



Fire Prevention Plan

CNC Recycling Limited

**Unit 104-105
Greythorpe Industrial Estate
Hartlepool
TS25 2DF**



Olive Compliance Ltd

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DRAWINGS

Drawing 003 Site Layout Plan

Drawing 004 Site Receptor Plan

APPENDICIES

Annex 1 – Emergency Action Plan

Annex 2 – Supporting Forms

CNC Recycling Ltd

Site Contacts and Emergency Information

Site Address:	Unit 104-105 Greythorp Industrial Estate, Hartlepool, TS25 2DF.		
Site Operator:	CNC Recycling Ltd	National Grid Ref:	NZ 51710 27472
Contact	Description	Office Hours	Out of Hours
TBC	Site Manager		
Hospital James Cook	Local NHS Hospital (Main)	01642 850850	999
Police	Police Emergency	999	999
Fire Station	Fire and Rescue Service (in Emergency Dial 999)	01429 872311	999
Environment Agency	Environmental Regulator	0800 80 70 60	0800 80 70 60
Hartlepool Council	General Enquiries	01429266522	N/A
Northern Powergrid	Electricity Provider	0800 011 3332	/
Northumbrian Water	Local Water Supplier / Sewerage Provider	0345 733 5566	/
	Gas Company	NO GAS ON SITE	/
Wastewater Contractor	Total Recycling Ltd	0191 262 0800	/
External Security Provider	TBC		

Introduction

CNC Recycling Ltd has instructed Olive Compliance Ltd (OLIVE) to prepare an application for a Bespoke Environmental Permit Application under the Environmental Permitting (England and Wales) Regulations 2016.

This plan is designed specifically around site activities. Site operations will primarily be the acceptance, treatment and storage of UPVC window frames for recycling and recovery purposes.

CNC are a well-established facility for the recycling of plastic wastes arising from industrial, manufacturing commercial and household sources. Plastic is accepted, treated in the form of shredding and granulation then used in the manufacture of new UPVC products.

This document is primarily to document the onsite control measures in place to reduce the risk of fire occurring and manage the risk of fire should it occur and any resulting environmental impacts.

Fire Prevention Plan

This FPP has been prepared in order to mirror the contents of the EA guidance for FPP to allow for ease of assessment and for users of this document to readily locate the specific information and on-site provisions relating to each particular topic.

Fire Prevention Objectives

This FPP identifies measures to be employed to reduce the likelihood of fires at the site. In addition, the plan identifies measures to be employed in the event of a fire in order to limit the damage caused to the environment or human health.

As such, and in accordance with EA guidance, the objectives of this FPP are to:

- minimise the likelihood of a fire happening
- aim for a fire to be extinguished within 4 hours
- minimise the spread of fire within the site and to neighbouring sites

Exclusions

The EA guidance for FPP states that the guidance does not apply to:

- hazardous wastes
- dangerous substances (i.e. those under Control of Major Accident Hazard Regulations)
- combustible liquids

Types of Combustible Wastes

Within the site management system the below combustible waste types are received on the site are:

- Plastics (UPVC)
- Rubber (ancillary waste attached to window frames)

Section 9 of this document details the associated storage arrangements.

Details of other combustible, non-waste materials on site are detailed within Section 7.10 and their locations are added to the site plan (Drawing 003).

Use of this document

This FPP forms part of the environmental management system for the site. It is prepared for use as a standalone document, such that all staff can easily refer to any information or operational requirements that relate to the prevention of fire or the procedures that are in place in the event of a fire.

The existence and location of the FPP is notified to all staff and will be readily accessible, in both hard and electronic copy, at all times, including during an incident. The plan and associated emergency contacts and site plan are stored in the site weighbridge/office (Emergency Pack).

All visitors and contractors to site will be given a Site Induction and a copy of the Site Rules which they will sign to confirm their understanding. The Site Induction will ensure that visitors and contractors know what they must do to prevent a fire occurring and what to do during a fire if one breaks out. The locations of the Emergency Pack will also be confirmed.

Training

All staff will be trained on the contents and requirements of the FPP (suitable to their role) and site inductions will include a summary of the FPP and notices of its location. A record of any training including any refresher or Toolbox talk will be recorded and signed off by all staff.

