



**DESK STUDY REPORT  
ALTON NURSERIES, LONG BANK  
BEWDLEY**

**Prepared for: Mr Chris Fletcher**

**ASL Report No. 400-17-527-11**

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## **1 INTRODUCTION**

In December 2017, ASL were instructed by Mr Chris Fletcher to undertake a desk study of the site known as Alton Nurseries, Long Bank, Bewdley. The instruction to proceed with these works was received by email from Mr Chris Fletcher dated 20<sup>th</sup> December 2017.

The purpose of this desk study is to determine any potential environmental and geotechnical risk issues and liabilities pertaining to the future development of the site. There are currently no detailed development proposals for the site, however it is understood that the proposed development is likely to comprise a mix end-use of residential and commercial structures with associated infrastructure.

This assessment uses available information on the site and the surrounding area sourced from environmental databases maintained by the Environment Agency (EA), historical ordnance survey maps, a site walkover survey, a review of the site's environmental setting and an appraisal of the current and former land uses with a view to determining the potential for contamination to be present at the site. This report presents the findings of this assessment together with the factual data sourced during the course of these works which are appended for completeness.

It should be noted that this assessment cannot determine the actual levels of contamination present at the site only the potential for contamination to be present. The general notes section should be consulted in relation to the limitations of this report

This report has been prepared for the sole benefit of the Client, Mr Chris Fletcher and his representatives and agents. The report has been written based on the results of data searches and site conditions encountered at the time of the assessment. Future changes in legislation and advances in current best practises or provision of more detailed design proposals will result in this report requiring review and possible further assessment after the date of issue. The general notes section within this report should be noted in relation to the limitations of this assessment.



## 2 THE SITE

The site is located approximately 3.2km to the south-west of Bewdley town centre and can be located approximately by National Grid Reference SO755 741 as shown on Figure 1.

The site covers an area of approximately 1.2 hectares and is currently occupied by a former plant nursery. The site is an approximately 'L' shaped piece of land with the long axis aligned approximately north-west to south-east with maximum dimensions of approximately 170m by 120m. The site is generally flat lying with no significant changes in elevation across the site.

The site is currently occupied by four large glasshouses from the former use of the site as a nursery. The nursery is understood to have occupied the site since around 1960 and was involved in the growing of tomatoes by hydroponics to supply UK supermarkets. Access to the site is from Long Bank roadway that forms the site's south-eastern boundary via a gateway that leads on to a tarmac gravelled parking area.

There are four large glasshouses structures that occupy the majority of the site. The southern glasshouse is rectangular in shape with dimensions of approximately 55m by 30m with the long axis aligned approximately north-east to south-west. Access to this glasshouse is via a sliding door on the western side. Rows of plant tables are present within the glasshouse that were in the process of being dismantled at the time of the walkover. A small tractor was present in the eastern side of this glasshouse. A pathway runs down the western side of this glasshouse from the parking area to the south.

Directly to the west of the southern glasshouse is an area occupied by wooden plant tables. To the north of this area is the second glasshouse that is rectangular in shape with dimensions of approximately 90m by 20m and is parallel to, and directly adjacent to the first glasshouse to the south. This glasshouse is also occupied by rows of plant tables, all with surrounding pipework associated with the nursery heating system. This glasshouse was partially used for the storage of nursery equipment but was largely vacant with the contents in the process of being dismantled.

To the west of the second glasshouse is a concrete surfaced roadway providing access along the western side of the site. To the west of this roadway is an area of rough ground with some scrub vegetation. To the north of this area are two plinths understood to have been occupied by two above ground fuel storage tanks (ASTs). The tanks have since been removed though the plinths remain. It is understood the tanks were used for the storage of diesel for site vehicles and heating oil to power the site. A redundant generator building is located directly to east of the tank plinths. The buildings to the north of this area house a coal store and a boiler house containing two large boilers that supplied hot water to the glasshouse heating system. Pipework from the boiler house extends over the concrete surfaced roadway and into the second glasshouse.

The boiler house was noted to be constructed with cement bonded sheeting with a number of broken sheets and fragments of lagging noted around the boilers. The ground surface of this areas was noted to be stained with coal dust and ash. The diesel tank from the tank plinths was located in front of the boiler house and comprises a small cuboid steel tank and is understood to be awaiting disposal as scrap metal.

To the south of the boiler house is a small structure understood to be used for the storage of materials and machinery. This unit was secured at the time of the walkover and was not accessed. This structure was noted to be constructed with cement bonded sheeting. A shipping container is located directly to the north-east of this structure.



To the east of this area is the third glasshouse which is rectangular in shape with dimensions of approximately 40m by 25m. This glasshouse is separated from the others by a concrete surfaced footpath that runs along its southern and eastern sides. This glasshouse is also disused and was partially occupied by materials from the dismantling works such as scrap metal.

The final glasshouse is in the north and north-east of the site and is directly adjacent to the second glasshouse and is thought to have been constructed at the same time but is only accessed from the western side. The contents of this glasshouse were also in the process of being dismantled and there were piles of scrap metal and general materials from these works.

The northern boundary of the site is formed by an area of rough ground overgrown with scrub vegetation. A drainage ditch is present along this area. A further drainage ditch runs along the eastern boundary within an area of rough ground that has recently been cleared of some vegetation.

The site is bound to the south-east by a hedgerow with Long Bank roadway and fields beyond, to the south-west by detached residential properties, to the west and north by land occupied by Banbury Windows (a uPVC windows and doors manufacturer), to the north-east by a hedgerow with semi-mature trees with fields beyond and to the south-east by a detached residential property.

It is understood that the proposed development comprises detached residential properties in the southern part of the site and potentially commercial structures in the north. The development proposals have yet to be finalised at this time and so a proposed development layout is not currently available.



### **3 GEOLOGY**

The British Geological Survey (BGS) Sheet No. 182 – Droitwich (Solid and Drift) indicates the site to be devoid of drift deposits and directly underlain by solid geology of the Etruria Formation generally described as 'red, purple, brown, ochreous, green, grey and commonly mottled mudstone, with lenticular sandstones and conglomerates' by the BGS. The thickness of the Etruria Formation is not defined by the BGS in the vicinity of the site, however it is anticipated to extend to significant depth.

In addition to the published geology, it is expected that Topsoil and/or Made Ground will be present at the surface given the current use of the site.

The site is indicated to be in an area that may not be affected by coal mining and an area at rare risk from non-coal mining activities. There are no BGS recorded mineral sites located within 0.5km of the site.

The environmental database search indicates the site to be in a lower probability radon area and that new homes or extensions do not require radon protection measures.

Further details are presented in Appendix I.

### **4 HYDROGEOLOGY**

The Etruria Formation is classified by the EA as a 'Secondary Aquifer – A' defined 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 site is not indicated to be located in a Source Protection Zone (SPZ).

There are no abstractions from or discharges to groundwater located within 1.0km of the site.

The site is not located in a groundwater nitrate vulnerable zone.

Further details are presented in Appendix I.

### **5 HYDROLOGY**

The nearest surface water feature is an unnamed stream located approximately 140m to the north-west. Further from the site two unnamed ponds are located approximately 200m to the east and 295m to the west, respectively. None of these surface water features are classified chemically or biologically by the EA within the vicinity of the site.

There are no abstractions from surface water within 0.5km of the site.

There is one discharge consent to surface water within 0.5km of the site. This listing relates to the discharge 'sewage discharges - final/treated effluent' to an unnamed surface water course located approximately 180m to the north-west.

The site is not indicated to be located within an area at risk of flooding from rivers or seas.



The site is not indicated to be located within an area with the potential for groundwater flooding to occur. An area with limited potential for groundwater to occur is located approximately 10m to the north-west.

Further details are presented in Appendix I.



## 6 SITE HISTORY

The history of the site has been derived from historical OS maps dating back to 1884. The map extracts are presented in Appendix II. Table 1 below presents a summary of the key developments in and around the site shown on the historical map extracts.

**Table 1 Summary of Site History**

Date of Map Extract	On site and surrounding Land-use
1884 (1:2500 & 1:10560)	<p>The site comprises undeveloped agricultural land split into two fields separated with a hedgerow and mature trees in the southern portion of the site. A further field boundary is present in the northernmost portion of the site.</p> <p>A small pond is located in the central southern portion of the site.</p> <p>A roadway is located directly to the south.</p> <p>A stream is located approximately 125m to the north-west.</p> <p>The site is generally surrounded by woodland, undeveloped agricultural land and orchards.</p> <p>Minor areas of residential and agricultural development are located at distances greater than approximately 90m to the east, south and south-west.</p> <p>A corn mill is located approximately 90m to the east.</p> <p>Two quarries are located approximately 600m to the west and 750m to the north-east.</p> <p>A brick works is located approximately 1km to the north-east.</p>
1902 – 1904 (1:2500 & 1:10560)	<p>The site area remains generally unchanged.</p> <p>Minor residential and agricultural development has occurred at distances greater than approximately 100m to the east and north-east.</p> <p>The quarries to the west and north-east are indicated to be disused.</p> <p>A further quarry is present approximately 600m to the south-west.</p>
1927 – 1929 (1:2500 & 1:10560)	<p>The site area remains generally unchanged.</p> <p>Minor agricultural and residential development has occurred at distances greater than approximately 95m to the east and south-east.</p> <p>A covered reservoir is located approximately 450m to the east.</p> <p>The brick works to the north-east is no longer shown.</p> <p>The quarry to the south-west is no longer shown to be present.</p>
1954 – 1955 (1:10000)	<p>The site area remains generally unchanged.</p> <p>An area of woodland to the immediate north-east is indicated to be rough grassland.</p>
1972 (1:2500)	<p>The site has undergone development and is now indicated as Alton Nurseries, with eight glasshouses now present across the northern portion of the site. Three small structures are present in the north-west of the site with a further small structure located centrally. The southern portion of the site remains devoid of structures.</p> <p>The former onsite field boundaries, trees and pond are no longer shown to be present.</p> <p>A large industrial structure indicated to be a glasshouse manufactory is present directly to the west. Further smaller structures are also present approximately 50m to the north-west, together with possible evidence of reprofiling works in the form of slopes.</p> <p>Glasshouse structures are present approximately 100m to the west.</p> <p>Minor residential development has occurred directly to the south-west and south-east and at distances greater than approximately 75m from the site.</p> <p>Ponds are located approximately 150m to the east and 200m to the south-west.</p> <p>A garage is located approximately 200m to the east.</p> <p>A sawmill is present approximately 250m to the south-west.</p> <p>A water tower has been built approximately 250m to the east.</p>
1973 -1975 (1:10000)	<p>The onsite structures appear to have undergone minor alteration, with the small structures in the north-west no longer shown.</p> <p>The industrial structure to the west is now indicated to be a Works.</p>
1989 (1:2500)	<p>The site has undergone further alteration and development with a further large glasshouse structure present in the central southern portion of the site with two ancillary structures present in the north-west, the layout of which is broadly consistent with that seen today.</p> <p>A large industrial building and associated slope features are present directly to the north of the site.</p> <p>A nursery is present approximately 100m to the west.</p> <p>The garage to the east has undergone redevelopment and is now indicated to be a works.</p> <p>The pond to the east has been extended.</p>
1993 – 1994 (1:2500 & 1:10000)	<p>The site area remains generally unchanged.</p> <p>An electrical substation is located approximately 75m to the west.</p> <p>The nursery to the west is no longer present.</p>
2000 (1:10000)	<p>The site and surrounding area remain generally unchanged.</p>





Date of Map Extract	On site and surrounding Land-use
2006 (1:10000)	The site remains generally unchanged. A golf course has been developed approximately 750m to the east.
2017 (1:10000)	The site remains generally unchanged. The industrial structures to the west and north-west of the site have undergone limited extension and alteration. Wyre Discovery Centre and associated car park has been constructed approximately 250m to the west.

The site history dating back to 1884 has comprised undeveloped land together with a small pond until approximately 1972 after which the site is indicated to have been developed with a garden nursery comprising a number of glasshouses and associated ancillary structures. It is understood that the nursery first occupied the site in 1960. The pond is indicated to have been infilled by 1972. The site is indicated to have undergone a number of phases of alteration and extension until approximately 1989, after which the layout of the onsite structures is broadly consistent with that seen today.

The surrounding area has generally comprised areas of woodland and undeveloped agricultural land together with limited residential and agricultural development properties and infrastructure. By approximately 1972 a large glasshouse manufactory is indicated to be present directly to the west and north-west of the site. The structures associated with this facility are indicated to have undergone a number of phase of extension and alteration with a further structure constructed to the north of the site by approximately 1989. During the site walkover, these structures were noted to be occupied by a uPVC windows and doors manufacturer. An electrical substation has been present approximately 75m to the south-west since approximately 1994.



## **7 STATUTORY DATABASE SEARCH**

### **7.1 General**

This section details any relevant information from registers maintained by the EA. Information provided by the BGS, The Coal Authority, Health Protection Agency and the National Environment Research Council (NERC) is also considered. The information held by the various bodies is summarised below and presented in detail in Appendix I.

It should be noted that the information provided in the desk study is obtained from independent third party sources. It is provided in good faith, but no guarantee can be provided as to its accuracy. Independent enquiries should be made relating to information provided in the desk study information that may impact on the proposed development. The desk study information is not necessarily exhaustive and further information relevant to the site may be available from other sources.

### **7.2 Database Search Results**

There are no registrations listed within 0.5km of the site under the following:

- Contaminated Land Register Entries and Notices;
- Enforcement and Prohibition Notices;
- Integrated Pollution Controls;
- Integrated Pollution Prevention and Controls;
- Local Authority Pollution Prevention and Control;
- Local Authority Integrated Pollution Prevention and Controls;
- Local Authority Pollution Prevention and Control Enforcements;
- Prosecutions Relating to Authorised Processes;
- Prosecutions Relating to Controlled Waters;
- Registered Radioactive Substances;
- Substantiated Pollution Incident Register;
- Water Industry Act Referrals;
- Any Landfill Sites;
- Integrated Pollution Control Registered Waste Sites;
- Any licenced waste management facilities;
- Any areas of potentially infilled land;
- Any registered waste transfer, treatment or disposal sites;
- Any hazardous substance sites.

The following sections discuss the database search results which identified registrations listed within 0.5km of the site.

### **7.3 Environment Agency Search Results**

There are three Pollution Incidents to Controlled Waters located within 0.5km of the site. The closest listing relates to the release of 'sewage – septic tank effluent' to an unnamed watercourse, caused by inadequate construction, located approximately 10m to the north-west of the site. The remaining incidents relate to the release of 'sewage – treated effluent' and 'oils – gas oil' to unnamed watercourses located approximately 155m and 230m to the north-west and west of the site, respectively. All of these incidents were classed as category 3 – minor incidents by the EA.

Further details are presented in Appendix I.



#### **7.4 Geological Hazards**

There is either a very low risk or no hazards relating to collapsible ground stability, ground dissolution stability, compressible land stability, running sand or landslide ground stability hazards at the site.

There is a low risk from shrinking or swelling clay ground stability hazards at the site.

The site is indicated to be in an area that may not be affected by coal mining and an area at rare risk from non-coal mining activities. There are no BGS recorded mineral site located within 0.5km of the site.

The environmental database search indicates the site to be in lower probability radon area and that new homes or extensions do not require radon protection measures.

Further details are presented in Appendix I.

#### **7.5 Contemporary Trade References**

There are eleven contemporary trade references located within 0.5km of the site. The closest two listings relate to the window frame manufacturers located approximately to the west and a builder's merchant located approximately 55m to the west. The remaining listings relate to various industrial and commercial services located at distances greater than approximately 105m from the site.

There are nine commercial services points of interest located within 0.5km of the site. The closest two listings relate to 'vehicle repair, testing and servicing' located approximately 105m to the north and north-west. The remaining listing relate commercial services located at distances greater than approximately 225m from the site.

There are two manufacturing and production points of interest located within 0.5km of the site. The closest listing relates to 'tanks (generic) located at the subject site. The remaining listing relates to 'unspecified works or factories' located approximately 20m to the north-west.

Further details are presented in Appendix I.

#### **7.6 Sensitive Land-Uses**

There are three areas of Ancient Woodland located within 0.5km of the site. The closest two listings relate to areas of 'ancient and semi-natural woodland' and 'plantation on ancient woodland' associated with Eamwood Copse, located approximately 35m and 45m to the west. The remaining listing relates to 'ancient and semi-natural woodland' associated with Burnt Wood and Rock Coppice, located approximately 295m to the south-east.

There is one national nature reserve located within 0.5km of the site. This listing relates to the Wyre Forest located approximately 285m to the east.

There is one Site of Specific Scientific Interest (SSSI) located within 0.5km of the site. This listing relates to the Wyre Forest located approximately 200m to the north-west.

Further details are presented in Appendix I.



## **8 ASSESSMENT OF POTENTIAL CONTAMINATION RISKS**

### **8.1 General**

The following sections identify potential sources of contamination at the site and the surrounding area. The receptors to any contamination are also identified together with the pathways by which the contamination may make contact with the receptors. This section of the report uses the guidance presented in CLR 11 'Model Procedures for the Management of Land Contamination' produced by DEFRA and the EA to develop a conceptual site model as a 'source-pathway-receptor' model in accordance with current best practice.

### **8.2 On-Site Sources of Contamination**

The site history dating back to 1884 has comprised undeveloped land until approximately 1960, after which the site is indicated to be occupied by a garden nursery. A small pond is indicated to have been present in the central southern portion of the site until the development of the site.

The former land-use as undeveloped agricultural land is not classified in the Department for Environment, Food and Rural Affairs and the Environment Agency's document CLR8 and the Department of the Environment Industry Profiles as being a potential source of contamination.

The former uses of the site as a plant nursery is considered to be a potential source of contamination in the form of pesticides and herbicides. However, it is understood that no pesticides or herbicides have been used as part of the onsite operations with natural biological controls adopted at the site.

During the site walkover, former boiler houses and a generator building were noted in the west of the site together with evidence of the presence of former ASTs. In addition, a small structure utilised for the storage of materials and machinery was present in the north-west of the site.

The ASTs and generator building are considered to be potential sources of contamination in the form of oil and fuel based hydrocarbons. No significant evidence of contamination of this nature was noted at the surface during the site walkover.

The boiler house located in the west of the site is understood to have been coal fired and was part of the heating system for the glasshouses. Evidence of coal dust and ash type materials were noted at the surface in the vicinity of the boiler house. Materials of this nature are considered to be a potential source of contamination in the form of metal, sulphates, sulphide and polycyclic aromatic hydrocarbons (PAH).

The structures present in the west and north-west of the site were noted to be constructed using potentially asbestos containing cement bonded sheeting. In addition, possible asbestos containing lagging materials were noted, associated with the former heating infrastructure in this portion of the site. Both the lagging and cement bonded sheeting were noted to be in a locally poor state of repair.

It is recommended that an asbestos survey is completed at the site by a specialist contractor prior to the commencement of any clearance or demolition works in this part of the site to verify the presence of any asbestos bearing materials present within existing building fabric.



There is the potential for Made Ground to be present across the site due to its previous development. In addition, it is considered likely that Made Ground materials will be present in the vicinity of the former pond located in the central southern portion of the site. Any Made Ground materials are considered to be a potential source of contamination and hazardous ground gas.

There is also the potential for contamination at the site from incidental leaks or spills of fuels and oils from machinery and vehicles used and stored at the site. This would give rise to the presence of oil and fuel based hydrocarbons within the near surface soils. No visual or olfactory evidence of contamination of this nature was noted during the site walkover.

### **8.3 Off-Site Sources of Contamination**

The immediate surrounding area has generally comprised undeveloped woodland and agricultural land until approximately 1972, after which a glasshouse manufacturer is indicated to be present directly to the west and north-west. This facility is indicated to have undergone a number of phases of development and is currently occupied by a uPVC windows and doors manufacturer.

These land uses are considered to be potential sources of contamination in the form of metals, cyanide, sulphates, sulphides, asbestos, pH, phenol, oil/fuel hydrocarbons, aromatic hydrocarbons, PAH's, chlorinated aliphatic hydrocarbons and PCB's.

### **8.4 Receptors and Pathways**

The receptors to any potential contamination at the site and therefore the element actually at risk from contamination have been identified as the following:

- Construction and maintenance workers and current and future site users;
- Service Lines – Constructed as part of any new development;
- Groundwater hydraulically down gradient of the site – Secondary Aquifer - A;
- Surface watercourses – Unnamed stream located approximately 140m to the north-west;
- Neighbouring properties and residents.

A pathway is the means by which a contamination source makes contact with the receptor creating a pollutant linkage. The three elements of a pollutant linkage (source-pathway-receptor) need to be identified for there to be a perceived risk from identified contamination. The pathways considered in this assessment are as follows:

- Direct Physical Contact – Dermal contact, ingestion, inhalation (PL1);
- Migration from soils to groundwater via leaching (PL2);
- Migration within groundwater (PL3);
- Migration via service lines (PL4);
- Volatilisation of contaminants from soils and groundwater (PL5);
- Migration of hazardous ground gases (PL6);
- Vegetable intake (PL7).

The critical receptors are considered to be groundwater hydraulically down gradient of the site within the Secondary Aquifer – A (controlled waters) and a female child at a residential development (human health).



## 8.5 Potential Pollutant Linkages and Qualitative Risk Assessment

The potential sources, pathways and receptors have been assessed to derive a list of potential pollutant linkages. This assessment is based on CLR 11 'Model Procedures for the Management of Land Contamination' (DEFRA) and in accordance with the procedure for identifying contaminated land under Part IIA of the Environmental Protection Act (1990). A generalised conceptual site model has been produced in this report as Figure 3.

### Human Health

The potential contamination risks to future site users and construction and maintenance workers are from the historical activities completed at the site and in the surrounding area.

The desk study has identified limited potential sources of contamination at the site associated with the site's former use as a nursery and historically an infilled pond in the central southern portion of the site. In general, the potential risk posed to human health by these sources of contamination is considered to be low and any residual risk is likely to be mitigated by the use of physical barriers including cover systems.

In the west of the site, in the area of the boiler houses and ASTs, the potential for contamination to be present is considered to be moderate to high given the nature of the activities completed in this area during the operation of the former nursery. There is the potential for physical remediation to be required in this area subject to the findings of a suitable intrusive investigation.

Potential sources of hazardous ground gas have been identified at the site associated with the former pond. The potential risk to human health is considered to be very low to low. It is considered that any risk may be mitigated by the use of physical barriers comprising gas resistant membranes.

The desk study has identified potential sources of contamination in the surrounding area associated with the works present directly to the west and north-west of the site. However, due to the likely cohesive nature of the underlying ground conditions the risk posed at the site from the migration of contamination and hazardous ground gases is considered to be very low.

The potential contamination risks to neighbouring site users are from historical activities completed at the site. The desk study has identified only limited potential sources of contamination at the site. The potential risk posed to neighbouring site users from any contamination at this site is considered to be very low.

