

**SITE CONDITION REPORT FOR Ultimate
Demolition and Construction Service Limited -
The Old Bottle Yard, Great Northern Terrace,
Lincoln, LN5 8HN - EAWML 120515 -
EPRWE3418AB**

1.0 SITE DETAILS	
Name of the applicant	Ultimate Demolition and Construction Service Limited
Activity address	Ultimate Demolition and Construction Service Limited - The Old Bottle Yard, Great Northern Terrace, Lincoln, LN5 8HN
National grid reference	SK 98837 70878

Document reference and dates for Site Condition Report at permit application and surrender.	V1
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Document references for site plans (including location and boundaries)	Proposed Permitted Area within application documents
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Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.*
- Locations of receptors, sources of emissions/releases, and monitoring points.*
- Site drainage.*
- Site surfacing.*

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	Ultimate Demolition and Construction Service Limited - The Old Bottle Yard, Great Northern Terrace, Lincoln, LN5 8HN
Pollution history including: <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures 	Pollution incidents that may have affected land – No known from previous history historical land-uses and associated contaminants – the site has been used as a general industrial site with mixed uses. No visual evidence of pollution on the floor.
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	No evidence has been provided to the client from the landlords of the property
Baseline soil and groundwater reference data	Not available
Supporting information	<ul style="list-style-type: none"> • Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation / assessment / remediation / verification reports • Baseline soil and groundwater reference data

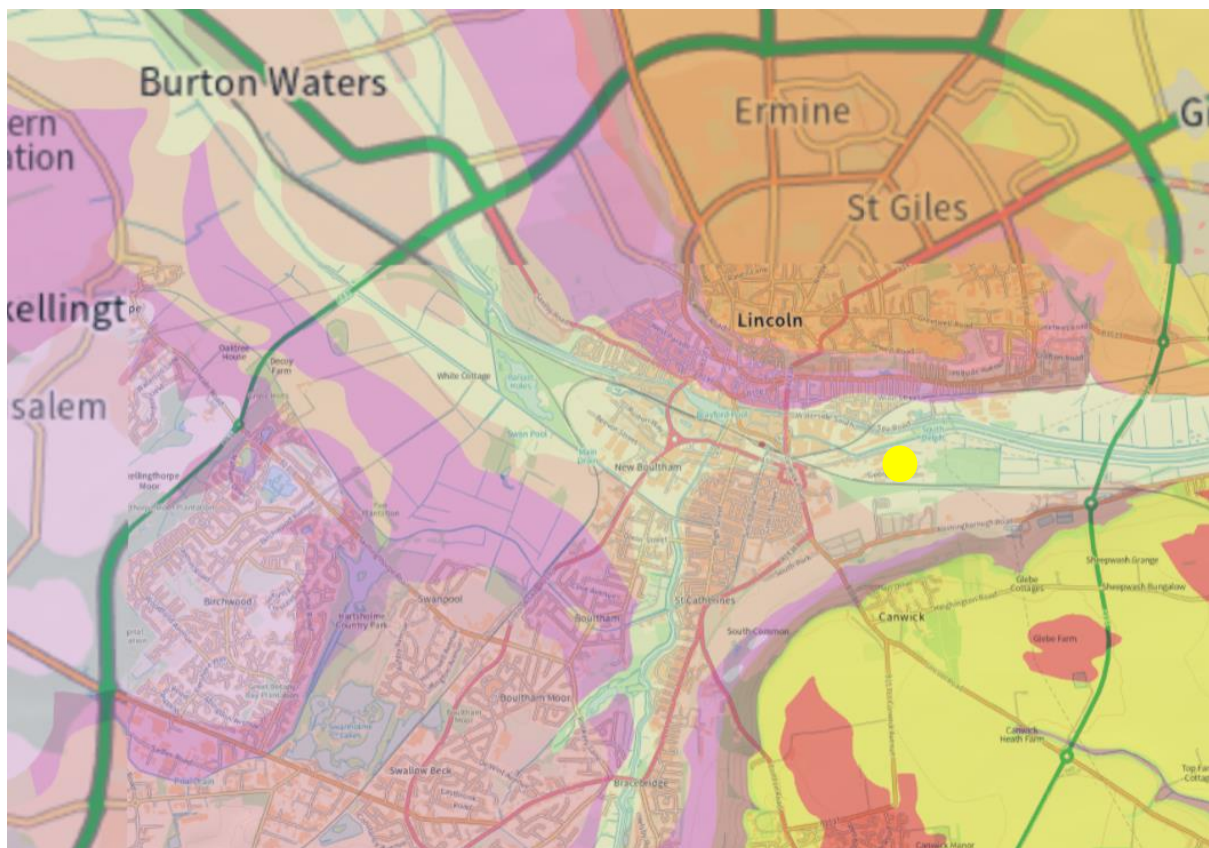
Environmental setting including:

- geology
- hydrogeology
- surface waters

Geology

Bedrock - Charmouth Mudstone Formation - Mudstone. Sedimentary bedrock formed between 199.3 and 182.7 million years ago during the Jurassic period.

