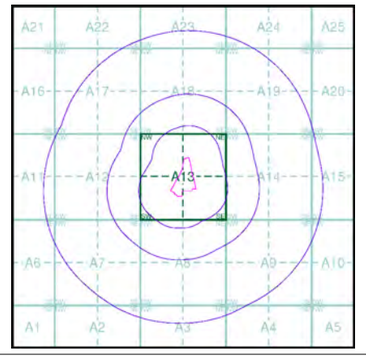


Historical Map - Slice A



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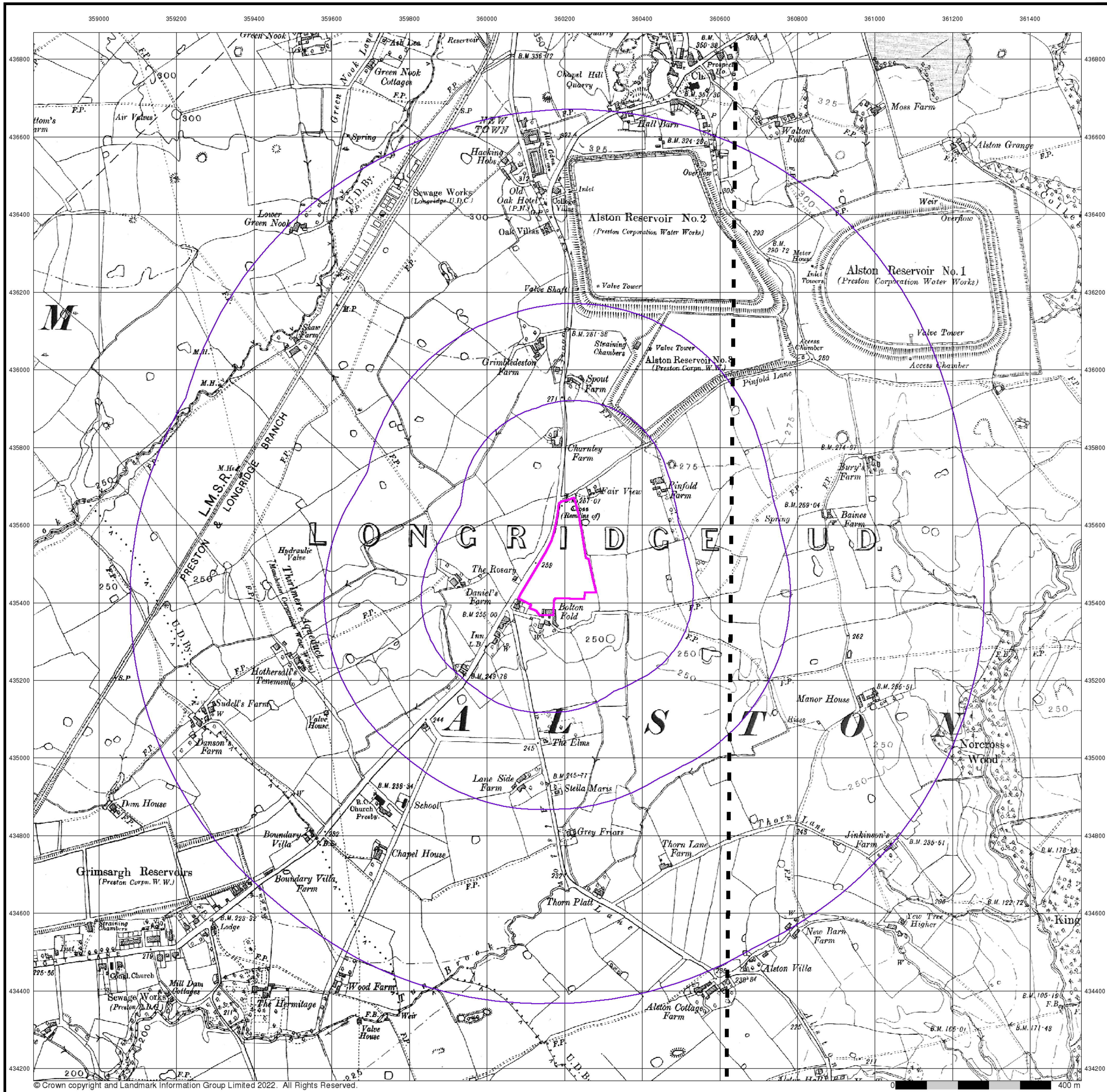

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Lancashire And Furness

Published 1932

Source map scale - 1:10,560

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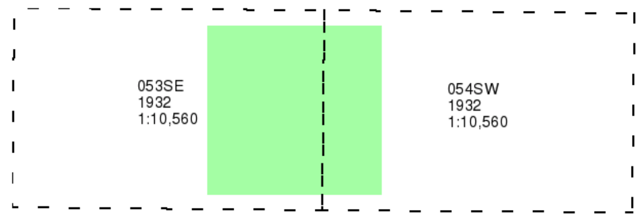
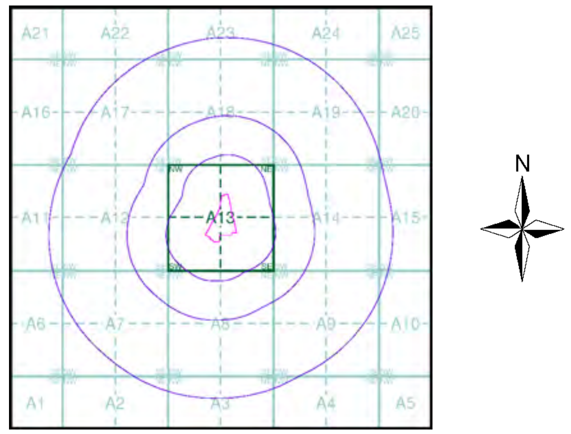


Historical Map - Slice A



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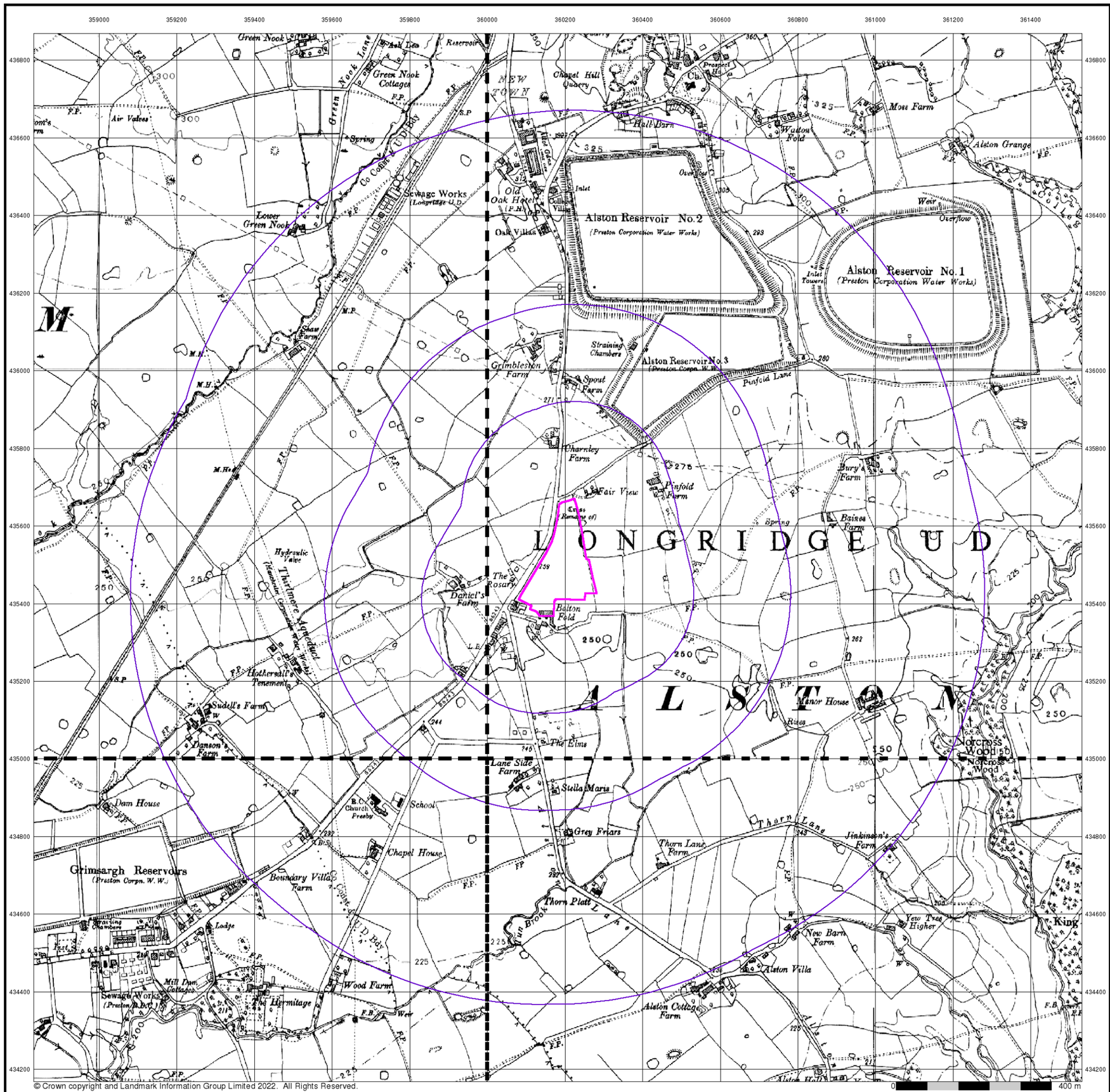

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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

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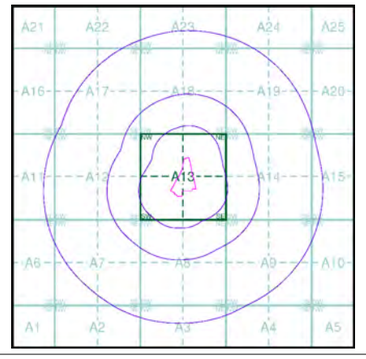
Map Name(s) and Date(s)