### Service Lines

Only limited potential sources of contamination have been identified by the desk study with the exception of the boiler house area in the west of the site. Therefore the potential risk to service lines is considered to be moderate to low. It is considered likely that the use of contaminant resistant water supply pipes will mitigate any potential residual risk to service lines.

### Groundwater

The underlying solid geology of the Etruria Formation is classified as a Secondary Aquifer - A. There are no abstractions from groundwater located within 1.0km. The site is not indicated to be located in a SPZ. The environmental sensitivity of the site is therefore considered to be low. In consideration of the environmental setting and the likely presence of contamination at the site, the potential risk to controlled waters is considered to be low.



### **Surface Watercourses**

The nearest recorded surface water feature is an unnamed stream located approximately 140m to the north-west. In consideration of the environmental setting and the likely presence of contamination at the site, the potential risk to controlled waters is considered to be very low if not negligible.



## 9.0 GEOTECHNICAL CONSIDERATIONS

The site is indicated to be underlain by solid geology comprising strata of the Etruria Formation.

Based on the expected geology, it is considered likely that traditional strip or pad foundations may be appropriate for the site. However, the solid geology is expected to be cohesive in nature, therefore foundations may need to be locally deepened where they are in the influencing distance of trees in accordance with NHBC guidance.

It should also be noted that a large percentage of the site has been covered by glasshouses for a considerable length of time which has significantly limited infiltration of rainwater to the ground directly beneath these structures. The surface soils within the glasshouses was locally noted to severely desiccated. As a result, there is a high potential for the cohesive soils at the site to be susceptible to heave once the existing buildings have been removed.

Foundations may need to be extended through any thicker Made Ground, particularly in the vicinity of the former onsite pond.

Based on the likely cohesive nature of the ground conditions the use of shallow soakaways is unlikely to be feasible at the site. On site soakage testing is recommended to verify the infiltration rates of the ground conditions at the site.

It is considered necessary to undertake a detailed intrusive investigation at the site to identify any potential geotechnical constraints which may exist and to determine the geotechnical parameters of the underlying ground conditions.





## 10.0 FURTHER WORK

Based on the findings of the desk study it is recommended that an intrusive investigation is completed before commencement of any development works to assess the actual contaminative status of the ground conditions, particularly in the west of the site.

It is also considered essential that the intrusive investigation should determine the geotechnical parameters of the underlying ground conditions as part of the future development of the site.

The intrusive investigation is likely to comprise a series of boreholes and trial pits and should include the installation of ground gas monitoring standpipes and a suitable monitoring programme. Selected soil and leachate samples recovered during the intrusive investigation would be tested for a general suite of determinants.

In addition, it is recommended that an asbestos survey is completed at the site by a specialist contractor prior to the commencement of any site clearance or development works to determine the risk posed by any asbestos bearing materials present within existing building fabric.



## 11.0 SUMMARY AND RECOMMENDATIONS

A desk study is required as part of the proposed development of the site for a mixed residential and commercial end-use. The conclusions of this assessment are summarised as follows:

Based on the qualitative risk assessment the critical receptors are considered to be human health (female child for a residential development) and groundwater hydraulically down gradient of the site within the Secondary Aquifer - A.

The desk study has identified limited potential sources of contamination across the majority of the site. In general, the potential risk posed to human health by the identified sources of contamination is considered to be low and any residual risk is likely to be mitigated by the use of physical barriers including cover systems.

However, in the west of the site, in the area of the boiler houses and ASTs the potential for contamination to be present is considered to be moderate to high. There is the potential for physical remediation to be required in this area subject to the findings of a suitable intrusive investigation.

The potential risk from hazardous ground gases is considered to be very low to low. It is considered likely that any risk may be mitigated by physical barriers comprising gas protection measures to new buildings.

Based on the expected geology, it is considered that traditional strip or pad foundations may be appropriate for the site. However, foundations may need to be locally deepened in accordance with NHBC guidance. Foundations may also need to be extended through any thicker Made Ground, particularly in the vicinity of the former onsite pond. Consideration should also be given to the potential of the cohesive soils to be affected by heave once the existing buildings have been removed.

Based on the likely cohesive nature of the ground conditions the use of shallow soakaways is unlikely to be feasible at the site.

It is recommended that an asbestos survey is completed at the site by a specialist contractor prior to the commencement of any site clearance or development works to determine the risk posed by any asbestos bearing materials present within existing building fabric.

It is recommended that an intrusive ground investigation is required ahead of any development works to determine the founding properties of the underlying ground conditions and to determine the actual contaminative status of the ground conditions particularly in the west of the site. The intrusive investigation should include an assessment of presence of hazardous ground gases.



## REFERENCES

BGS Map Sheet No. 182 – Droitwich, Solid and Drift. 1:50 000 scale

DEFRA R&D Publication CLR 7 “Assessment of Risks to Human Health from Land Contamination” dated March 2002.

DEFRA R&D Publication CLR 8 “Potential Contaminants for the Assessment of Land” dated March 2002.

DEFRA R&D Publication CLR 9 “Contaminants in Soil” dated March 2002.

DEFRA R&D Publication CLR 10 “The Contaminated Land Exposure Assessment (CLEA) Model” dated March 2002.

DEFRA R&D Publication CLR 11 “Model Procedures for the Management of Land Contamination” dated September 2004.

DEFRA R&D Publication CLR 12 “A Quality Approach for Contaminated Land Consultancy” dated 1997.

[www.environment-agency.gov.uk](http://www.environment-agency.gov.uk)

Department of the Environment Industry Profiles

Envirocheck Report No. 152140647\_1\_1



## GENERAL NOTES

The interpretation made in this report is based on the information obtained during the course of the desk study and ground investigation. It should be appreciated that any desk study information is not necessarily exhaustive and that further information relevant to the site and its proposed usage may be available. There may be conditions present on the site that have not been revealed by the ground investigation which as a result have not been addressed within this report.

The accuracy of any map extracts cannot be guaranteed and it should be recognised that different conditions on site may have existed between and subsequent to the various map surveys.

The qualitative assessment of risk presented in this report presents an assessment of potential pollutant linkages between sources, pathways and receptors. A level of risk is attributed to these linkages. However a low or insignificant risk does not imply that elevated concentrations of various determinants are not present on the site when compared to background or 'greenfield' conditions.

The level of risk attributed is based on a number of factors and the interpretation of this risk may be applied in a different manner for a different end use or environmental setting. The presence of contaminants may be assessed in alternative ways by institutional bodies regardless of whether an apparent risk is present based on the identified pollutant linkages in this assessment.

This report may express an opinion on possible configurations of strata underlying the site between or beyond the exploratory holes or on the possible presence of features based on either visual, verbal or published evidence, this is for guidance only and no liability can be accepted for its accuracy.

Comments made on ground conditions are based on the observations made at the time of the investigation works. It should be noted that groundwater levels may vary due to seasonal fluctuation or other factors. Observations made with respect to below ground gas concentrations may also vary due to seasonal factors and atmospheric conditions.

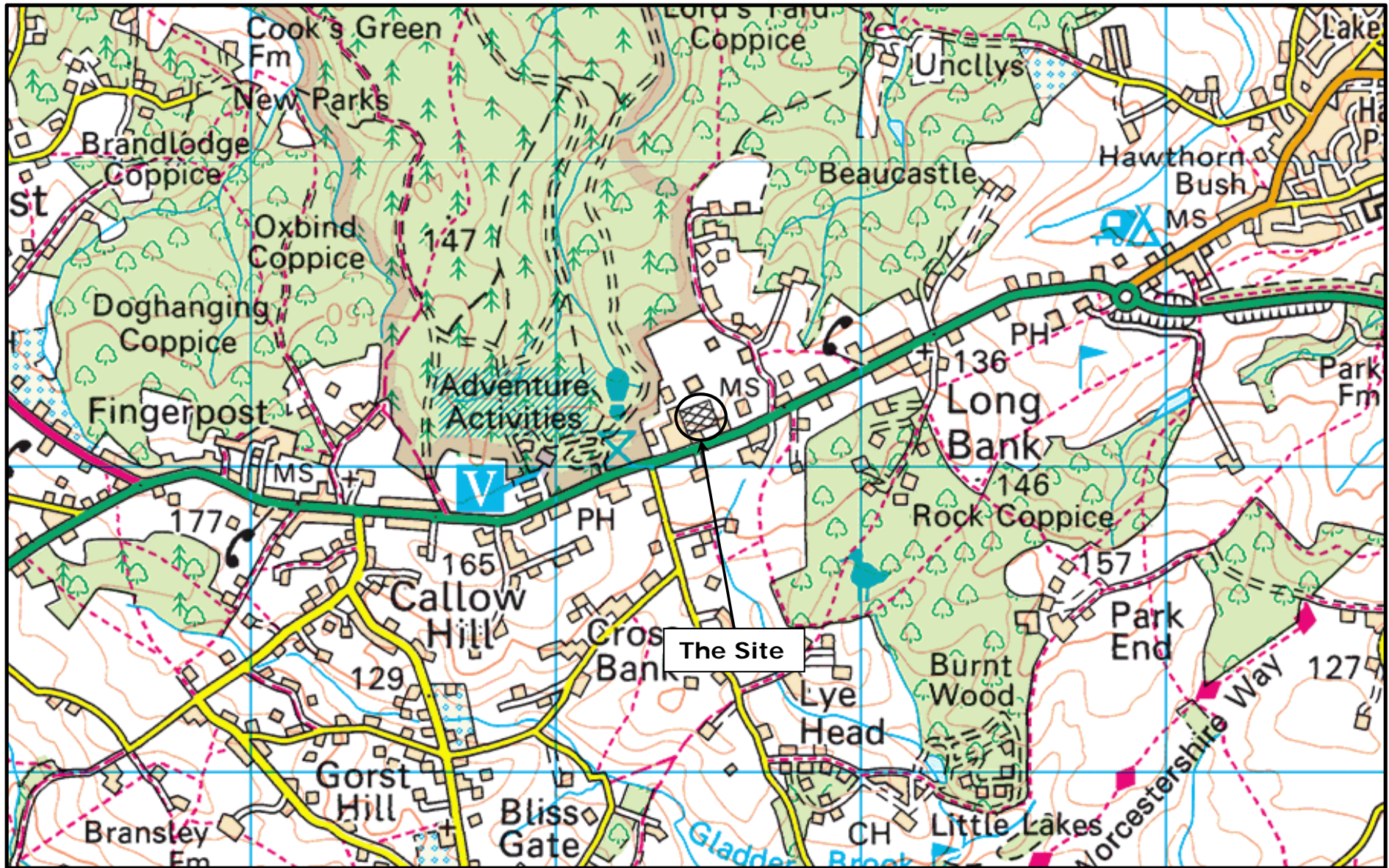
This report has been prepared in relation to the proposed development as detailed herein. Should the nature of the development change following the submission of this report a re-assessment of the conditions recorded on the site may be necessary.

This report may not be used in the assessment of the conditions at any site other than the site described herein

This report has been prepared for the sole use of the client and the client's agents and advisors in relation to the proposed development as detailed herein. The issue of this report to third parties not involved in the proposed development as described herein is not permitted without the prior permission being received in writing by ASL. Reproduction of this report to include all figures, drawings and appendices is prohibited without the prior written consent of ASL.



## FIGURES



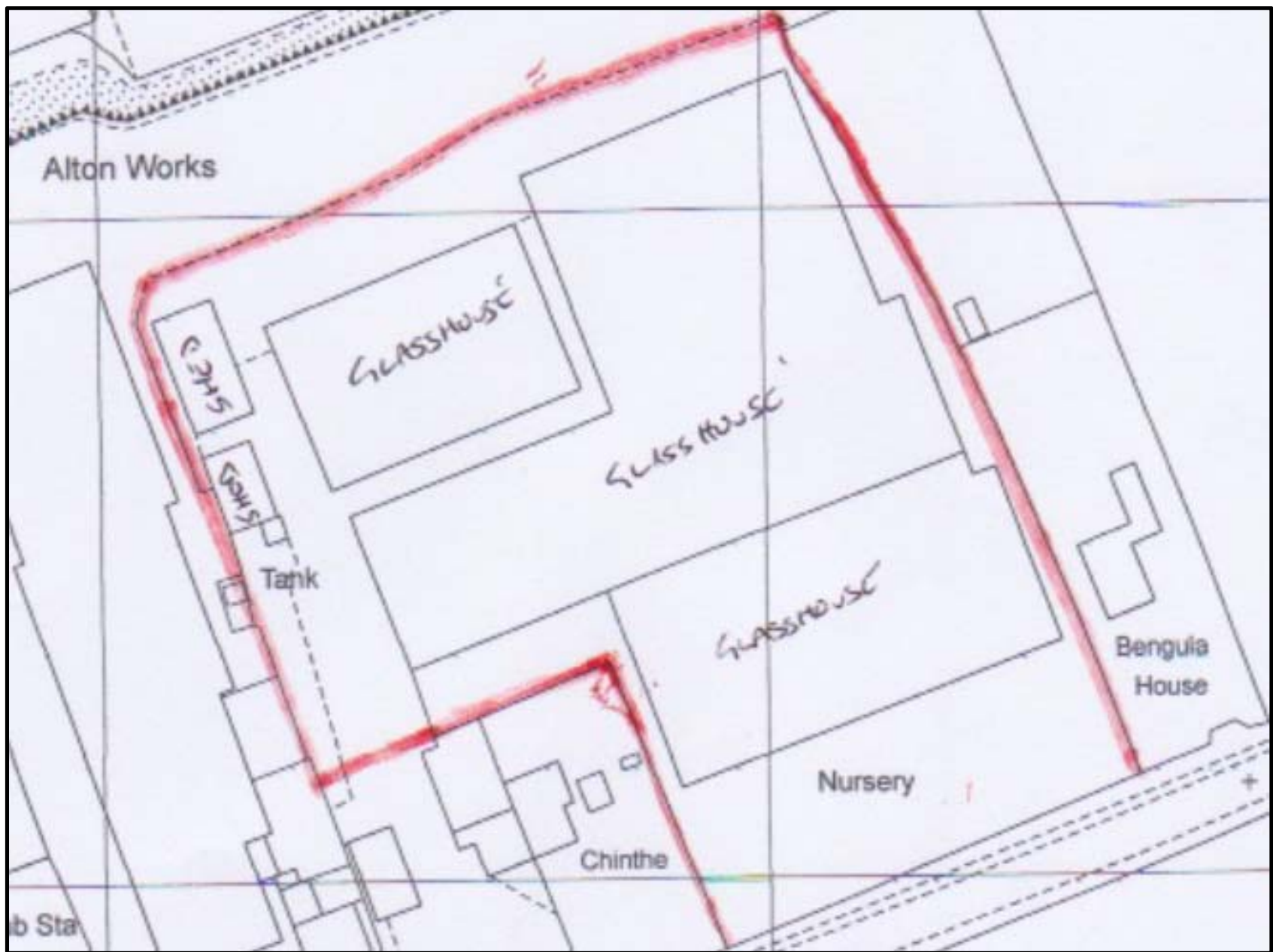
OS Sheet No.176 West London 1:50,000 Scale, dated 2016

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The Geo-Environmental Service Provider

**Figure 1**  
**Site Location Plan**  
 Alton Nurseries, Long Bank, Bewdley  
 Project No. 400-17-527-09  
 Prepared for: Mr Chris Fletcher

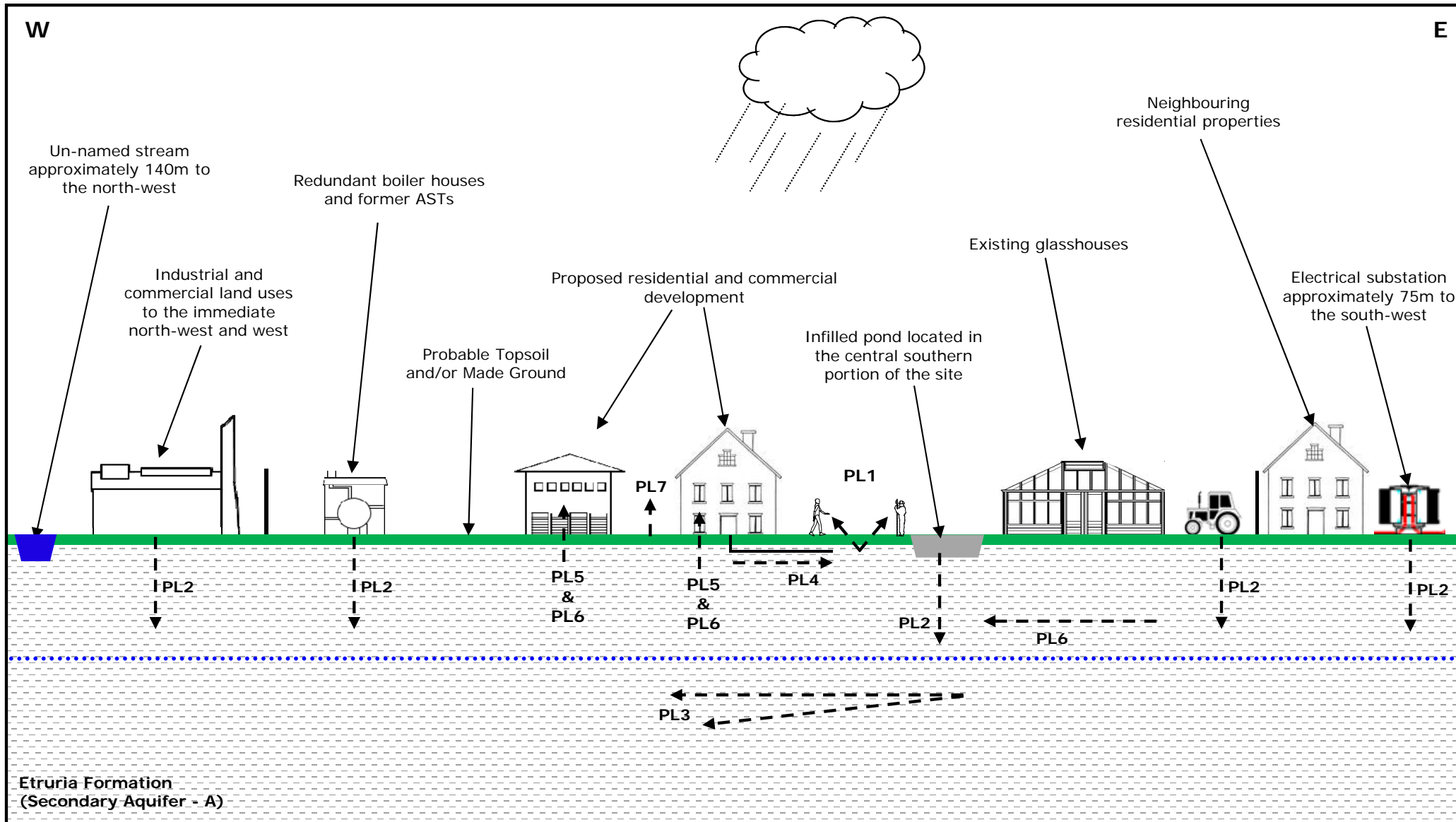




The Geo-Environmental Service Provider

Figure 2  
Site Layout Plan  
Alton Nurseries, Long Bank, Bewdley  
Project No. 400-17-527-09  
Prepared for: Mr Chris Fletcher





**Figure 3**  
**Conceptual Model**  
**Alton Nurseries, Long Bank, Bewdley**  
**Project No. 400-17-527-09**  
**Prepared for: Mr Chris Fletcher**

The Geo-Environmental Service Provider







## **APPENDIX I**

### **ENVIRONMENTAL DATABASE SEARCH RESULTS**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

152140647\_1\_1

**Customer Reference:**

400-17-527

**National Grid Reference:**

375480, 274160

**Slice:**

A

**Site Area (Ha):**

1.21

**Search Buffer (m):**

1000

#### Site Details:

1 Alton Nurseries, Longbank

BEWDLEY

DY12 2UL

#### Client Details:

Mr M Davis

ASL

Holly Farm Business Park

Honiley

Warwickshire

CV8 1NP

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	-
Geological	13
Industrial Land Use	22
Sensitive Land Use	25
Data Currency	26
Data Suppliers	32
Useful Contacts	33

### 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 the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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### Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		1		
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3		3		1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*8)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			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 6		4	14	27

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
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	pg 12	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 12				4
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 13	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 13	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 20				2
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	pg 20	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 21	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 21	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				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 21	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
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 22		11		3
Fuel Station Entries	pg 23				1
Points of Interest - Commercial Services	pg 23		9		1
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 24	1	1		4
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 25		2	1	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	pg 25			1	
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 25				1
Ramsar Sites					
Sites of Special Scientific Interest	pg 25		1		1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	12	1	375400 274200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	38	1	375450 274250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	47	1	375600 274100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	58	1	375550 274050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	90	1	375482 274000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	107	1	375300 274157
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	145	1	375700 274150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	151	1	375550 273950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	159	1	375700 274050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	170	1	375350 274350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	192	1	375250 274300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	195	1	375750 274100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	198	1	375750 274157
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	209	1	375200 274150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	220	1	375700 273950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	224	1	375250 274350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	226	1	375550 274450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	235	1	375200 274300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	242	1	375600 274450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	262	1	375200 274350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	277	1	375350 273850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	295	1	375850 274150