Superficial Deposits - Alluvium - Clay, silt, sand and gravel. Sedimentary superficial deposit formed between 11.8 thousand years ago and the present during the Quaternary period.



Surface Waters

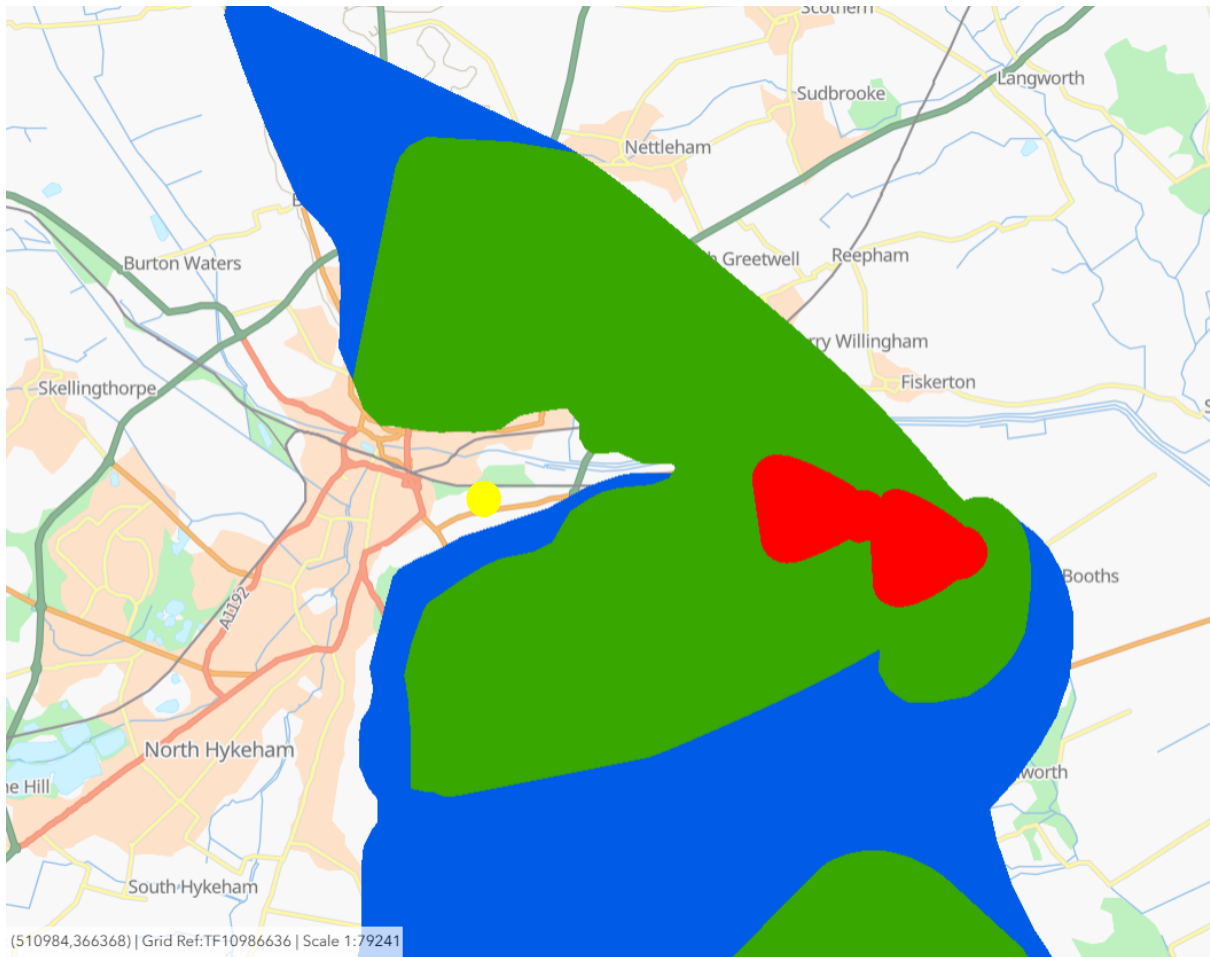
River catchment taken from Environment Agency catchment Data Explorer Site –

The site sits within the Witham – confluence Catchwater Drain to conf Bain Water Body catchment as shown by the Environment Agency Catchment tool.