SD53NE 1956 1:10,560	SD63NW 1956 1:10,560
SD53SE 1955 1:10,560	SD63SW 1956 1:10,560

Historical Map - Slice A



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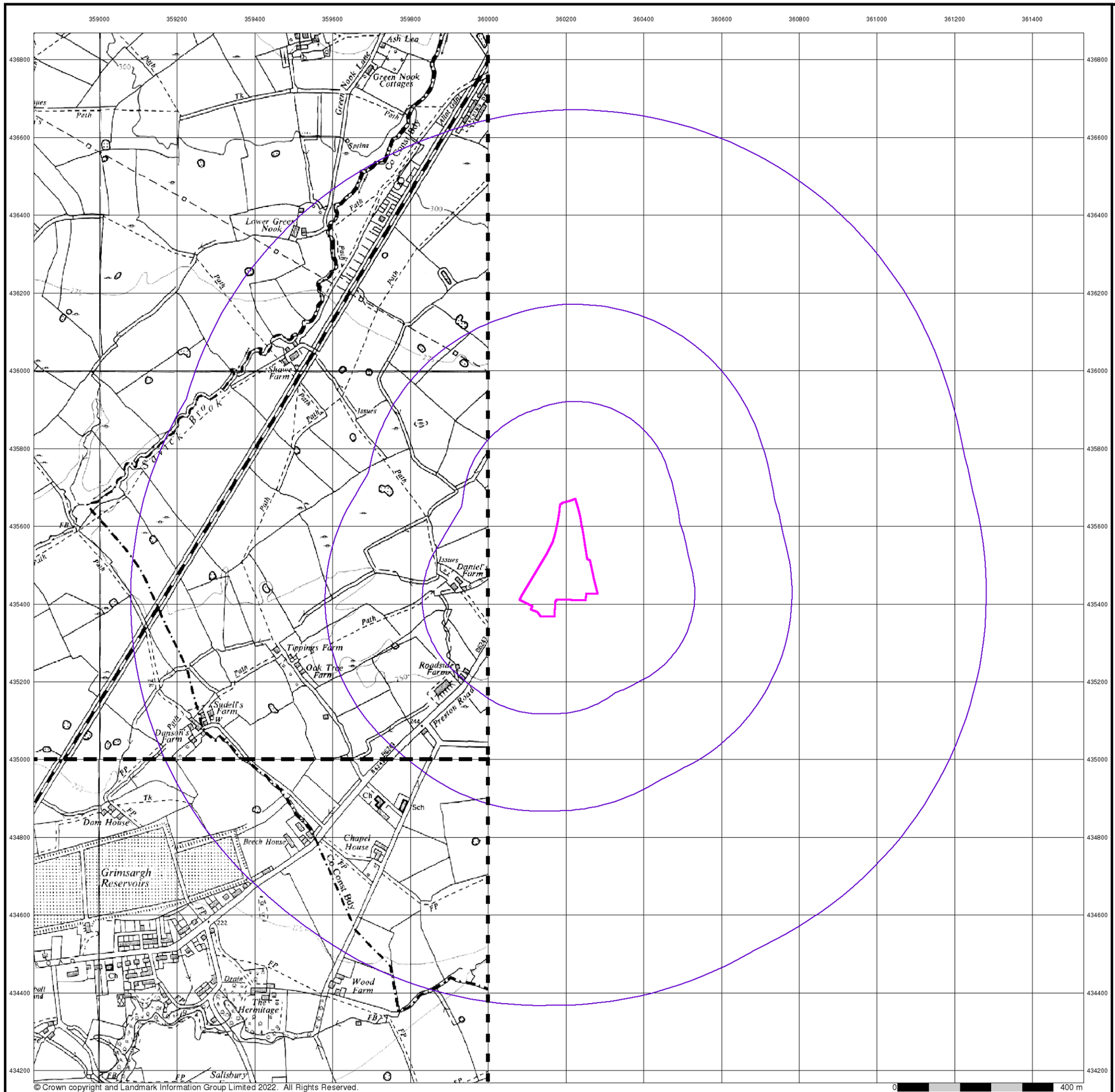

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Ordnance Survey Plan

Published 1965 - 1968

Source map scale - 1:10,000

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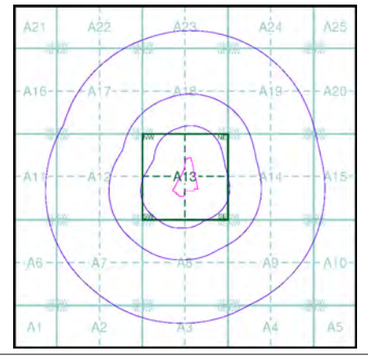
Map Name(s) and Date(s)

SD53NE
1968
1:10,560

SD53SE
1965
1:10,560

Historical Map - Slice A



Order Details

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National Grid Reference:	360190, 435510
Slice:	A
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Site Details

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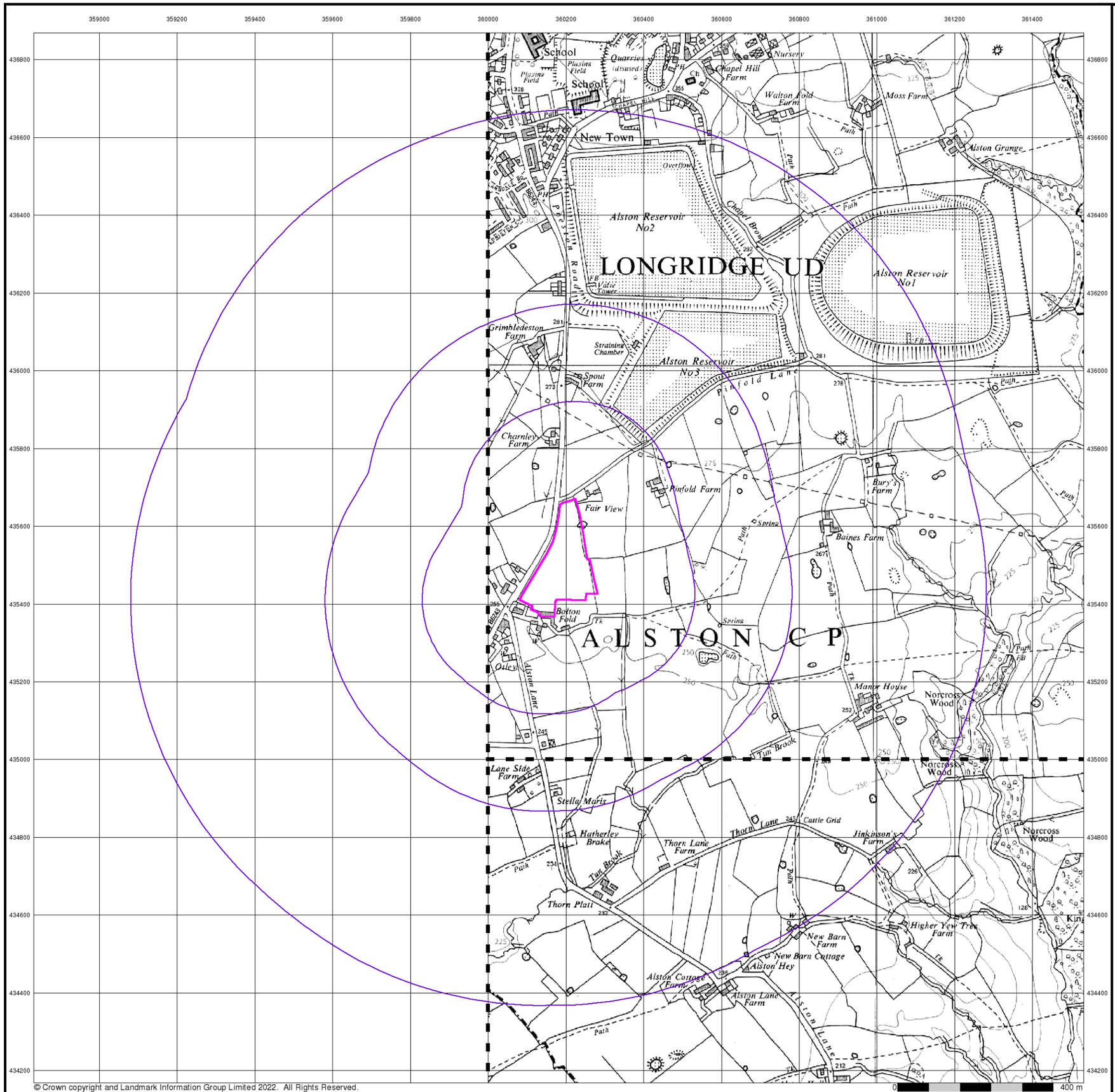

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Ordnance Survey Plan

Published 1970

Source map scale - 1:10,000

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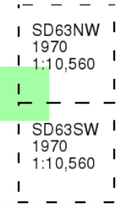
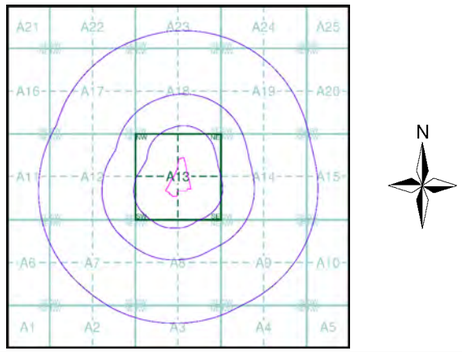
Map Name(s) and Date(s)