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	295	1	375550 273800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	302	1	375700 273850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	303	1	375150 274350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	340	1	375482 273750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	371	1	375800 274450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	393	1	375250 274550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	406	1	375900 273900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	407	1	375000 274200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	409	1	375900 274350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	420	1	375650 273700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	428	1	375950 273950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	432	1	375600 274650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	443	1	375550 273650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	445	1	375000 274000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	446	1	375650 274650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	449	1	375400 273650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	458	1	375000 274400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	459	1	376000 274000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	467	1	375900 273800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	469	1	375850 273750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	473	1	375100 274550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	476	1	375950 273850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	481	1	375600 274700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A19SW (NE)	481	1	375900 274500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	482	1	375800 273700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	485	1	374950 274350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	490	1	375482 273600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	494	1	375650 274700
1	<b>Discharge Consents</b> Operator: Bewdley Commercial Centre Ltd Property Type: Undefined Or Other Location: Bewdley Commercial Centre Ltd Alton Works, Long Bank, Bewdley, Worcestershire, Dy12 2uj Authority: Environment Agency, Midlands Region Catchment Area: Lower Mid Severn Catchment (Tewksbury) Reference: Npswqd005412 Permit Version: 1 Effective Date: 23rd January 2009 Issued Date: 22nd January 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Watercourse To Dowles <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	180	2	375297 274333
2	<b>Local Authority Pollution Prevention and Controls</b> Name: Mpb Garden Buildings Ltd Location: Coppice Gate, Lye Head, BEWDLEY, Worcestershire, DY12 2UX Authority: Wyre Forest District Council, Environmental Health Department Permit Reference: Tp02/02 Dated: 12th November 1992 Process Type: Local Authority Pollution Prevention and Control Description: PG6/3 Chemical treatment of timber and wood-based products <b>Status: Authorised</b> Positional Accuracy: Manually positioned to the address or location	A8SE (S)	807	3	375770 273332
2	<b>Local Authority Pollution Prevention and Controls</b> Name: Pounds Garden Buildings Ltd Location: Coppice Gate, Lye Head, Bewdley, Worcestershire, Dy12 2ux Authority: Wyre Forest District Council, Environmental Health Department Permit Reference: TP02/02 Dated: 31st October 1991 Process Type: Local Authority Pollution Prevention and Control Description: PG6/3 Chemical treatment of timber and wood-based products <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A8SE (S)	807	3	375770 273332
	<b>Nearest Surface Water Feature</b>	A13NW (NW)	138	-	375302 274279
3	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage (Non-PLC): Septic Tank Location: Location Description Not Available Authority: Environment Agency, Midlands Region Pollutant: Sewage - Septic Tank Effluent Note: Amenity Affected Incident Date: 13th January 1996 Incident Reference: 2000154 Catchment Area: Severn Catchment : Upper Mid Severn (Montford - Bewdley) Receiving Water: Watercourse Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	12	2	375400 274200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Private Sewage (Non-PLC): Sewage Treatment Works            Location: Location Description Not Available            Authority: Environment Agency, Midlands Region            Pollutant: Sewage - Treated Effluent            Note: Amenity Affected            Incident Date: 10th January 1996            Incident Reference: 2500482            Catchment Area: Severn Catchment : Upper Mid Severn (Montford - Bewdley)            Receiving Water: Watercourse            Cause of Incident: Other Incident/Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13NW (NW)	153	2	375300 274300
5	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Sewage Treatment Works            Location: Wyre Forest            Authority: Environment Agency, Midlands Region            Pollutant: Sewage - Treated Effluent            Note: Wildlife Affected; Amenity Affected; Sewage Effluent In Watercourse            Incident Date: 16th July 1998            Incident Reference: 2503749            Catchment Area: Severn Catchment : Stour (Worcestershire)            Receiving Water: Watercourse            Cause of Incident: Miscellaneous/Other Pollution Type            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13NW (W)	227	2	375180 274170
6	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Domestic/Residential            Location: St Johns Lane, BEWDLEY            Authority: Environment Agency, Midlands Region            Pollutant: Oils - Gas Oil            Note: 2000 Litres Heating Oil Lost To Groun            Incident Date: 29th December 1998            Incident Reference: 2504385            Catchment Area: Severn Catchment : Teme            Receiving Water: Not Given            Cause of Incident: Leaking Underground Pipe            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	930	2	374550 274550
	<p><b>Water Abstractions</b></p> <p>Operator: M J Crane            Licence Number: 18/54/02/0252            Permit Version: 100            Location: The Woodlands,Long Bank - Borehole            Authority: Environment Agency, Midlands Region            Abstraction: General Farming And Domestic            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: The Woodlands,Long Bank - Borehole            Authorised Start: 01 April            Authorised End: 31 March            Permit Start Date: 21st March 1997            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1058	2	376500 274600
	<p><b>Water Abstractions</b></p> <p>Operator: Michael William Hopley            Licence Number: 18/54/08/04091            Permit Version: Not Supplied            Location: Bliss Gate, ROCK            Authority: Environment Agency, Midlands Region            Abstraction: Impounding            Abstraction Type: Not Supplied            Source: Surface            Daily Rate (m3): 0            Yearly Rate (m3): 0            Details: Gladder Brook            Authorised Start: Not Supplied            Authorised End: Not Supplied            Permit Start Date: Not Supplied            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	1058	2	374900 273200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: G J G Limited  Licence Number: 18/54/02/0575  Permit Version: 101  Location: Wharton Park Golf Club - Borehole  Authority: Environment Agency, Midlands Region  Abstraction: Golf Courses: Drinking; Cooking; Sanitary; Washing; (Small Garden)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Wharton Park Golf Club - Borehole  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 1st September 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1192	2	376690 274480
	<p><b>Water Abstractions</b></p> <p>Operator: Wharton Park Golf And Country Club Limited  Licence Number: 18/54/02/0571  Permit Version: 102  Location: Wharton Bank Golf Club, Bewdley - Borehole  Authority: Environment Agency, Midlands Region  Abstraction: Golf Courses: Spray Irrigation - Storage  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Wharton Bank Golf Club, Bewdley - Borehole  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 30th April 2010  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A15NW (E)	1230	2	376730 274480
	<p><b>Water Abstractions</b></p> <p>Operator: G J G Limited  Licence Number: 18/54/02/0571  Permit Version: 101  Location: Wharton Bank Golf Club, Bewdley - Borehole  Authority: Environment Agency, Midlands Region  Abstraction: Golf Courses: Spray Irrigation - Storage  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Wharton Bank Golf Club, Bewdley - Borehole  Authorised Start: 01 April  Authorised End: 31 March  Permit Start Date: 1st September 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A15NW (E)	1230	2	376730 274480
	<p><b>Water Abstractions</b></p> <p>Operator: Little Lakes Golf Club  Licence Number: 18/54/08/0528/1  Permit Version: 1  Location: Lye Head, Bewdley - Unnamed Pond (On Trib Of Gladder Brook)  Authority: Environment Agency, Midlands Region  Abstraction: Golf Courses: Spray Irrigation - Direct  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Land At Little Lakes Golf Club, Lye Head, Bewdley, Worcs  Authorised Start: 01 March  Authorised End: 31 October  Permit Start Date: 1st April 2008  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A4NE (SE)	1484	2	376330 272850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Little Lakes Golf Club            Licence Number: 18/54/08/0528            Permit Version: 1            Location: Lye Head, Bewdley - Unnamed Pond (On Trib Of Gladder Brook)            Authority: Environment Agency, Midlands Region            Abstraction: Golf Courses: Spray Irrigation - Direct            Abstraction Type: Water may be abstracted from a single point            Source: Surface            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Land At Little Lakes Golf Club, Lye Head, Bewdley, Worcs            Authorised Start: 01 March            Authorised End: 31 October            Permit Start Date: 26th May 1999            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A4NE (SE)	1484	2	376330 272850
	<p><b>Water Abstractions</b></p> <p>Operator: Hopleys            Licence Number: 18/54/02/0456            Permit Version: 100            Location: Doddingtree Farm - Trib Dowles Brook            Authority: Environment Agency, Midlands Region            Abstraction: General Agriculture: Spray Irrigation - Storage            Abstraction Type: Water may be abstracted from a single point            Source: Surface            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Doddingtree Farm - Trib Dowles Brook            Authorised Start: 01 April            Authorised End: 31 March            Permit Start Date: 14th March 2000            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A20NE (NE)	1666	2	376990 274980
	<p><b>Groundwater Vulnerability</b></p> <p>Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment            Map Sheet: Sheet 29 Worcestershire            Scale: 1:100,000</p>	A13SE (NE)	0	2	375482 274157
	<p><b>Drift Deposits</b></p> <p>None</p>				
	<p><b>Bedrock Aquifer Designations</b></p> <p>Aquifer Designation: Secondary Aquifer - A</p>	A13SE (NE)	0	1	375482 274157
	<p><b>Superficial Aquifer Designations</b></p> <p>No Data Available</p>				
	<p><b>Extreme Flooding from Rivers or Sea without Defences</b></p> <p>None</p>				
	<p><b>Flooding from Rivers or Sea without Defences</b></p> <p>None</p>				
	<p><b>Areas Benefiting from Flood Defences</b></p> <p>None</p>				
	<p><b>Flood Water Storage Areas</b></p> <p>None</p>				
	<p><b>Flood Defences</b></p> <p>None</p>				
7	<p><b>OS Water Network Lines</b></p> <p>Watercourse Form: Inland river            Watercourse Length: 427.1            Watercourse Level: On ground surface            Permanent: True            Watercourse Name: Not Supplied            Catchment Name: Severn            Primacy: 1</p>	A13NW (NW)	138	4	375302 274279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 649.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SE (SE)	166	4	375634 273970
9	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (W)	238	4	375181 274106
10	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (W)	249	4	375179 274082
11	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 46.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (W)	251	4	375188 274049
12	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (SW)	252	4	375197 274026
13	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (SW)	253	4	375200 274017
14	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (SW)	266	4	375190 274008
15	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (SW)	286	4	375167 274010
16	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (SW)	286	4	375167 274010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 100.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13SW (SW)	292	4	375329 273839
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 517.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A13NE (NE)	351	4	375802 274412
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (W)	441	4	374984 274055
20	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (W)	453	4	374965 274079
21	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (W)	453	4	374965 274079
22	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (W)	461	4	374954 274099
23	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SE (W)	469	4	374940 274142
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 182.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (W)	485	4	374922 274164
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 332.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A18SE (NE)	501	4	375712 274684

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8NE (S)	504	4	375681 273621
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8NE (SE)	504	4	375710 273634
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A17SE (NW)	505	4	375019 274517
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (NW)	510	4	374960 274434
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A17SE (NW)	513	4	375023 274530
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 96.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (NW)	514	4	374951 274426
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A17SE (NW)	519	4	375026 274543
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A17SE (NW)	520	4	375055 274573
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 783.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A17SE (NW)	534	4	375041 274580



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (W)	540	4	374895 274360
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (W)	545	4	374885 274348
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (W)	564	4	374859 274321
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (W)	583	4	374835 274298
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NE (W)	589	4	374827 274294
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 199.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12SW (W)	655	4	374754 274123
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 107.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A12NW (W)	663	4	374746 274234
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 253.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SE (S)	690	4	375625 273412
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 82.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SE (S)	715	4	375706 273407

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 517.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A9NW (SE)	743	4	376022 273537
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 402.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A19NW (NE)	767	4	375920 274873
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SE (S)	796	4	375740 273333
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 128.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A18NW (N)	808	4	375305 275012
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 501.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SE (S)	859	4	375759 273273
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 232.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A8SW (S)	866	4	375147 273296
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 483.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A18NW (N)	927	4	375271 275126
51	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 15.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Severn Primacy: 1	A15SW (E)	997	4	376552 274123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: Wyre Forest District Council - Has supplied landfill data		0	3	375482 274157
	<b>Local Authority Landfill Coverage</b> Name: Worcestershire County Council - Has supplied landfill data		0	5	375482 274157
52	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A7NE (SW)	583	-	375094 273640
53	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1974	A12NW (W)	620	-	374787 274169
54	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	764	-	376110 274692
55	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SE (NE)	948	-	376302 274739

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Warwickshire Group	A13SE (NE)	0	1	375482 274157
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (NE)	0	1	375482 274157
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13NW (NW)	25	1	375425 274230
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	59	1	375381 274243
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A13SE (SE)	65	1	375552 274038
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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 mg/kg	A13SE (S)	90	1	375482 274000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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	A13SW (S)	106	1	375437 274000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13SE (SE)	154	1	375588 273962
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A13NW (NW)	160	1	375392 274358
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A13SE (SE)	186	1	375729 274049
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13SE (SE)	191	1	375708 274000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A13NW (NW)	226	1	375227 274327
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A18SE (N)	271	1	375482 274500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SW (N)	302	1	375421 274525
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13NW (NW)	322	1	375164 274401
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	323	1	375672 273812
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A18SW (NW)	363	1	375217 274500
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A13NE (NE)	369	1	375804 274442
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A14NW (NE)	400	1	375896 274338

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12SE (W)	406	1	375042 274000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	407	1	375000 274157
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8NE (S)	434	1	375672 273694
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	447	1	375845 274516
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8NE (S)	452	1	375585 273647
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12SE (SW)	490	1	375036 273828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14NW (E)	494	1	376000 274334
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A17SE (NW)	504	1	375118 274603
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	521	1	376000 274401
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12NE (NW)	562	1	374911 274454
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A7NE (SW)	576	1	375016 273718
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A7NE (SW)	603	1	375039 273658



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A9NW (SE)	610	1	375921 273626
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12NE (NW)	663	1	374817 274490
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8SE (S)	691	1	375543 273400
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A9NW (SE)	713	1	376111 273669
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8SE (S)	753	1	375752 273382
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SE (SE)	765	1	376263 273826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A19SE (NE)	777	1	376226 274522
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A19NW (NE)	860	1	376023 274913
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A17SW (NW)	871	1	374728 274736
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A8SE (S)	874	1	375501 273216
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A18NW (N)	881	1	375229 275066
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;100 mg/kg</p> <p>Nickel &lt;15 mg/kg</p> <p>Concentration:</p>	A12NW (W)	917	1	374491 274228

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	940	1	375261 275137
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SE (E)	952	1	376472 273859
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A15NW (E)	985	1	376539 274173
56	<b>BGS Recorded Mineral Sites</b> Site Name: Cross Bank Location: Cross Bank, Stourport-On-Severn, Worcestershire Source: British Geological Survey, National Geoscience Information Service Reference: 45836 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	588	1	375092 273636
57	<b>BGS Recorded Mineral Sites</b> Site Name: Beaucastle Location: Hawthorn Bush, Stourport-On-Severn, Worcestershire Source: British Geological Survey, National Geoscience Information Service Reference: 45831 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	763	1	376110 274690
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NE)	0	-	375482 274157

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	209	1	375216 274275
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	375482 274157
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	25	1	375425 274230
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	65	1	375552 274038
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	154	1	375588 273962
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	160	1	375392 274358
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	186	1	375729 274049
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	226	1	375227 274327
	<b>Radon Potential - Radon Affected Areas</b> 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 (NE)	0	1	375482 274157
	<b>Radon Potential - Radon Protection Measures</b> 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 (NE)	0	1	375482 274157

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	<b>Contemporary Trade Directory Entries</b> Name: Banbury Doors & Windows Location: Longbank, Bewdley, DY12 2UL Classification: Window Frame Manufacturers Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A13SW (SW)	27	-	375416 274093
59	<b>Contemporary Trade Directory Entries</b> Name: Glass Fibre Building Products Ltd Location: Unit 2 Alton Works, Longbank, Bewdley, Worcestershire, DY12 2UL Classification: Builders' Merchants Status: <b>Active</b> Positional Accuracy: Manually positioned to the address or location	A13SW (W)	53	-	375371 274127
60	<b>Contemporary Trade Directory Entries</b> Name: Red 5 Location: Bewdley Business Park, Long Bank, Bewdley, Worcestershire, DY12 2TZ Classification: Car Body Repairs Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	106	-	375471 274330
60	<b>Contemporary Trade Directory Entries</b> Name: Crafted Brewing Co Ltd Location: Unit 3c, Bewdley Business Park, Long Bank, Bewdley, DY12 2TZ Classification: Brewers Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	108	-	375465 274329
60	<b>Contemporary Trade Directory Entries</b> Name: Mobile Welding Services Location: Bewdley Business Park, Long Bank, Bewdley, DY12 2TZ Classification: Car Body Repairs Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	122	-	375431 274333
61	<b>Contemporary Trade Directory Entries</b> Name: Bondloc UK Ltd Location: Unit 1, Bewdley Business Park, Long Bank, Bewdley, DY12 2TZ Classification: Adhesives, Glues & Sealants Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	136	-	375370 274322
62	<b>Contemporary Trade Directory Entries</b> Name: Gaytsmaid Wrought Iron Location: Unit 1, St. Johns Lane, Bewdley, Worcestershire, DY12 2QY Classification: Gate Manufacturers Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (E)	223	-	375739 274256
62	<b>Contemporary Trade Directory Entries</b> Name: Coopers Mini Specialists Location: Unit 2-3, St. Johns La, Bewdley, Worcestershire, DY12 2QY Classification: Classic Car Specialists Status: <b>Inactive</b> Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	227	-	375739 274265
62	<b>Contemporary Trade Directory Entries</b> Name: Abbey Elevators Location: Unit 3, St. Johns Lane, Bewdley, Worcestershire, DY12 2QY Classification: Lift Manufacturers Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	227	-	375737 274270
62	<b>Contemporary Trade Directory Entries</b> Name: Mobile Auto Repairs Location: Unit 5, St. Johns Lane, Bewdley, DY12 2QY Classification: Garage Services Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	232	-	375736 274283
62	<b>Contemporary Trade Directory Entries</b> Name: Gasotronics Location: Unit 6, St. Johns Lane, Bewdley, Worcestershire, DY12 2QY Classification: Garage Services Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NE (NE)	235	-	375735 274291
63	<b>Contemporary Trade Directory Entries</b> Name: Tanc Barratt Location: Rock, Kidderminster, DY14 9XH Classification: Classic Car Specialists Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	527	-	374970 273863

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	<b>Contemporary Trade Directory Entries</b> Name: K M Fencing Location: The Patches, Lye Head, Bewdley, Worcestershire, DY12 2UT Classification: Fencing Manufacturers Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SE (S)	721	-	375565 273372
64	<b>Contemporary Trade Directory Entries</b> Name: K M Fencing Location: The Patches, Lye Head, BEWDLEY, Worcestershire, DY12 2UT Classification: Fencing Manufacturers Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A8SE (S)	733	-	375570 273361
65	<b>Fuel Station Entries</b> Name: Duke William Garage Location: A456, Callow Hill, Rock, KIDDERMINSTER, Worcestershire, DY14 9XH Brand: Obsolete Premises Type: Not Applicable Status: <b>Obsolete</b> Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	527	-	374970 273863
66	<b>Points of Interest - Commercial Services</b> Name: Mobile Welding Services Location: Unit 16b Bewdley Business Park, Long Bank, Bewdley, DY12 2TZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	103	6	375390 274294
67	<b>Points of Interest - Commercial Services</b> Name: Red 5 Location: Bewdley Business Park, Long Bank, Bewdley, DY12 2TZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (N)	106	6	375471 274330
68	<b>Points of Interest - Commercial Services</b> Name: Gaytsmaid Location: Unit 1, St. Johns Lane, Bewdley, DY12 2QY Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13NE (E)	223	6	375739 274256
68	<b>Points of Interest - Commercial Services</b> Name: Gaytsmaid Location: Unit 1, St. Johns Lane, Bewdley, DY12 2QY Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A13NE (E)	223	6	375739 274256
68	<b>Points of Interest - Commercial Services</b> Name: Mini Coopers Specialists Location: Unit 2-2a, St. Johns Lane, Bewdley, DY12 2QY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (E)	226	6	375739 274263
68	<b>Points of Interest - Commercial Services</b> Name: Mobile Auto Repairs Location: Unit 5, St. Johns Lane, Bewdley, DY12 2QY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	228	6	375735 274275
68	<b>Points of Interest - Commercial Services</b> Name: Mobile Auto Repairs Location: Unit 4, St. Johns Lane, Bewdley, DY12 2QY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	229	6	375736 274275
68	<b>Points of Interest - Commercial Services</b> Name: Gasotronics Location: Unit 6, St. Johns Lane, Bewdley, DY12 2QY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	234	6	375735 274291
68	<b>Points of Interest - Commercial Services</b> Name: Gasotronics Location: Unit 6, St. Johns Lane, Bewdley, DY12 2QY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	235	6	375735 274291

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	<b>Points of Interest - Commercial Services</b> Name: Tanc Barratt Location: Rock, Kidderminster, DY14 9XH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	589	6	374915 273834
70	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: DY12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	0	6	375429 274145
70	<b>Points of Interest - Manufacturing and Production</b> Name: Alton Works Location: DY12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	21	6	375392 274205
71	<b>Points of Interest - Manufacturing and Production</b> Name: Timber Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (S)	875	6	375829 273282
71	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: DY12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (S)	878	6	375829 273278
72	<b>Points of Interest - Manufacturing and Production</b> Name: Simmonds Location: Cherry Trees Chapel Lane, Callow Hill, Rock, Kidderminster, DY14 9XF Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A11NE (W)	996	6	374411 274163
72	<b>Points of Interest - Manufacturing and Production</b> Name: Simmonds Location: Cherry Trees, Chapel Lane, Rock, Kidderminster, DY14 9XF Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A11NE (W)	996	6	374411 274163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	<b>Ancient Woodland</b> Name: Earnwood Copse Reference: 1121151 Area(m <sup>2</sup> ): 7478824.77 Type: Ancient and Semi-Natural Woodland	A13NW (W)	36	7	375372 274176
74	<b>Ancient Woodland</b> Name: Earnwood Copse Reference: 1121151 Area(m <sup>2</sup> ): 9414720.64 Type: Plantation on Ancient Woodland	A13SW (W)	43	7	375367 274159
75	<b>Ancient Woodland</b> Name: Burnt Wood And Rock Coppice Reference: 1106854 Area(m <sup>2</sup> ): 601700.91 Type: Ancient and Semi-Natural Woodland	A14SW (SE)	295	7	375827 274000
76	<b>Ancient Woodland</b> Name: Burnt Wood And Rock Coppice Reference: 1106854 Area(m <sup>2</sup> ): 10034.92 Type: Plantation on Ancient Woodland	A9NE (SE)	919	7	376300 273576
77	<b>National Nature Reserves</b> Name: Wyre Forest Multiple Areas: Y Total Area (m2): 5819057.99 Source: Natural England Reference: 1006166 Designation Date: Not Supplied	A14SW (E)	285	7	375826 274026
78	<b>Nitrate Vulnerable Zones</b> Name: R Severn - Conf R Worfe To Conf R Stour Nvz Description: Surface Water Source: Environment Agency, Head Office	A14SE (E)	745	8	376300 274150
79	<b>Sites of Special Scientific Interest</b> Name: Wyre Forest Multiple Areas: Y Total Area (m2): 17557593.06 Source: Natural England Reference: 1004198 Designation Details: Forest Nature Reserve Designation Date: 8th April 1998 Date Type: Notified Designation Details: Local Wildlife Site Designation Date: 8th April 1998 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 8th April 1998 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 8th April 1998 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 8th April 1998 Date Type: Notified	A13NE (NE)	200	7	375684 274316
80	<b>Sites of Special Scientific Interest</b> Name: Bliss Gate Pastures Multiple Areas: N Total Area (m2): 19694.07 Source: Natural England Reference: 1007237 Designation Details: Site Of Special Scientific Interest Designation Date: 31st March 1995 Date Type: Notified	A7NW (SW)	965	7	374696 273491