All staff are provided with information and training on fire prevention, protection requirements and action to be taken in the event of fire. New members of staff are given information or training on:

Procedures and their personal responsibilities to prevent and protect against outbreaks of fire.

- What action to take if they discover a fire;
- How to raise the alarm, the location of manual call points, and the procedure for contacting the Fire and Rescue Service and the EA;
- What action to take immediately on hearing the fire alarm;
- The location and safe use of portable or other fire extinguishing equipment;
- The location of escape routes from their place of work including those routes not used regularly for normal access and egress;
- Their responsibility to direct or escort visitors and contractors in their charge to escape routes (and in the case of disabled persons to the nearest useable escape route or refuge);
- The importance of keeping closed all fire doors to limit the spread of fire, heat or smoke;
- How to safely isolate or shutdown plant or equipment, where appropriate;
- The importance of good housekeeping in preventing the outbreak of fire and limiting its effects.
- Fire safety and emergency information for visitors and contractors will be provided at reception where they are required to sign-in.

Document Testing and Review

Quarterly exercises will be carried out to test how well the fire prevention plan works.

Exercises will be planned to test specific aspects of the fire prevention plan throughout the year to ensure effectiveness.

Such tests may take the form of physical drills or desk-based assessments as relevant to the element of this FPP that is under test. The nature of each test, the results, and appropriate actions (including where no action is required) will be maintained for inspection by the EA, on request.

This fire prevention plan will be kept under regular review with monthly external audits conducted on fire prevention measures on site and review of compliance with this document.

This document will be revised if where necessary for example if:

- there is reason to suspect it no longer meets the objectives of the guidance
- the site has had a fire or identify a near miss of a fire
- changes in site activities
- the environment the site operates in changes, for example if a school or residential development is built nearby
- The EA ask the company to revise it due to some concern over the risk posed by site operations

Any revised document will be sent to the EA for approval.

The Site

Site Activities

Waste management activities at the site will be authorised by the Environmental Permit. The site will operate a non-hazardous waste facility, accepting, sorting, storing and treating UPVC wastes. Waste will be treated in the form of shredding or subject to granulation.

The permit will allow the site to carry out the below activities by varying the permit to allow the acceptance of HCl wastes (as defined under Annex II of the Waste Framework Directive can be summarised below).

- D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)
- R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
- R4: Recycling/reclamation of metals and metal compounds
- R5: Recycling/reclamation of other inorganic materials
- R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)

The annual permitted tonnage will be 74,999 tonnes.

Site Plans

Site Layout

The site layout, in respect of fire prevention, is shown on Drawings 003 (Site layout). This layout highlights the following;

- the layout of buildings
- all permanent ignition sources on site and show they are a minimum of 6m away from combustible and flammable waste
- any areas where the operator is treating or storing combustible waste or combustible non-waste material
- all separation distances
- access points around the site perimeter to assist firefighting
- hydrants and water supplies
- areas of natural and unmade ground
- storage areas with pile dimensions and fire walls, including wastes stored in a building or containers
- the location of fixed plant and mobile plant when not in use
- the location of spill kits
- the quarantine areas

Operational Hours

The site operates according to the hours stated below;

- Monday to Friday 07:00 – 17:00 hrs
- Saturday 07:00 -13:00 hrs
- Sunday/Bank/Public Holiday Closed

Site Location and Receptors

- The site is located at Unit 104-105 Greythorp Industrial Estate, Hartlepool, TS25 2DF.

FPP guidance states that consideration must be given to sensitive receptors such as;

- schools, hospitals, nursing and care homes, residential areas, workplaces
- protected habitats, watercourses, groundwater, boreholes, wells and springs supplying water for human consumption.
- roads, railways, bus stations, pylons (on or immediately adjacent to the site only), utilities, airport

Site Location

The site located within an industrial area off the A1 (See below image and Table 1).