Hydrology

The proposed site is not located within the total catchment source protection zone.



Records from the British Geological Society's (BGS) provided the following information taken from local vicinity –

Job Number: 25928						Site: Great Northern Terrace							Borehole.: BH1	Sheet 1 of 3									
Remarks :						Location: See Plan				Diameter of Hole: 150mm			Instrumentation: Slotted pipe installed. See diagram 3 for details										
						Client: Waste Management				Casing Diameter: 150mm													
						Drilling Method: Dando 150				Logged By: MRC			Log Scale: 5 m/page			Ground Level: - m AOD							
Date (YYYY)	Depth of Casing (m)	Depth of Water (m)	No	Type	Depth (m)	Change of Strata			Description of Strata	Penetration Test Results	NMC %	LL %	PL %	PI %	CBR %	Density Bulk mg/m ³	Dry Density Mg/m ³	Cu kPa	Shear Strength Cu*	Type of Shear Test	SO ₄ g/l	pH	Other Tests
03/12							Depth below GL (m)	Reduced Level m AOD (m)	Thickness of Stratum (m)														
			001	D	0.50-1.00		0.05	0.15	0.05	CONCRETE													
										HARDCORE													
			002	D	1.00-1.45		1.00		0.85	MADE GROUND consisting of firm, brown, very sandy gravelly clay with very weathered brick rubble and ash.													
			003	D	2.00-2.45		2.00		1.00	MADE GROUND consisting of orangey brown, very clayey gravelly sand with weathered brick rubble.													
			004	D	3.00-3.45		2.70		0.70	MADE GROUND consisting of soft, dark brown, slightly sandy gravelly clay with organic and inorganic matter including pottery fragments.													
			005	D	4.00-4.45		2.70		0.80	MADE GROUND consisting of soft to firm, dark brown, very sandy clay with ash and slag gravel.													
			006	W	3.50		3.50		1.30	Medium dense, red brown, silty fine grained SAND with occasional fine to medium gravels of chert and quartz. (Al)													
			007	D	4.00-4.45		4.80																
										Continued next sheet													

Scale: Disturbed Samples U100 105mm Diameter Standard Penetration Test S Blows N 28/150 28"
 W Water Sample L Small Bag U38 U100 PS U100 Groundwater: J Jar R River Water V Struck V Rose to

Type of Shear Test: I Shear/Vane SV Shear Box TX Triaxial (Undrained) CU Undrained Cohesive Strength du Internal Friction Angle

Notes: See appended "Notes on Sample Descriptions and Symbols"



LINCS LABORATORY
Telephone (01522) 530555
Fax (01522) 510573

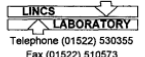
Job Number: 25928				Site: Great Northern Terrace				Borehole: BH1				Sheet 2 of 3											
Remarks :				Location: See Plan		Diameter of Hole: 150mm		Instrumentation: Slotted pipe installed. See diagram 3 for details															
				Client: Waste Management		Casing Diameter: 150mm																	
				Drilling Method: Dando 150		Logged By: MRC		Log Scale: 5 m/page		Ground Level: -		m AOD											
Sample/Test				Change of Strata			Description of Strata				Penetration Test Results		Atterberg Limits		Density		Shear Strength		Chemical		Other		
Date (2003)	Depth of Casing (m)	Depth of Water (m)	No	Type	Depth (m)	Legend	Depth below G.L. (m)	Reduced Level (m AOD) (m)	Thickness of Stratum (m)		NMC %	LL %	PL %	PI %	CBR %	Bulk mg/m ³	Dry mg/m ³	Cu kPa	Øu ¹	Type of Shear Test	SO ₄ g/l	pH	Test
			006	D	5.00-5.45					Medium dense, red brown speckled black, very silty fine grained SAND. (A)	N=13												
			007	D	6.00-6.45		6.00			Medium dense, red brown, slightly silty, fine grained SAND. (A)	N=14												
			008	D	7.00-7.45		7.00			Dense, orange brown, silty very gravelly (fine to medium, sub-angular to sub-rounded) SAND. (A)	N=29												
			009	D	7.50-7.60		7.50 7.60			Stiff, brown SILT. (A)													
			010	D	8.00-8.45					Dense, orange brown, slightly silty, very gravelly (fine to coarse, sub-rounded) SAND. (A)	N=37												
			011	D	9.00-9.45						N=35												
Continued next sheet																							