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Bridgnorth District Council (now part of Shropshire Council) - Environmental Health Department Malvern Hills District Council - Environmental Health Department Shropshire Council - Environmental Health Department South Shropshire District Council (now part of Shropshire Council) - Environmental Health Department Wyre Forest District Council - Environmental Health Department	January 2009  March 2015 March 2015 May 2009  October 2014	Not Applicable  Annual Rolling Update Annually Not Applicable  Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Midlands Region	October 2017	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Midlands Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Midlands Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Midlands Region	October 2017	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Malvern Hills District Council - Environmental Health Department Wyre Forest District Council - Environmental Health Department South Shropshire District Council (now part of Shropshire Council) - Environmental Health Department Shropshire Council - Environmental Health Department Bridgnorth District Council (now part of Shropshire Council) - Environmental Health Department	January 2015 January 2015 June 2008  October 2014 September 2008	Annual Rolling Update Annual Rolling Update Not Applicable  Annually Not Applicable
<b>Local Authority Pollution Prevention and Controls</b> Malvern Hills District Council - Environmental Health Department Wyre Forest District Council - Environmental Health Department South Shropshire District Council (now part of Shropshire Council) - Environmental Health Department Shropshire Council - Environmental Health Department Bridgnorth District Council (now part of Shropshire Council) - Environmental Health Department	January 2015 January 2015 June 2008  October 2014 September 2008	Annual Rolling Update Annual Rolling Update Not Applicable  Annually Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Malvern Hills District Council - Environmental Health Department Wyre Forest District Council - Environmental Health Department South Shropshire District Council (now part of Shropshire Council) - Environmental Health Department Shropshire Council - Environmental Health Department Bridgnorth District Council (now part of Shropshire Council) - Environmental Health Department	January 2015 January 2015 June 2008  October 2014 September 2008	Annual Rolling Update Annual Rolling Update Not Applicable  Annually Not Applicable
<b>Nearest Surface Water Feature</b> Ordnance Survey	September 2017	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Midlands Region	December 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Midlands Region	July 2015	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Midlands Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - Midlands Region	January 2015	
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - West Area	October 2017 October 2017	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Midlands Region	October 2017	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Midlands Region	October 2017	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	October 2017	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	November 2017	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	November 2017	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	November 2017	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	November 2017	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	November 2017	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	October 2017	6 Weekly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	October 2017	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Midlands Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - West Area	October 2017 October 2017	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - West Area	October 2017 October 2017	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Bridgnorth District Council (now part of Shropshire Council) - Environmental Health Department Malvern Hills District Council - Environmental Shropshire County Council (now part of Shropshire Council) - Shropshire Records And Research Centre South Shropshire District Council (now part of Shropshire Council) - Environmental Health Department Worcestershire County Council Wyre Forest District Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Wyre Forest District Council - Environmental Health Department Bridgnorth District Council (now part of Shropshire Council) - Environmental Health Department Malvern Hills District Council - Environmental Shropshire County Council (now part of Shropshire Council) - Shropshire Records And Research Centre Worcestershire County Council South Shropshire District Council (now part of Shropshire Council) - Environmental Health Department	March 2004 May 2000 May 2000 May 2000 May 2000 May 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	September 2017	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Malvern Hills District Council - Environmental Worcestershire County Council Wyre Forest District Council - Planning and Environment Division Shropshire Council - Planning Department South Shropshire District Council (now part of Shropshire Council) - Planning Department Shropshire County Council (now part of Shropshire Council) Bridgnorth District Council (now part of Shropshire Council)	April 2015 February 2016 February 2016 February 2016 January 2008 March 2009 October 2008	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually Not Applicable Annual Rolling Update Not Applicable
<b>Planning Hazardous Substance Consents</b> Malvern Hills District Council - Environmental Worcestershire County Council Wyre Forest District Council - Planning and Environment Division Shropshire Council - Planning Department South Shropshire District Council (now part of Shropshire Council) - Planning Department Shropshire County Council (now part of Shropshire Council) Bridgnorth District Council (now part of Shropshire Council)	April 2015 February 2016 February 2016 February 2016 January 2008 March 2009 October 2008	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually Not Applicable Annual Rolling Update Not Applicable

Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	November 2017	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	November 2017	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	December 2017	Quarterly
<b>Points of Interest - Education and Health</b> PointX	December 2017	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	December 2017	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	December 2017	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	December 2017	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	October 2017	Bi-Annually
<b>Areas of Adopted Green Belt</b> Bridgnorth District Council (now part of Shropshire Council) Shropshire Council - Planning Department Wyre Forest District Council	November 2017 November 2017 November 2017	As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Bridgnorth District Council (now part of Shropshire Council) Shropshire Council - Planning Department Wyre Forest District Council	November 2017 November 2017 November 2017	As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	August 2017	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	August 2017	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	August 2017	Bi-Annually
<b>National Nature Reserves</b> Natural England	August 2017	Bi-Annually
<b>National Parks</b> Natural England	August 2017	Bi-Annually
<b>Nitrate Vulnerable Zones</b> Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2017	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	August 2017	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	August 2017	Bi-Annually
<b>Special Protection Areas</b> Natural England	August 2017	Bi-Annually

A selection of organisations who provide data within this report

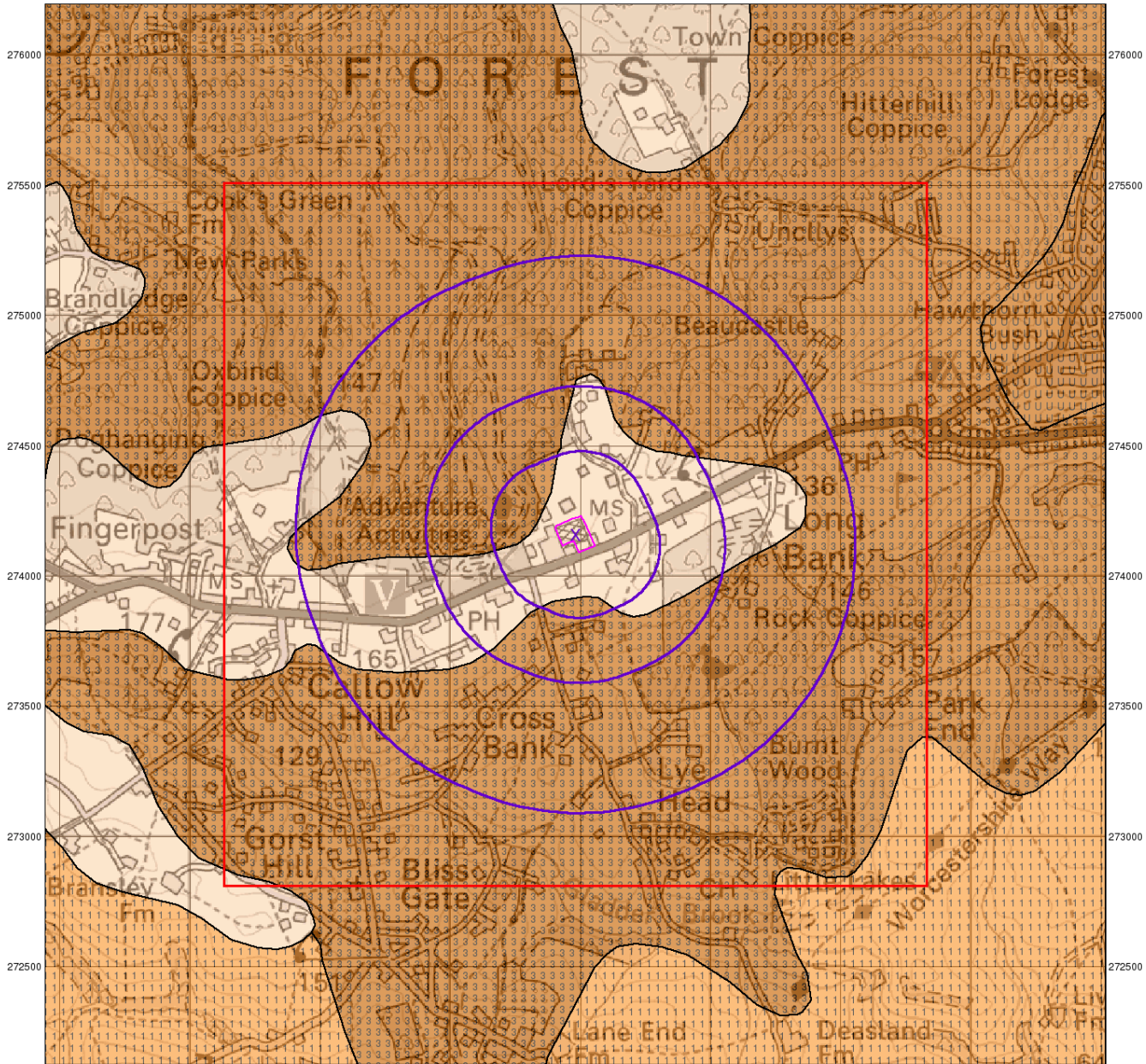
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham 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	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Wyre Forest District Council - Environmental Health Department</b> Wyre Forest House, Finepoint Way, Kidderminster, Worcester, DY11 7WF	Telephone: 01905 822799 Fax: 01562 732759 Email: wrsenquiries@worcesterservices.gov.uk Website: www.wyreforestdc.gov.uk
4	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	<b>Worcestershire County Council</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 01905 763763 Fax: 01905 763000 Website: www.worcestershire.gov.uk
6	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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.



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## Groundwater Vulnerability

**General**

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

**Agency and Hydrological**

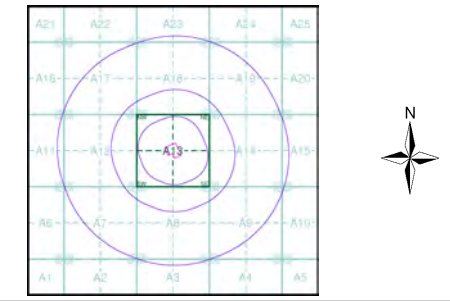
**Geological Classes**

- Major Aquifer (Highly Permeable)
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Minor Aquifer (Variably Permeable)
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Non Aquifer (Negligibly Permeable)
- Water or Sea
- Drift Deposit

**Soil Classes**

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

### Site Sensitivity Context Map - Slice A



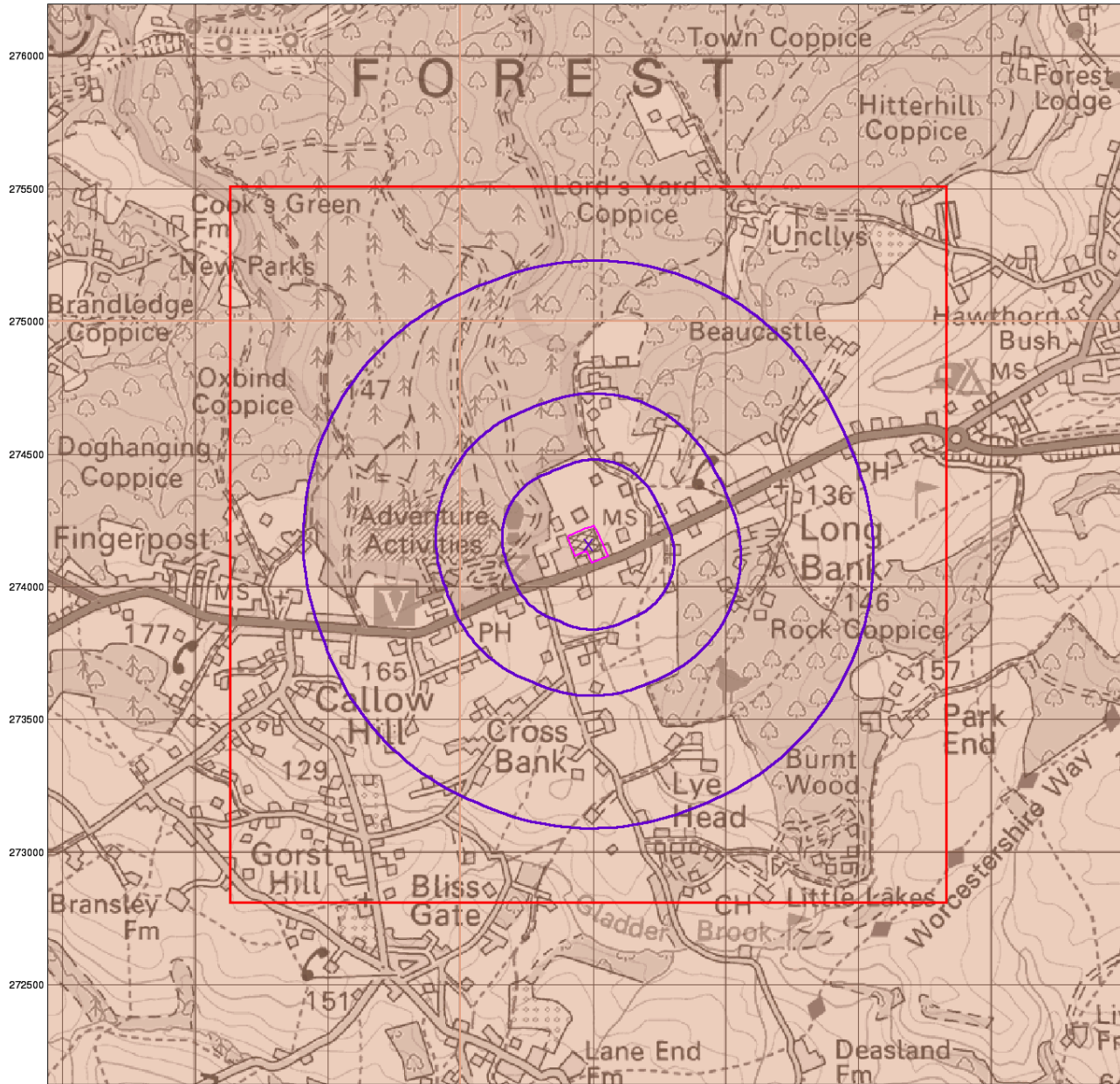
**Order Details**

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

**Site Details**

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

373500 374000 374500 375000 375500 376000 376500 377000 377500



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0 1 km

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## Bedrock Aquifer Designation

### General

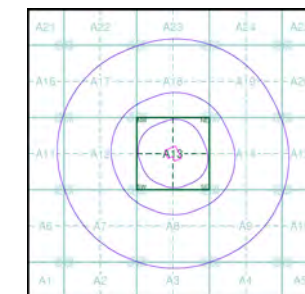
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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

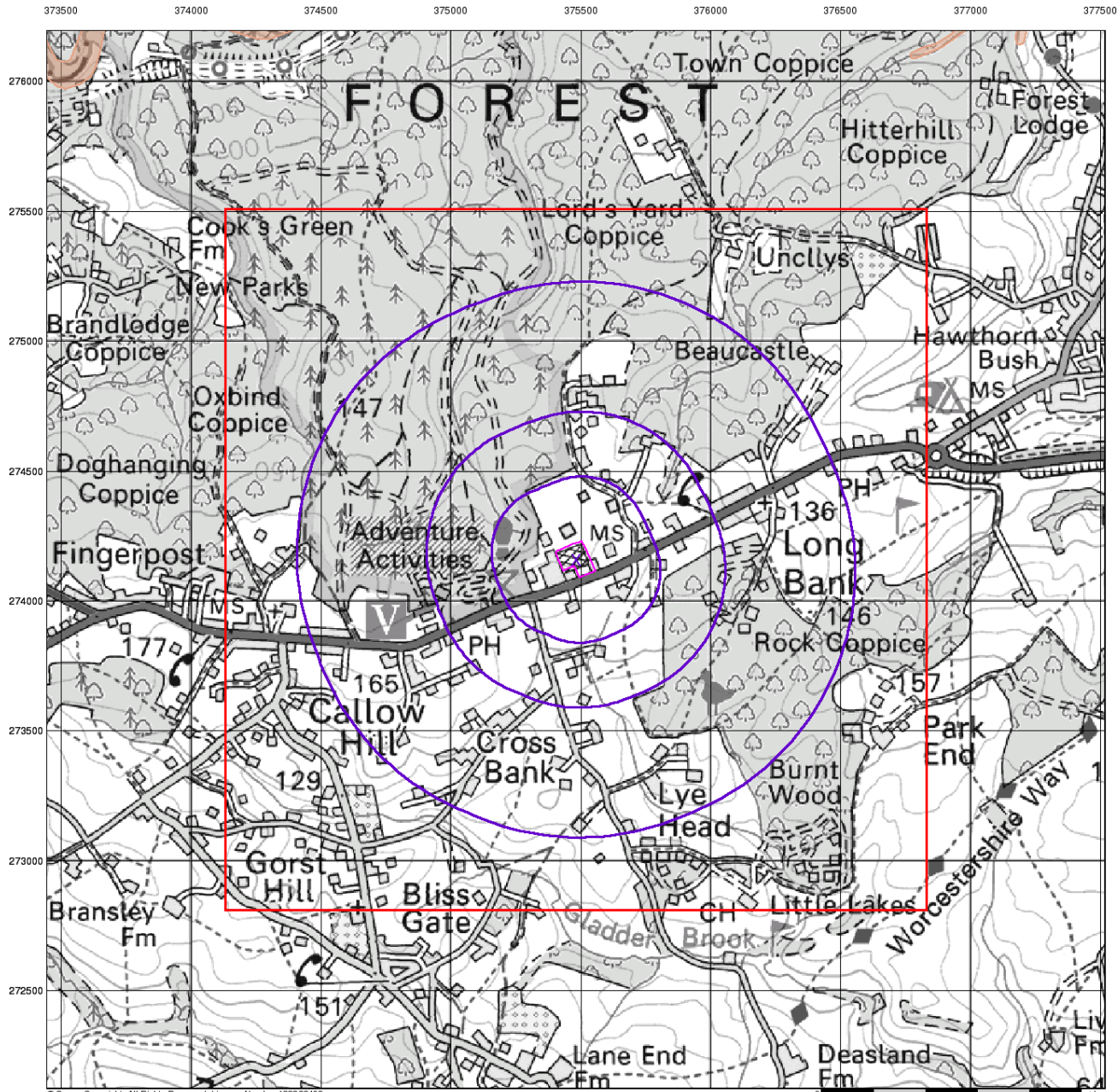
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 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

**Landmark**  
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 Fax: 0844 844 9951  
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## Superficial Aquifer Designation

### General

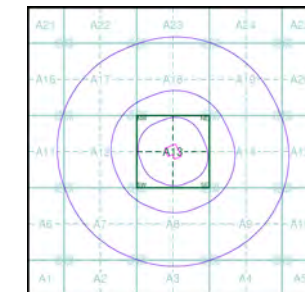
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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

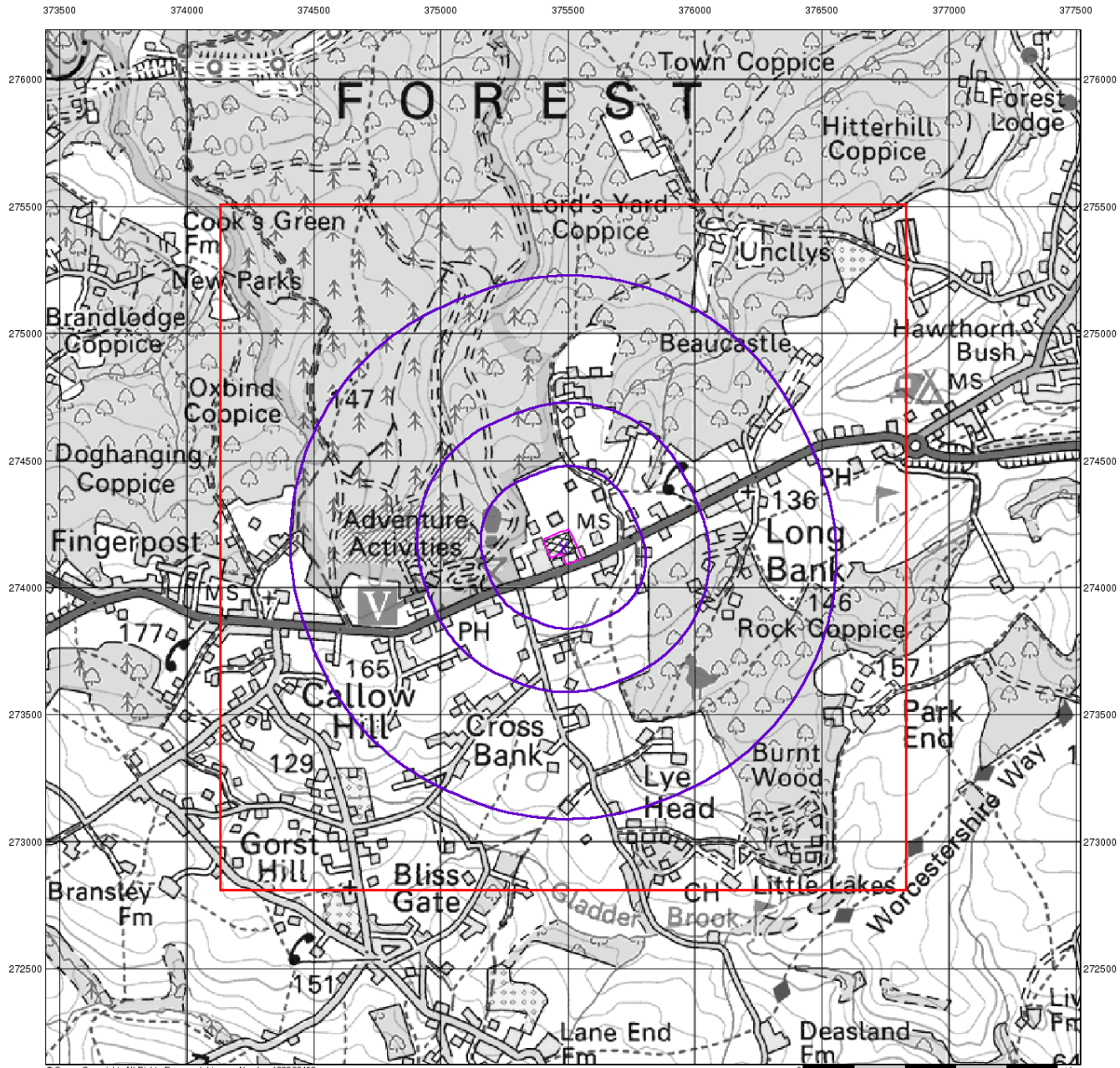
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 Customer Ref: 400-17-527  
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 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

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## Source Protection Zones

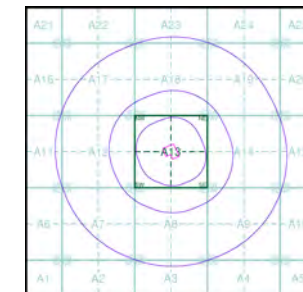
### General

- 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)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



