

STUART GUY CONSULTING



**Environmental Site Investigation of
Cuckoo Bridge Farm, North Drove
Spalding, Lincolnshire, PE11 3JY**

15th July 2020

REPORT NUMBER 20-04-01/2

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Environmental Risk Assessment of Cuckoo Bridge Farm

North Drove, Spalding, Lincolnshire, PE11 3JY

Non - technical Summary

The site (~0.6 ha) comprises part of the commercial site and a paddock that has been constructed from imported soil. A very few residential buildings are located near to the site, including the house occupied by the owner. The area is flat with a ditch flowing beside Iron Bar Drove. The planning application is for change of use from commercial to residential.

The Sitecheck Data report identified one source of potential contamination, that of a road haulage services. This was confirmed by the Google street level photo taken in 2009 and by the site owner. There may have been a fuel tank on the corner of the large shed and there was still the bund for a larger tank just off this site boundary. Inside the large shed, there was a paint spray booth that had been used just a few times. The gravel covered area where the lorries were parked has had soil placed on it and will be used as a paddock for a horse. As the soil came from multiple sources, samples were collected and analysed. Cement stabilized fibrous sheeting was visible on the upper parts of the walls and roof and may contain asbestos fibres.

The external concrete and the concrete floor in the shed were very clean with no signs of fuel or oil spills. The concrete where the small fuel tank may have been located was also very clean with no signs of fuel spills. Similarly, the gravel around the fuel tank bund was clean and the block bund walls were not marked by fuel contamination. The paint spray booth was used just a few times and was clean. The sheeting on the large shed was in good condition and not deteriorating to release fibres.

The risk of harm from fuel, oil and solvents to the occupiers of the site and to the environment is not significant and the risk is acceptable. The risk of harm from the potential asbestos fibres to the occupiers of the site is acceptable. The analyses of the samples of soil in the paddock area found nothing that could present a risk of harm to the occupiers or to the environment.

No other investigation is necessary for this site.

Environmental Risk Assessment of Cuckoo Bridge Farm

North Drove, Spalding, Lincolnshire, PE11 3JY

Planning Application No. H14-0187-20

1. Scope of the Risk Assessment

1.1 Under instructions from Jeff Robinson of Advanced Automotive Restorations, Cuckoo Bridge Farm, North Drove Bank, Spalding, PE11 3JY, I have prepared this risk assessment based on the following:

A Sitecheck Data Report dated 6th April 2020, reference SCD_240492934_1_1.

BGS map of the site for bedrock and superficial deposits identification

A visit to the site on 7th April 2020

Information from the site owner Jeff Robinson

Site investigation on 2nd July 2020-07-08

ELAB analysis certificate number 20-28732, dated 13th July 2020

1.2 The purpose of this report is to assess whether this site, or potential contaminants from adjacent sites, could present a significant risk of harm to the occupiers of the site or to the environment.

2 Sitecheck Data Report + Google Aerial Image + BGS data + historical data

2.1 The Sitecheck Data report searches features that are recorded on maps or in trade directories of the surrounding area and points to features that may be of concern. As with all automated systems, this tends to identify many features that are not relevant and therefore interpretation of the results is required. Please note that the drawings supplied were confusing, so the Sitecheck Data report also contains the house that is residential. Figure 1 outlines the areas that are the subject of this planning application, its being split into two sections, the paddock and the residential storage area.

2.2 The Google aerial image in the Sitecheck Data report shows that site is in a rural area with a few houses near the site. The Google image photographed in 2020 in Figure 1 shows the area that appears to be grassed and the area that is covered in concrete.

2.3 Under current land use for the site, a road haulage business has been registered on site twice.

2.4 Under current land use for the surrounding area, two sewage discharge consents are marked at about 40 m to the north and 200 to the northwest and an inactive road haulage services is marked at about 40 m to the northeast. The actual business operated from the main part of this site, as seen in the Google street level photos of 2009 (figures 2 and 3)

2.5 Under historical land use for the site, nothing is noted.

2.6 Under historical land use for the surrounding area, nothing is marked

2.7 The BGS geology map shows that the site bedrock is mudstone from the Oxford Clay Formation which is largely impermeable and the superficial deposits are clay and silt from Tidal Flat Deposits which is also largely impermeable. The nearest surface water feature is alongside Iron Bar Drove. Two water abstractions are marked at about 120 m to the northeast and at about 30 m to the east.

2.8 Radon above the action level affects < 1 % of homes and no radon protection measures are recommended.

2.9 The road haulage company was called J M Allen Ltd but not much information is available, except for a Facebook site that was very active at the funeral of John Winterton in July 2017. There is no specific information about when the site became a road haulage services, but historic maps of the area show the site to be a farm on a 1978 1:2,500 scale map. Unfortunately rural areas are not mapped at large scale very often, so a map in 1982 may show the lorry park, but at 1:10,000 it is not at all clear. The Facebook site has many photos of lorries with number plates. The earliest one that I could find was of an 'H' registration which is Aug 90 to Jul 91. It does not mean that the business was on this site, but after a lot of investigation, it is the only concrete evidence of the existence of the business. It appears that the business may have been on site since 1990.

2.10 In summary, the site is in a rural setting with a few houses nearby and an inactive road haulage business is present on the site.

3 Site Visit on 7th April 2020

3.1 The site was visited when it was sunny and dry. Jeff Robinson owns the site and lives in the bungalow that he explained was formerly used as office space for the road haulage business. The site has a large shed in the middle of the northern part and a smaller shed just beside the north eastern boundary. Concrete surrounds most of this northern area (photos 1, 2, 3 and 4) with compacted gravel near the large and small sheds (photos 5, 6, 7, and 8). Jeff explained that the road haulage services ceased to operate in 2010 and he bought the site in 2014. A local ground works company, CER, that operates out of a site about 1 mile away on Horseshoe Road, has been bringing soil from ground works excavations on residential sites locally since 2016. CER scraped off approximately 150 mm of the compacted hardcore to improve drainage and stockpiled the soil on site over about 1½ years. This was finally levelled off in early 2019 and it is now a grassed paddock (photo 1). The depth of soil applied is about 1 to 1.5 m. The paddock will be fenced off and a horse accommodated on it.

3.2 The house (photo 2) was constructed in 2008 and was part of the commercial business because it was used for offices as well as accommodation by the haulage services owner. The commercial designation of this house was changed to residential by Jeff when he moved into the accommodation. At present the two sheds, concrete area and the paddock attract business rates and this change of use application is to keep the small shed and part of the concrete apron in front of it as commercial and to change the large shed, most of the concrete apron and the paddock into residential use. Jeff can operate his business from the small shed and will

use the large shed for residential storage (he has quite an eclectic collection of very rare cars in the large shed).

3.3 A road haulage business is potentially contaminating, but that depends on the careful operation of the business. Jeff indicated that a small fuel tank was located on the corner of the large shed (photo 8) but there was little evidence for that, except that the concrete appeared to have remnants of a structure on that could have been a small bund that has subsequently been removed. The bund near the small shed (photo 7) did not show any signs of oily contamination on the walls and vegetation was growing inside it, suggesting that little or no hydrocarbon contamination was present inside the bund. The gravel around the bund was also very clean. A very close inspection of the concrete did not find any discoloration associated with hydrocarbon contamination (photos 1, 2, 3 and 4). All the joins in the concrete sections were very clean as was the gravel under the ramp and the ramp itself (photo 6).

3.4 The large shed has potential cement stabilised asbestos sheeting at height with steel sheeting from ground level up to about 3 m high (figure 2 and 3, photo 6 and 8), the only exception seems to be where a large door for access to the shed has new sheeting (photo 9). However, the sheeting appears to be quite recent and may not contain asbestos fibres. The interior of the large shed is extremely clean with no trace of oily deposits or fuel on the concrete (photo 10). A paint spray booth is located in the top right hand corner of photo 10, but bore little sign of use. Jeff Robinson explained that it was cheaper to use a specialist paint shop than to prepare the paint and the spray booth for use, so it has not been used for some time.

3.5 A walk around the area confirmed that no other sources of potential contamination were near to the site.

4. Conceptual Model

4.1 The site (~0.6 ha) is in a rural area with fields and a very few buildings near to it.. The Sitecheck Data report listed one significant source of potential contamination on site, that of inactive road haulage services. The Google street level photos showed that lorries were parked on a field with gravel hard standing and that the concrete area had lorries and trailers parked on it as well. A fuel tank may have been located on the south western corner of the large shed and a bund for a large fuel tank was located next to the small shed. A paint spray facility was located in the large shed, but has been little used. The hard standing lorry park has been turned into a paddock by placing soil excavated by ground works contractors from residential developments nearby. This now has grass growing on it.

4.2 The site is level and flat, the ground under the site is largely impermeable and the nearest surface water feature is the ditch near the western boundary. The planning application is for change of use with no plans to change any part of the site.

4.3 The suggested model of ‘source, pathway, target’ in which all three components have to be present will be considered for this site. In this context, the source will be a potential contaminant, the receptor will be human or environmental and the pathway will be some process whereby mass transfer from source to receptor occurs.

4.4 Possible pollutant linkages:

Contaminant	Pathway	Receptor
Asbestos fibres	Inhalation of free fibres sized between about 2 and 10 µm	Occupiers of the site
Petroleum hydrocarbons (TPH) from fuel and oil in lorries and in storage tanks	Vertical and lateral migration of hydrocarbons under concrete and under the paddock soil	Occupiers of the site Groundwater
Partially combusted hydrocarbons (PAH) from sooty exhaust systems and used engine oil	Vertical and lateral migration of poly cyclic aromatic hydrocarbons (PAH) from under concrete and under the paddock soil	Occupiers of the site Groundwater
Heavy metals from corrosion and used engine oil	Lateral migration in groundwater under concrete and under the paddock soil	Occupiers of the site Groundwater
Solvents from paint spraying facility	Lateral migration of solvents under concrete and up into paddock soil	Occupiers of the site Groundwater

5 Conclusions and Recommendations

5.1 The cement stabilised sheeting with potential asbestos fibres is in very good condition and will not present a significant risk of harm to the occupiers of the site unless the sheeting is damaged or altered. This is very unlikely as there are no large vehicles on site that can damage the sheeting. It is now, and remains, the responsibility of the site owner to use competent contractors if alterations to the sheeting are carried out. The risk of harm to the occupiers of the site from asbestos fibres is not significant and the risk is acceptable.