Scale				Notes			
Disturbed Samples W Water Sample D Small Bag B Large Bag T Tub J Jar, R River Water				Undisturbed Samples U100 100mm Diameter U38 U100 PS U100 Groundwater: W Stock W Rose to			
Penetration Test S Standard Penetration Test C Cone Penetration Test Blows N = N Value 20/150 20"				Type of Shear Test V Shear Vane SB Shear Box TX Triaxial (Undrained) Cu Undrained Cohesive Strength Internal Friction Angle			

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LABORATORY	
Telephone (01522) 530355	
Fax (01522) 510573	

Job Number: 25928				Site: Great Northern Terrace				Borehole: BH1				Sheet 3 of 3			
Remarks :				Location: See Plan				Diameter of Hole: 150mm				Instrumentation: Slotted pipe installed. See diagram 3 for details			
				Client: Waste Management				Casing Diameter: 150mm							
				Drilling Method: Dando 150				Logged By: MRC				Log Scale: 5 m/page			
								Ground Level: - m AOD							

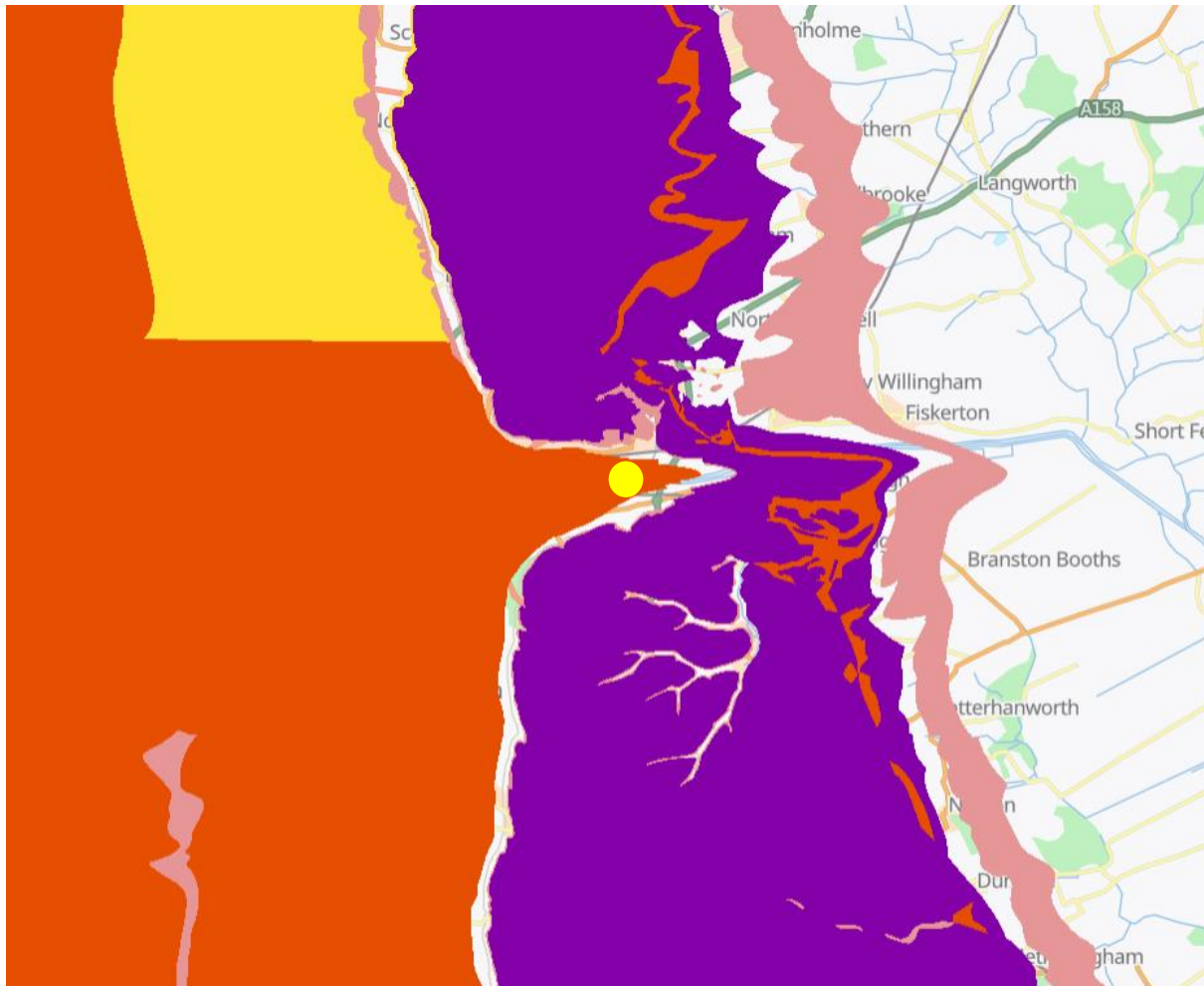
Date (2003)	Depth of Casing (m)	Depth of Water (m)	Sample/Test		Change of Strata			Description of Strata	Penetration Test Results	Atterberg Limits				Density		Shear Strength		Chemical		Other Tests	
			No	Type	Depth (m)	Legend	Depth below GL (m)			Reduced Level m AOD (m)	Thickness of Stratum (m)	NMC %	LL %	PL %	PI %	CBR %	Bulk mgm ³	Dry Mg/m ³	Cu kPa		Øu°
			012	D	10.00-10.45		4.00	Dense, orange brown, slightly silty, very gravelly (fine to coarse, sub-rounded) SAND. (AI)	N=38												
			013	D	11.00-11.45					N=43											
			014	D	12.00-12.45					N=46											
			015	D	12.50-12.95					N=56											
							12.50	Very stiff, blue grey CLAY. (LLI)													
							13.00	End of Borehole at 13.00 m													