### Order Details

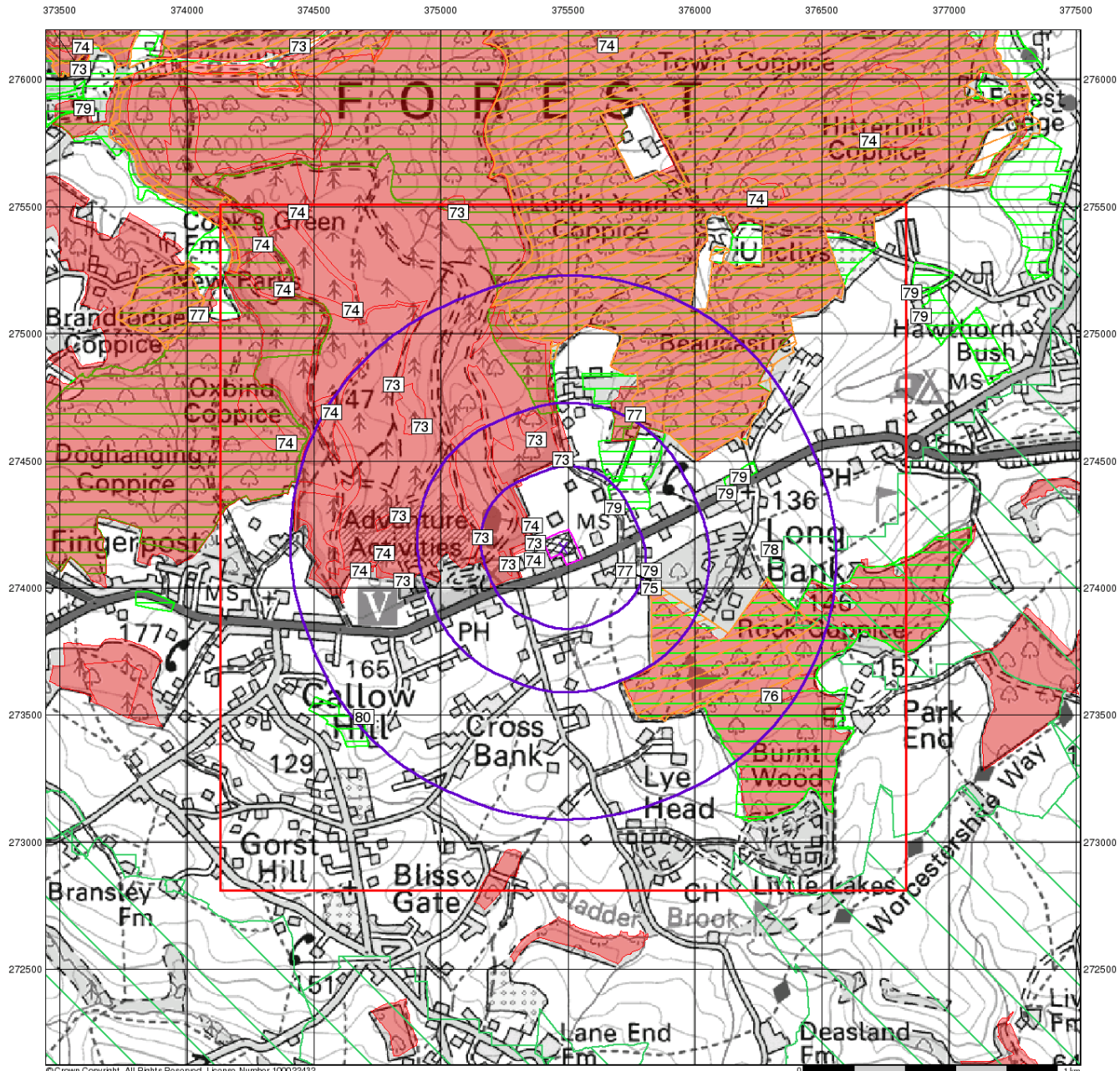
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 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

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## Sensitive Land Uses

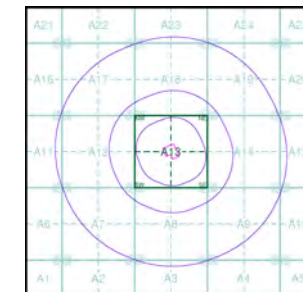
### General

- 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

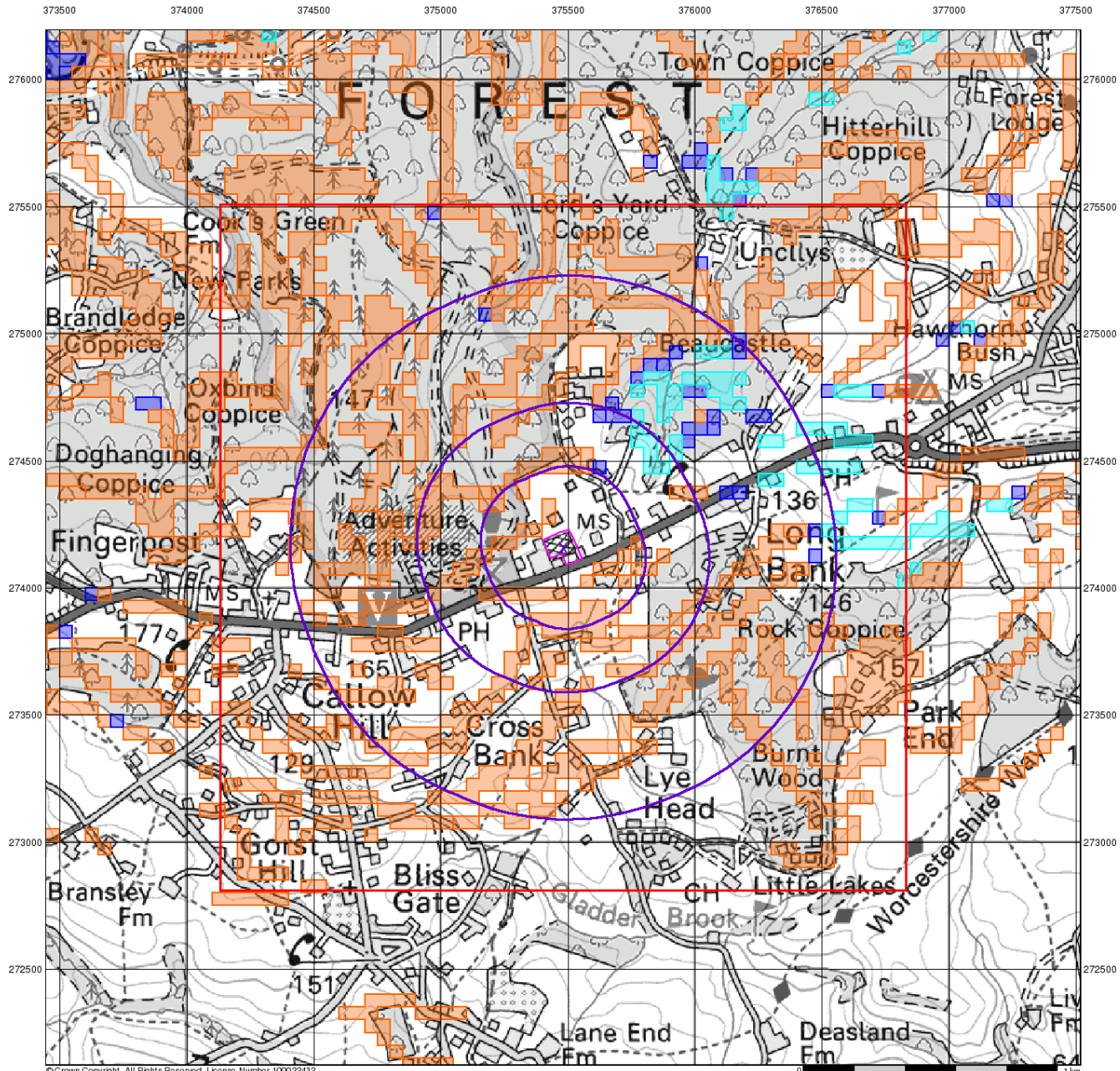


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



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# Envirocheck<sup>®</sup>

LANDMARK INFORMATION GROUP<sup>®</sup>

## BGS Flood GFS Data

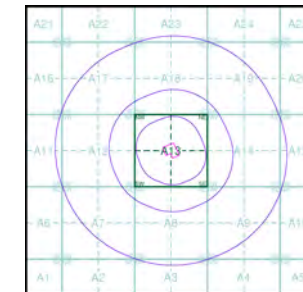
### General

- 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



### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

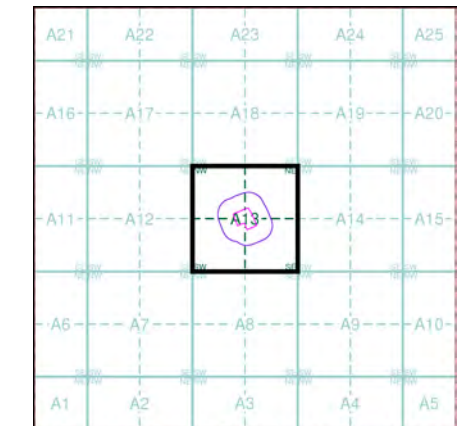
1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

**Landmark**  
 INFORMATION GROUP

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

- 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 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
- 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 (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
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

## Site Sensitivity Map - Segment A13

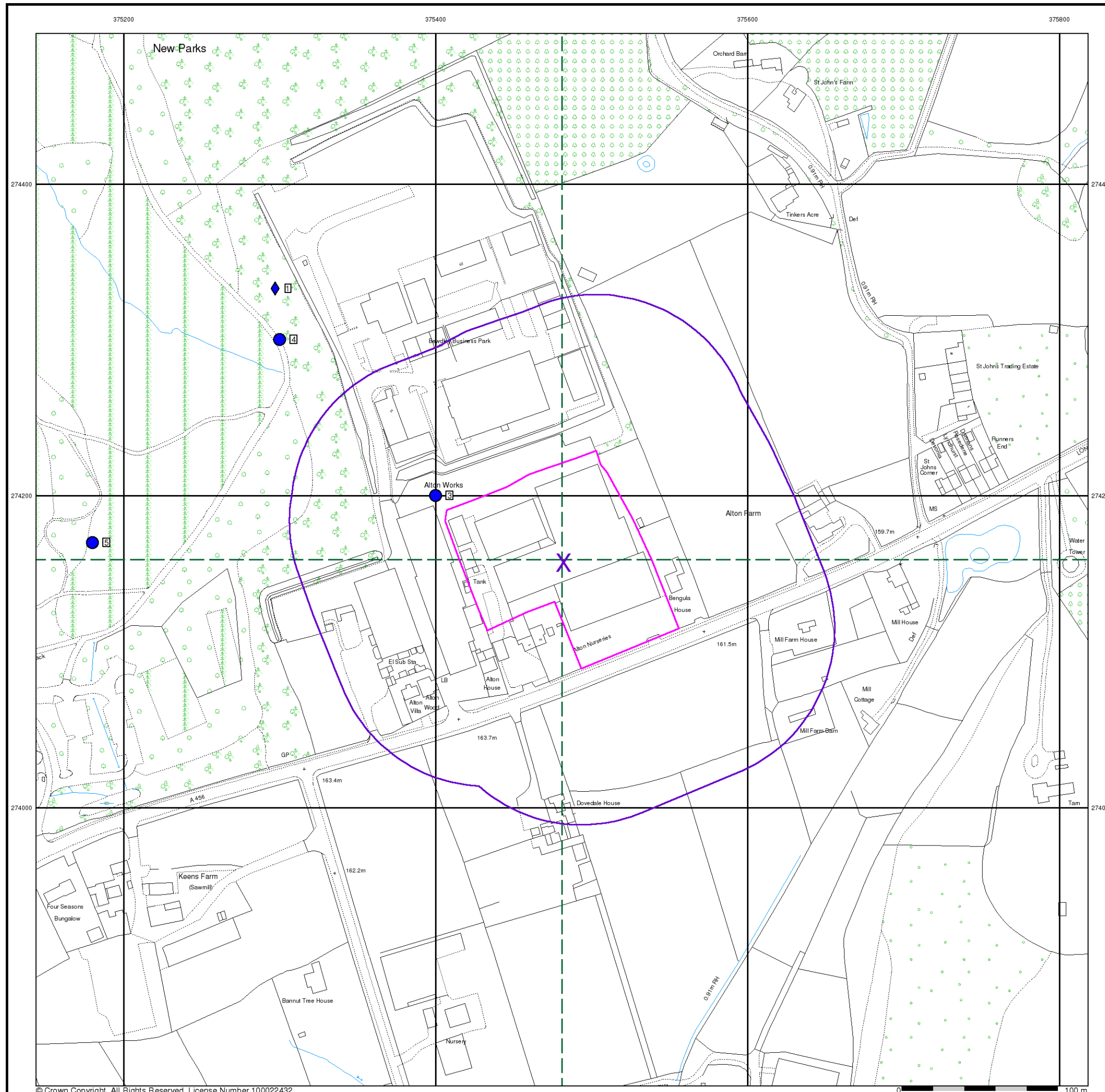


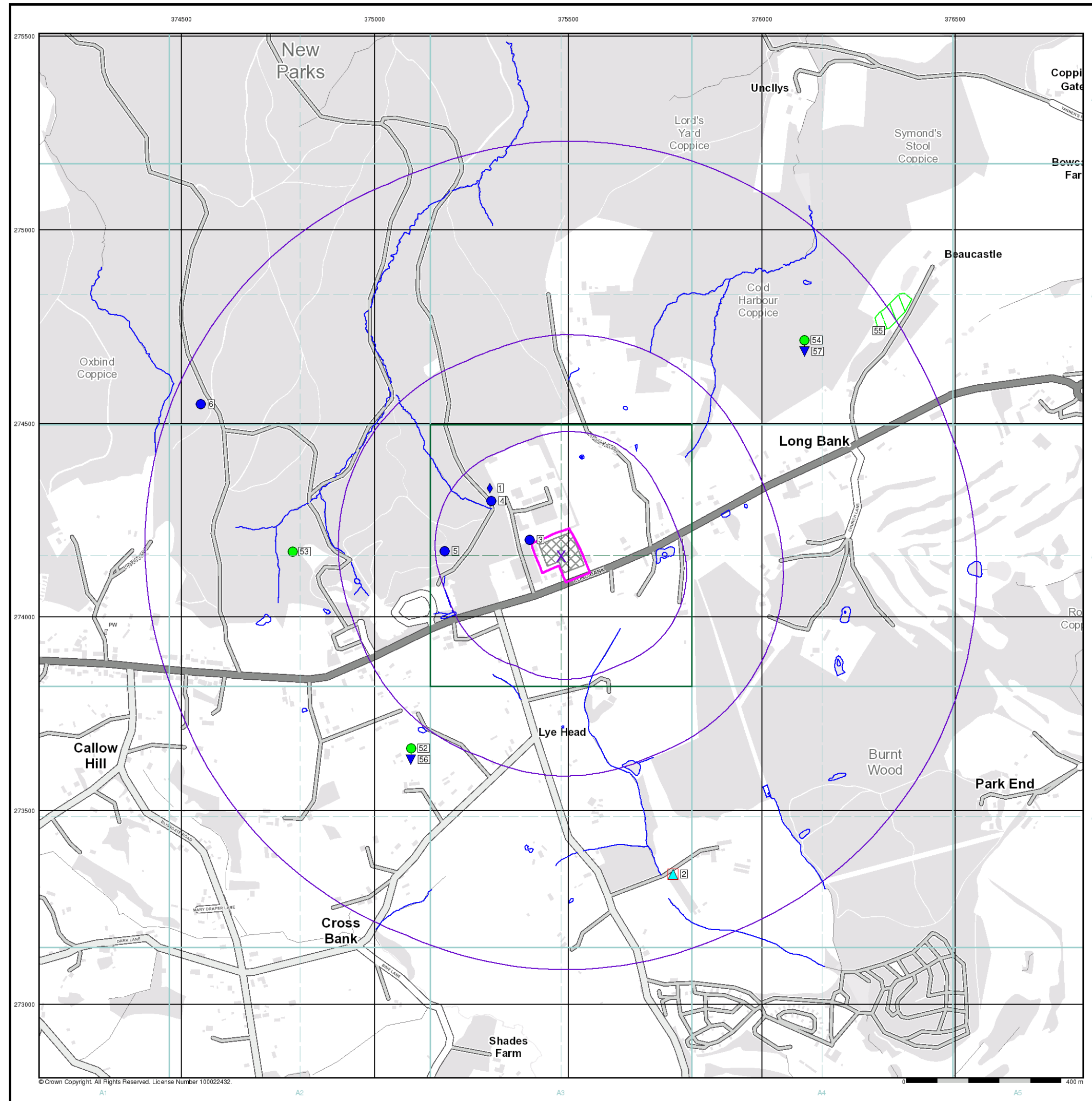
## Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Plot Buffer (m): 100

## Site Details

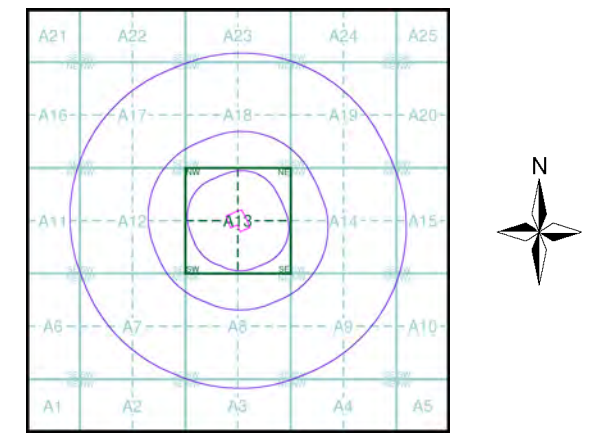
1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL





- |                                |                                                        |                                                             |                                                  |                                                              |
|--------------------------------|--------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------|
| <b>General</b>                 | Specified Site                                         | Specified Buffer(s)                                         | Bearing Reference Point                          | Map ID                                                       |
|                                | Several of Type at Location                            |                                                             |                                                  |                                                              |
| <b>Agency and Hydrological</b> | Contaminated Land Register Entry or Notice (Location)  | Discharge Consent                                           | Enforcement or Prohibition Notice                | Integrated Pollution Control                                 |
|                                | Contaminated Land Register Entry or Notice             | 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                            |                                                             |                                                  |                                                              |
| <b>Hazardous Substances</b>    | COMAH Site                                             | Explosive Site                                              | NIHHS Site                                       | Planning Hazardous Substance Consent                         |
|                                | Planning Hazardous Substance Enforcement               |                                                             |                                                  |                                                              |
| <b>Geological</b>              | BGS Recorded Mineral Site                              |                                                             |                                                  |                                                              |
| <b>Waste</b>                   | 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 (Water)                            |
|                                | Potentially Infilled Land (Water)                      | Potentially Infilled Land (Water)                           | Potentially Infilled Land (Water)                | Registered Landfill Site                                     |
|                                | 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