Image 1 - Site Setting



Table 1 – Site Setting

Boundary	Description
North	Industrial / Commercial
West	Industrial / Commercial
South	Industrial / Commercial
East	Industrial / Commercial

Site Receptors

The closest residential receptor, residential housing is located approximately 2km to the southeast of the site. Sensitive receptors identified within this document are shown on Drawing 004.

Other receptors

None of the following receptors have been identified within 1km of the proposed permit boundary.

- National Nature Reserves;
- World Heritage Sites;
- Registered Parks and Gardens;
- Area of Outstanding Natural Beauty;
- Woodland Trust Sites; and
- National Forest.

European/International Sites

Searches on the Multi Agency Geographical Information for the Countryside (MAGIC)¹ website confirm there are the below sensitive receptors within 1km of the site.

- 1 Sites of Special Scientific Interest (SSSI)
- 1 Special Area of Conservation (SAC)
- 1 RAMSAR site
- 1 Local Nature Reserve (LWS)

A protected species the European Water Vole is shown as being located up to 500m of the site.

Table 2 below details the sensitive receptors, distance from the site and contact details.

¹ www.magic.gov.uk accessed June 2023

Table 2 – Sensitive Receptors

Receptor	Distance	Receptor Assessment
Hartlepool power station cricket club	987m	Staff to contact via telephone to advise any occupiers to close windows and doors. Await further instruction from Emergency Services.
Hartlepool Power plant	999m	Staff to contact via telephone to advise any occupiers to close windows and doors. Await further instruction from Emergency Services.
Tees Road	177m	Staff to contact via telephone to advise to await further instruction from Emergency Services.
Venator Chemical plant	686m	Staff to contact via telephone to advise to await further instruction from Emergency Services.
Special Protection Area (pSPA or SPA) Teemouth and Cleveland Coast	1000m	Await further instruction from Emergency Services.
Ramsar Teemouth and Cleveland Coast	1000m	Await further instruction from Emergency Services.
Teemouth and Cleveland Coast Sites of Special Scientific Interest (SSSI)	1000m	Await further instruction from Emergency Services.
Local Wildlife Sites (LWS) Brenda Road Sewage Works	1000m	Await further instruction from Emergency Services.

Major Roads and Transport Links

The site is accessed by Tees Road , the access via Greythorp Industrial Estate.

There are no public rail links within 1km of the site boundary.

Water courses

An unnamed tributary is located approximately 100 meters north of the site.

The site is within 1km of the Teesmouth and Cleveland Coast.

Flood Risk

Checks made on the Environment Agency Flood risk tool (<https://check-long-term-flood-risk.service.gov.uk/>) has identified that the site is in an area that is of very low risk of flooding.

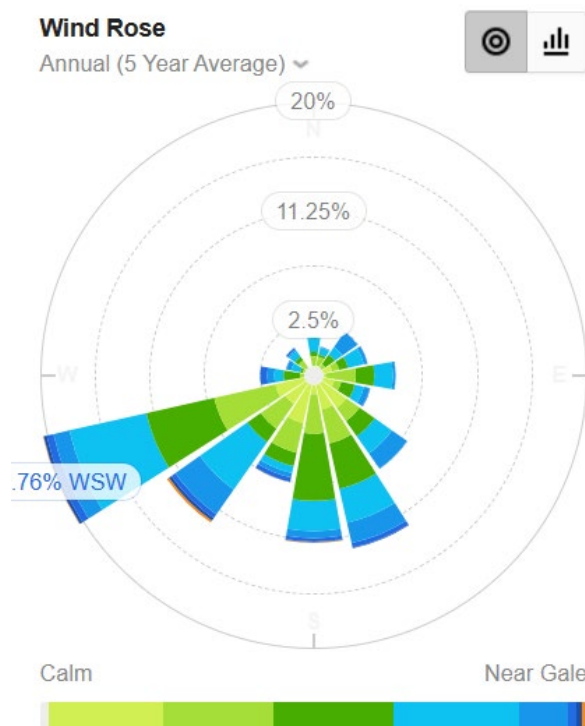
Prevailing Wind Direction

Using the Willy Weather application, meteorological forecast information is available for over 45000 British locations. The available data includes Met Office weather radar, satellite images and synoptic charts. The application also provides current conditions and warnings.