5.2 The Sitecheck Data report and the Google aerial photographs from 2009 point to a substantial road haulage services business on site. The concrete on site is remarkably clean as is the gravel hard standing and the interior floor of the large shed. The condition of the hard standing under the soil placed on the paddock cannot be assessed, but it is now covered by at least 1 m of imported soil. The bund on the boundary to the northeast is very clean on the outside, but the interior has become filled with leaves and branches. The gravel around the bund is also very clean with no oily stains. Therefore, the risk of harm from petroleum hydrocarbons and PAH to the occupiers of the site and to the groundwater is not significant and the risk is acceptable.

5.3 Heavy metals are not very mobile in groundwater and there is no rusty or sooty dust on the concrete. The risk of harm from heavy metals on the concrete to the occupiers of the site is not significant and the risk is acceptable.

5.4 The solvents used in the spray paint facility in the large shed are contained in that shed. The minimal use of that facility and the very clean appearance of the floor and walls inside the large shed suggest that no solvents have contaminated the interior of the building. The risk of

harm to the occupiers of the site and to the environment is not significant and the risk is acceptable.

5.5 The origin of the soil on the pasture has been raised as a concern by the land contamination officer for SHDC. The paddock is not adjacent to the house which already has a good sized garden and greenhouse. The soil did come from residential developments and looked to be good quality, according to the owner. One solution was to place a covenant on the paddock that it must not be incorporated into the residential property for garden use.

5.6 The response from the planning department was that the conclusions about the very clean external concrete, clean floor area in the large shed and cement stabilized sheeting in good condition was supported, but that the imposition of a covenant on the paddock area was not sufficiently protective for future residents. Therefore it was agreed that ten shallow trial pits should be excavated across the paddock and two samples of soil taken from each one for analysis. The soil could then be assessed for the risk of harm to the residents of the site.

6 Trial Pits and Samples Taken

6.1 The weather damp and overcast with occasional drops of rain turning into a light shower at trial pits 9 and 10, during the excavation and sampling. The soil on site originated from an unknown number of sites where soil was excavated from foundations

6.2 Trial Pit logs and locations (see figure 4).

The soil was excavated from different sites in and around Spalding, then stockpiled and spread over the paddock site. Therefore, the excavations revealed no distinct layering, except for some large lumps of clay that were encountered. The horizontal distribution was also mixed with different amounts of the components that comprised the soil. The major component was slightly clayey sand varying in colour from light brown to brown, then lumps of clay from a few tens of cm long and a up to 10 cm in depth, probably lumps that were flattened in the placement. The clay varied in colour from light brown to dark brown. Small, medium and occasional large stones, as well as cobbles, were encountered all over the site, the vast majority of which were limestone.

The logs consist of a broad description of the soil at the sampling level with any variations, such as the amount of clay lumps that were encountered. The number of large stones and cobbles did vary a bit, but it was not possible to quantify this as it was only a small number extra or fewer. As the trial pits were disrupted as large stones were removed by the bucket, the base of the trial pit had to be cleared by hand shovel prior to sampling the walls

TP1 near north eastern end of site (photo 11)

Sample Depth	Description of sample/ground
0.1 – 0.2 m	Light brown slightly clayey sand
0.5 – 0.6 m	Light brown slightly clayey sand

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TP2 near north western end of site (photo 12)

Sample Depth	Description of sample/ground
0.3 – 0.4 m	Light brown slightly clayey sand
0.6 – 0.7 m	Mainly stiff dark brown clay

TP3 north eastern end in middle (photo 13)

Sample Depth	Description of sample/ground
0.1 – 0.2 m	Light brown slightly clayey sand
0.4 – 0.5 m	Light brown slightly clayey sand

TP4 north eastern end middle eastern side (photo 14)

Sample Depth	Description of sample/ground
0.2 – 0.3 m	Light brown slightly clayey sand, but more clay
0.6 – 0.7 m	Light brown slightly clayey sand, but more clay

TP5 north eastern end middle western side (photo 15)

Sample Depth	Description of sample/ground
0.3 – 0.4 m	Light brown slightly clayey sand, but more clay
0.6 – 0.7 m	Light brown slightly clayey sand

TP6 south eastern end middle of site (photo 16)

Sample Depth	Description of sample/ground
0.2 – 0.3 m	Light brown slightly clayey sand, but with a little extra clay
0.4 – 0.5 m	Light brown slightly clayey sand

TP7 south eastern end middle to south of TP6 (photo 17)

Sample Depth	Description of sample/ground
0.1 - 0.2 m	Light brown slightly clayey sand
0.5 – 0.6m	Light brown slightly clayey sand

TP8 south eastern end to eastern side of site (photo 18)

Sample Depth	Description of sample/ground
0.3 – 0.4 m	Light brown slightly clayey sand
0.6 – 0.7 m	Light brown slightly clayey sand

TP9 south eastern end to western side of site (photo 19)

Sample Depth	Description of sample/ground
0.2 – 0.3 m	Light brown slightly clayey sand
0.5 - 0.6 m	Light brown slightly clayey sand

TP10 south eastern end middle to south of site (photo 20)

Sample Depth	Description of sample/ground
0.1 – 0.2 m	Light brown slightly clayey sand
0.4 – 0.5 m	Light brown slightly clayey sand

6.3 Sample collection method and transport:

Samples were taken by removing small amounts from the sides of the trial pit over the depth indicated or from the excavator bucket, placed into amber jars and sealed with screw-top caps fitted with plastic inserts.

The samples were placed into a cool box containing an ice pack for transport to the office. The samples were stored in the fridge over two nights and then placed in the cool box (with a new ice pack) to be sent by carrier to The Environmental Laboratory Ltd where UKAS accreditation has been obtained for most of the species required.

7. Analytical Results

7.1 The concentrations of all the heavy metals in the samples were below the soil guideline values, where they exist, or at that normally expected in a garden setting

7.2 The concentrations of TPH were elevated in three samples:

TP1 0.5 – 0.6 m reported total aliphatic and aromatic at 268 mg/kg of which about 210 mg/kg were in the non-volatile aromatic C₂₁-C₄₀ fraction

TP4 0.6 – 0.7 m reported total aliphatic and aromatic at 317 mg/kg of which about 270 mg/kg were in the non-volatile aromatic C₂₁-C₄₀ fraction

TP5 0.3 – 0.4 m reported total aliphatic and aromatic at 271 mg/kg of which about 220 mg/kg were in the non-volatile aromatic C₂₁-C₄₀ fraction

7.3 The concentrations of total PAH in all samples reported low or very low values

7.4 Soil pH varied between about 8 and 8.6

7.5 Soil Organic Matter reported concentrations of about 1 – 2%

7.6 Asbestos fibres were not identified in any of the samples

6 Risk Assessment

6.1 The concentrations of heavy metals, PAH and soil organic matter in all the samples were within ranges that present little significant risk of harm to the occupiers of the site and the risk is therefore acceptable.

6.2 The range of pH values is within that expected from the slightly alkaline limestone soil. The soil will not be reactive with metallic species and the risk of harm to the occupiers of the site is not significant and the risk is acceptable

6.3 The TPH concentrations in three of the samples are elevated, but most of the TPH is in the higher molecular weight species. This will not migrate easily and the values are not particularly high. This fraction is associated with lubricating oil and hydraulic oil and probably originated from the excavators used to extract the soil from the foundations. The fraction of

soil that is stones can only be estimated, but from the difficulty of separating small and medium sized stones from the finer soil when taking a sample, as well as the number of large stones and cobbles, it must be in the range of 20 – 30 %. Therefore, the risk of harm to the occupiers of the site is not significant and the risk is acceptable.

7 Summary

7.1 The site (~0.8 ha) comprises part of the commercial site and a paddock that has been constructed from imported soil. A very few residential buildings are located near to the site, including the house occupied by the owner. The area is flat with a ditch flowing beside Iron Bar Drove. The planning application is for change of use from commercial to residential.

7.2 The Sitecheck Data report identified one source of potential contamination, that of a road haulage services. This was confirmed by the Google street level photos taken in 2009 and by the site owner. There may have been a fuel tank on the corner of the large shed and there was still the bund for a larger tank just off this site boundary. Inside the large shed, there was a paint spray booth that had been used just a few times. Cement stabilized fibrous sheeting was visible on the upper parts of the walls and roof and may contain asbestos fibres.

7.3 The concrete on the area beside the large shed was very clean with no signs of fuel or oil spills. The floor in the large shed was also very clean. The concrete where the small fuel tank may have been located was also very clean with no signs of fuel spills. Similarly, the gravel around the fuel tank bund was clean and the block bund walls were not marked by fuel contamination. The paint spray booth was used just a few times and was clean. The sheeting on the large shed was in good condition and not deteriorating to release fibres.

7.4 The gravel covered area where the lorries were parked has had soil placed on it and will be used as a paddock for a horse. The soil came from multiple sources, so a site investigation collected soil samples which were analysed, but none of the species presented a risk of harm to the occupiers of the site.

7.5 The risk of harm from fuel, oil and solvents to the occupiers of the site and to the environment is not significant and the risk is acceptable. The risk of harm from the potential asbestos fibres is not significant and the risk to the occupiers of the site is not significant and the risk is acceptable.

7.6 Those workers whose main job it is to grade sites or excavate significant quantities of soil could be subject to cumulative exposure to various substances on many sites and they should wear overalls and gloves, even if the soils do not present a significant risk to the health of the workforce. For example, the presence of water contaminated with Weil's disease is a small probability but working on many sites increases the risk of infection to a worker. Localised contamination from small amounts of chemicals that could have been discarded is an unlikely event, but if heavily discoloured or highly odorous materials are encountered, then appropriate advice should be sought.