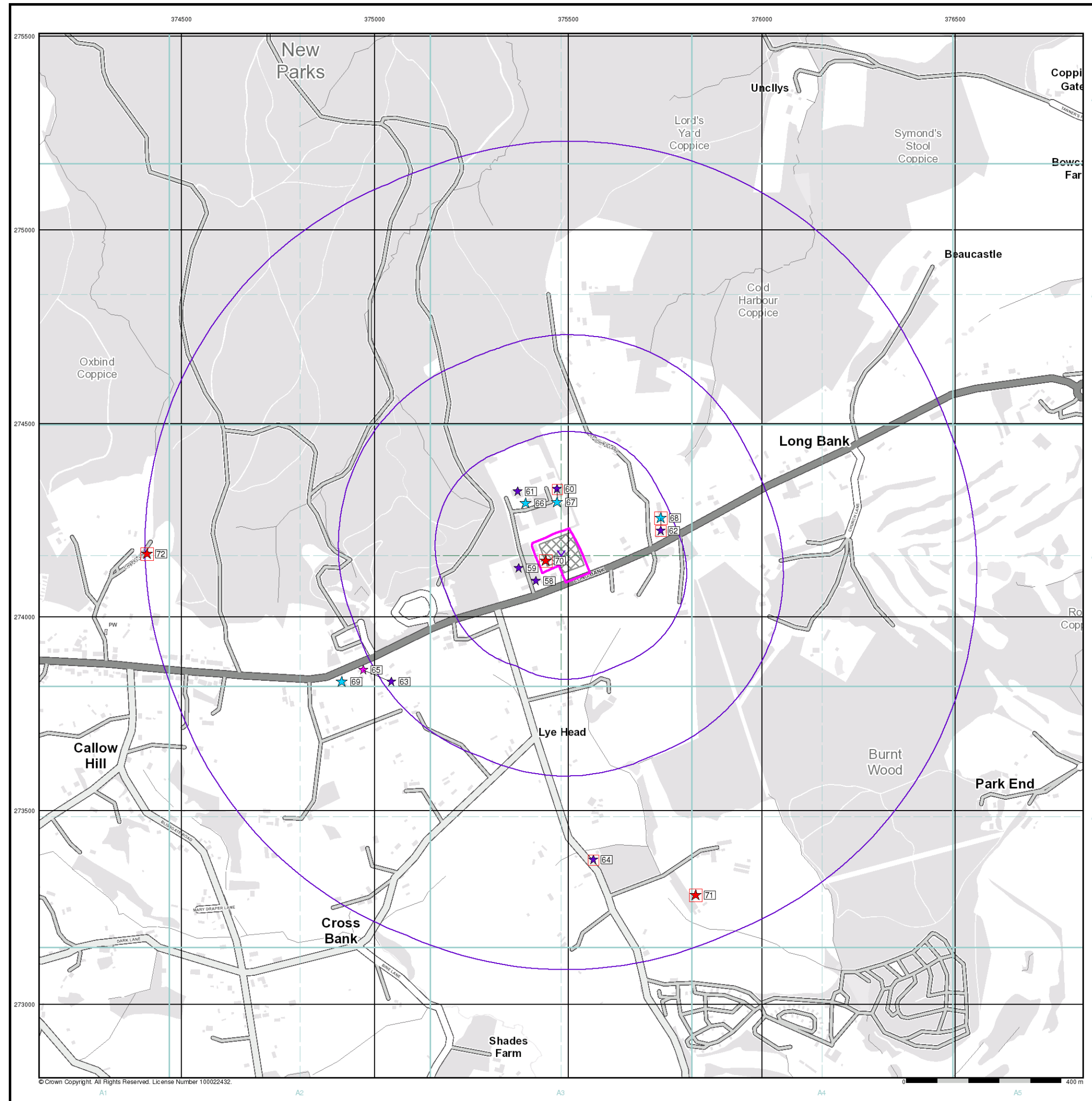
**Order Details**

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

**Site Details**






1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL














## Industrial Land Use Map

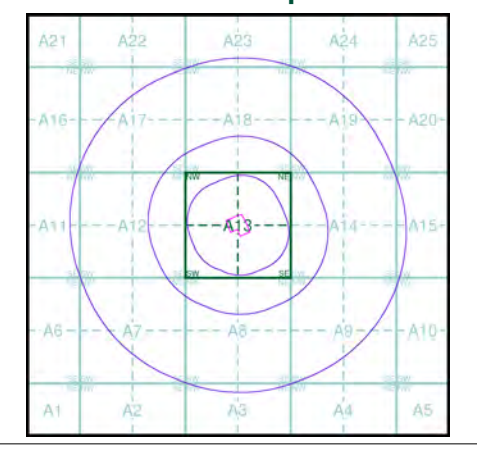
### General

-  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

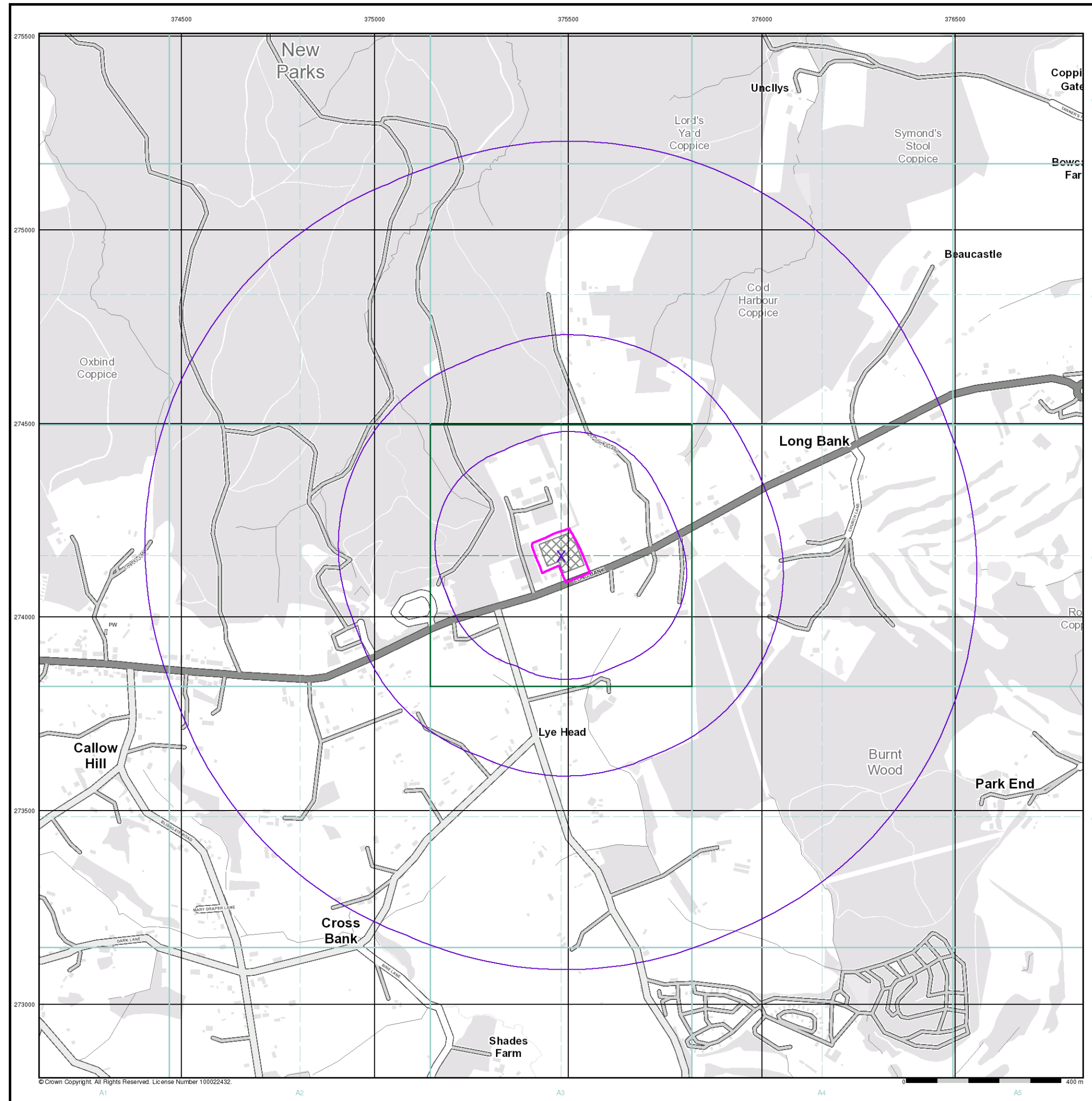


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



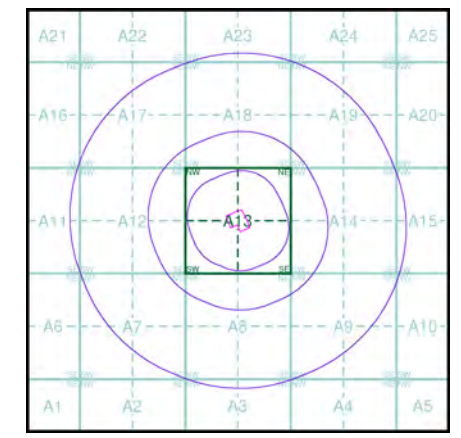
### General

- 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

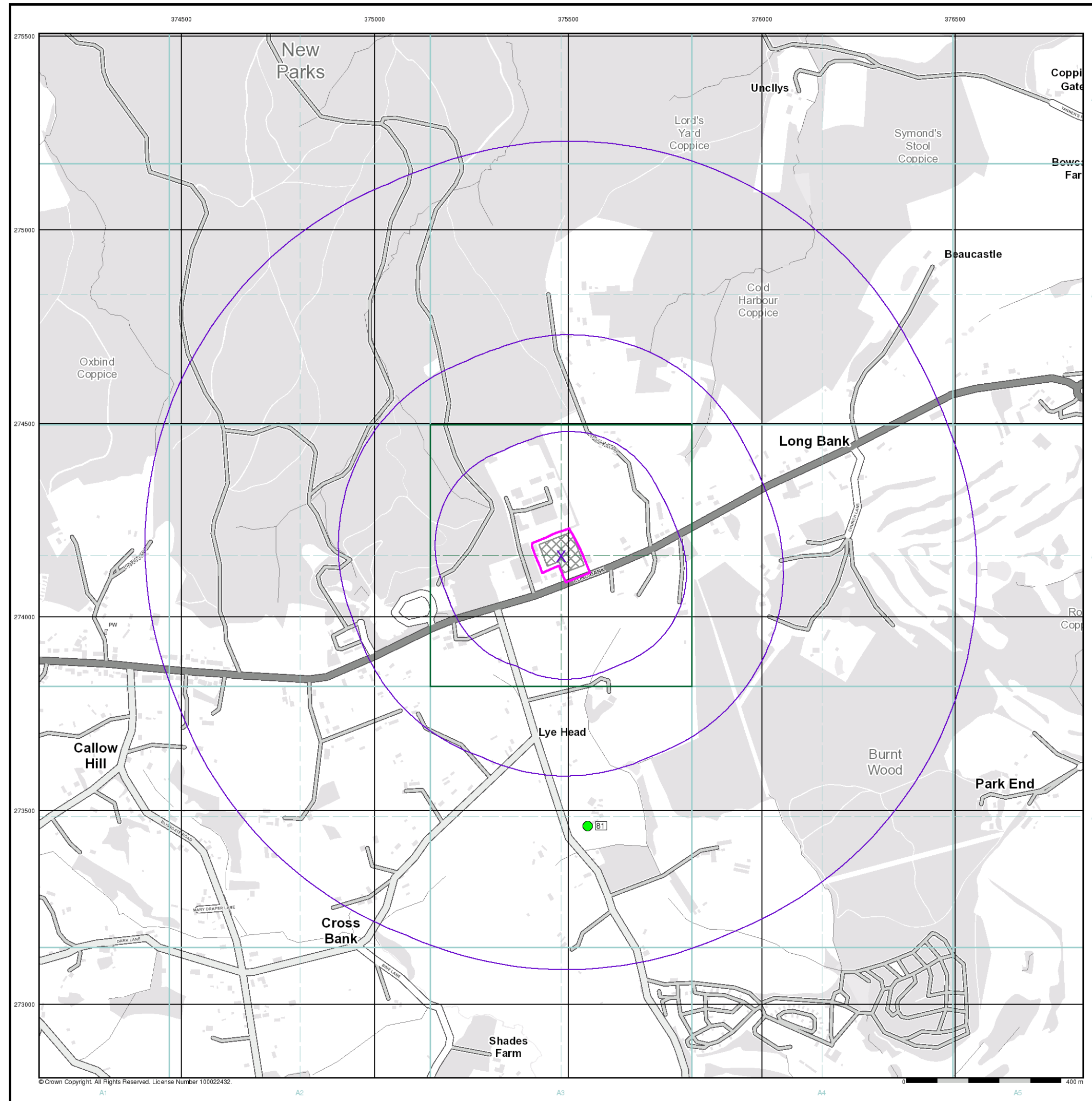


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



### General

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

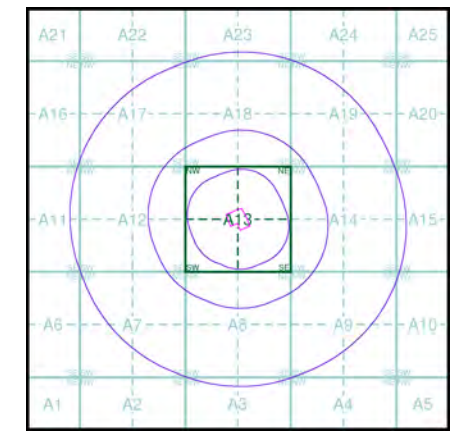
### Agency and Hydrological (Boreholes)

- 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](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

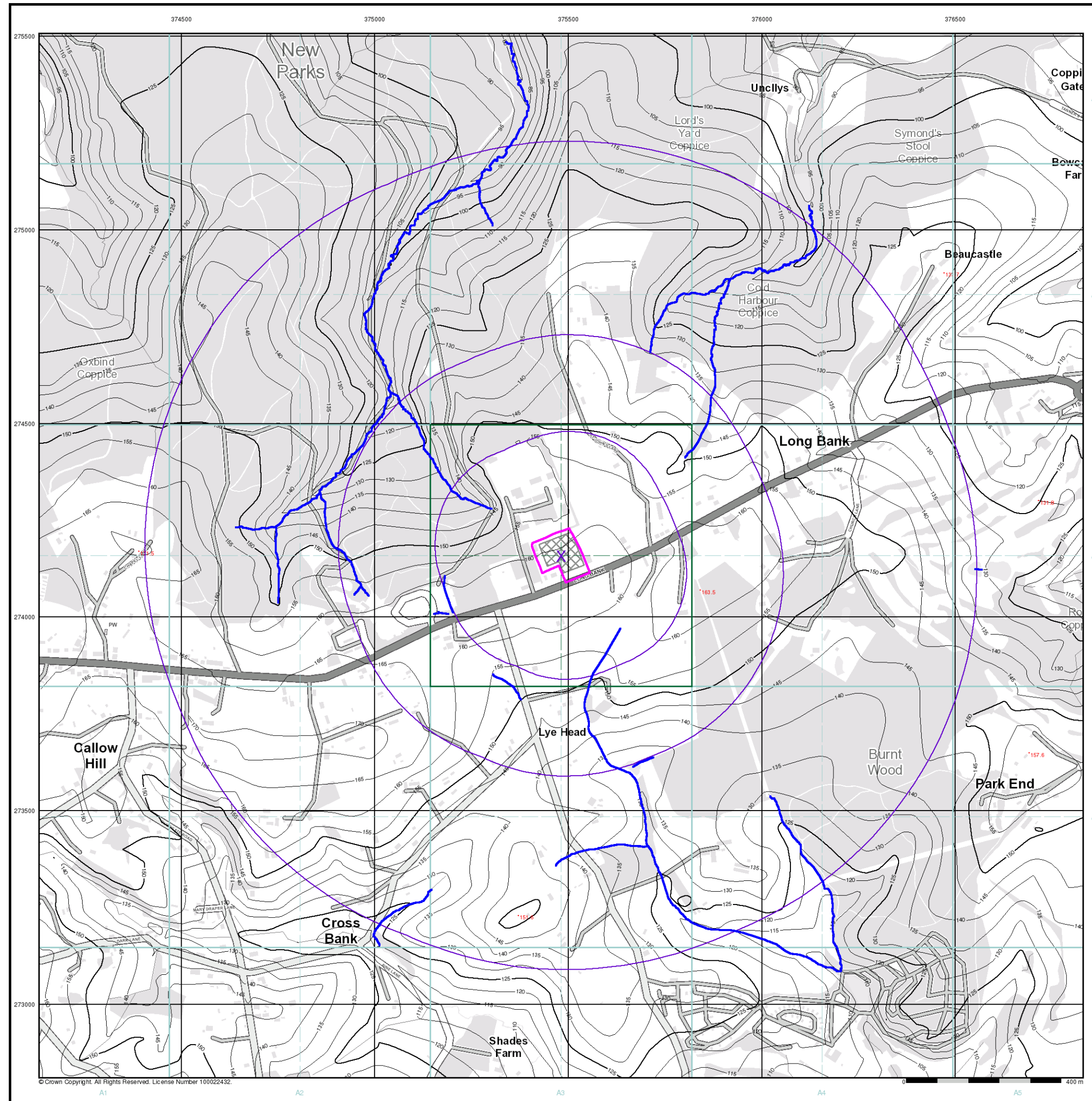


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

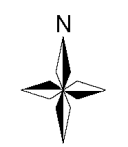
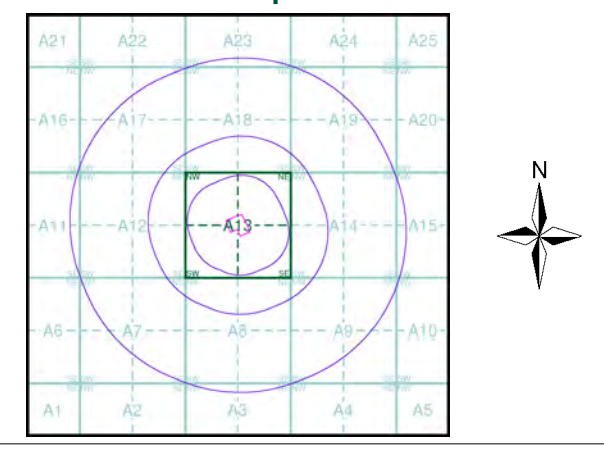


- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point

- OS Water Network Data**
- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

- Contours (height in meters)**
- Standard Contour 105 MLW Mean Low Water
- Master Contour 100 MHW Mean High Water
- Spot Height \*167.3

**OS Water Network Map - Slice A**






**Order Details**

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

**Site Details**

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

### General

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

### Risk of Flooding from Surface Water

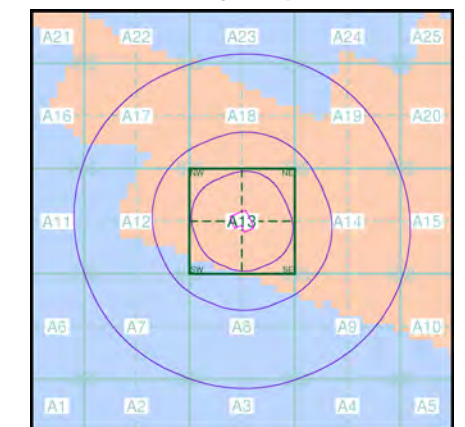
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

### Suitability

See the suitability map below

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

### EANRW Suitability Map - Slice A

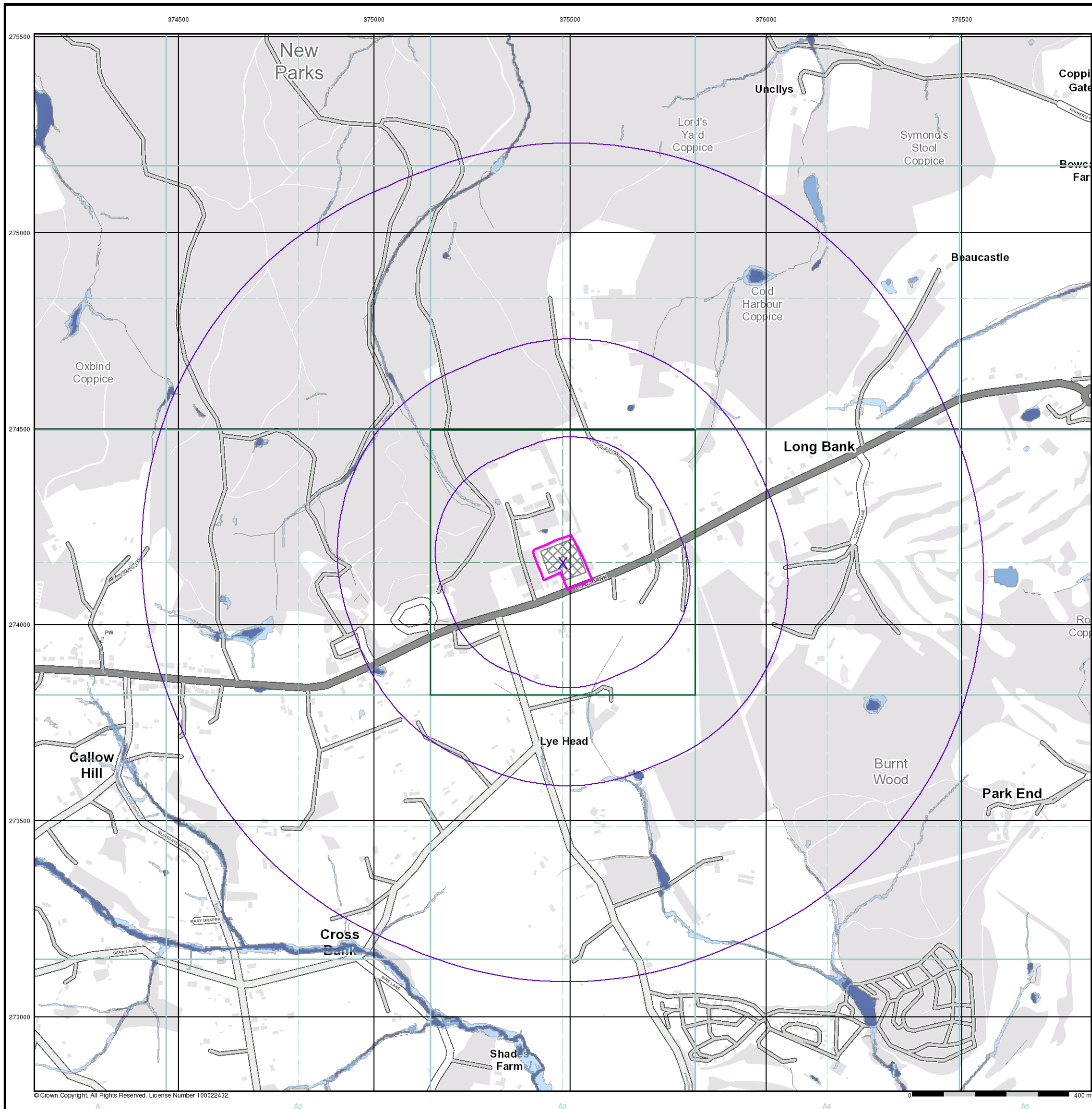


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



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**APPENDIX II**  
**HISTORICAL MAP EXTRACTS**

---

# Historical Mapping Legends

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

**Quarry**   **Gravel Pit**   **Sand Pit**  
**Clay Pit**   **Shingle**   **Refuse Heap**  
**Sloping Masonry**   **Flat Rock**  
**Marsh**   **Reeds**   **Osiers**  
**Rough Pasture**   **Furze**   **Wood**  
**Mixed Wood**   **Brushwood**   **Orchard**  
**Fir**   **Ford**   **Stepping Stones**  
**Ferry**   **Waterfall**   **Lock**  
**Trig. Station**   **Altitude at Trig. Station**  
**Bench Mark**   **Surface Level**  
**Arrow denotes flow of water**   **Antiquities (site of)**  
**Cutting**   **Embankment**  
**Railway crossing Road**   **Level Crossing**   **Road crossing Railway**  
**Railway crossing River or Canal**   **Road over single stream**   **Road over River or Canal**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Administrative County & Civil Parish Boundary**  
**County Borough Boundary (England)**  
**County Borough Boundary (Scotland)**  
**Boundary Post or Stone**   **Police Call Box**  
**B.R.**   **Bridle Road**   **P**   **Pump**  
**E.P.**   **Electricity Pylon**   **S.P.**   **Signal Post**  
**F.B.**   **Foot Bridge**   **Sl**   **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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**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**  
**Ei 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**   **Wt Pt, Wr T**   **Water Point, Water Tap**  
**MS**   **Mile Stone**   **W**   **Well**  
**NTL**   **Normal Tidal Limit**   **Wd Pp**   **Wind Pump**

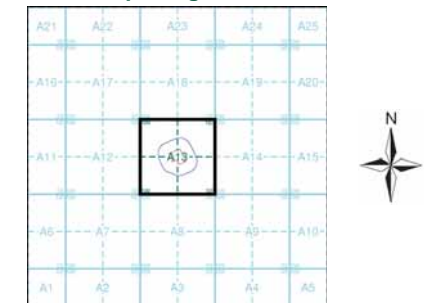
## Large-Scale National Grid Data 1:2,500 and 1:1,250

**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**B.M. 23160n**   **Bench Mark**   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**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**  
**Ei Gen Sta**   **Electricity Generating Station**   **Sewage Ppg Sta**   **Sewage Pumping Station**  
**Ei P**   **Electricity Pole, Pillar**   **SB, S Br**   **Signal Box or Bridge**  
**Ei 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 Governor**   **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**

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Worcestershire	1:2,500	1884	2
Worcestershire	1:2,500	1902 - 1903	3
Worcestershire	1:2,500	1927	4
Ordnance Survey Plan	1:2,500	1972	5
Additional SIMs	1:2,500	1989	6
Large-Scale National Grid Data	1:2,500	1994	7
Historical Aerial Photography	1:2,500	1999	8

## Historical Map - Segment A13



## Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 100

## Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

# 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**, **County Borough Boundary (England)**, **Co. Boro. Bdy.**, **County Burgh Boundary (Scotland)**, **Co. Burgh Bdy.**, **Rural District Boundary**, **R.D. Bdy.**, **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**, **Glasshouse**, **Sloping Masonry**, **Pylon**, **Electricity Transmission Line**, **Pole**, **Cutting**, **Embankment**, **Standard Gauge Multiple Track**, **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**, **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)**, **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**

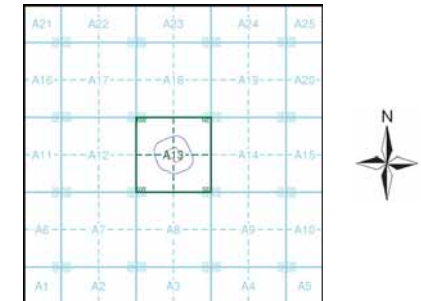
# Envirocheck®

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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Shropshire	1:10,560	1883	2
Worcestershire	1:10,560	1884	3
Worcestershire	1:10,560	1904	4
Shropshire	1:10,560	1904	5
Worcestershire	1:10,560	1929	6
Historical Aerial Photography	1:10,560	1948	7
Ordnance Survey Plan	1:10,000	1954 - 1955	8
Ordnance Survey Plan	1:10,000	1968	9
Ordnance Survey Plan	1:10,000	1970 - 1975	10
Ordnance Survey Plan	1:10,000	1974	11
Ordnance Survey Plan	1:10,000	1993	12
10K Raster Mapping	1:10,000	2000	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2017	15