Historical Map - Slice A



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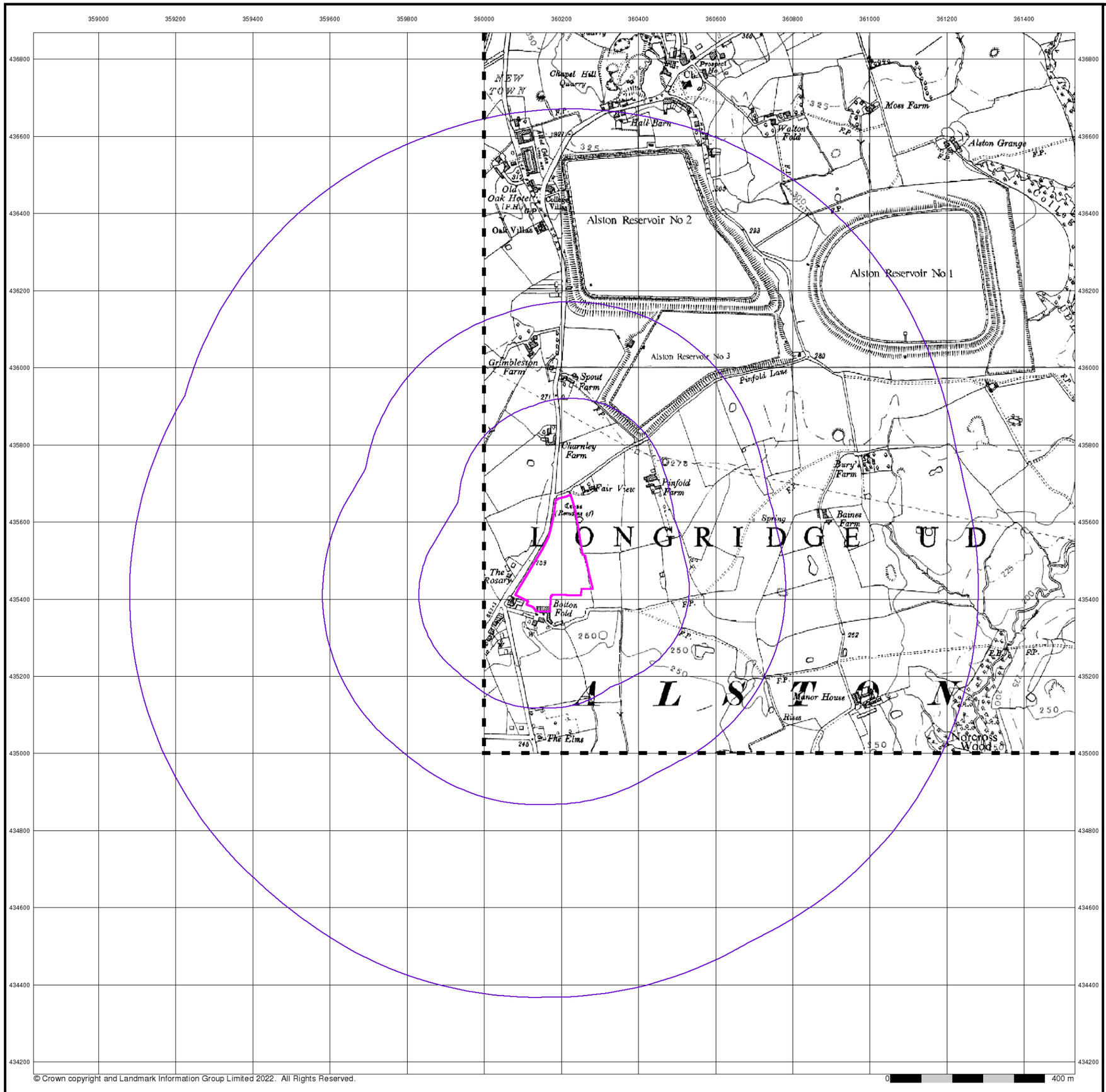

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Ordnance Survey Plan

Published 1970

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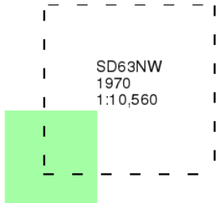
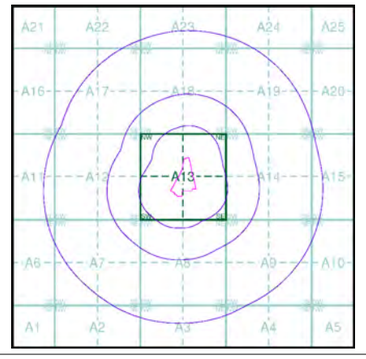


Historical Map - Slice A



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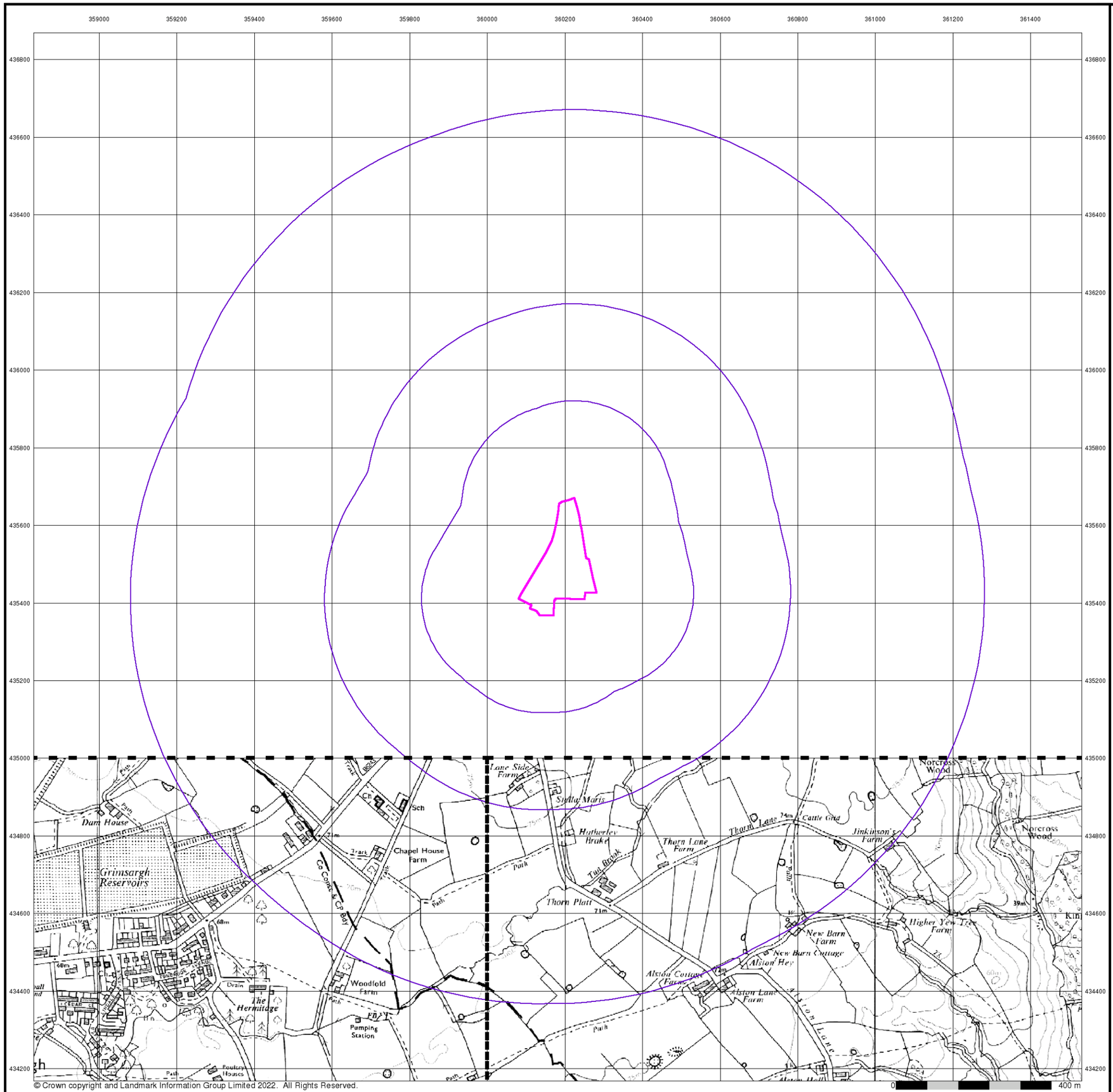

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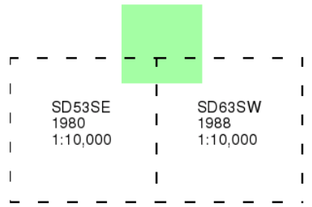
Ordnance Survey Plan

Published 1980 - 1988

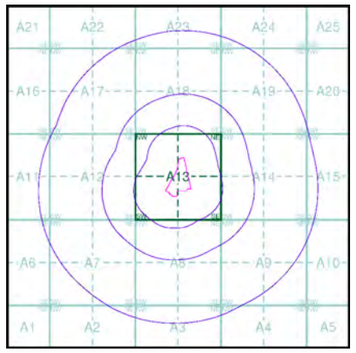
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