Upon review of historic wind data, the prevailing wind directions are predominately west south westerly in respect of the site.

Given the prevailing wind, the receptors that could principally be affected by fire at the site would be the rural areas and a small number of industrial areas situated directly to the east north easterly of the site.

Image 1 – Wind Direction Average 5 year data - Seaton on Tees Channel Wind Statistics



Live data can be accessed at any time using the Windfinder App (<https://www.windfinder.com>) using the postcode of the site and nearest weather station, to make an assessment of current weather conditions, wind direction and speed. This can assist in the event of a fire on site in order to assess impact on local receptors and to make contact with authorities and appropriate persons.

Weather monitoring is assessed throughout the day and formally recorded daily, as part of the daily site checks.

Managing Common Causes of Fire

Arson/Security

The site has a number of security measures in place to limit the likelihood of arson or vandalism listed below.

- 2.4m palisade security fencing;
- Lockable site palisade entrance gates (2.4m);
- CCTV cameras;
- Inspection and maintenance procedures;
- Visitor sign in system; and
- Remote out of hours monitoring.

Access to the site is via one entrance/exit. The site does not share the entrance and exit with any other company/business.

Visitors to the site must sign in and out via the visitors register located in the site office.

The site security system CCTV cameras cover all operational areas on site and waste storage areas.

During operating hours there is a member of senior management or staff on site at all times.

Perimeter inspection is undertaken on a daily basis and any repairs temporarily made good by the end of the working day. Arrangements are made to have permanent repairs, if required, completed within one week. Any defects and repairs are recorded.

Half an hour prior to site closure, a fire watch is conducted on all waste storage areas and plant by the Operator or nominated member of staff.

Out of Hours

The site security system is remotely monitored by an external security company, an alert goes to the directly to the nominated staff mobile phone.

The company director, and key management are on an out of hours on call rota to ensure there is a competent member of staff to implement Emergency Action Plan (see annex 1). They would arrange access to the site in the event of a fire or emergency out of hours.

They currently provide site monitoring as per the below;

- Monday- Friday 17:00pm-7:00am
- Saturday- 13:00pm- 7.30am Monday morning .

The CCTV cameras trigger an alert to the Operator and nominated personnel when movement identified. Security staff can assess on site activity to either identify any false alarms or carry out further investigation.

Site management have remote access to the CCTV system out of hours for monitoring purposes.

Nominated staff can respond by either:

- Inform Fire Service the event of visual smoke detection or fire
- Inform Police in the event of unauthorised access

Out of hours access can be gained via the steel gates. Only the Operator and nominated Key Holders have keys to allow entry to site.

Nominated trained key holders can attend site within 10 minutes, outside of operational hours.

Plant and Equipment

Plant and equipment are maintained in accordance with the manufacturer's recommendations and recorded on daily check sheets.

Plant and equipment are operated in accordance with the manufacturer's instruction manuals.

Induction training and refresher training is provided, to all persons engaged at the site, in the safe operation of plant and equipment relevant to their role.

Inspection of plant and equipment is undertaken on a daily basis to check for faults and ensure appropriate safeguards are in place. Designated forms for the checking and defect records for all vehicles and plant are completed and forwarded to the Operator for checking and review.

Regular cleaning is conducted on all operation plant. This is recorded when completed on plant inspection forms.

At the end of the working day, plant and equipment are stored 6m away from stockpiles of combustible materials (See Drawing 003).

In the event of a failure or suspected fault with an item of plant or piece of equipment, the relevant persons ensure that the equipment is shut-off in a safe manner and not used until the equipment can be repaired or replaced. Defects are reported to senior site management for appropriate action to be taken.

Electrical Faults

The electrics on-site are certified by a suitably qualified electrician.

Regular safety checks and daily site inspections are recorded in the site diary. Periodic inspections will be undertaken by a suitably qualified electrician on an annual basis.

Any potential ignition sources from suspected electrical faults should be isolated and an electrician should be contacted immediately.

The inspection frequency will be based on recommendations from the electrician or where a potential risk is identified via the daily site inspections.

PAT testing of portable equipment will be checked on a yearly basis.