## Historical Map - Slice A



## Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

## Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

**Landmark®**  
 INFORMATION GROUP

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



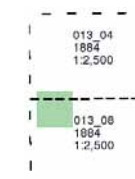
Worcestershire

Published 1884

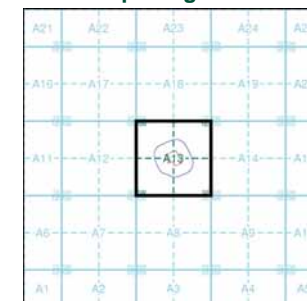
Source map scale - 1:2,500

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

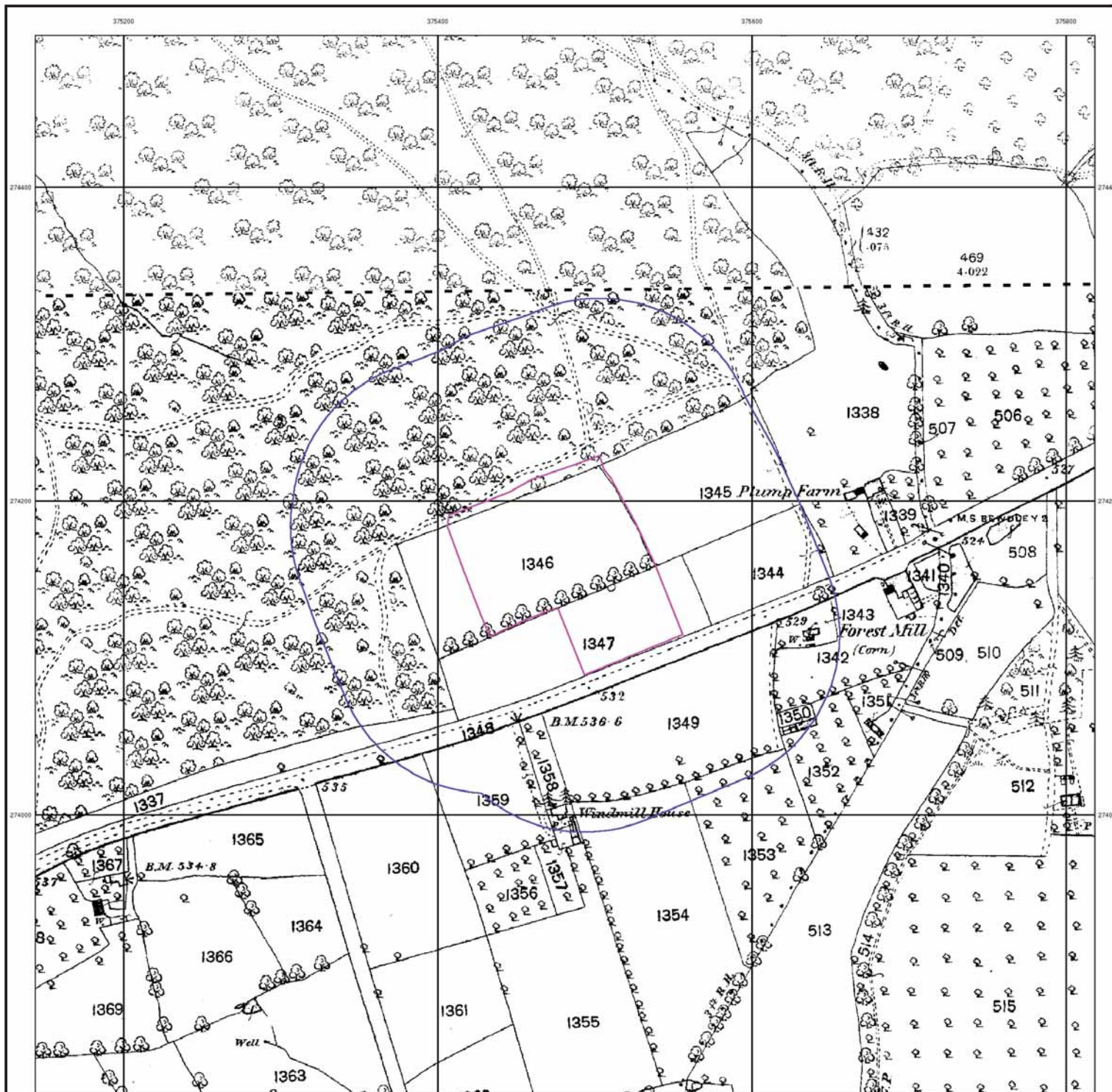


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Order Number: 152140647\_1\_1  
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### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



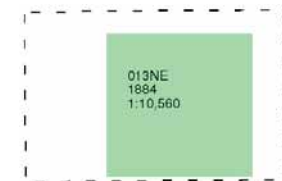
## Worcestershire

Published 1884

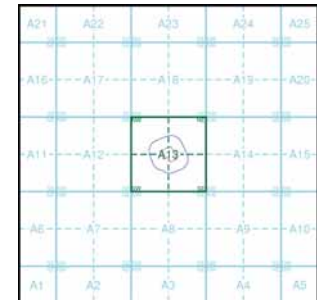
Source map scale - 1:10,560

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: 152140647\_1\_1  
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 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
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### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



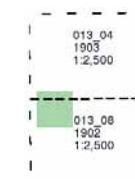
## Worcestershire

Published 1902 - 1903

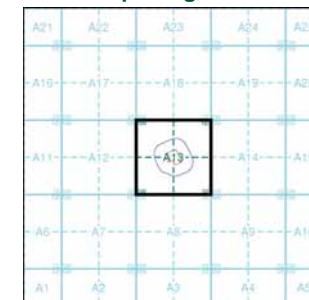
Source map scale - 1:2,500

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

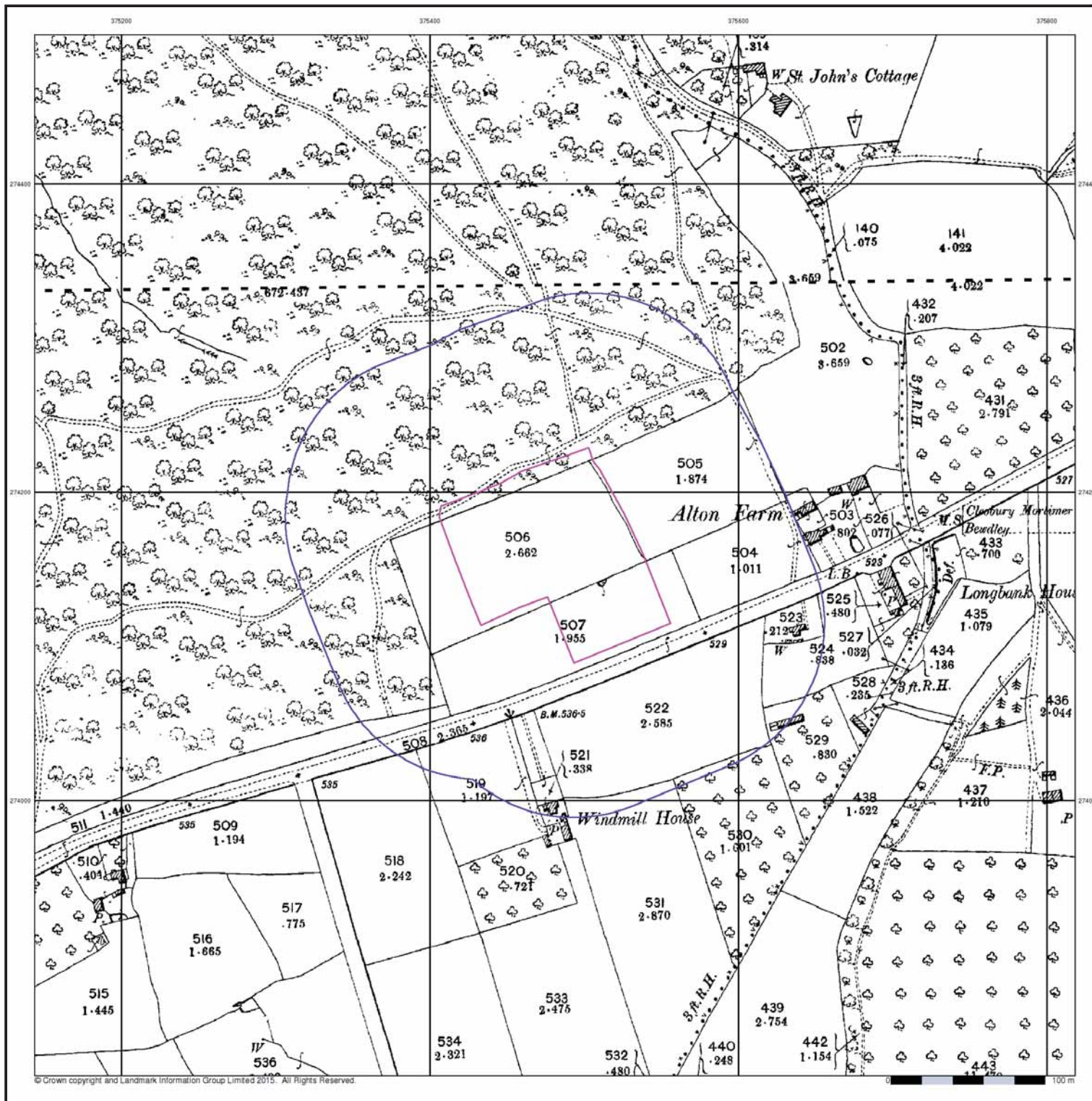


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 100

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



## Worcestershire

Published 1904

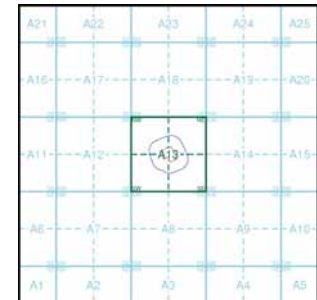
Source map scale - 1:10,560

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

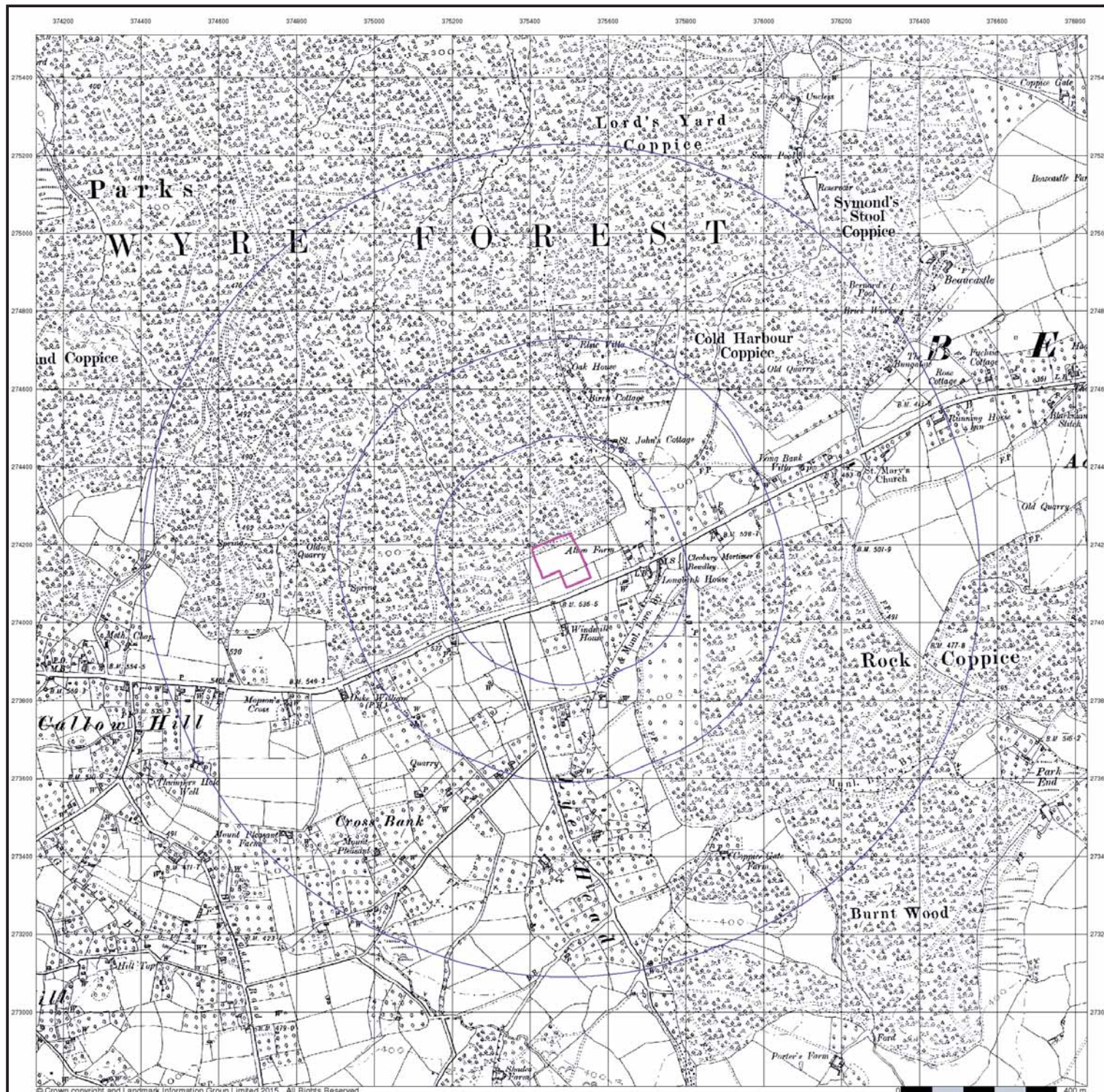


### Order Details

Order Number: 152140647\_1\_1  
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National Grid Reference: 375480, 274160  
Slice: A  
Site Area (Ha): 1.21  
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### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



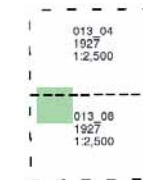
Worcestershire

Published 1927

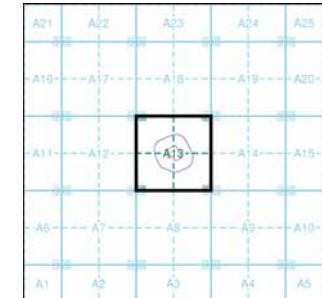
Source map scale - 1:2,500

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

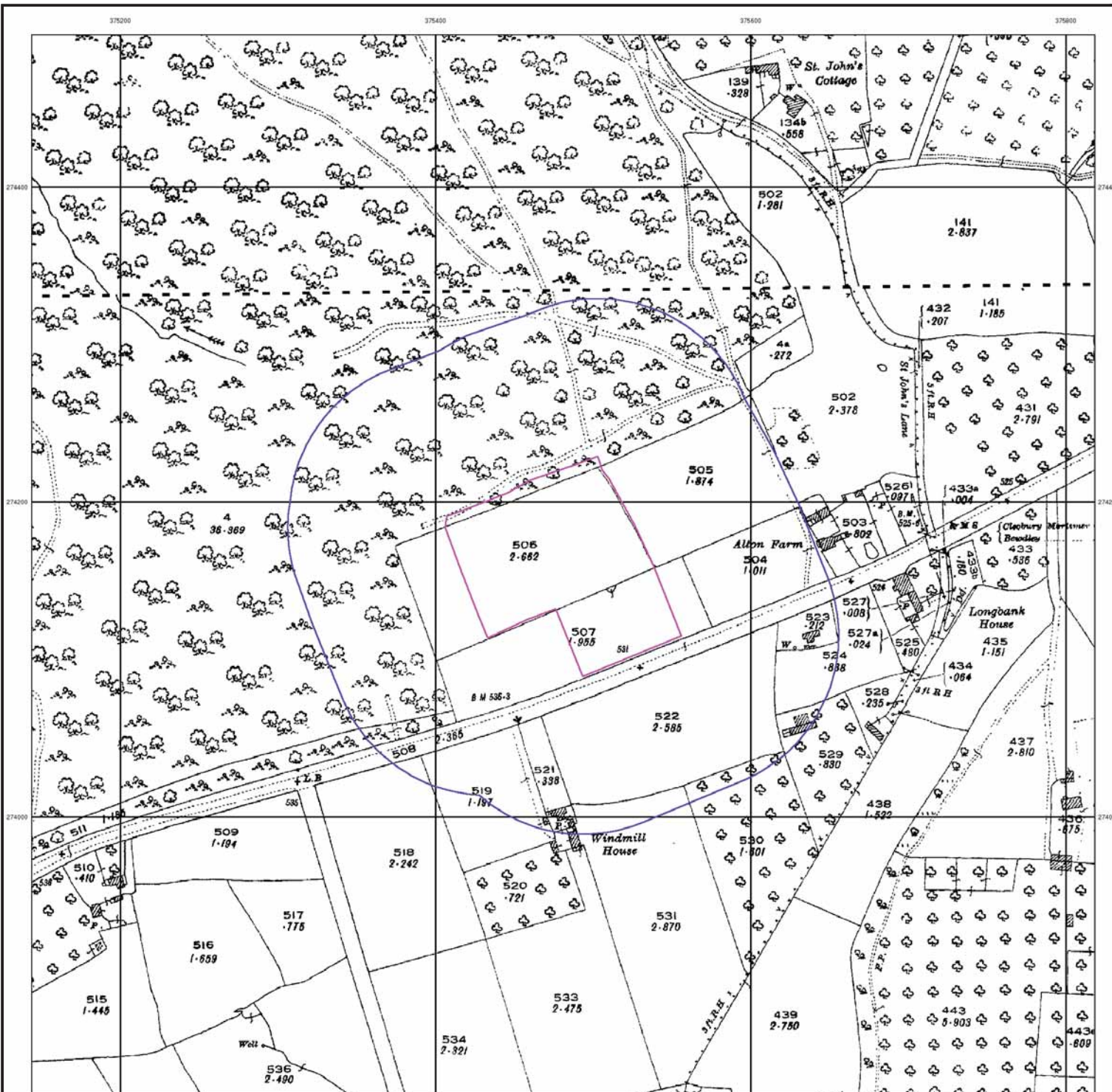


### Order Details

Order Number: 152140647\_1\_1  
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 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 100

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



## Worcestershire

Published 1929

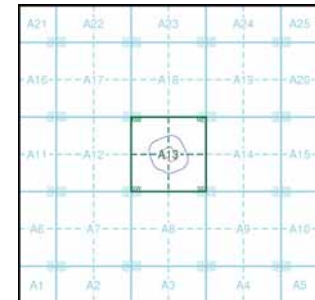
Source map scale - 1:10,560

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

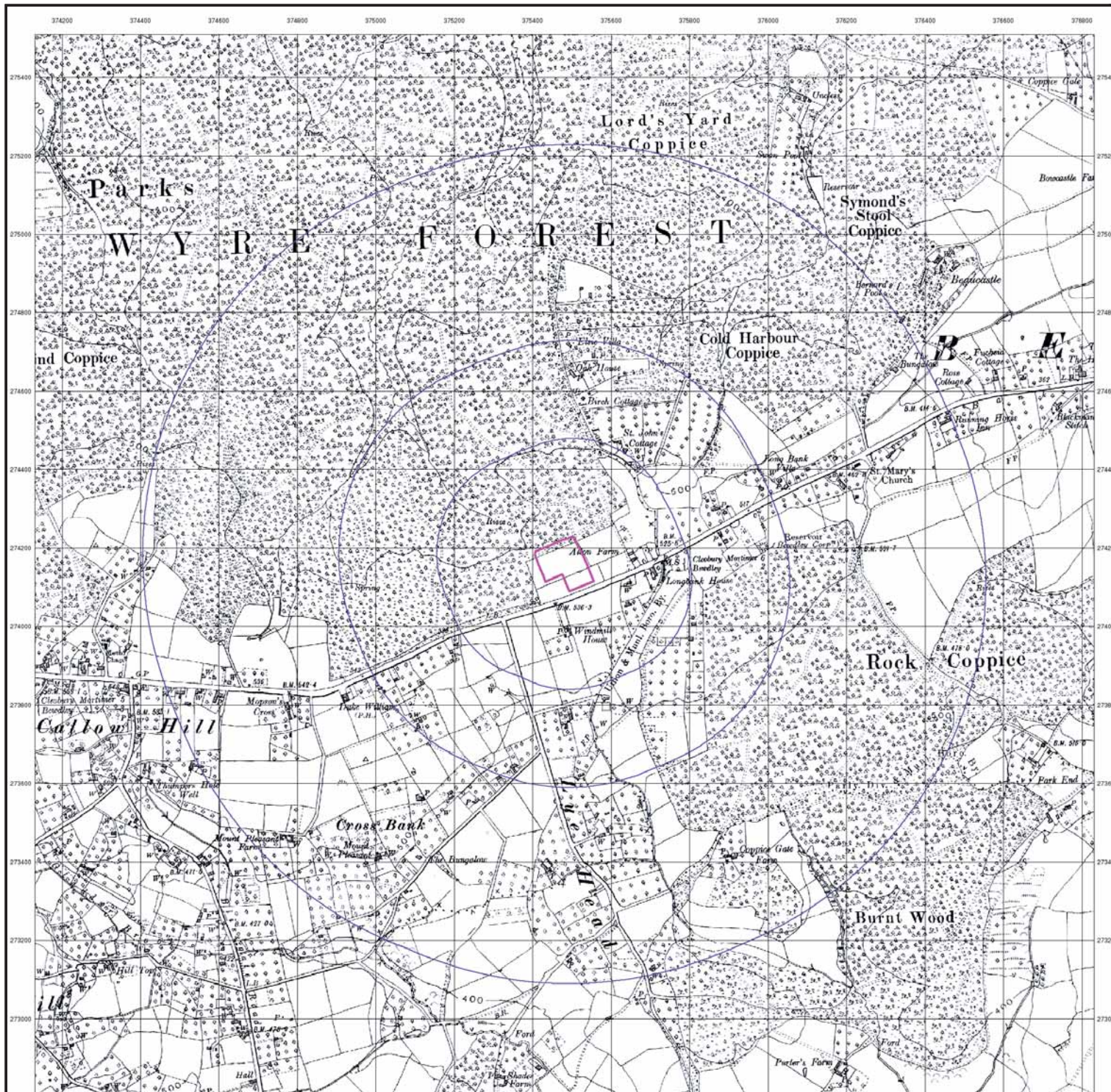


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Order Number: 152140647\_1\_1  
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 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