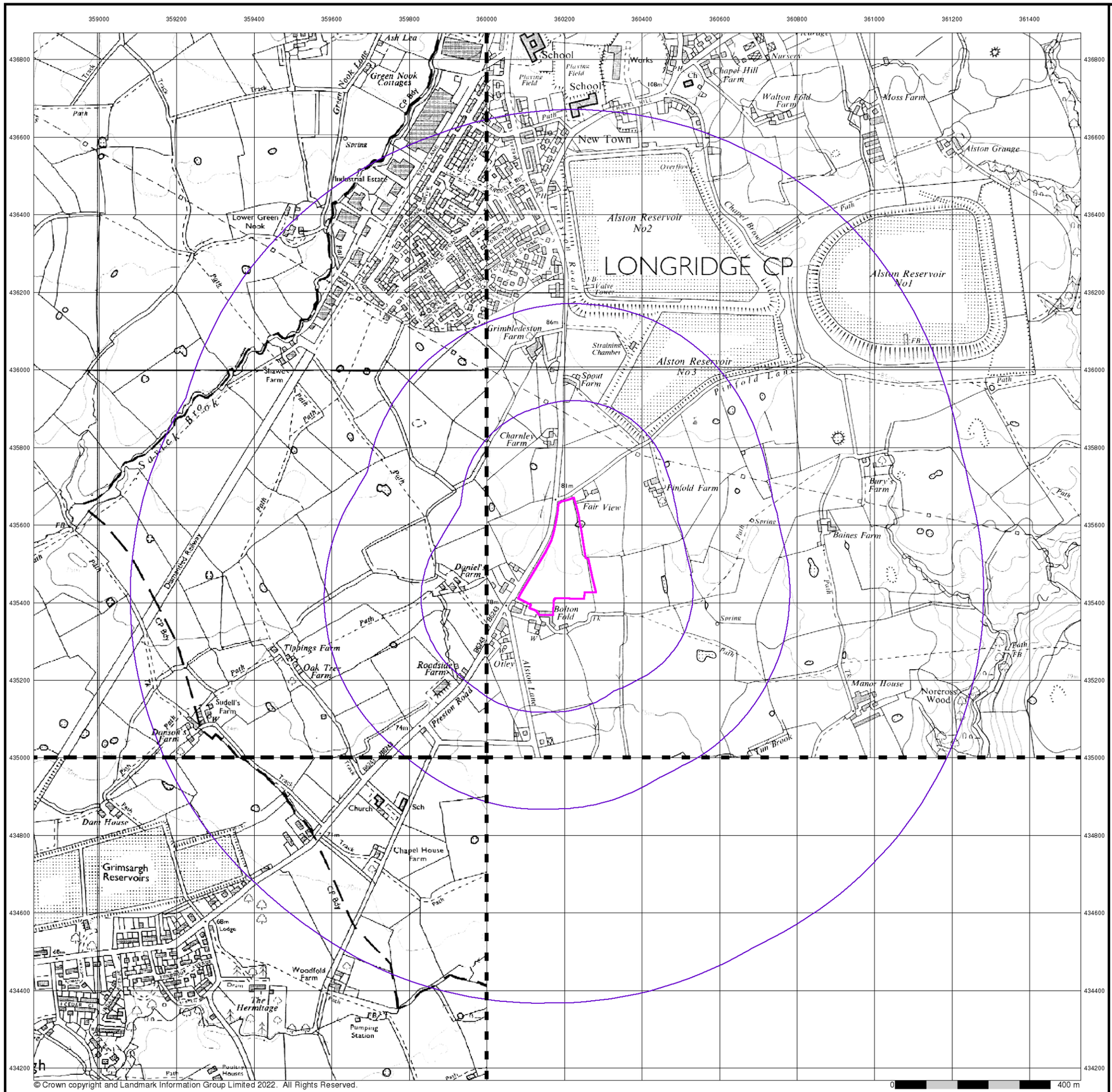
Order Number:	293088206_1_1
Customer Ref:	1269
National Grid Reference:	360190, 435510
Slice:	A
Site Area (Ha):	2.96
Search Buffer (m):	1000

Site Details

Alston Dairy, Alston Lane, PRESTON, PR3 3BN

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ordnance Survey Plan

Published 1993 - 1994

Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

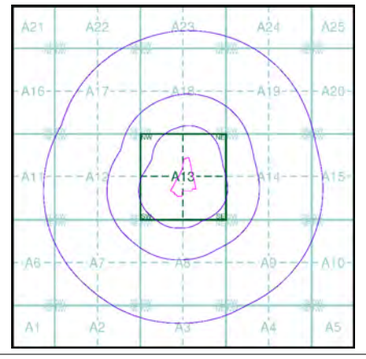
Map Name(s) and Date(s)

SD53NE 1994 1:10,000

SD63NW 1994 1:10,000

SD53SE 1993 1:10,000

Historical Map - Slice A



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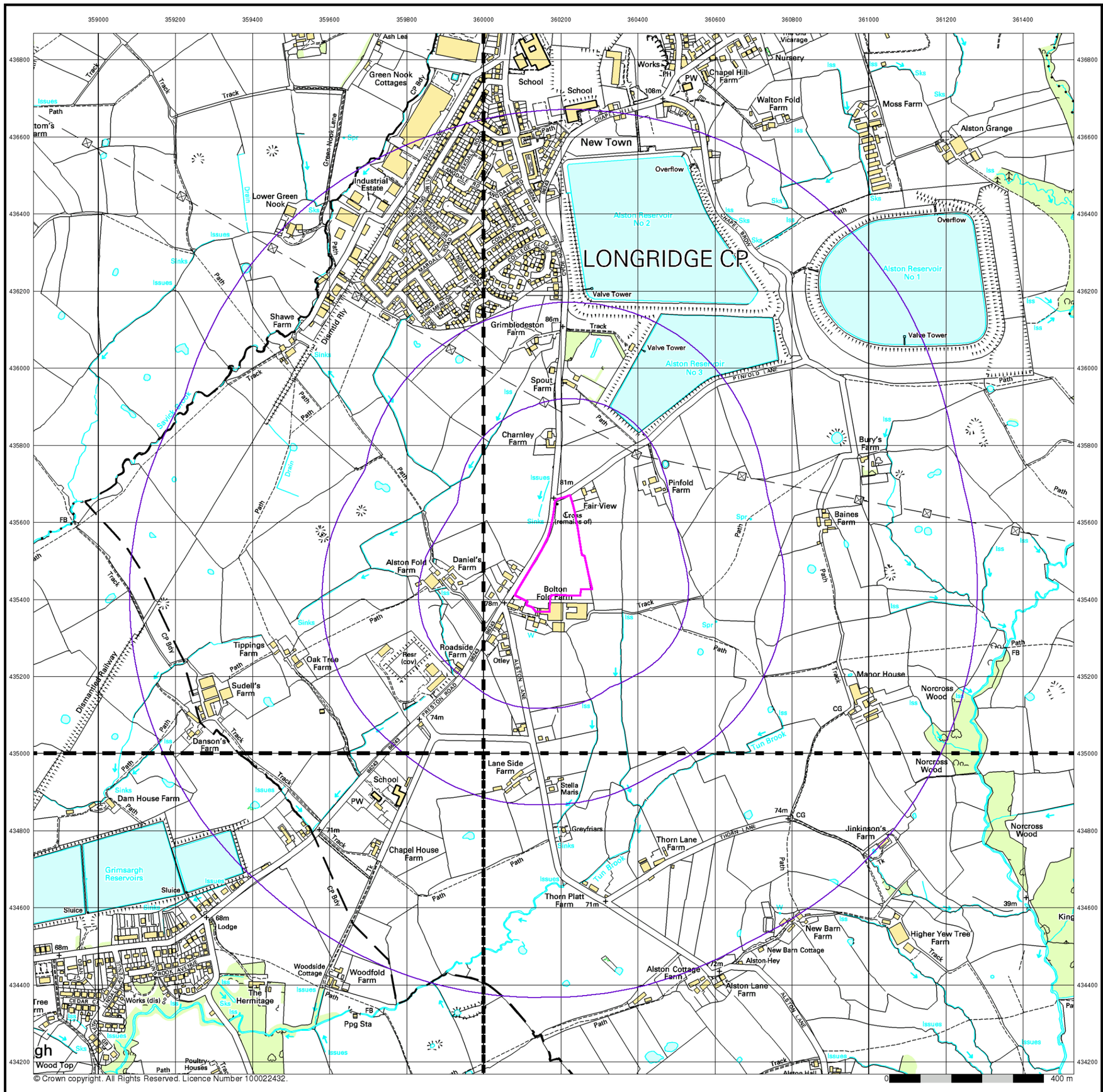

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10k Raster Mapping

Published 2001

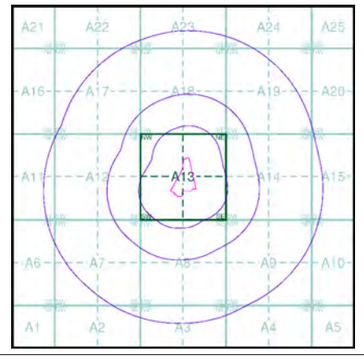
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SD53NE 2001 1:10,000	SD63NW 2001 1:10,000
SD53SE 2001 1:10,000	SD63SW 2001 1:10,000

Historical Map - Slice A



Order Details

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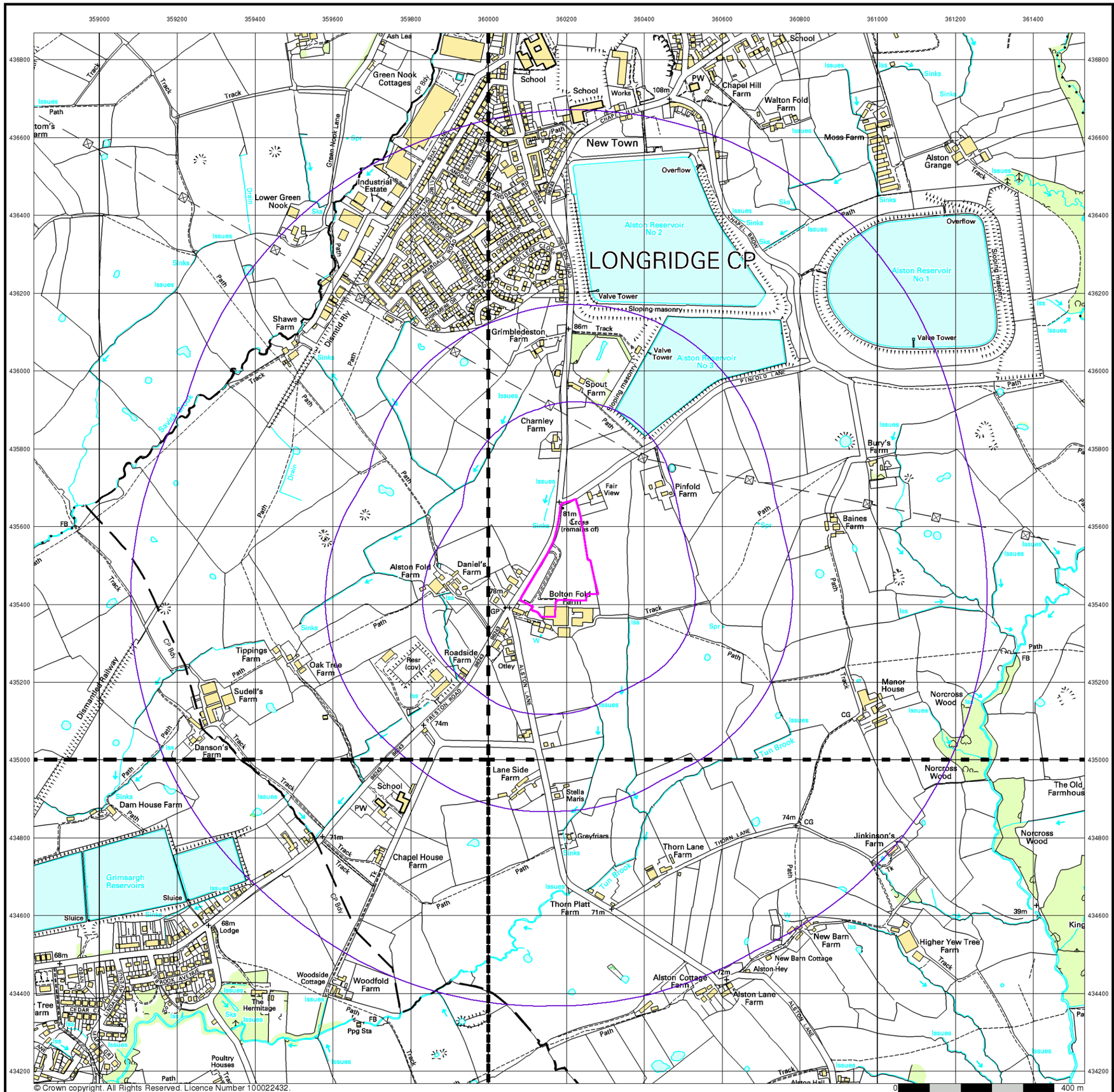