Stuart Guy, BSc, PhD, C Chem, MRSC, C Eng, MIMMM

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Figure 1 Google aerial image of 2020 showing paddock area and concrete covered area



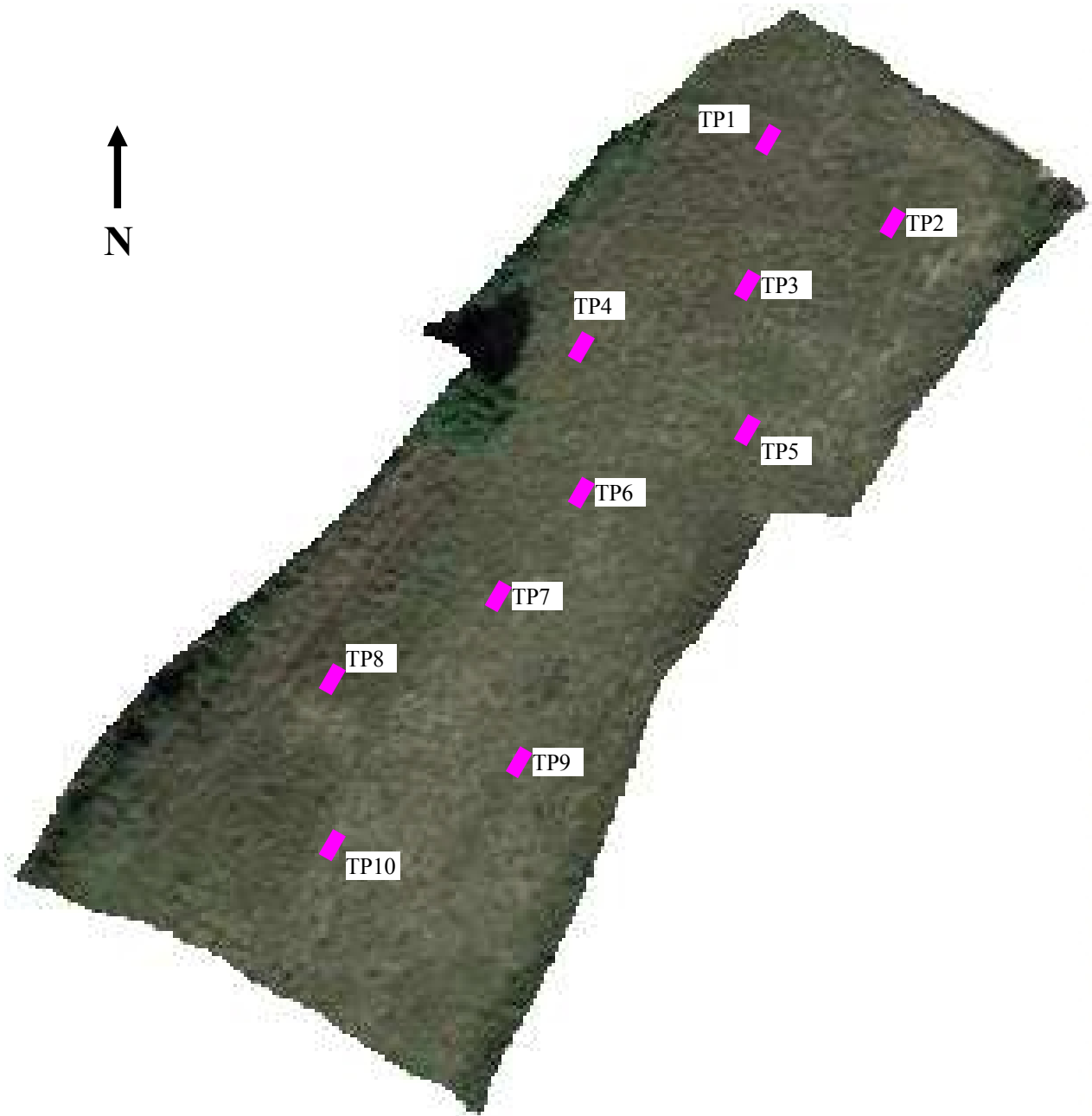
Figure 2 Google street level photograph taken in July 2009



Figure 3 Google street level photograph taken in July 2009



Location of Trial Pits



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Photo 1 Concrete area with paddock to the southwest



Photo 2 Concrete area on northern side of large shed looking towards southwest



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Photo 3 Concrete area to north eastern side of large shed looking toward road



Photo 4 Concrete area near small shed looking toward northwest



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Photo 5 Compacted gravel between large shed and road



Photo 6 Compacted gravel along north eastern side of large shed and concrete ramp



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Photo 7 Small shed with gravel area to south eastern side and bund for fuel tank



Photo 8 Western corner of large shed showing potential asbestos containing cladding



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Photo 9 New section of sheeting on door between steel sheeting.



Photo 10 Interior of large shed with paint spray booth in right corner



Photo 11 TP1 near north eastern corner of plot



Photo 12 TP2 near north western corner of plot



Photo 13 TP3 north eastern end in middle



Photo 14 TP4 north eastern end middle eastern side



Photo 15 TP5 north eastern end middle western side



Photo 16 TP6 south eastern end middle of site



Photo 17 TP7 south eastern end middle to south of site



Photo 18 TP8 south eastern end to eastern side of site



Photo 19 south eastern end to western side of site



Photo 20 south eastern end middle at south of site





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THE ENVIRONMENTAL LABORATORY LTD

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Issue: 1

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Tim Reeve, Quality Officer

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Sample Summary

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Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
207824	TP1 0.10 - 0.20	02/07/2020	06/07/2020	Silty loam	
207825	TP1 0.50 - 0.60	02/07/2020	06/07/2020	Silty loam	
207826	TP2 0.30 - 0.40	02/07/2020	06/07/2020	Silty loam	
207827	TP2 0.60 - 0.70	02/07/2020	06/07/2020	Clay	
207828	TP3 0.10 - 0.20	02/07/2020	06/07/2020	Silty loam	
207829	TP3 0.40 - 0.50	02/07/2020	06/07/2020	Silty loam	
207830	TP4 0.20 - 0.30	02/07/2020	06/07/2020	Silty loam	
207831	TP4 0.60 - 0.70	02/07/2020	06/07/2020	Silty loam	
207832	TP5 0.30 - 0.40	02/07/2020	06/07/2020	Silty loam	
207833	TP5 0.60 - 0.70	02/07/2020	06/07/2020	Silty loam	
207834	TP6 0.20 - 0.30	02/07/2020	06/07/2020	Silty loam	
207835	TP6 0.40 - 0.50	02/07/2020	06/07/2020	Silty loam	
207836	TP7 0.10 - 0.20	02/07/2020	06/07/2020	Silty loam	
207837	TP7 0.50 - 0.60	02/07/2020	06/07/2020	Silty loam	
207838	TP8 0.30 - 0.40	02/07/2020	06/07/2020	Sandy silty loam	
207839	TP8 0.60 - 0.70	02/07/2020	06/07/2020	Silty loam	
207840	TP9 0.20 - 0.30	02/07/2020	06/07/2020	Silty loam	
207841	TP9 0.50 - 0.60	02/07/2020	06/07/2020	Sandy silty loam	
207842	TP10 0.10 - 0.20	02/07/2020	06/07/2020	Silty loam	
207843	TP10 0.40 - 0.50	02/07/2020	06/07/2020	Silty loam	

Results Summary

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ELAB Reference	207824	207825	207826	207827	207828
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP1	TP1	TP2	TP2	TP3
Sample Depth (m)	0.10 - 0.20	0.50 - 0.60	0.30 - 0.40	0.60 - 0.70	0.10 - 0.20
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None	None	None	None
Metals								
Arsenic	M	mg/kg	1	13.4	12.5	10.8	13.5	12.1
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	29.3	32.7	20.4	37.2	32.7
Copper	M	mg/kg	5	19.8	25.5	13.8	22.4	24.2
Lead	M	mg/kg	5	52.2	29.0	14.2	26.0	25.2
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	20.7	18.9	17.2	33.6	28.2
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	76.6	84.1	51.3	73.1	81.7
Inorganics								
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Miscellaneous								
pH	M	pH units	0.1	8.6	8.4	8.2	8.2	8.2
Soil Organic Matter	U	%	0.1	1.2	2.7	1.3	1.3	1.4
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
Phenanthrene	M	mg/kg	0.1	0.2	0.4	0.1	< 0.1	0.1
Anthracene	M	mg/kg	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.5	2.2	0.3	< 0.1	0.3
Pyrene	M	mg/kg	0.1	0.4	2.2	0.3	< 0.1	0.3
Benzo(a)anthracene	M	mg/kg	0.1	0.3	1.3	0.2	< 0.1	0.3
Chrysene	M	mg/kg	0.1	0.3	1.6	0.2	< 0.1	0.4
Benzo(b)fluoranthene	M	mg/kg	0.1	0.4	2.2	0.2	< 0.1	0.4
Benzo(k)fluoranthene	M	mg/kg	0.1	0.4	1.9	0.3	< 0.1	0.4
Benzo(a)pyrene	M	mg/kg	0.1	0.3	2.0	0.2	< 0.1	0.4
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.2	1.6	0.2	< 0.1	0.3
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	0.4	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	0.2	1.9	0.2	< 0.1	0.2
Total PAH(16)	M	mg/kg	0.4	3.7	18.0	2.3	< 0.4	3.6



Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207824	207825	207826	207827	207828
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP1	TP1	TP2	TP2	TP3
Sample Depth (m)	0.10 - 0.20	0.50 - 0.60	0.30 - 0.40	0.60 - 0.70	0.10 - 0.20
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	1.1	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	6.3	20.8	9.9	3.0	3.0
>C35-C40 Aliphatic	M	mg/kg	1	3.6	10.0	6.9	2.9	2.3
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	11.2	34.2	18.9	6.5	6.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	1.5	1.1	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	1.6	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	1.3	3.8	2.1	< 1.0	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	1.4	12.9	2.2	< 1.0	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	19.4	161	40.8	13.6	11.0
>C35-C40 Aromatic	M	mg/kg	1	6.2	53.8	13.0	3.9	3.2
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	29.5	234	60.1	19.8	16.5
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	40.7	268	79.0	26.3	22.5

Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207829	207830	207831	207832	207833
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP3	TP4	TP4	TP5	TP5
Sample Depth (m)	0.40 - 0.50	0.20 - 0.30	0.60 - 0.70	0.30 - 0.40	0.60 - 0.70
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	9.7	< 0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	Stones	None	None	None	None
Metals								
Arsenic	M	mg/kg	1	12.5	12.0	12.5	11.1	14.4
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	27.3	25.9	24.5	23.7	29.2
Copper	M	mg/kg	5	18.2	16.1	15.0	18.4	19.9
Lead	M	mg/kg	5	27.3	23.8	20.6	22.9	27.1
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	18.8	20.2	19.7	18.5	21.1
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	65.2	56.5	54.4	64.7	69.8
Inorganics								
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Miscellaneous								
pH	M	pH units	0.1	8.1	8.1	8.4	8.4	8.0
Soil Organic Matter	U	%	0.1	1.7	1.3	1.3	1.5	1.5
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.2	< 0.1	0.4	0.2	< 0.1
Pyrene	M	mg/kg	0.1	0.2	0.1	0.4	0.2	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	0.1	< 0.1	0.3	0.1	< 0.1
Chrysene	M	mg/kg	0.1	0.2	< 0.1	0.4	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	0.2	< 0.1	0.6	< 0.1	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	0.2	< 0.1	0.6	< 0.1	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	0.1	< 0.1	0.5	< 0.1	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.1	< 0.1	0.5	< 0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	< 0.1	0.6	< 0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	1.6	0.4	4.7	0.7	< 0.4



Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207829	207830	207831	207832	207833
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP3	TP4	TP4	TP5	TP5
Sample Depth (m)	0.40 - 0.50	0.20 - 0.30	0.60 - 0.70	0.30 - 0.40	0.60 - 0.70
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	1.2	1.1	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	1.1	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	3.8	1.5	22.0	23.6	12.8
>C35-C40 Aliphatic	M	mg/kg	1	2.7	1.2	10.5	16.3	10.1
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	7.4	3.2	36.2	43.0	24.9
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	1.7	1.6	1.2
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	< 1.0	1.7	1.7	1.3
>C12-C16 Aromatic	M	mg/kg	1	< 1.0	< 1.0	3.8	3.3	2.4
>C16-C21 Aromatic	M	mg/kg	1	< 1.0	< 1.0	7.6	5.2	1.8
>C21-C35 Aromatic	M	mg/kg	1	13.6	5.2	179	144	69.8
>C35-C40 Aromatic	M	mg/kg	1	4.0	1.5	87.0	71.8	22.5
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	20.3	7.9	281	228	98.9
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	27.7	11.0	317	271	124

Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207834	207835	207836	207837	207838
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP6	TP6	TP7	TP7	TP8
Sample Depth (m)	0.20 - 0.30	0.40 - 0.50	0.10 - 0.20	0.50 - 0.60	0.30 - 0.40
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None	None	None	None
Metals								
Arsenic	M	mg/kg	1	16.1	13.6	13.7	14.8	8.8
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	32.6	26.7	28.3	30.6	28.1
Copper	M	mg/kg	5	17.0	19.7	15.0	19.5	15.6
Lead	M	mg/kg	5	23.6	28.5	22.8	31.2	23.1
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	24.9	18.4	21.6	22.9	21.0
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	67.3	67.9	59.9	78.0	62.4
Inorganics								
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Miscellaneous								
pH	M	pH units	0.1	8.5	8.6	8.2	8.0	8.1
Soil Organic Matter	U	%	0.1	1.2	1.7	1.4	1.6	1.2
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	0.2	0.1	< 0.1	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.1	0.5	0.3	0.2	0.1
Pyrene	M	mg/kg	0.1	< 0.1	0.4	0.4	0.2	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	0.3	0.3	0.1	< 0.1
Chrysene	M	mg/kg	0.1	< 0.1	0.3	0.3	0.1	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	0.3	0.3	0.2	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	0.4	0.3	0.2	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	0.3	0.3	0.2	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	0.2	0.2	0.1	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	0.3	0.2	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	0.4	3.6	2.8	1.7	0.4



Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207834	207835	207836	207837	207838
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP6	TP6	TP7	TP7	TP8
Sample Depth (m)	0.20 - 0.30	0.40 - 0.50	0.10 - 0.20	0.50 - 0.60	0.30 - 0.40
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	8.1	8.0	2.4	1.6	2.1
>C35-C40 Aliphatic	M	mg/kg	1	6.0	5.7	2.4	1.6	1.8
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	15.9	15.6	5.5	3.6	4.4
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	1.0	1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	< 1.0	1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	1.8	1.9	< 1.0	< 1.0	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	1.7	1.7	< 1.0	< 1.0	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	35.6	33.7	10.3	6.6	7.0
>C35-C40 Aromatic	M	mg/kg	1	9.8	11.4	2.7	1.7	1.9
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	51.0	50.8	15.1	9.6	10.4
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	66.9	66.3	20.6	13.2	14.8

Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207839	207840	207841	207842	207843
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP8	TP9	TP9	TP10	TP10
Sample Depth (m)	0.60 - 0.70	0.20 - 0.30	0.50 - 0.60	0.10 - 0.20	0.40 - 0.50
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Description of Inert material removed	N		0	None	None	None	None	None
Metals								
Arsenic	M	mg/kg	1	10.6	11.8	10.9	12.6	15.3
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	24.9	23.9	18.0	25.7	29.1
Copper	M	mg/kg	5	17.3	19.2	17.5	20.3	18.6
Lead	M	mg/kg	5	24.7	36.1	57.0	37.7	32.1
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Nickel	M	mg/kg	5	19.1	19.3	15.4	19.3	22.1
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	59.8	72.7	71.4	74.2	74.4
Inorganics								
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Miscellaneous								
pH	M	pH units	0.1	8.3	8.0	8.0	7.7	8.1
Soil Organic Matter	U	%	0.1	1.5	1.9	1.4	2.1	1.3
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	< 0.1	0.1	0.2	0.2	< 0.1
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	0.2	0.2	0.7	0.4	< 0.1
Pyrene	M	mg/kg	0.1	0.2	0.2	0.7	0.3	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	< 0.1	0.2	0.5	0.2	< 0.1
Chrysene	M	mg/kg	0.1	0.1	0.2	0.6	0.3	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	< 0.1	0.2	0.8	0.2	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	< 0.1	0.3	0.7	0.3	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	< 0.1	0.2	0.7	0.3	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	< 0.1	0.1	0.5	0.2	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	< 0.1	0.1	0.5	0.1	< 0.1
Total PAH(16)	M	mg/kg	0.4	0.7	2.2	6.3	2.6	< 0.4



Results Summary

2683

Report No.: 20-28732, issue number 1

ELAB Reference	207839	207840	207841	207842	207843
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	TP8	TP9	TP9	TP10	TP10
Sample Depth (m)	0.60 - 0.70	0.20 - 0.30	0.50 - 0.60	0.10 - 0.20	0.40 - 0.50
Sampling Date	02/07/2020	02/07/2020	02/07/2020	02/07/2020	02/07/2020

Determinand	Codes	Units	LOD					
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C16-C21 Aliphatic	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C21-C35 Aliphatic	M	mg/kg	1	8.5	5.3	4.7	3.1	< 1.0
>C35-C40 Aliphatic	M	mg/kg	1	5.8	4.3	4.0	2.9	< 1.0
Total aliphatic hydrocarbons (>C5 - C40)	N	mg/kg	1	16.1	11.0	10.0	6.9	2.1
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	1.1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	M	mg/kg	1	1.1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	M	mg/kg	1	1.9	1.5	1.4	1.0	< 1.0
>C16-C21 Aromatic	M	mg/kg	1	1.6	1.6	1.7	< 1.0	< 1.0
>C21-C35 Aromatic	M	mg/kg	1	39.7	23.8	21.8	13.9	3.5
>C35-C40 Aromatic	M	mg/kg	1	13.0	7.2	5.6	4.5	1.1
Total aromatic hydrocarbons (>C5 - C40)	N	mg/kg	1	58.2	35.7	31.9	21.3	5.5
Total petroleum hydrocarbons (>C5 - C40)	N	mg/kg	1	74.4	46.7	41.9	28.1	7.6

Results Summary

Report No.: 20-28732, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
207824	0.10 - 0.20	TP1	Brown Soil,Stones,Concrete	No asbestos detected	n/t	n/t	n/t	n/t
207825	0.50 - 0.60	TP1	Brown Soil,Stones,Clinker,concrete	No asbestos detected	n/t	n/t	n/t	n/t
207826	0.30 - 0.40	TP2	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207827	0.60 - 0.70	TP2	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207828	0.10 - 0.20	TP3	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207829	0.40 - 0.50	TP3	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207830	0.20 - 0.30	TP4	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207831	0.60 - 0.70	TP4	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207832	0.30 - 0.40	TP5	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207833	0.60 - 0.70	TP5	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207834	0.20 - 0.30	TP6	Brown Soil,Stones,Clinker	No asbestos detected	n/t	n/t	n/t	n/t
207835	0.40 - 0.50	TP6	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207836	0.10 - 0.20	TP7	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207837	0.50 - 0.60	TP7	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207838	0.30 - 0.40	TP8	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207839	0.60 - 0.70	TP8	Brown Soil,Stones,Concrete	No asbestos detected	n/t	n/t	n/t	n/t
207840	0.20 - 0.30	TP9	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t
207841	0.50 - 0.60	TP9	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207842	0.10 - 0.20	TP10	Brown Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
207843	0.40 - 0.50	TP10	Brown Soil	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 20-28732, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Hexavalent chromium	N	As submitted sample	07/07/2020	110	Colorimetry
pH	M	Air dried sample	13/07/2020	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	07/07/2020	118	ICPMS
PAH (GC-FID)	M	As submitted sample	07/07/2020	133	GC-FID
Low range Aliphatic hydrocarbons soil	N	As submitted sample	08/07/2020	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	08/07/2020	181	GC-MS
TPH CWG soil by gc-gc	M	As submitted sample	06/07/2020	214	
Soil organic matter	U	Air dried sample	11/07/2020	BS1377:P3	Titrimetry
Asbestos identification	U	Air dried sample	09/07/2020	PMAN	Microscopy