Discarded Smoking Materials

Smoking is not permitted on site.

Hot Works

The company operates a permit to work system. No hot works are not generally undertaken.

In the event hot works are required, they are only undertaken by staff who are trained, and by contractors who have the relevant permit to work.

Works must be completed within 2 hours of the working day.

A fire watch is provided continuously during the works, including breaks, and one hour after completion. Once works are complete, they will be signed off by the Operator or Nominated person.

Industrial Heaters

Industrial heaters will not be used on site.

Hot Exhausts

Vehicles are turned off when not in use.

Flammable/combustible materials are stored in designated areas away from frequent vehicle movements (as far as is reasonably practicable).

A fire watch of all on-site plant and equipment (including, if appropriate, transport vehicles) will be undertaken for at least 30 minutes following use and at the end of every working day.

Ignition Sources

Ignition sources will be kept at least 6m from any combustible waste stockpiles or other potential on-site fire hazards (e.g. diesel storage, oils, chemicals).

Ignition sources such as hot works, smoking, electrical equipment, plant and equipment, heaters and exhausts are detailed within the above sections.

Ignition sources may only be located less than 6m from a potential fire hazard where suitable fire walls/breaks are in place between the ignition source and the combustible material. The 6m buffer zones that will apply, in this respect, across the site are shown in Drawing 003.

Batteries

Batteries are not accepted.

Leaks and Spillages of Oils and Fuels

Spillages and leakages of fuels and oils (either from on-site vehicles or where such material is accepted in error) are prevented through maintenance in accordance with the manufacturer's recommendations as recorded in the Environment Management System.

COSHH assessments are carried out by the Operator to inform site staff of the risks of materials on site and control measures required when handling. These are kept in the site office.

Where a delivery vehicle (i.e. not under the control of CNC) is found to be leaking, that vehicle will be refused entry to site.

Storage areas for fuels and liquids are not located within the permitted area. All refuelling and any repair work will be carried out in a dedicated area away from waste storage and activities.

Any spillage/leak of hazardous materials (including oils/fuels) at the site shall be treated as an emergency and immediate action taken to absorb or contain it using spill kits provided (See Drawing 003). The absorbent will be cleaned up as soon as possible and disposed of, as hazardous waste, by a suitably licensed contractor.

Spillage procedure within the site EMS supports the management, staff training and treatment of spillages. A non-conformance report is completed with the appropriate actions taken recorded.

Build-up of Loose Combustible Waste, Dust and Fluff

Staff are to remain vigilant for loose material, dust or fluff and should clean up such material on identification, placing such material in the correctly designated storage stockpile. Daily site inspections and general housekeeping of the site is also undertaken in order to minimise the potential for the build-up of such materials.

Plant, conveyers and equipment are checked daily and cleaned weekly to reduce the risk of trapped debris which reduces the risk fire.

Good housekeeping is practiced on site, keeping site equipment and surfaces clean and clear access free for plant and staff movement on site.

Reactions between Wastes

All wastes arriving onsite will be checked in accordance with the waste acceptance criteria to ensure no materials of unknown composition are accepted at the site.

Waste oils and fluids collected from vehicles only through repairs or general maintenance are to be stored separately within the designated tanks/vessels.

Unpermitted wastes will be quarantined within a skip/container if necessary and stored over 6 metres away from any waste stockpiles.

Deposited Hot Loads

All wastes are assessed both at the time of the receipt of an enquiry and as the material arrives at site.

On arrival, checks are made to ensure that no hot loads or smouldering materials are accepted by the site.

The quarantine area (fire prevention) will be used in the event that any hot load is received, in error, by the site.

Appropriate action will be taken, either the Fire Service contacted, or the waste will be allowed to cool, or a fire extinguisher used to dose a small fire or smouldering if safe to do so.

Neighbouring Activities

It is not felt that the neighbouring business poses any risk from site activities.

Checks made on the Public Register show that there is 8 permitted facilities regulated by the EA detailed within 1km of the site.

It is not felt any of the above activities pose any risk to the site based on their location and infrastructure.