Scale as Shown	Disturbed Samples W Water Sample D Small Bag B Large Bag T Tub J Jar R River Water	Undisturbed Samples U100 105mm Diameter U38 U100 PS U100 Groundwater: ▼ Struck ▼ Rose to	Penetration Test S Standard Penetration Test C Cone Penetration Test Blows N = N Value 25/150 blows for 150mm after seating 25° blows for part or whole of seating drive only Undisturbed Sample Blows	Type of Shear Test V Shear Vane SB Shear Box TX Triaxial (Undrained) Cu Undrained Cohesive Strength Øu° Internal Friction Angle	Notes See appended "Notes on Sample Descriptions and Symbols"	 <p>LINCS LABORATORY Telephone (01522) 530355 Fax (01522) 510573</p>
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Boreholes show that the area has layers made ground over sands, consistent with the sites previous industrial uses.

Secondary (B) aquifer - Source Magic Map

The site is located within a Principal Aquifer.



Pollution history including:

The site was previously used for commercial and manufacturing purposes.

Local Permitted Activities

There are five permitted activities within a kilometre of the site.

Name	Address	Site type	Permit Number	Distance (km)
ULTIMATE DEMOLITION AND CONSTRUCTION SERVICE LIMITED	The Old Bottle Yard, Great Northern Terrace, Lincoln, LN5 8HN	SR2022 No 1: Non-hazardous waste physical treatment facility	WE3418AB	0.1
LINCOLNSHIRE COUNTY COUNCIL	97, Great Northern Terrace, Lincoln, Lincolnshire, LN5 8HJ	A13: Household waste amenity site taking hazardous waste	GP3998NR	0.1
Unimetals Recycling (UK) Limited	Sims Group U K Ltd, George Street, Lincoln, Lincolnshire, LN5 8LG	A20: Metal Recycling Site (MRS) (mixed)	KP3592NL	0.2
CITY SCRAP LIMITED	Plot 7, Dale Street, Great Northern Terrace, Lincoln, Lincolnshire, LN5 8LL	A20: Metal Recycling Site (MRS) (mixed)	HB3839RN	0.3
BIFFA ENVIRONMENTAL MUNICIPAL SERVICES LIMITED	Lincoln Central Depot, Stamp End, Waterside South, Lincoln, Lincolnshire, LN5 7JD	A15: Materials Recycling Facility	YP3694NQ	0.6
ANGLIAN WATER SERVICES LIMITED	Washingborough Road, Canwick, Lincoln, Lincolnshire, LN4 1EF	A05: Landfill taking Non-Biodegradable Wastes	LP3298NH	0.9

Any visual/olfactory evidence of existing contamination

The permitted area is laid to hardstanding.