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LANDMARK INFORMATION GROUP

10k Raster Mapping

Published 2006

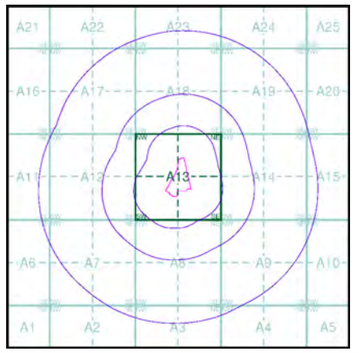
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SD53NE 2006 1:10,000	SD63NW 2006 1:10,000
SD53SE 2006 1:10,000	SD63SW 2006 1:10,000

Historical Map - Slice A



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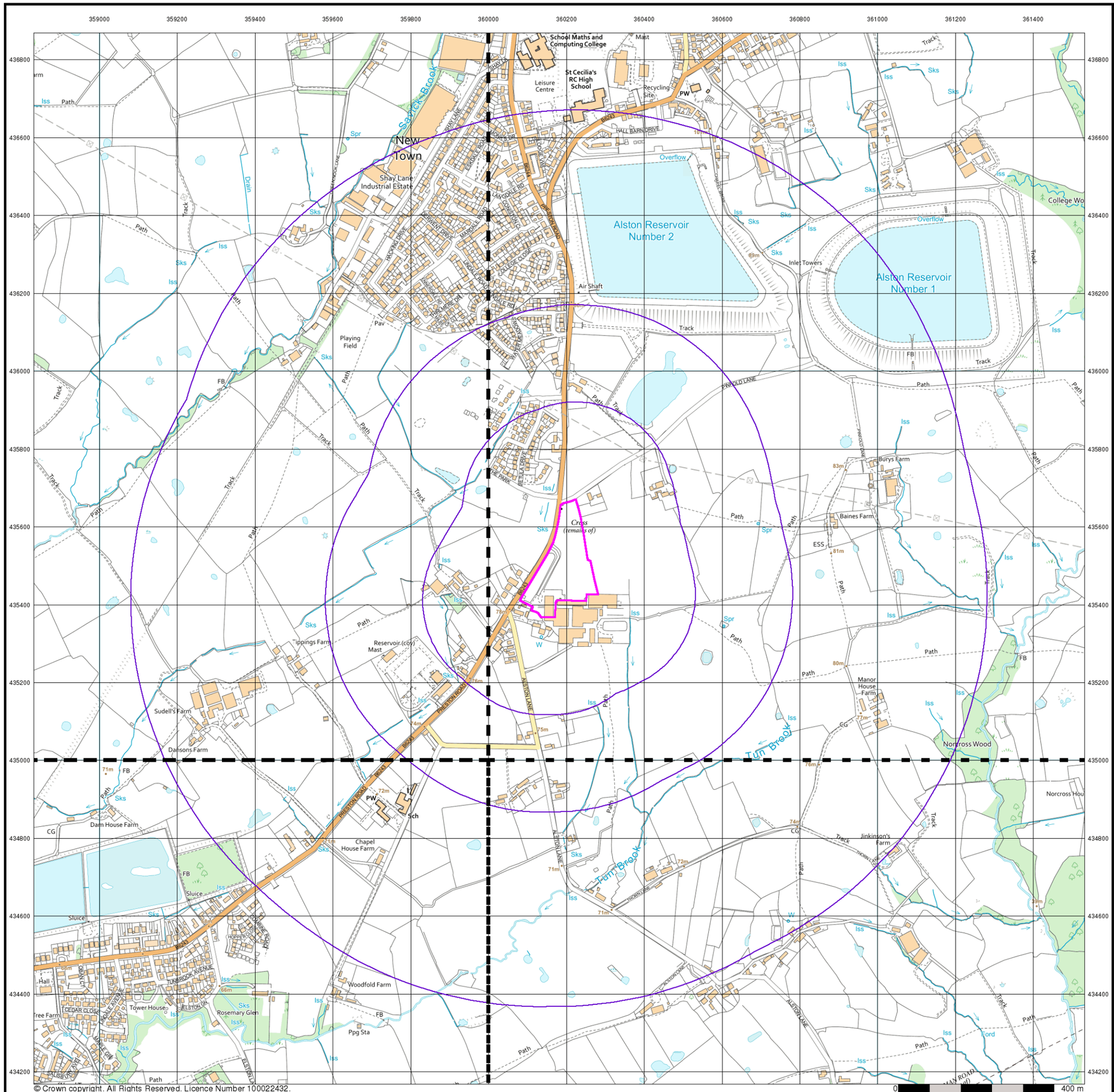

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LANDMARK INFORMATION GROUP

VectorMap Local

Published 2021

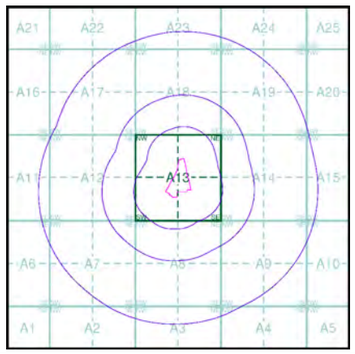
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SD53NE 2021 Variable	SD63NW 2021 Variable
SD53SE 2021 Variable	SD63SW 2021 Variable

Historical Map - Slice A



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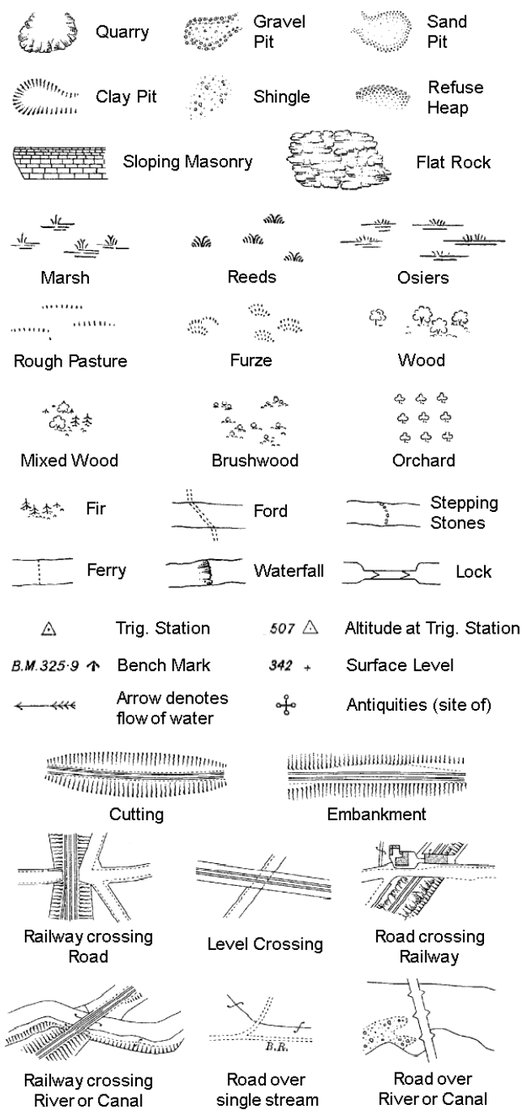
Historical Mapping Legends

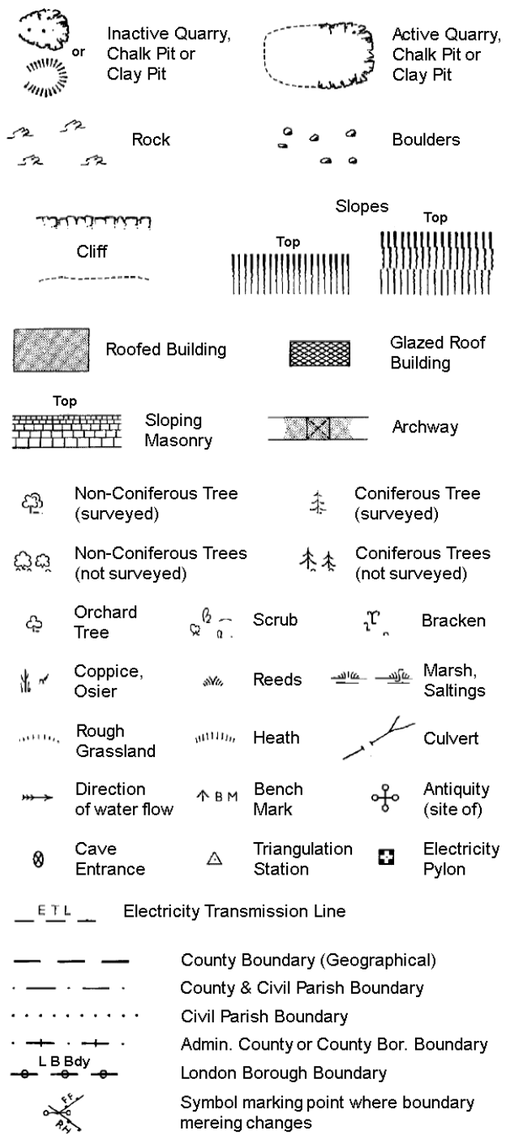
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