## Ordnance Survey Plan

Published 1954 - 1955

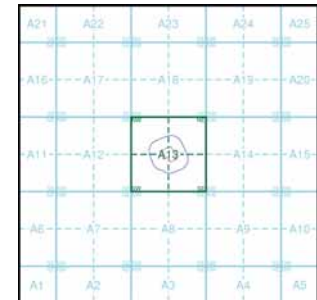
Source map scale - 1:10,000

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)

SO77NW	1954	1:10,560	SO77NE	1954	1:10,560
SO77SW	1954	1:10,560	SO77SE	1955	1:10,560

### Historical Map - Slice A

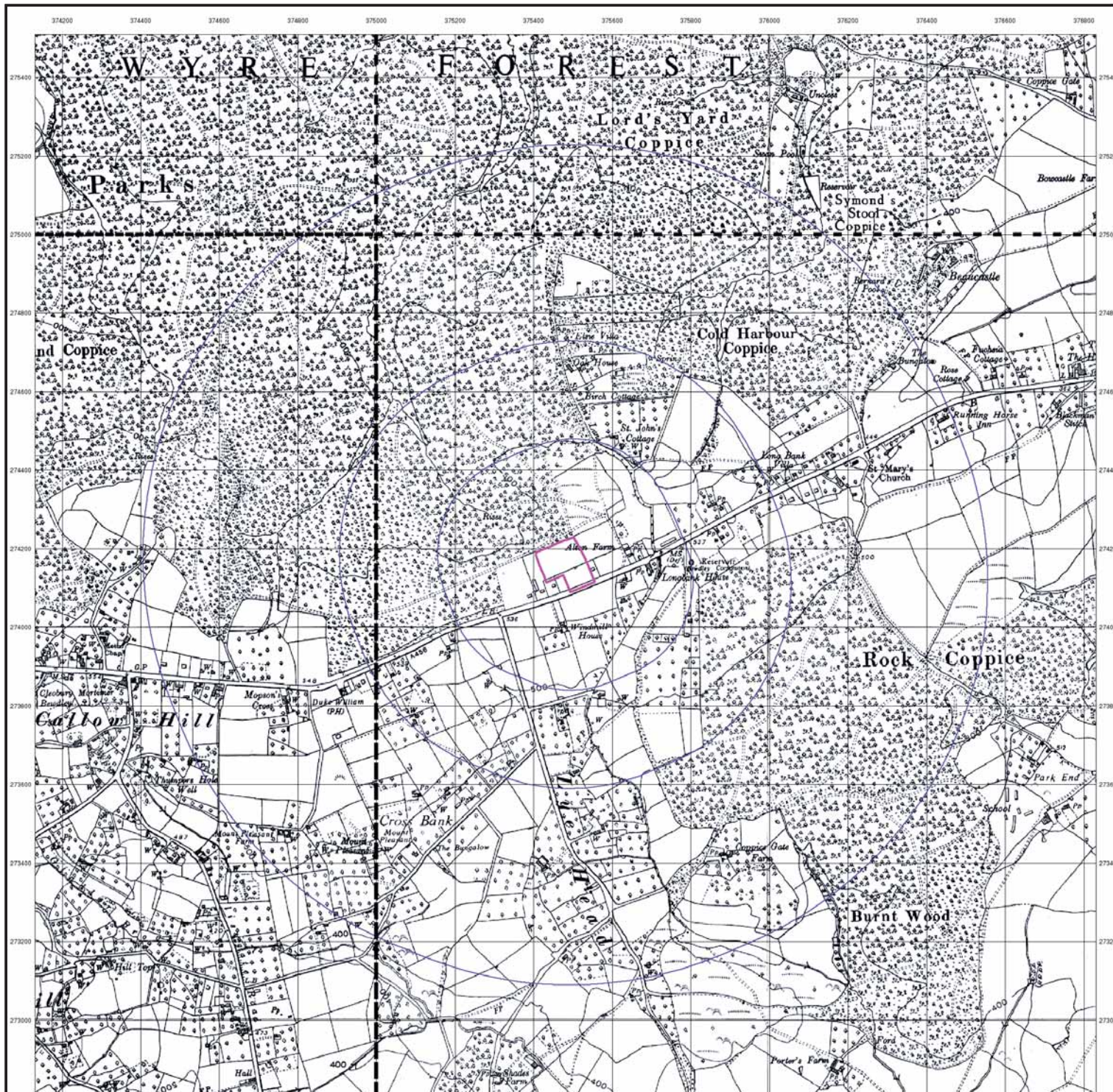


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Order Number: 152140647\_1\_1  
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 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 1000

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



## Ordnance Survey Plan

Published 1972

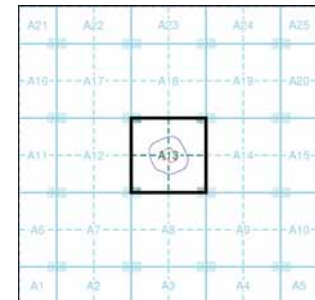
Source map scale - 1:2,500

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)

SO7574	1972	1:2,500
SO7573	1972	1:2,500

### Historical Map - Segment A13

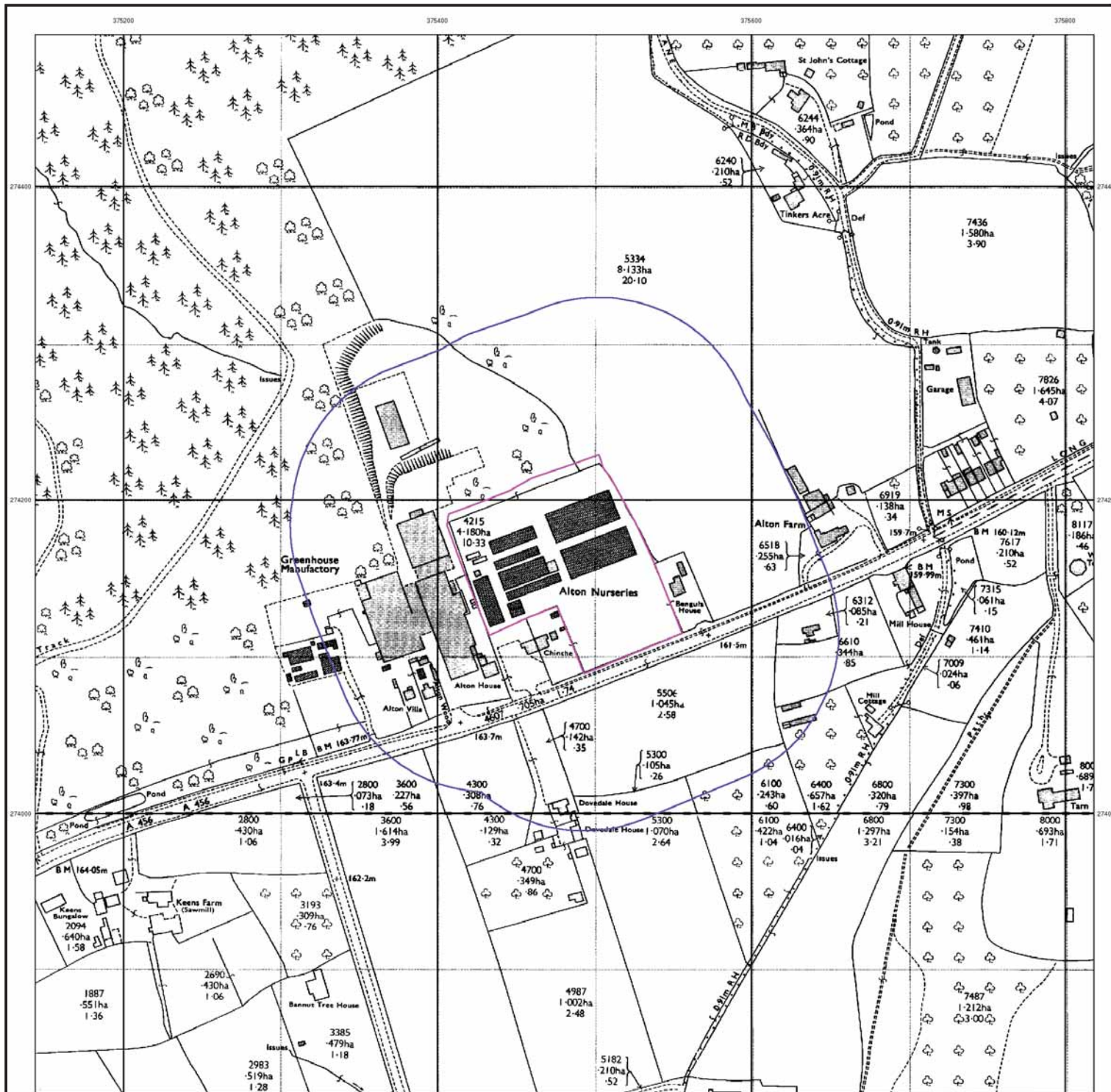


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### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL







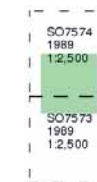
## Additional SIMs

Published 1989

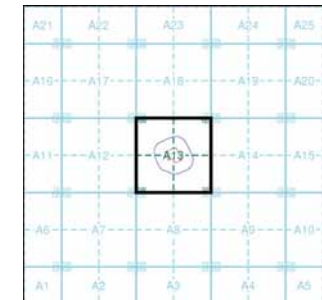
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

## Map Name(s) and Date(s)



## Historical Map - Segment A13

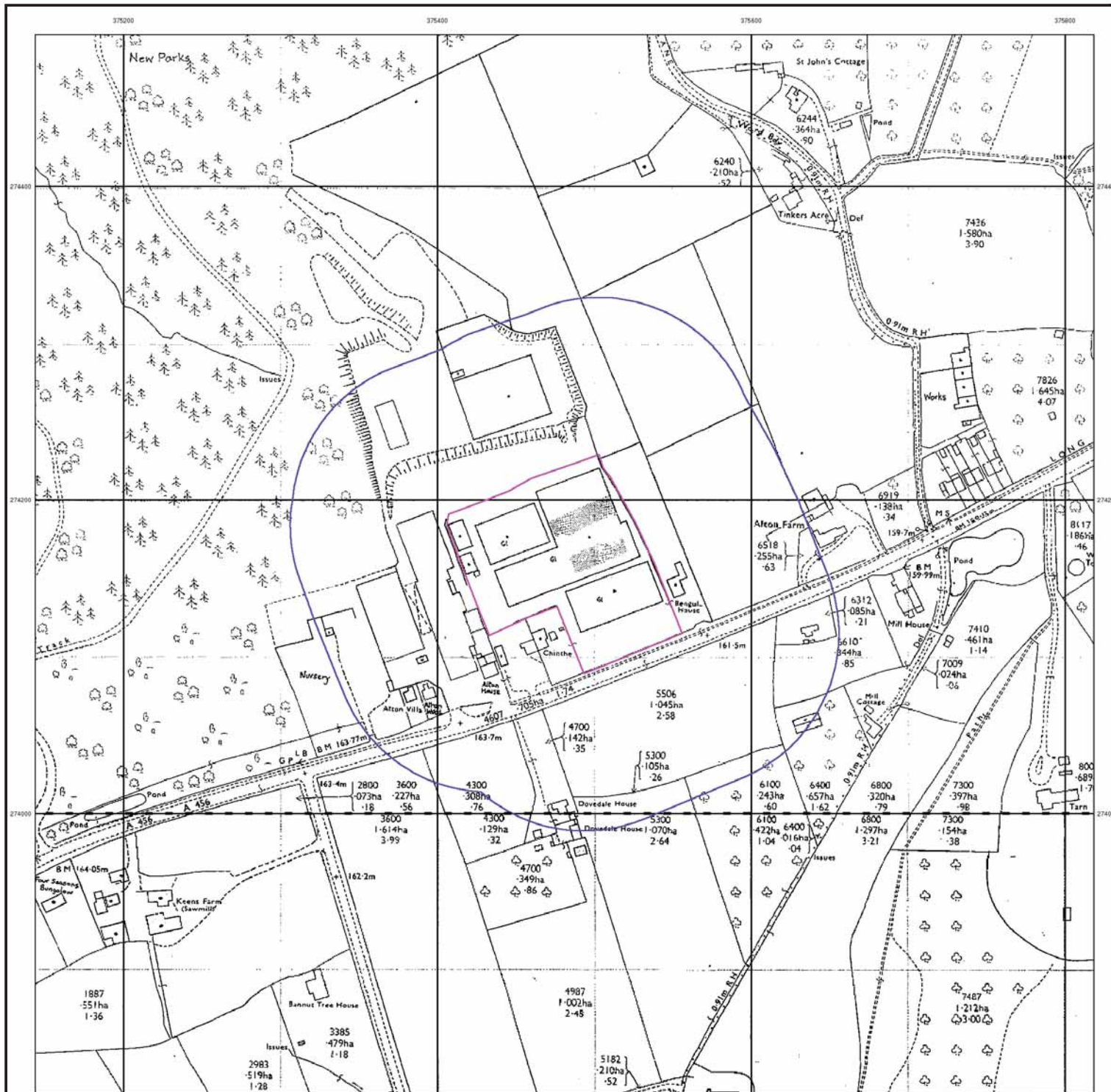


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Order Number: 152140647\_1\_1  
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 Search Buffer (m): 100

## Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL

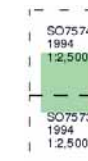


## Large-Scale National Grid Data Published 1994

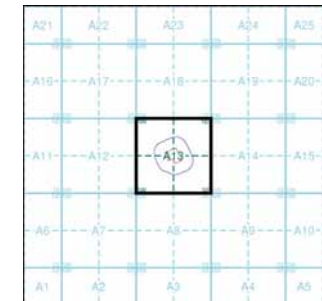
Source map scale - 1:2,500

'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

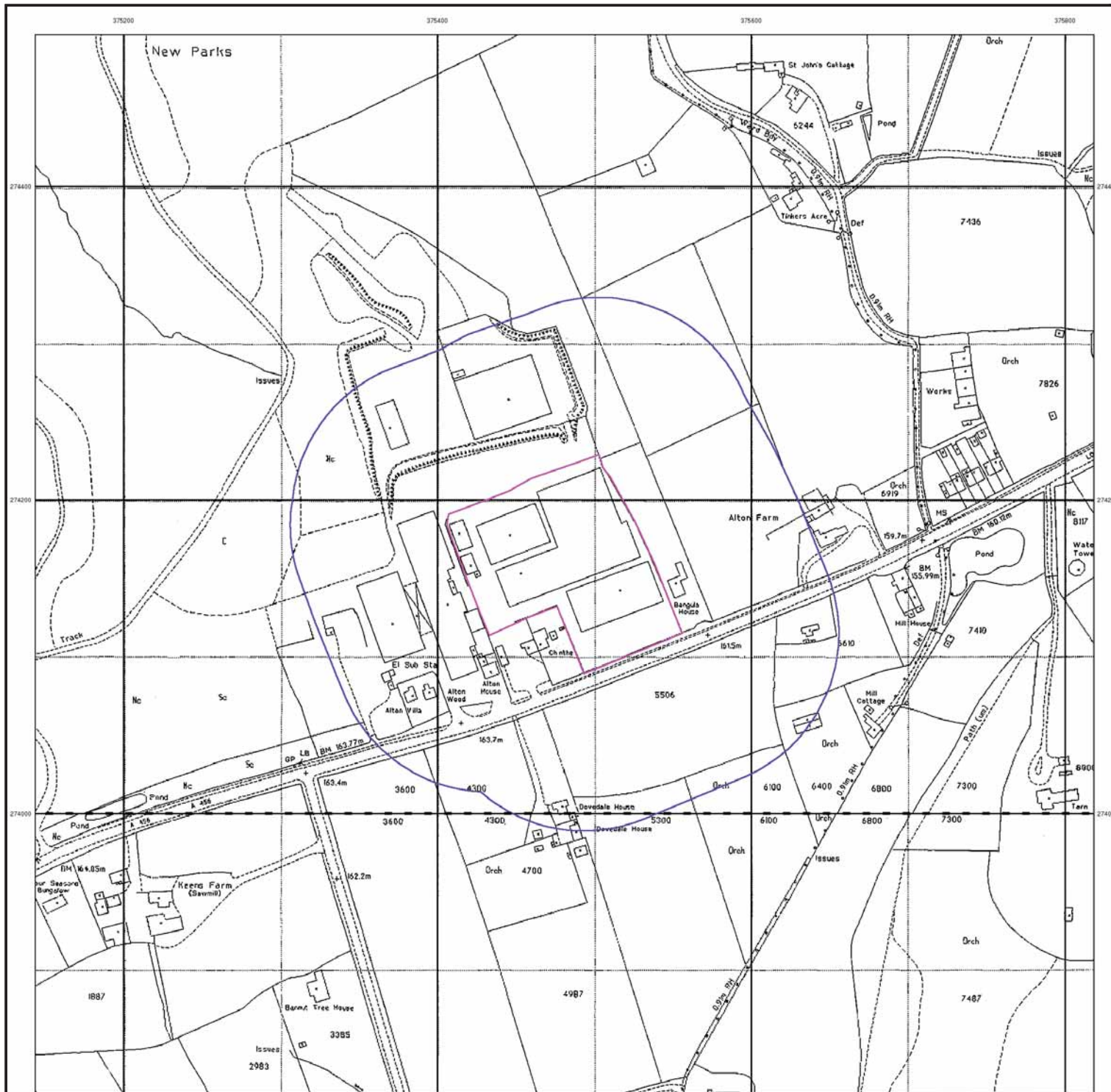


### Order Details

Order Number: 152140647\_1\_1  
 Customer Ref: 400-17-527  
 National Grid Reference: 375480, 274160  
 Slice: A  
 Site Area (Ha): 1.21  
 Search Buffer (m): 100

### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL





## 10k Raster Mapping

Published 2006

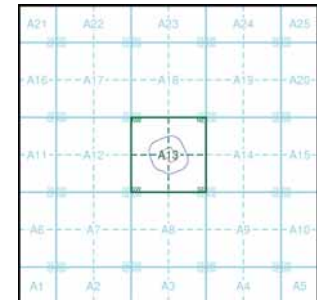
Source map scale - 1:10,000

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)

SO77NW 2006 1:10,000	SO77NE 2006 1:10,000
SO77SW 2006 1:10,000	SO77SE 2006 1:10,000

### Historical Map - Slice A

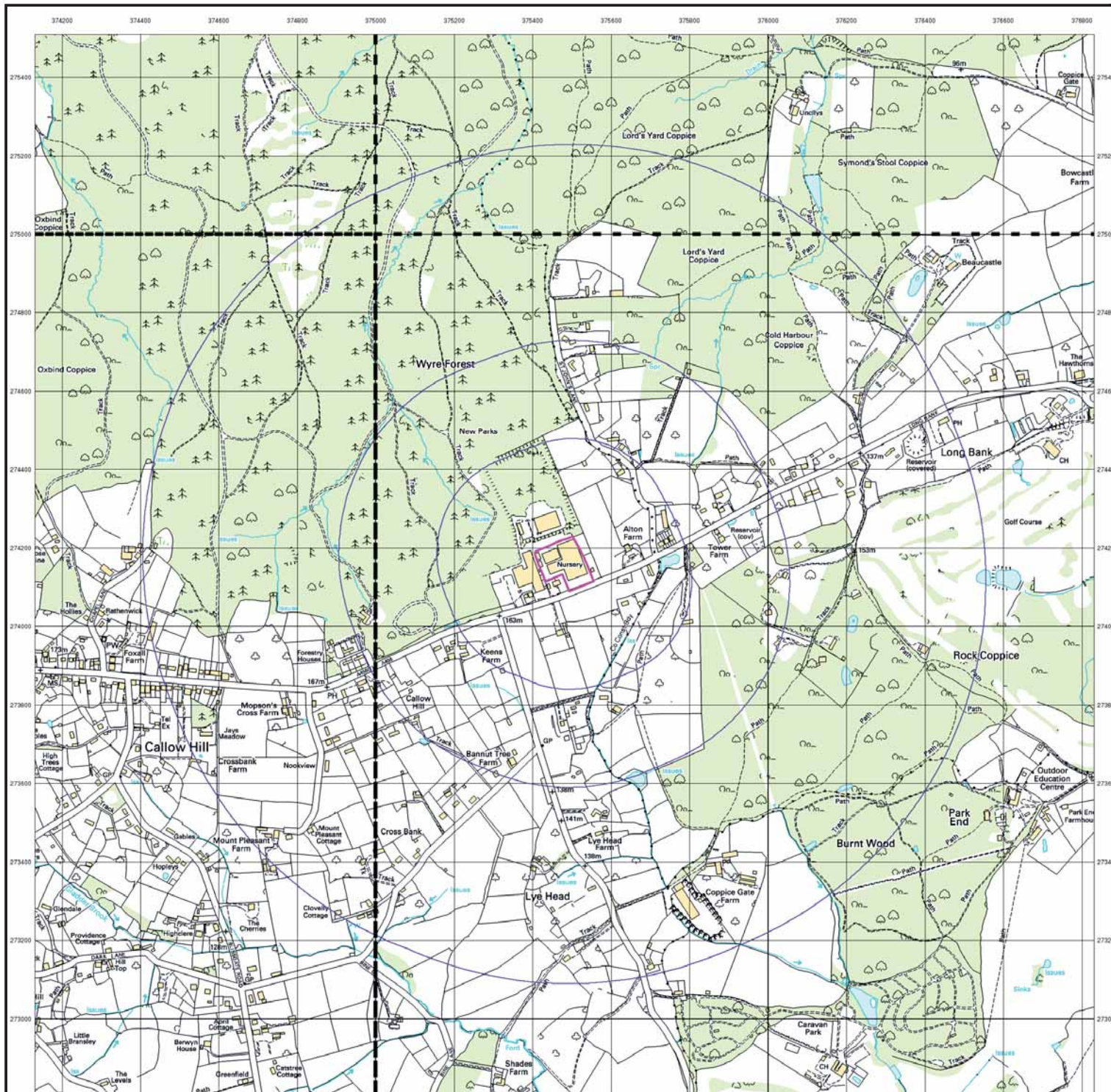


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Order Number: 152140647\_1\_1  
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 Site Area (Ha): 1.21  
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### Site Details

1 Alton Nurseries, Longbank, BEWDLEY, DY12 2UL



## VectorMap Local

Published 2017

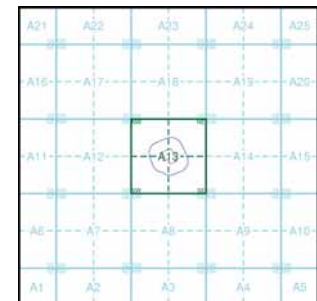
Source map scale - 1:10,000

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)

S077NW 2017 Variable	S077NE 2017 Variable
S077SW 2017 Variable	S077SE 2017 Variable

### Historical Map - Slice A



### Order Details

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