There is no visual/olfactory evidence of existing contamination.

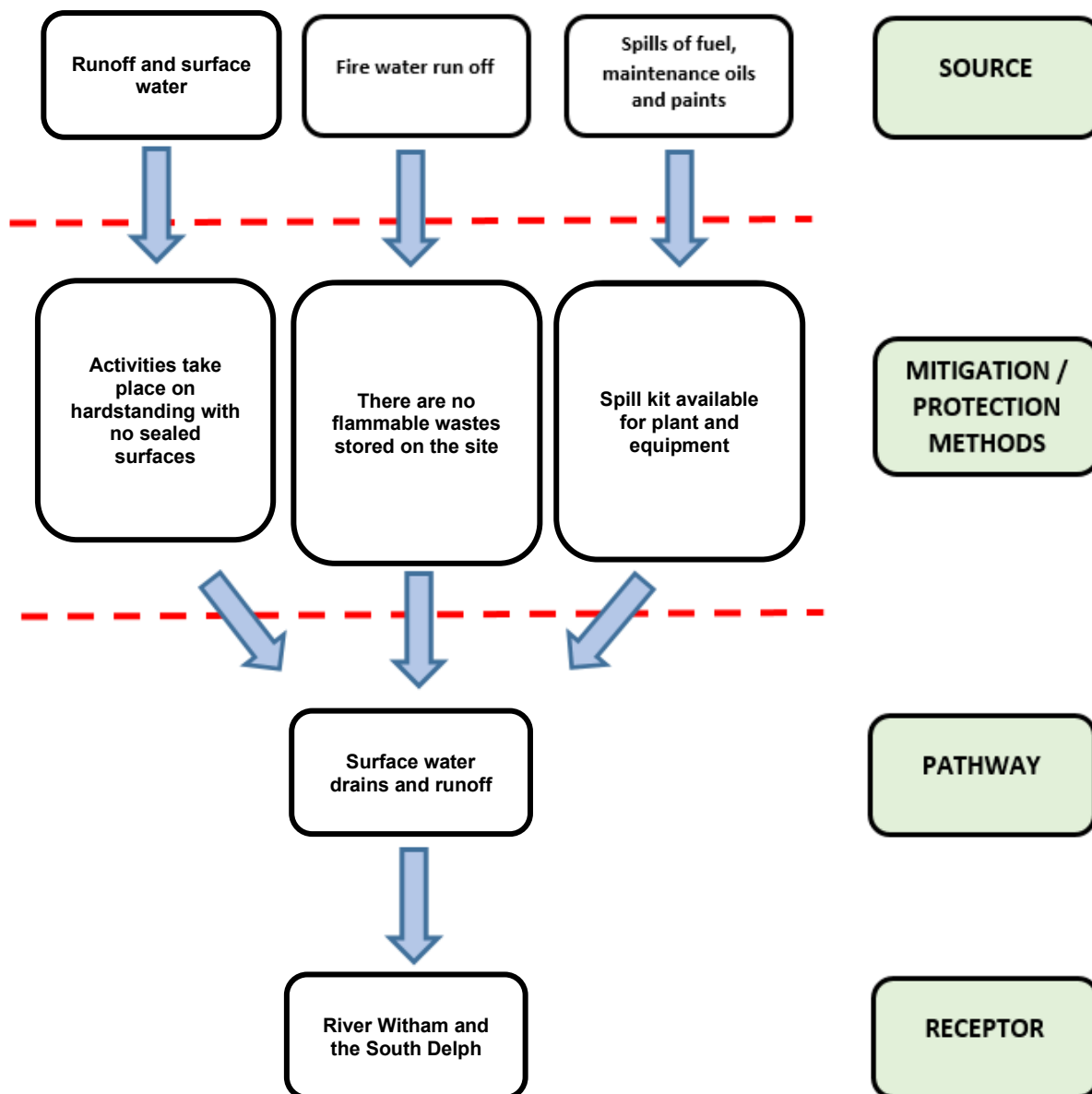
Evidence of damage to pollution prevention measures

There is no evidence of damage.