Prevent Self-Combustion

Manage storage time

Robust stock pre-acceptance, acceptance, tracking and management systems are in place such that no delivery is accepted at the site that would result in an exceedance of the permitted storage and/or processing capacity. All deliveries to the site are scheduled in advance of arrival on site. As deliveries are scheduled, it enables the site to ensure that there is sufficient storage capacity available and to comply with stockpile capacities.

Site Activities

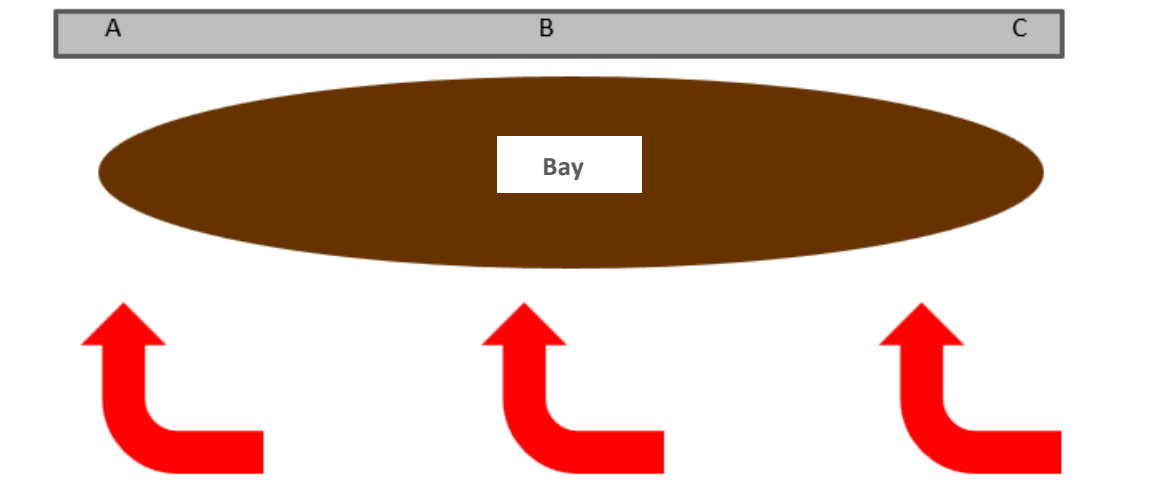
The company is applying for a permit to allow the acceptance of UPVC plastic wastes from the construction sector, industrial sector, and waste facilities.

The site aims to operate as such combustible waste materials received, are processed, subject to initial manual or mechanical treatment and segregated on the day of receipt ready for further treatment.

To achieve good stock rotation and ensure the implementation of the “first in-first out” principle. UPVC wastes will be accepted onto site and tipped in the designated sorting area within a bay. At the start of the week incoming wastes are tipped at the front of the bay (See image 2), in area A with incoming wastes then tipped into the stockpile up to area B, then C. This rotation process will continue as wastes in Area A will be removed first for processing then following the same rotation for removal then restock.

This process is supported by continued visual inspection and monitoring throughout the day to maintain compliance and recorded daily inspection.

Image 2 – Stock Rotation (example)



All movements of waste incoming and outgoing the site will be recorded and available for inspection by the Environment Agency upon request.

Pre-Acceptance and Acceptance

A strict pre-booking system is in place for all waste collections. Planned collections and contracts are in place with waste suppliers/customers.

The company has strict waste acceptance criteria due to the type of waste accepted and quality required for further treatment and processing.

Waste is delivered to site by CNC company vehicles. Drivers are trained to check each incoming skip/container/load prior to collection from the customer. This is to check that loads contain permitted wastes only and are not over filled. Once drivers have checked in at the site office, they are directed to the tipping area to meet with a site operative.

The load is then visually inspected by the site operative, this is to ensure that the waste descriptions and waste code on the waste transfer note are in order prior to the waste being tipped.

Non-Conforming Waste

However, should the waste not conform with the waste transfer note, the Site Manager is informed. They will assess the waste and decide whether it can be accepted. The waste must either be rejected or given the appropriate waste description, EWC code with the paperwork updated.

If the waste is deemed unacceptable under the permit or due to contamination the waste must be quarantined prior to removal off site or reloaded immediately. A waste rejection note must be completed at this stage and the customer contacted.