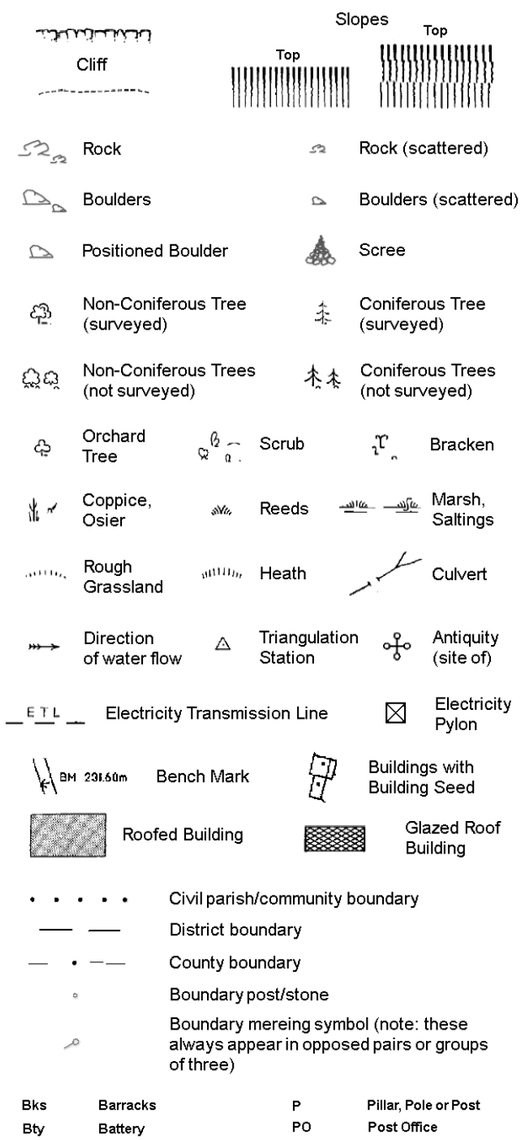
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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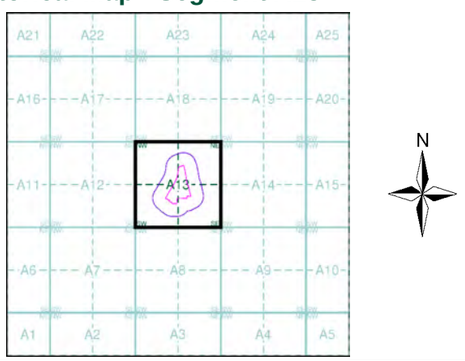
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1912	3
Lancashire And Furness	1:2,500	1932	4
Ordnance Survey Plan	1:2,500	1961 - 1967	5
Large-Scale National Grid Data	1:2,500	1994	6
Historical Aerial Photography	1:2,500	2001	7

Historical Map - Segment A13



Order Details

Order Number:	293088206_1_1
Customer Ref:	1269
National Grid Reference:	360190, 435510
Slice:	A
Site Area (Ha):	2.96
Search Buffer (m):	100

Site Details

Alston Dairy, Alston Lane, PRESTON, PR3 3BN

Landmark INFORMATION GROUP
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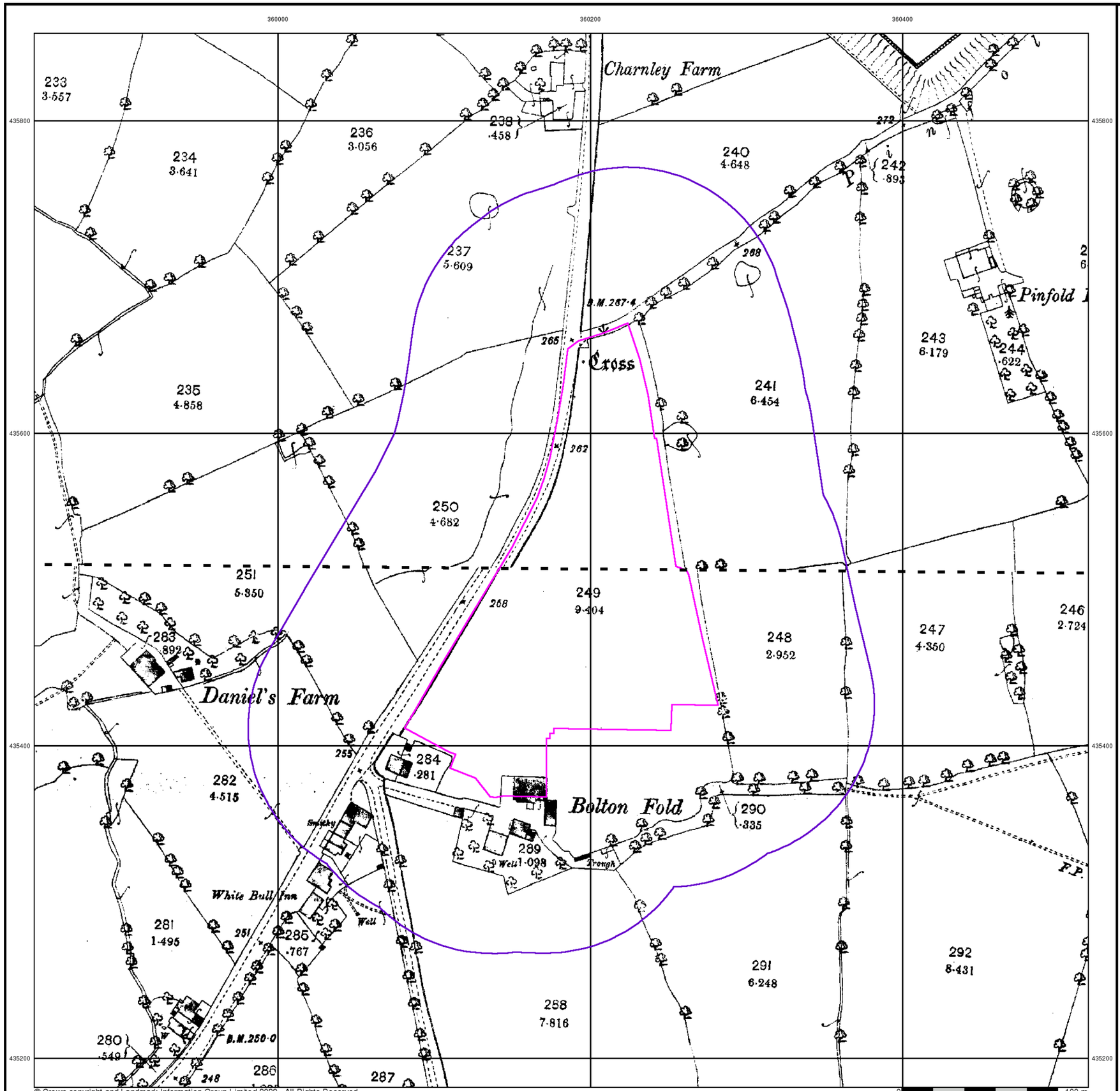

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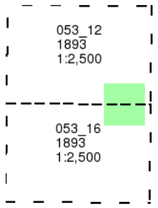
Lancashire And Furness

Published 1893

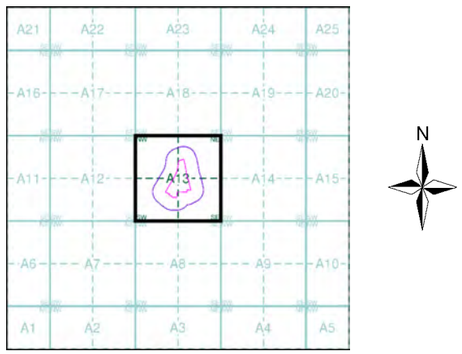
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