Tests marked N are not UKAS accredited

Report Information

Report No.: 20-28732, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

-
- | | |
|---|--|
| a | No date of sampling supplied |
| b | No time of sampling supplied (Waters Only) |
| c | Sample not received in appropriate containers |
| d | Sample not received in cooled condition |
| e | The container has been incorrectly filled |
| f | Sample age exceeds stability time (sampling to receipt) |
| g | Sample age exceeds stability time (sampling to analysis) |

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage

Sitecheck Data

Cuckoo Bridge Farm, Cuckoo Bridge Cross Roads, SPALDING, PE11 3JY

Prepared for:

**DR S Guy
Stuart Guy Consulting
5 Willow Heights
Cradley Heath
West Midlands
B64 7PL**

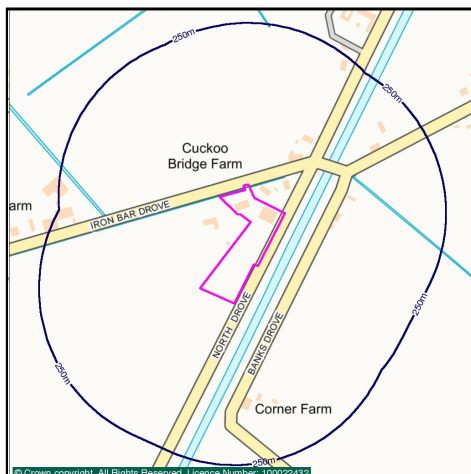
Report Reference: SCD_240492934_1_1

Report Date: 06-APR-2020

Customer Reference: 20-04-01

National Grid Reference: 520460 320380

Site Area: 9331 m²



If you have any questions on the contents of this Report please contact Landmark Customer Helpdesk which is open from 9:00am - 5:30pm, Monday - Friday, via one of the following channels:

Telephone: 0844 844 9966

Fax: 0844 844 9980

Email: info@landmarkinfo.co.uk

Website: www.sitecheck.co.uk

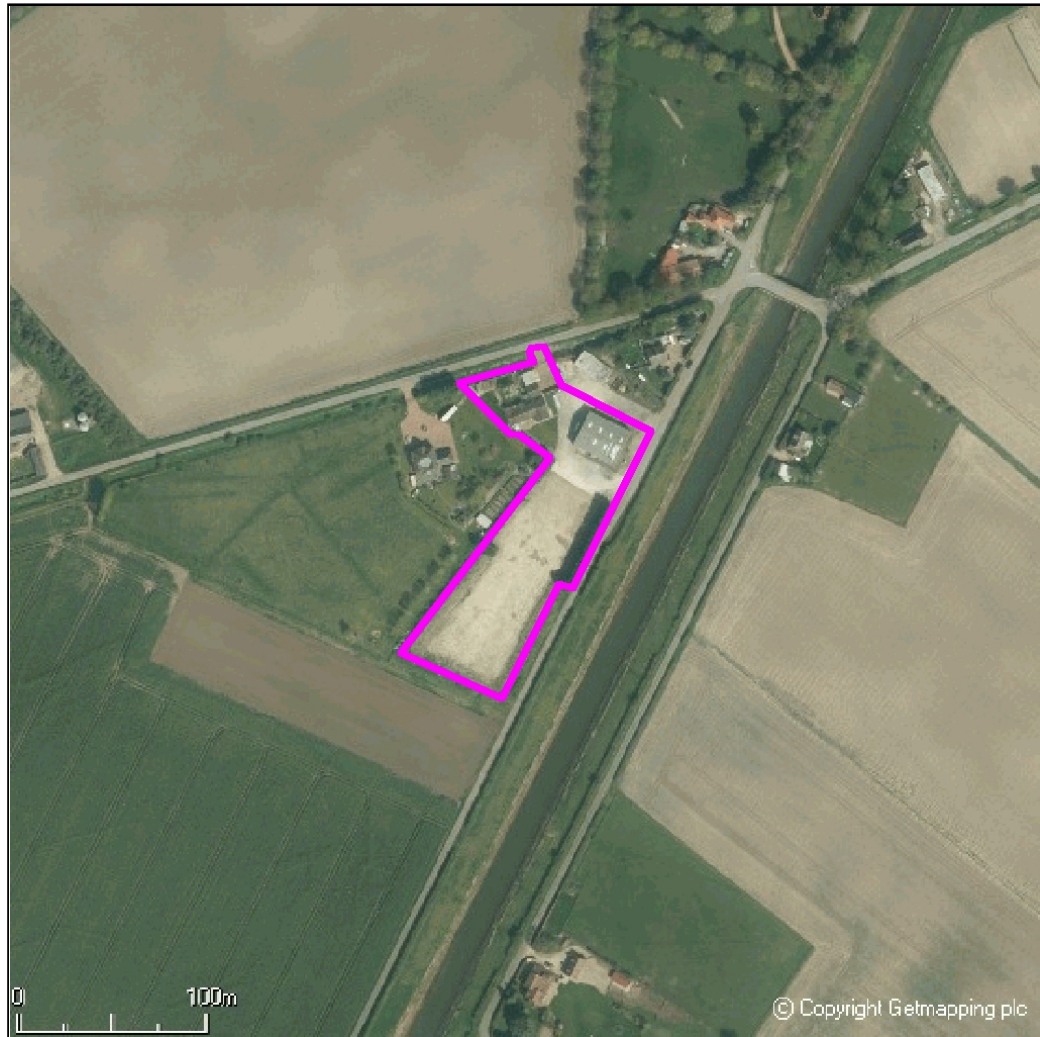
Report Sections and Details	Page
Summary of Site	-
This section comprises contaminant, pathway and receptor information found on site. Other factors which may affect the site are also included.	
Aerial Photo	1
The aerial photo gives an overall view of the area. The smaller large-scale Ordnance Survey map includes the site boundary and search zone buffer at 250m.	
Location Map	2
The large-scale Ordnance Survey map includes the site boundary and search zone buffer at 250m. The smaller aerial photo also includes the site boundary.	
Summary Table	3
This section comprises of a summary table of the information found on site and in its vicinity.	
Current Land Use	7
This section contains a map, which shows current land use features. The following pages detail these features and identify the Reference Number and direction.	
Historical Land Use	9
This section contains a map, which shows historical land use features. The following pages detail these features and identify the Reference Number and direction. A table listing all the maps used to source this information is included.	
Sensitivity	11
This section contains a map, which shows pathway and receptor features. The following pages detail these features and identify the Reference Number and direction. This section also contains a separate Flood Map and flood details.	
Other Factors	14
This section contains information on other factors which may affect the site and its vicinity.	
Useful Information	15
This section contains information which may be of use when interpreting the report.	
Useful Contacts	16
All textual information is linked by the 'Contact Ref' to this quick reference list of contacts. These contacts may be able to supply additional information or answer any subsequent query relating to that record.	

Current Land Use	Page No.	Reference Number (Map ID)
Potentially Contaminative Uses		
Contemporary Trade Directory Entries		
John M Allen, Cuckoo Bridge Cross Roads, Spalding, Lincolnshire, PE11 3JY, Road Haulage Services, Status: Inactive, Positional Accuracy: Automatically positioned to the address	8	1
Allen, Cuckoo Bridge Farm, Cuckoo Bridge Cross Roads, Spalding, Lincolnshire, PE11 3JY, Road Haulage Services, Status: Inactive, Positional Accuracy: Automatically positioned to the address	8	1

Sensitivity	Page No.	Reference Number (Map ID)
Pathways		
Extreme Flooding from Rivers or Sea without Defences		
Type: Extent of Extreme Flooding from Rivers or Sea without Defences, Flood Plain Type: Fluvial Models, Contact Ref: 1	13	-
Flooding from Rivers or Sea without Defences		
Type: Extent of Flooding from Rivers or Sea without Defences, Flood Plain Type: Fluvial Models, Contact Ref: 1	13	-

Other Factors	Page No.	Reference Number (Map ID)
Geological		
Radon Potential - Radon Affected Areas		
Affected Areas: 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, Contact Ref: 2	14	-
Radon Potential - Radon Protection Measures		
Radon Protection Measures: None, Source: British Geological Survey, National Geoscience Information Service, Contact Ref: 2	14	-
Potential for Compressible Ground Stability Hazards		
Hazard Potential: Moderate, Contact Ref: 2	14	-
Potential for Landslide Ground Stability Hazards		
Hazard Potential: Very Low, Contact Ref: 2	14	-
Potential for Running Sand Ground Stability Hazards		
Hazard Potential: Moderate, Contact Ref: 2	14	-

Other Factors	Page No.	Reference Number (Map ID)
Geological		
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
Hazard Potential: Low, Contact Ref: 2	14	-