The EMS details the waste acceptance, validation, and rejection procedures. The below procedures below cover the waste acceptance and rejection process.

- Waste Acceptance Procedure
- Waste Rejection Procedure
- Waste Rejection Record

Monitor and control temperature

EA guidance on FPP states that where on-site storage is proposed for longer than three months, additional measures will be required in respect of stockpile monitoring and control.

Routine Daily Monitoring

During the day waste piles are visually monitored during the acceptance procedure and as part of the daily checks by site staff. Stockpile management is listed within the Daily Check sheet with all stockpiles checked to ensure compliance with the stockpiles detailed within this document.

Site staff are trained to detect signs of fire and hotspots, with the management of any signs of fire or hotspots carried out under the direction of the Operator.

Staff are to be vigilant for any signs of visual smoke or smouldering of wastes during the working day and should notify the Site Manager should they detect signs of fire.

Daily weather conditions and temperatures are recorded by the Site Manager or Nominated Person daily. This is recorded on the Daily Check Sheet. In the event there is a prolonged period of warm weather, additional weather inspections will increase in frequency, every two hours, to ensure the constant monitoring of all stockpiles.

End of Day Monitoring

At the end of each working day a fire watch is conducted on the stockpiles, any waste stored in containers and site plant and equipment. This is carried out 30 minutes prior to the end of the working day. Nominated staff will look for any evidence of smoke, heat or smouldering.

Should this be detected, the stockpile or container will be assessed by the Operator whether to maintain visual monitoring or if the waste requires active fire measures such as water suppression. The use of fire extinguishers or water suppression would be implemented, or wastes can be placed into the designated fire quarantine area and separated to allow cooling. These checks are recorded and filed in the site office.

In the event of a fire, if safe to do so, the waste can be broken into, segregated to reduce the fuel source. Unburnt material can be placed in the quarantine areas for the purpose of separation.

These end of day checks are recorded. These checks cover a site walk around and site closure measures including waste storage area checks, plant and equipment storage, security measures and the shut off electrical equipment.

Bank Holidays/Site Closure

During periods where the site will be closed over bank holiday/holiday periods the site will still be visited on a daily basis to ensure that site is secure and to carry out monitoring and fire watch checks on existing stockpiles.

This will be recorded on the daily check sheet and supporting monitoring forms.

Reduce the exposed metal content and proportion of 'fines'

Fines may be produced on site. They are in a dedicated FINES bay for low level fines from the screener. This bay is no more than 3.5 x 5m x 3m. These wastes will be stored for no longer than 14days prior to removal.

Metal wastes are stored in a designated bay, these wastes are not flammable as they are uncontaminated metals recovered from the acceptance then subsequent treatment of UPVC window frames. Metals with any plastic or rubber attached will have this removed prior to storage within this container. In the event of prolonged warm weather this container can be covered with a fire blanket to prevent any overheating.

Dealing with hot weather, heating from sunlight and monitoring temperature

During periods of warm weather, care will be taken to ensure that wastes do not increase in temperature resulting in combustion.

Wastes can always be accessed to enable site plant to turn, spread or move wastes to cooler/shaded areas if required. This would be actioned in response to daily weather monitoring and visual daily inspections of stockpiles by the Operator (or trained nominated person).

Using the grab, the waste should be broken into and the waste spread and aerated. Visual inspection of the waste should continue. Once cooled the waste should be turned and returned into the container.

Monitoring is conducted by the Operator or a nominated trained member of staff. Any findings or responses to fire/smouldering are recorded in the site diary and made available in the site office for information.

Waste treatment

To allow any heat generated during shredding to be released, the waste can be subject to water suppression from the water canon to dampen, reduce dust and to cool material before it is placed into the appropriate storage area.

Contingency

In the event of any delay to the removal of material from the site, the Operator will contact the relevant 'waste receiver' to determine the anticipated length of the delay. If deliveries to the site are scheduled, for before the delay to exports is resolved, that would result in an exceedance of the storage capacity, or if such a delay could cause a breach of the limits to the waste storage time on-site, the Operator or TCM will contact the EA immediately.