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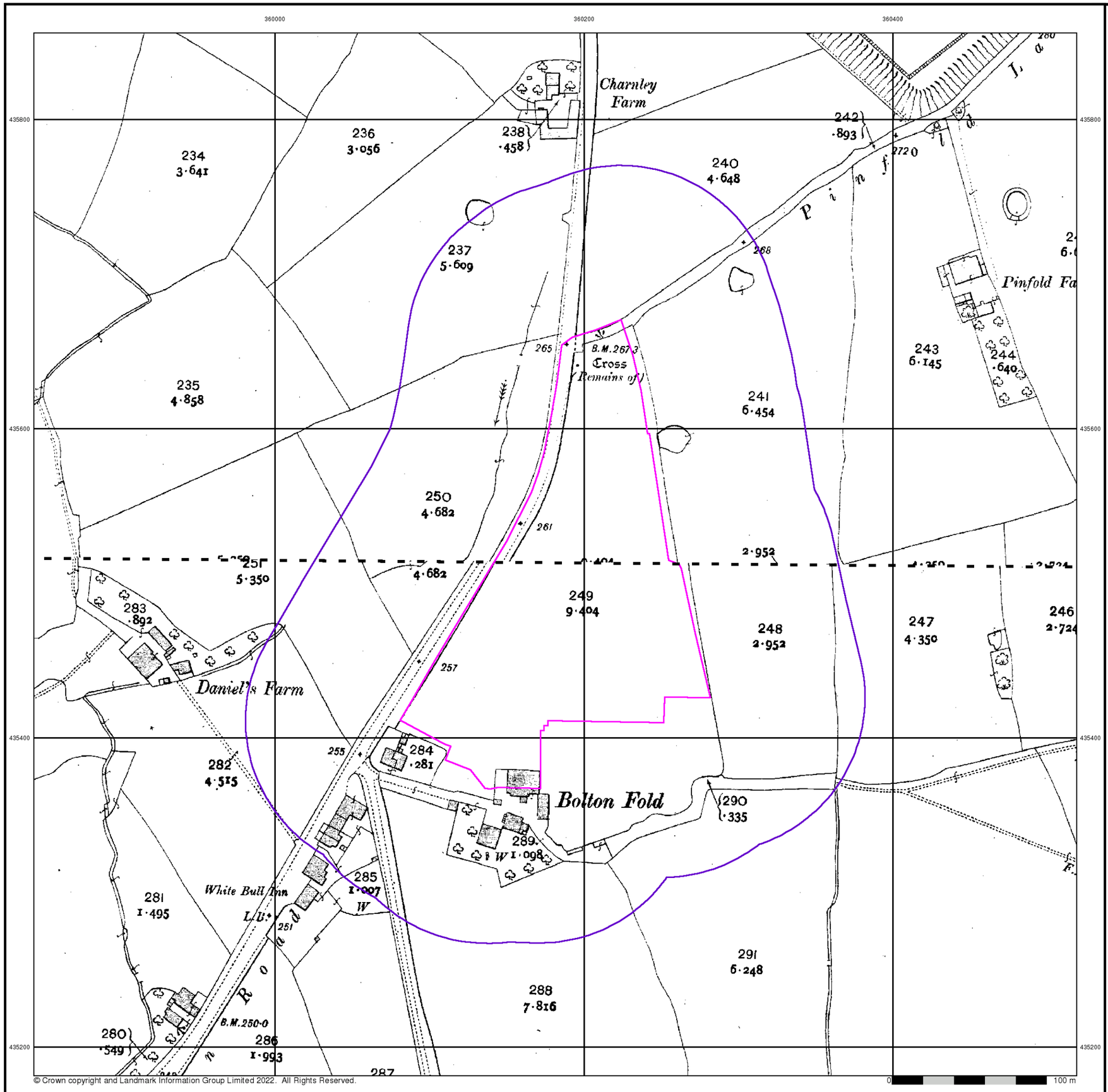

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LANDMARK INFORMATION GROUP

Lancashire And Furness

Published 1912

Source map scale - 1:2,500

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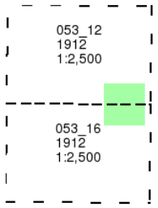
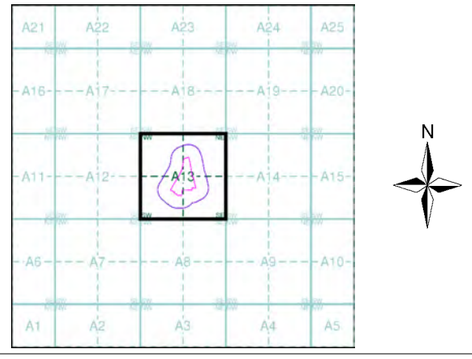


Historical Map - Segment A13



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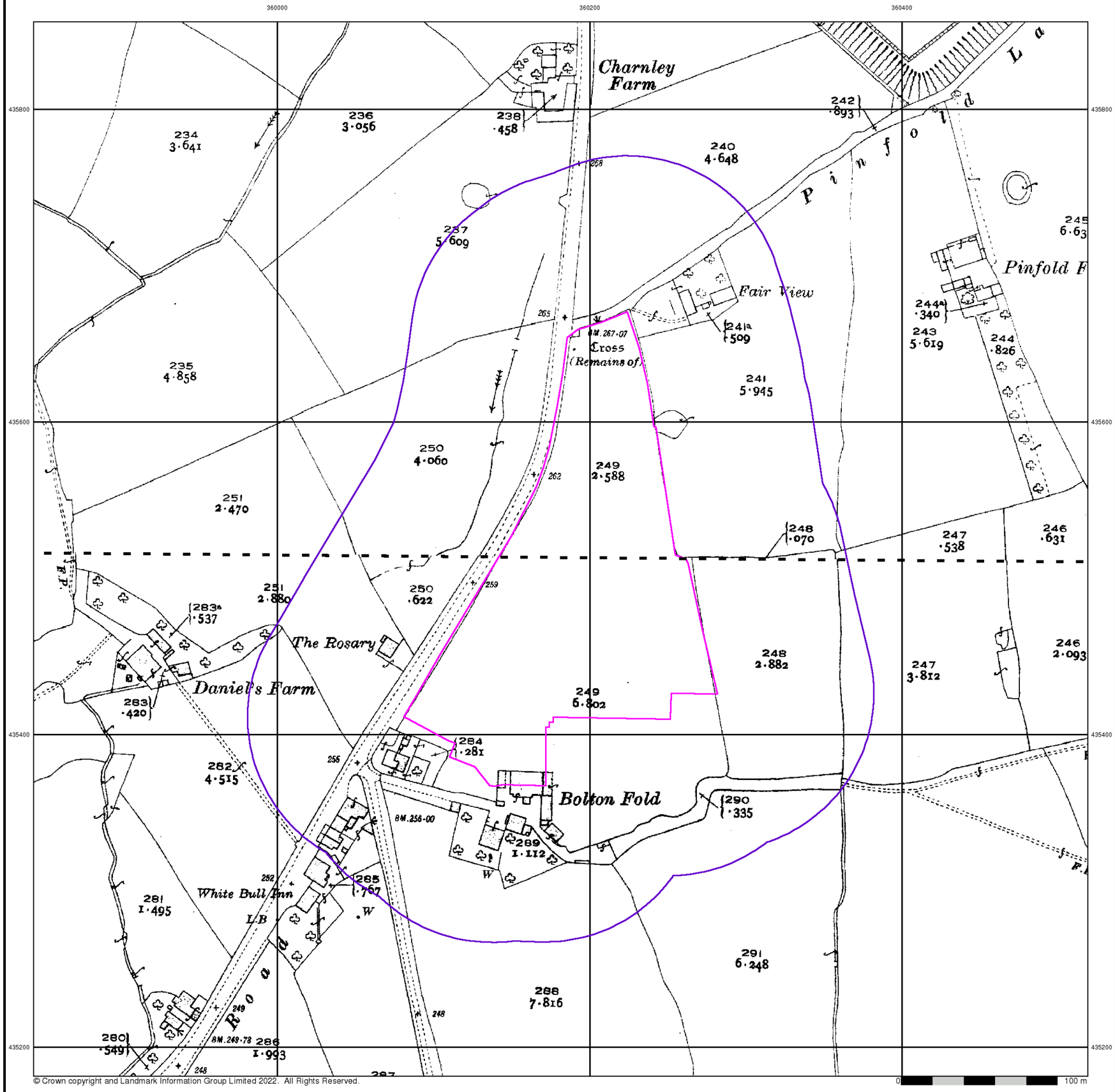

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LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1932

Source map scale - 1:2,500

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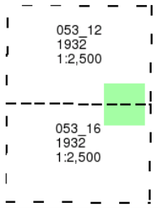
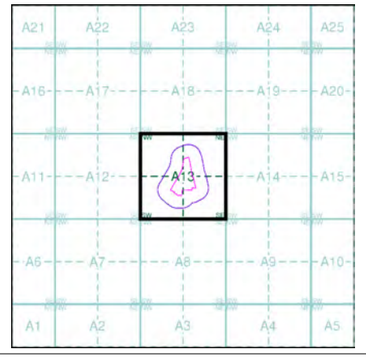
Map Name(s) and Date(s)



Historical Map - Segment A13



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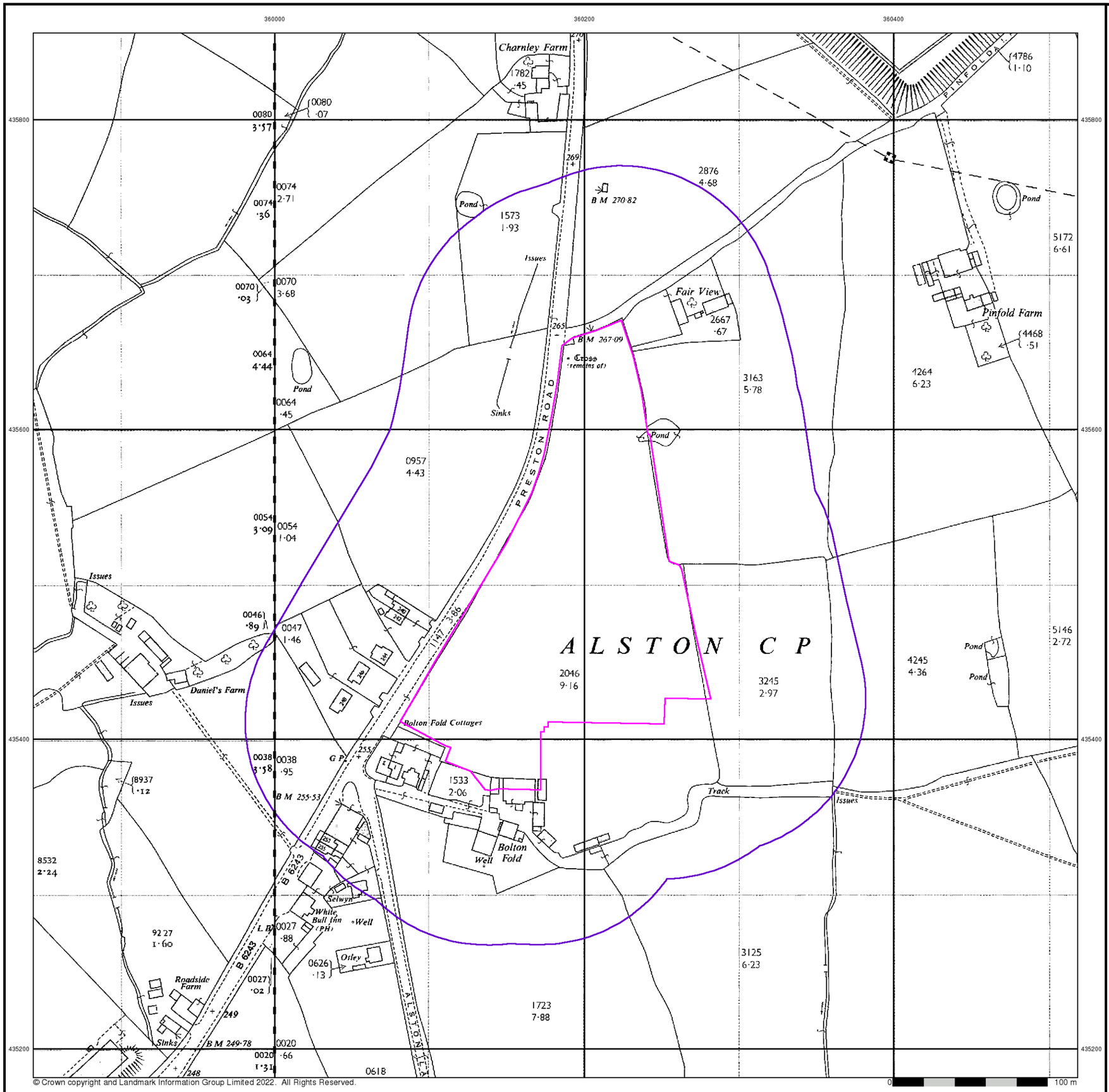