Site

Cuckoo Bridge Farm, Cuckoo Bridge Cross
Roads, SPALDING, PE11 3JY

Grid Reference

520460, 320380

Report Reference

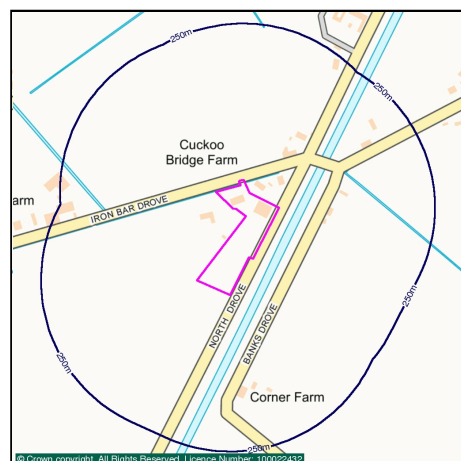
SCD_240492934_1_1

Customer Reference

20-04-01

Size of Site

9331 m²





Site
Cuckoo Bridge Farm, Cuckoo Bridge Cross
Roads, SPALDING, PE11 3JY

Grid Reference
520460, 320380

Report Reference
SCD_240492934_1_1

Customer Reference
20-04-01

Size of Site
9331 m²



Current Land Use	On Site	0-250m
Contaminants	2	3
Waste / Landfill Sites		
BGS Recorded Landfill Sites	0	0
Licensed Waste Management Facilities (Landfill Boundaries)	0	0
Licensed Waste Management Facilities (Locations)	0	0
Local Authority Recorded Landfill Sites	0	0
Registered Landfill Sites	0	0
Registered Waste Transfer Sites	0	0
Registered Waste Treatment or Disposal Sites	0	0
Statutory Authorisations		
Local Authority Pollution Prevention and Controls	0	0
Contaminated Land Register Entries and Notices	0	0
Registered Radioactive Substances	0	0
Discharge Consents		
Discharge Consents	0	2
Water Industry Act Referrals	0	0
Industrial Processes		
Integrated Pollution Controls	0	0
Integrated Pollution Control Registered Waste Sites	0	0
Integrated Pollution Prevention And Control	0	0
Local Authority Integrated Pollution Prevention And Control	0	0
Storage of Hazardous Substances		
Control of Major Accident Hazards Sites (COMAH)	0	0
Explosive Sites	0	0
Notification of Installations Handling Hazardous Substances (NIHHS)	0	0
Planning Hazardous Substance Consents	0	0
Contraventions		
Local Authority Pollution Prevention and Control Enforcements	0	0
Enforcement and Prohibition Notices	0	0
Planning Hazardous Substance Enforcements	0	0
Prosecutions Relating to Authorised Processes	0	0
Prosecutions Relating to Controlled Waters	0	0
Substantiated Pollution Incident Register	0	0

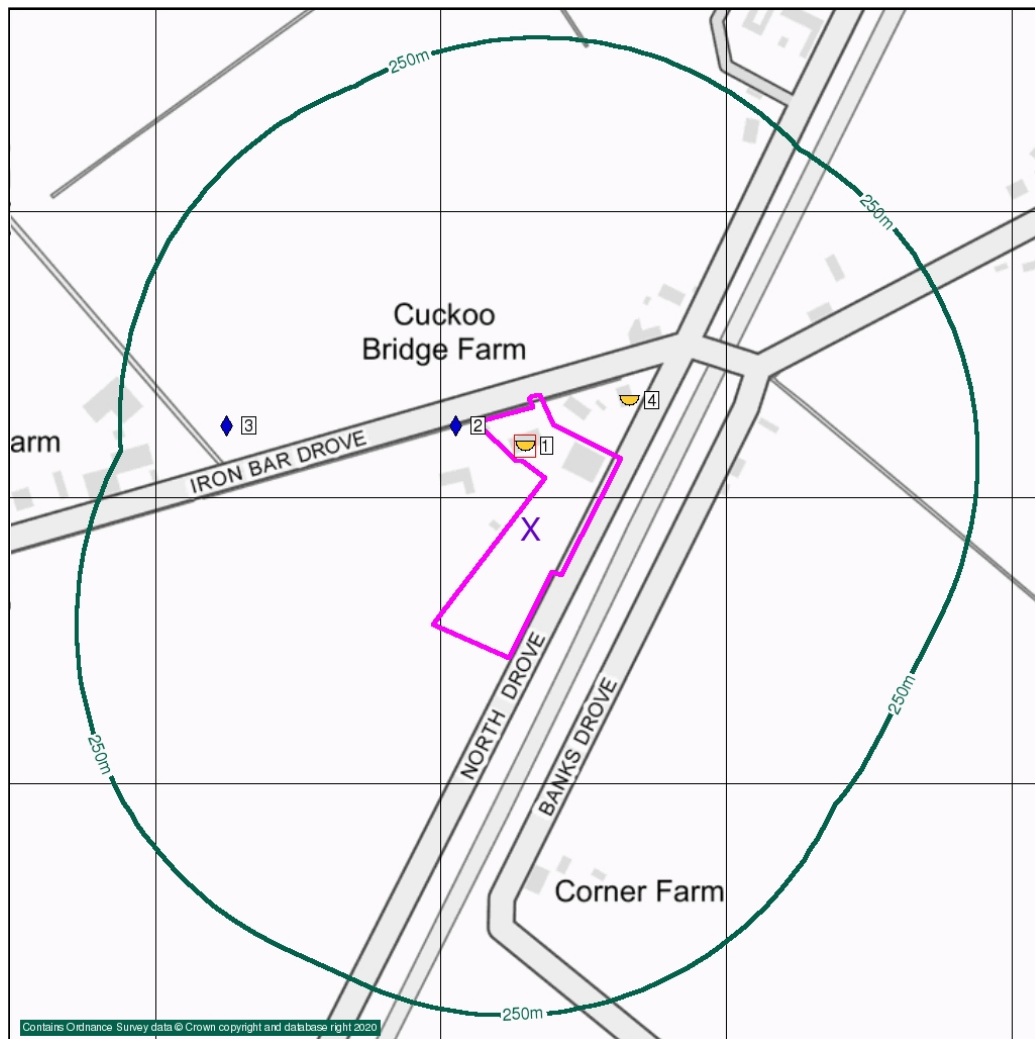
Current Land Use	On Site	0-250m
Contaminants	2	3
Potentially Contaminative Uses		
Contemporary Trade Directory Entries	2	1
Fuel Station Entries	0	0
Miscellaneous		
BGS Recorded Mineral Sites	0	0

Historical Land Use	On Site	0-250m
Contaminants	0	0
Potentially Contaminative Uses		
Historical Tanks And Energy Facilities	0	0
Potentially Contaminative Industrial Uses (Past Land Use)	0	0
Potentially Infilled Land		
Former Marshes	0	0
Potentially Infilled Land (Non-Water)	0	0
Potentially Infilled Land (Water)	0	0

Sensitivity	On Site	0-250m
Pathways and Receptors	2	4
Pathways		
Historical Flood Liabilities	0	0
Extreme Flooding from Rivers or Sea without Defences	1	0
Flooding from Rivers or Sea without Defences	1	0
Areas Benefiting from Flood Defences	0	0
Flood Water Storage Areas	0	0
Flood Defences	0	0

Sensitivity	On Site	0-250m
Pathways and Receptors	2	4
Environmentally Sensitive Receptors		
Areas of Outstanding Natural Beauty	0	0
Environmentally Sensitive Areas	0	0
Local Nature Reserves	0	0
Marine Nature Reserves	0	0
National Nature Reserves	0	0
Nearest Surface Water Feature	0	1
Ramsar Sites	0	0
Sites of Special Scientific Interest	0	0
Source Protection Zones	0	0
Special Areas of Conservation	0	0
Special Protection Areas	0	0
Water Abstractions	0	3
Protected Countryside Areas		
Forest Parks	0	0
National Parks	0	0
National Scenic Areas	0	0

Other Factors	On Site	0-250m
Geological	8	0
Brine Compensation Area	0	n/a
Coal Mining Affected Areas	0	n/a
Mining Instability	0	0
Man-Made Mining Cavities	0	0
Natural Cavities	0	0
Potential for Collapsible Ground Stability Hazards	1	0
Radon Potential - Radon Affected Areas	1	n/a
Radon Potential - Radon Protection Measures	1	n/a
Potential for Compressible Ground Stability Hazards	1	0
Potential for Ground Dissolution Stability Hazards	1	0
Potential for Landslide Ground Stability Hazards	1	0
Potential for Running Sand Ground Stability Hazards	1	0
Potential for Shrinking or Swelling Clay Ground Stability Hazards	1	0
Non Coal Mining Areas of Great Britain	0	0