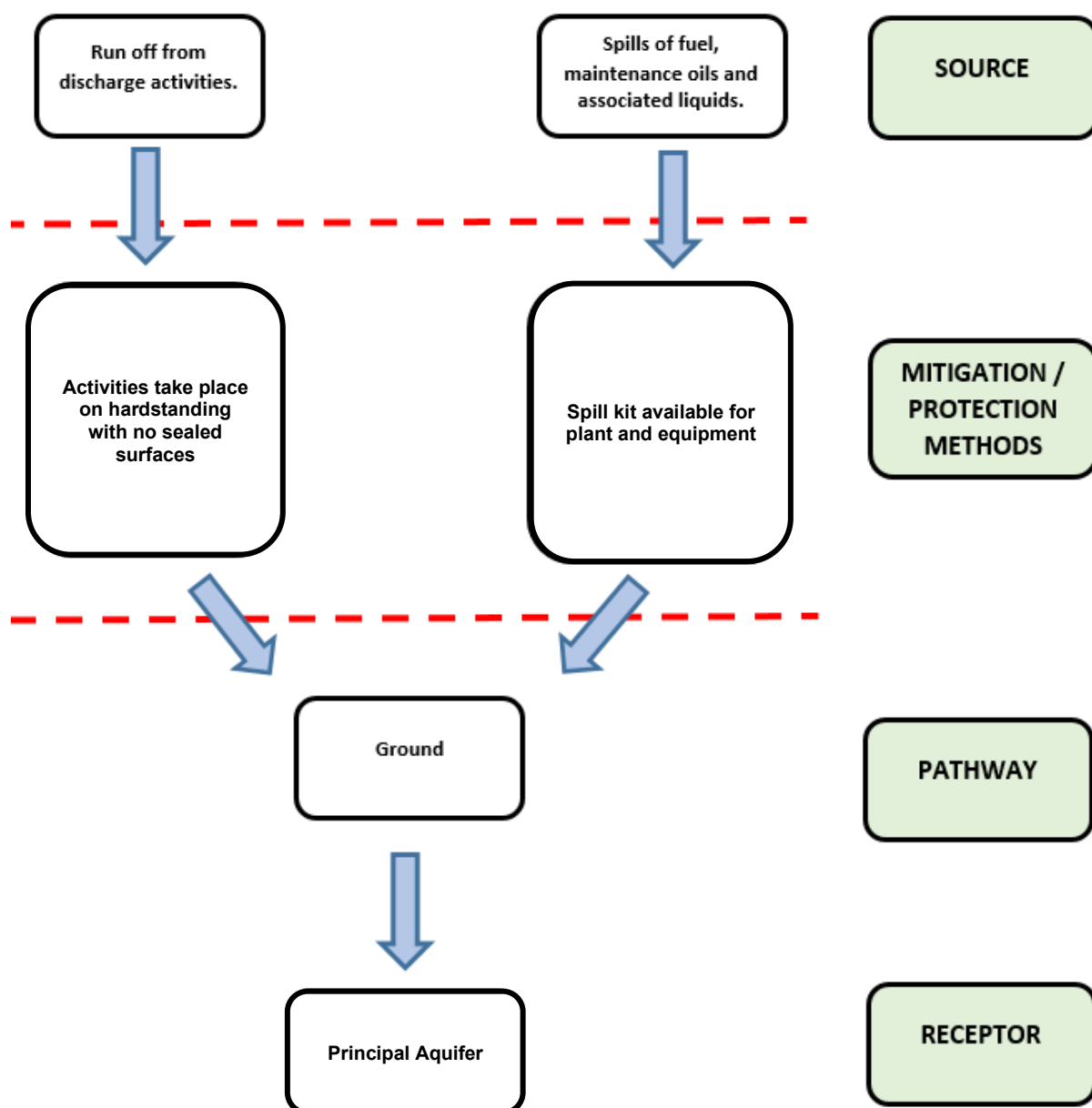
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)

The following is known about sites history. Prior to the area being developed as a an industrial estate there were historical manufacturing activities.

Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Surface Water – River Witham and the South Delph



Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Ground Water – Primary Aquifer



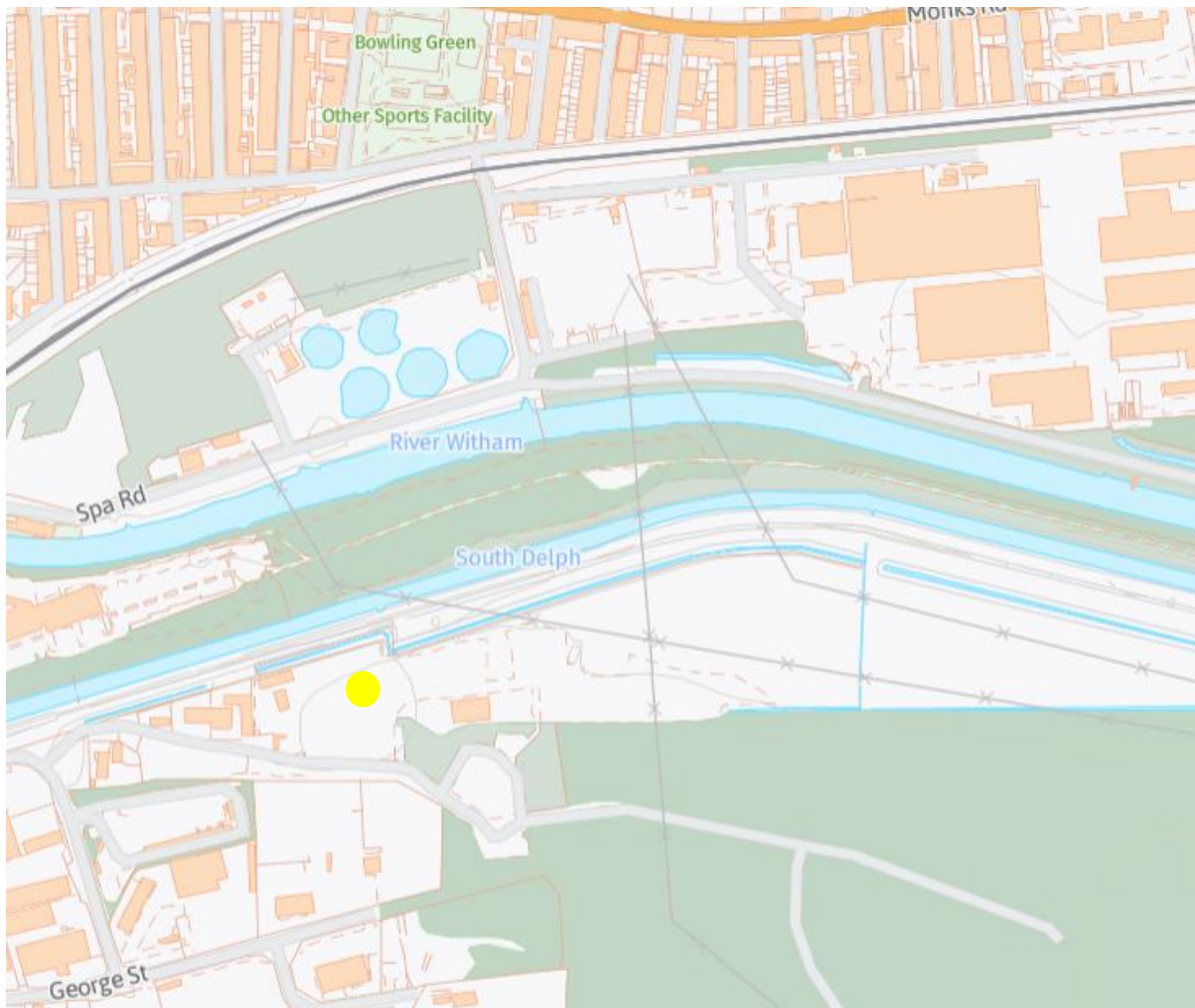
Description of nearby surface water features/watercourses and the potential risks

The site is located within the Rivers Witham catchment and adjacent to the site is the South Delph.

Drains – The whole site is laid to hard standing at present.

As a result the site devoid of surface water and foul sewers.

Site location in proximity to the River Witham and South Delph



3.0 Permitted activities	
Permitted activities	Transfer, treatment and storage of non-hazardous soils, aggregates and for recovery via crushing, screening and hand sorting.
Non-permitted activities undertaken	Related activities to serve the waste management activity including – <ul style="list-style-type: none"> - Office - Maintenance of plant and equipment - Plant and equipment storage
Document references for: <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	Site plan UDCSL 7 - Sites Layout Plan and UDCSL 8 - Site Drainage Plan

Permitted activities

Transfer, treatment and storage of non-hazardous soils and aggregates for the recovering via crushing, screening and manual sorting.

Non-permitted activities undertaken

The site has a small office, small plant workshop and plant and equipment storage.

There is also the storage facility for hand tools, power tools, welding equipment and COSHH items within a COSHH cabinet.