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LANDMARK INFORMATION GROUP

Ordnance Survey Plan

Published 1961 - 1967

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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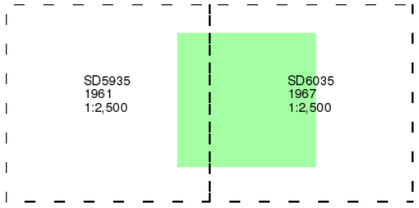
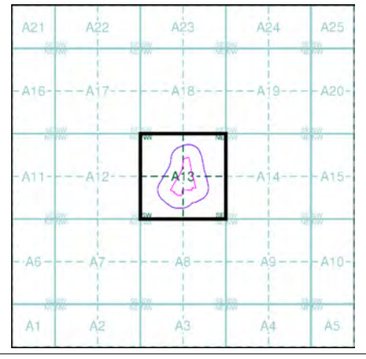


Historical Map - Segment A13



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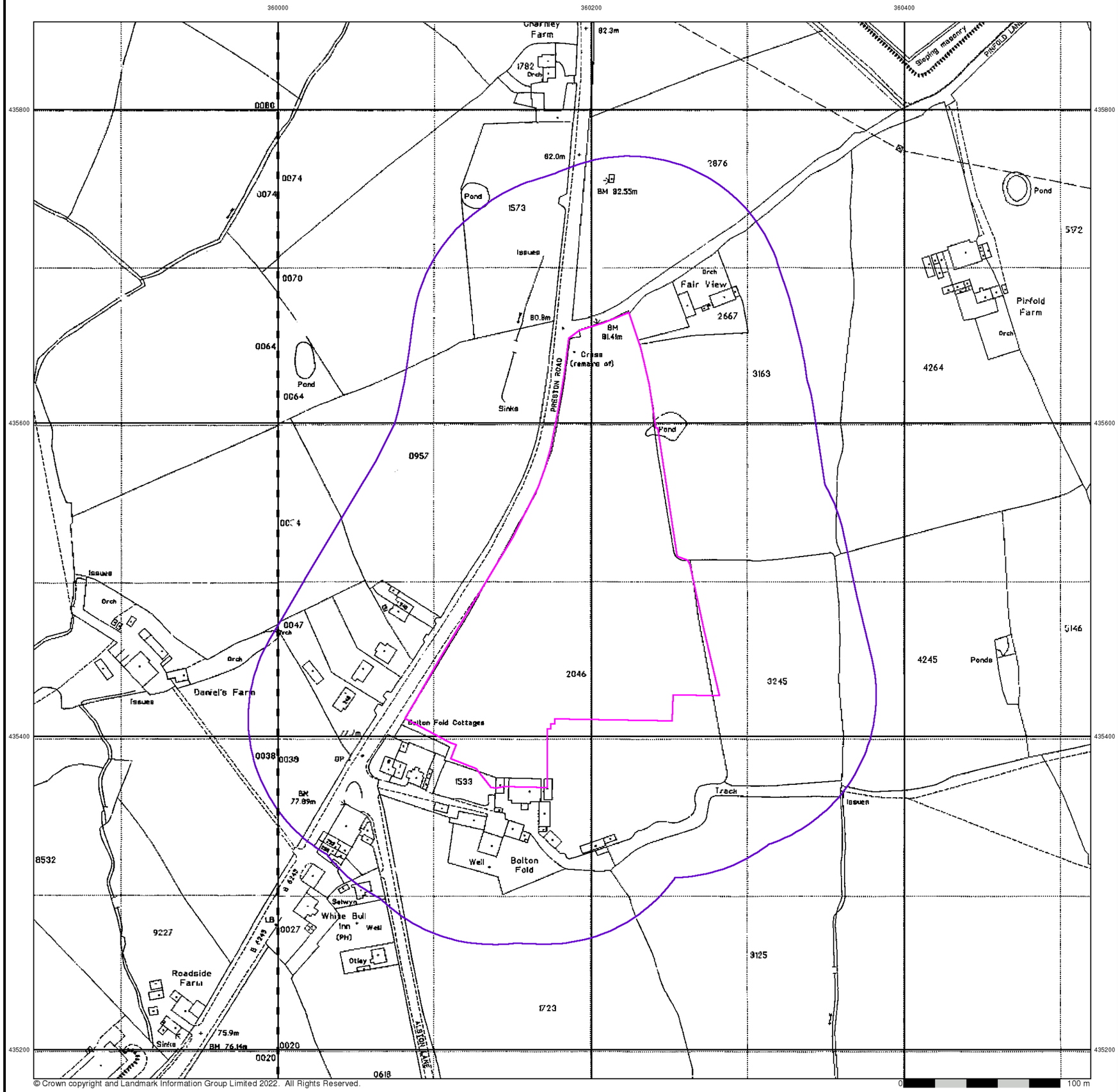

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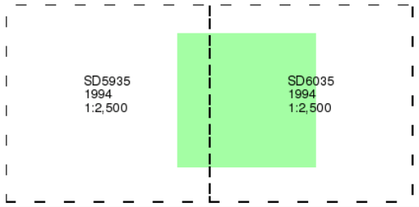
Large-Scale National Grid Data

Published 1994

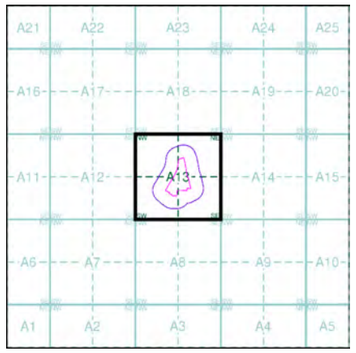
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



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Search Buffer (m):	100

Site Details

Alston Dairy, Alston Lane, PRESTON, PR3 3BN

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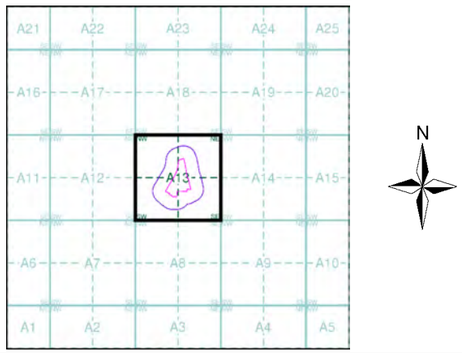
Historical Aerial Photography

Published 2001

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

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Slice:	A
Site Area (Ha):	2.96
Search Buffer (m):	100

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Appendix D

Risk Assessment Terminology

Definitions and Classifications of Risk Assessment Terminology.

Probability

Probability can be defined as the chance of a particular event occurring in a given period of time.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived probability of any identified pollutant linkage becoming realised are shown below in Table W.

Term	Description
High Likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.
Low Likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

Table W. Description of Probability Classifications

Severity

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived potential severity of any identified pollutant linkage becoming realised are shown overleaf in Table X.

Term	Description
Severe	Highly elevated concentrations **likely** to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs. Equivalent to EA **Category 1** pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population. Catastrophic damage to crops, buildings or property.
Medium	Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs. Equivalent to **EA Category 2** pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.
Mild	Exposure to human health **unlikely** to lead to "significant harm". Equivalent to **EA Category 3** pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce. Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population. Minor damage to crops, buildings or property.
Minor	No measurable effect on humans. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.

Table X. Description of Severity Classifications

Once the severity and probability of a pollutant linkage has been determined the risk can be assessed using the risk matrix shown overleaf on Table Y.

Risk Matrix

By cross referencing the derived severity and probability in Table Y, below the perceived potential risk can be determined.

		Severity			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate / low risk
	Likely	High risk	Moderate risk	Moderate / low risk	Low risk
	Low likelihood	Moderate risk	Moderate / low risk	Low risk	Very low risk
	Unlikely	Moderate / low risk	Low risk	Very low risk	Very low risk

Table Y. Risk Assessment Matrix

The risk categories detailed above are defined below in the following Table Z.

Term	Description
Very High Risk	There is a high probability that significant harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
High Risk	Significant Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
Moderate Risk	It is possible that without appropriate remedial action, harm could arise to a designated receptor but it is relatively unlikely that any such harm would be severe and if any harm were to occur, it is likely that such harm would be relatively mild.
Low Risk	It is possible that significant harm could arise to a designated receptor from an identified hazard but it is likely that at worst this harm if realised would normally be mild.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

Table Z. Definition of Risk