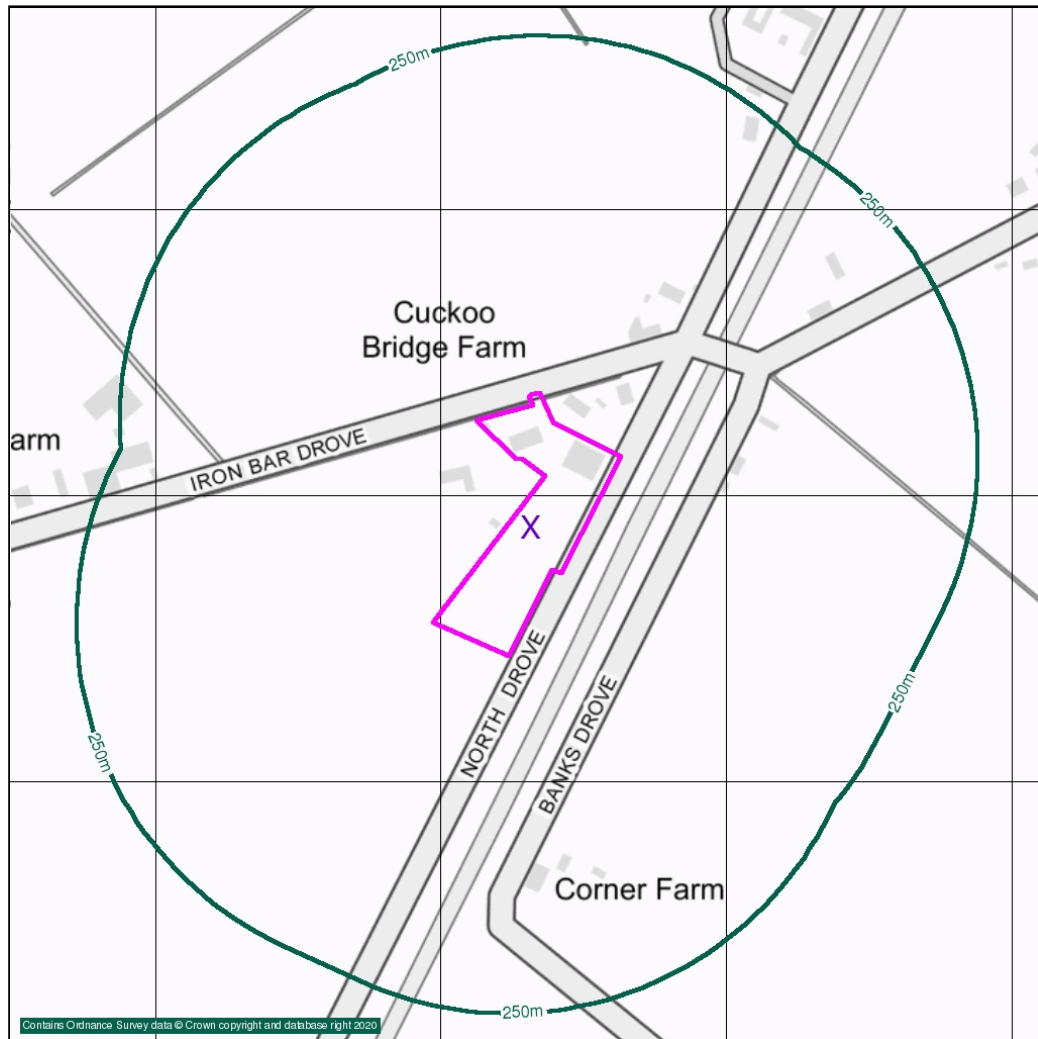


General	Waste/Landfill Sites		Contraventions	Storage Of Hazardous Substances	Statutory Authorisations
- Site Boundary - Search Buffer - Bearing Reference Point - Reference Number	- BGS Recorded Landfill Site - Licensed Waste Management Facilities (Landfill) - Local Authority Recorded Landfill Site - Registered Waste Transfer Site - Registered Waste Treatment or Disposal Site - Registered Landfill Site	- BGS Recorded Landfill Site (Point) - Licensed Waste Management Facilities (Location) - Local Authority Recorded Landfill Site (Point) - Registered Waste Transfer Site (Point) - Registered Waste Treatment or Disposal Site (Point) - Registered Landfill Site (Point) - Registered Landfill Site Potential Landfill Buffer	- Local Authority Pollution Prevention and Control Enforcement - Planning Hazardous Substance Enforcement - Prosecution Relating to Authorised Processes - Enforcement and Prohibition Notice - Substantiated Pollution Incident Register - Prosecution Relating to Controlled Waters	- COMAH - Planning Hazardous Substance Consent - Explosive Site - NHHS	- Local Authority Pollution Prevention and Control - Contaminated Land Register Entry or Notice (Point) - Contaminated Land Register Entry or Notice - Registered Radioactive Substance
Miscellaneous BGS Recorded Mineral Site				Industrial Processes - Integrated Pollution Control - Integrated Pollution Prevention Control - Integrated Pollution Control Registered Waste Site - Local Authority Integrated Pollution Prevention and Control	Discharge Consents - Discharge Consent - Water Industry Act Referral
Potentially Contaminative Use Potentially Contaminative Use					

Contaminants	Ref No.	Search Buffer	Direction
Waste / Landfill Sites			
Local Authority Landfill Coverage			
Name: South Holland District Council, - Has no landfill data to supply, Contact Ref: 4	-	On Site	W
Name: Lincolnshire County Council, - Had landfill data but passed it to the relevant environment agency, Contact Ref: 3	-	On Site	W

Discharge Consents	Ref No.	Search Buffer	Direction
Discharge Consents			
Mr J Allen, Cuckoo Bridge Farm Ironbar Drove, Spalding, Lincolnshire, Pe11 3jy, Sewage Discharge, Reference: Prmnf18317, Version: 1, Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995), Positional Accuracy: Located by supplier to within 10m, Contact ref: 1	2	0-250m	NW
W R Humphrey & Son Ltd, Glebe Farm Cuckoo Bridge, Spalding, Lincs., Pe11 3bg, Trade Discharge, Reference: Gwnlf40054, Version: 1, Status: Deemed Groundwater Regulations Authorisation, Positional Accuracy: Located by supplier to within 10m, Contact ref: 1	3	0-250m	W

Potentially Contaminative Uses	Ref No.	Search Buffer	Direction
Contemporary Trade Directory Entries			
John M Allen, Cuckoo Bridge Cross Roads, Spalding, Lincolnshire, PE11 3JY, Road Haulage Services, Status: Inactive, Positional Accuracy: Automatically positioned to the address	1	On Site	N
Allen, Cuckoo Bridge Farm, Cuckoo Bridge Cross Roads, Spalding, Lincolnshire, PE11 3JY, Road Haulage Services, Status: Inactive, Positional Accuracy: Automatically positioned to the address	1	On Site	N
Allen, Brooklands, Cuckoo Bridge Cross Roads, Spalding, Lincolnshire, PE11 3JY, Road Haulage Services, Status: Inactive, Positional Accuracy: Automatically positioned to the address	4	0-250m	NE



General	Potentially Contaminative Use	Potentially Infilled Land
Site Boundary	Point Feature	Point Feature
Search Buffer	Area Feature	Area Feature
Bearing Reference Point	Line Feature	Line Feature
Reference Number		

Map Details

The following maps have been analysed for Historical Tanks and Energy Facilities

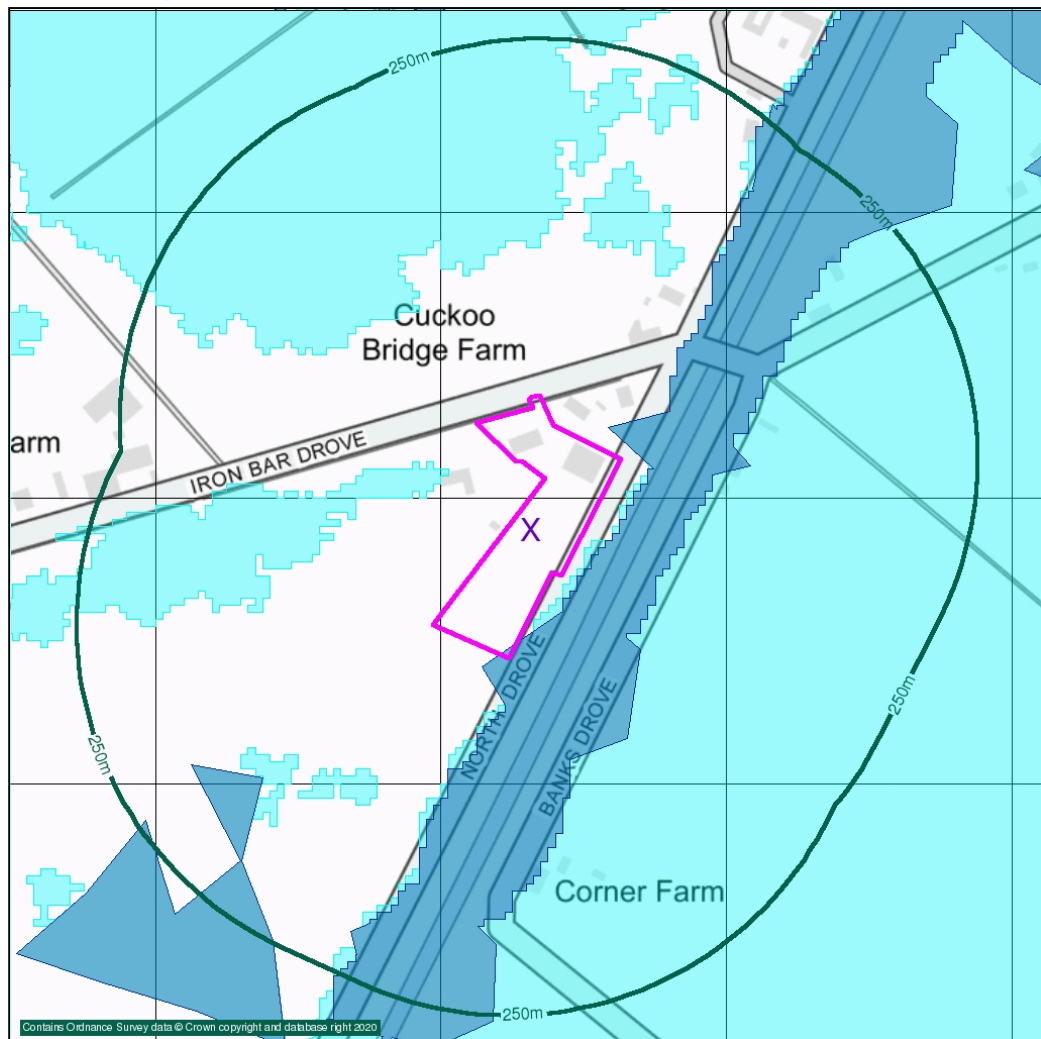
1:2,500	Mapsheet	Published
Ordnance Survey Plan	TF2020	1969

The following maps have been analysed for Potentially Contaminative Uses and Potentially Infilled Land information

1:10,000	Mapsheet	Published
Ordnance Survey Plan	TF22SW	1992

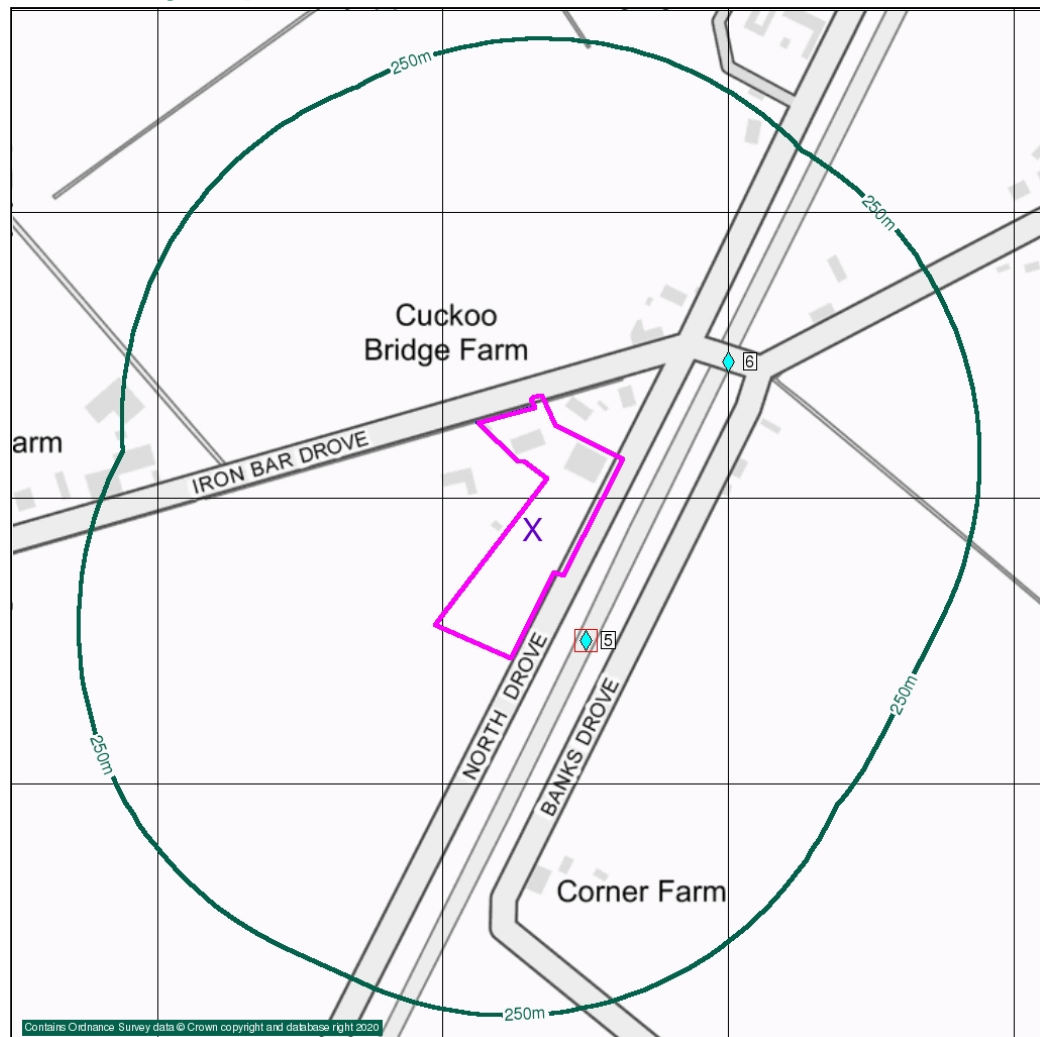
1:10,560	Mapsheet	Published
Lincolnshire	141_NE	1889
Lincolnshire	141_NE	1906
Lincolnshire	141_NE	1951
Ordnance Survey Plan	TF22SW	1959

Flood Map



General		Area of Floodplain	
Site Boundary	Areas Benefiting from Flood Defences	Extreme Flooding from Rivers or Sea without Defences (Zone 2)	
Search Buffer	Flood Water Storage Areas	Flooding from Rivers or Sea without Defences (Zone 3)	
Bearing Reference Point	Flood Defences		
Reference Number			

Sensitivity Map



General	Environmentally Sensitive Land Use	Protected Countryside Areas
- Site Boundary - Search Buffer - Bearing Reference Point - Reference Number	- Area of Outstanding Natural Beauty - Environmentally Sensitive Area - Local Nature Reserve - Marine Nature Reserve - National Nature Reserve - Ramsar Site	- Site of Special Scientific Interest - Special Area of Conservation - Special Protection Area - Nearest Surface Water Feature - Water Abstractions - Forest Park - National Park - National Scenic Area

Pathways and Receptors	Ref No.	Search Buffer	Direction
Pathways			
Extreme Flooding from Rivers or Sea without Defences			
Type: Extent of Extreme Flooding from Rivers or Sea without Defences, Flood Plain Type: Fluvial Models, Contact Ref: 1	-	On Site	E
Flooding from Rivers or Sea without Defences			
Type: Extent of Flooding from Rivers or Sea without Defences, Flood Plain Type: Fluvial Models, Contact Ref: 1	-	On Site	SE
Areas Benefiting from Flood Defences			
None	-		-
Flood Water Storage Areas			
None	-		-
Flood Defences			
None	-		-

Environmentally Sensitive Receptors	Ref No.	Search Buffer	Direction
Nearest Surface Water Feature			
Distance: 1m	-	0-250m	N
Water Abstractions			
J. Woodhead, North Drove Drain, DEEPING ST NICHOLAS, Abstractions Agricultural, Reference: 5/31/14/*s/193 ,Permit Version: Not SuppliedAuthorised Start: Not SuppliedAuthorised End: Not Supplied Positional Accuracy: Located by supplier to within 10m, Contact Ref: 1	5	0-250m	SE
E & E Whitfield, North Drove Drain, PINCHBECK, Abstractions Agricultural, Reference: 5/31/14/*s/215 ,Permit Version: Not SuppliedAuthorised Start: Not SuppliedAuthorised End: Not Supplied Positional Accuracy: Located by supplier to within 10m, Contact Ref: 1	5	0-250m	SE
E & E Whitfield, North Drove Drain, PINCHBECK, Abstractions Agricultural, Reference: 5/31/14/*s/012 ,Permit Version: Not SuppliedAuthorised Start: Not SuppliedAuthorised End: Not Supplied Positional Accuracy: Located by supplier to within 10m, Contact Ref: 1	6	0-250m	NE

Other Factors	Search Buffer	Direction
Geological		
Brine Compensation Area		
No		-
Coal Mining Affected Areas		
In an area which may not be affected by Coal Mining		-
Non Coal Mining Areas of Great Britain		
No Hazard		-
Radon Potential - Radon Affected Areas		
Affected Areas: 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, Contact Ref: 2	On Site	W
Radon Potential - Radon Protection Measures		
Radon Protection Measures: None, Source: British Geological Survey, National Geoscience Information Service, Contact Ref: 2	On Site	W
Potential for Collapsible Ground Stability Hazards		
Hazard Potential: No Hazard Contact Ref: 2	On Site	W
Potential for Compressible Ground Stability Hazards		
Hazard Potential: Moderate, Contact Ref: 2	On Site	W
Potential for Ground Dissolution Stability Hazards		
Hazard Potential: No Hazard, Contact Ref: 2	On Site	W
Potential for Landslide Ground Stability Hazards		
Hazard Potential: Very Low, Contact Ref: 2	On Site	W
Potential for Running Sand Ground Stability Hazards		
Hazard Potential: Moderate Contact Ref: 2	On Site	W
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
Hazard Potential: Low Contact Ref: 2	On Site	W

Registered Landfill Sites

At present no complete national data set exists for landfill site boundaries, therefore a point grid reference, provided by the data supplier, is used for some landfill sites. In certain cases the point grid references supplied provide only an approximate position and can vary from the site entrance to the centre of the site. Where the exact position of the site is unclear, Landmark construct either a 100 metre or 250 metre "buffer" around the point to warn of the possible presence of landfill. The size of this "buffer" relates to the positional accuracy that can be attributed to the site. The "buffer" is shown on the map as an orange cross-hatched circle and is referred to in the map legend as Potential Landfill Buffer. Where actual boundaries are available, the landfill site area is shown on the map as a red diagonal hatched polygon and referred to in the map legend as Registered Landfill Site.

Local Authority Recorded Landfill Sites

Local Authority landfill data are sourced from individual local authorities that were able to provide information on sites operating prior to the introduction of the Control of Pollution Act (COPA) in 1974. Appropriate authorities are listed under Local Authority Landfill Coverage with an indication of whether or not they were able to make landfill data available. Details of any records identified are disclosed. You should be aware that if the local authority 'Had landfill data but passed it to the relevant environment agency' it does not necessarily mean that local authority landfill data is included in our other Landfill datasets. In addition if no data has been made available, for all or part of the search area, you should be aware that a negative response under 'Local Authority Recorded Landfill Sites' does not necessarily confirm that no local authority landfills exist.

Flooding

The Sitecheck report flood map plots all flood related features revealed within the search area as supplied by the relevant environment agency. However, to avoid confusion, the text entry in the body of the report only reveals the detail of the nearest feature in each flood data set. This is also reflected in the summary table where only a single entry is included to indicate the search buffer of the nearest occurrence.

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The Sitecheck Data User guide is available free of charge from our website www.sitecheck.co.uk

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Contact Names and Addresses

1 Environment Agency National Customer Contact Centre (NCCC)

PO Box 544
Templeborough
Rotherham
S60 1BY

Telephone 03708 506 506

enquiries@environment-agency.gov.uk

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

2 British Geological Survey Enquiry Service

British Geological Survey
Environmental Science Centre
Keyworth
Nottingham
Nottinghamshire
NG12 5GG

Telephone 0115 936 3143
Fax 0115 936 3276

enquiries@bgs.ac.uk
www.bgs.ac.uk

3 Lincolnshire County Council

4th Floor
City Hall
Lincoln
Lincolnshire
LN1 1DN

Telephone 01522 552222
Fax 01522 552288

PublicRelations@lincolnshire.gov.uk
www.lincolnshire.gov.uk

4 South Holland District Council Environmental Services

Council Offices
Priory Road
Spalding
Lincolnshire
PE11 2XE

www.sholland.gov.uk

Other Contacts

Landmark Information Group Limited

Legal and Financial
Imperium
Imperial Way
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Consumer Protection

Important Consumer Protection Information

This search has been produced by Landmark Information Group Ltd, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD

Tel: 0844 844 9966

Fax: 0844 844 9980

Email: helpdesk@landmark.co.uk

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- The standards can be seen here: www.conveyinfoexec.com

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If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Standards.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPO.

TPOs Contact Details:

The Property Ombudsman Scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire
SP1 2BP

Tel: 01722 333306

Fax: 01722 332296

Website: www.tpos.co.uk

Email: admin@tpos.co.uk

Consumer Protection

Landmark Complaints Procedure

If you want to make a complaint to Landmark, we will:

- Acknowledge it within 5 working days of its receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to:

Customer Relationships Manager
Landmark Information
Imperium
Imperial Way
Reading
RG2 0TD

Tel: 0844 844 9966
Email: helpdesk@landmark.co.uk
Fax: 0844 844 9980

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman Scheme (TPOs):

Tel: 01722 333306
Email: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

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