In addition, in the event of a contract failure with, or closure of, a waste receiver (and its operations) that could result in the storage of material on-site for a long period, the Operator/TCM will contact the EA immediately.

In the event there is a major breakdown that effects site processing plant or equipment, the Senior Management take proactive action, consider ceasing waste acceptance and determine the anticipated length of the delay.

The EA will be notified, discussions between the site and the EA regarding actions and timescales in relation to the recommencing of site operations.

Management of Waste Piles

Pile Sizes

The EA FPP guidance state that maximum stockpiles for the below wastes must be in line with the below, Table (3), to help prevent the risk of self-combustion and limit the scale of a fire if one breaks out.

Table 3
EA Stockpile Guidance

Waste Type	Loose and more than 150mm
Plastic	750m ³
Metal	750 m ³
Fines	450 m ³
Mixed wastes	450 m ³

The Environmental Permit does not specify specific site waste storage timescales.

Where waste piles contain a mixture of combustible wastes or residues, the maximum stockpile size has been based on the minimum stockpile size 450m³.

The site layout allows for access to all external stockpiles so a fire can be extinguished easily.

Wastes are stored by type awaiting segregation and sorting prior to processing or storage pre removal off site.

Table 4 below details the current stockpile sizes by location. These are also referenced in Drawing 003.

Low volumes of wates are stored on site, with all stockpiles are under maximum FPP guidance guidelines.

Table 4 – Current Stockpiles, Location and Sizes

Waste Material	Location	Form	Height (m)	Length	Width	Max Volume	Storage Time
Internal – Waste Transfer Building							
Bay 1 Aluminium Bay Removed from UPVC frames/wastes Clean and uncontaminated Non combustible	External	Loose and more than 150m 2 sided bay	3.5h	5m	5m	87.5m ³	Maximum 3 months

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Bay 2	External	Loose and more than 150mm	3.5h	5m	5m	87.5m ³	Maximum 3 months
Steel Bay		2 sided bay					
Removed from UPVC frames/wastes							
Clean and uncontaminated							
Non combustible							
Bay 3	External	3-sided bay	3m	5m	3m	45m ³	Maximum 14 days
Sub 4mm bay		Loose and less than 30mm					
(Fines/residues 191212)							
Combustible							
Bay 7	External	3-sided bay	3.5m	8m	22m	616 m ³	Maximum 30 days
Incoming UPVC wastes		Loose and more than 150mm					
Bay 8	External	3-sided bay	3.5m	5m	12m	210 m ³	Maximum 14 days
Processed UPVC waste		Loose and between 30 - 150mm					

Storing waste materials in their largest form

Incoming UPVC wastes are stored in their largest form in a designated stockpile.

Metal wastes are also retained in their largest form.

Where Maximum Pile Sizes Do Not Apply

The below are where within FPP guidance maximum pile sizes do not apply for these types of waste.

Whole end of life vehicles (ELVs)

The site is not permitted to or will accept end of life vehicles.

Containers

FPP guidance states that sites storing waste in containers that can hold more than 1,100 litres, must be accessible so any fire inside it can be put out. In the event of a fire, these containers must be moved as soon as is reasonably practicable to prevent the fire spreading.

External Storage

Wastes are not stored in containers.

Compost production

No composting activities take place on site.

POP, s

No POPs wastes are accepted.

Prevention of the Spread of Fire

Separation Distances

All stockpiles of potentially combustible wastes are stored 6m from potential sources of ignition (i.e. on-site treatment/processing operations, moving plant).

A 1m freeboard is in place to take into account the calculation of flame height and radiation in preventing the spread of fire between piles and around the site boundary. Daily visual inspections and housekeeping procedures are in place to prevent loose or light material moving outside the bay walls and igniting other wastes.

To maintain compliance with stockpile heights a painted line 0.5m from the top of the bay walls denote waste storage heights. Operatives are instructed not to place any waste higher than this line preventing the over capacity of storage areas and loss of wastes behind bay walls.

Fire Walls, Bays, Buildings and Stockpiles

The site stores combustible wastes externally as detailed in Section 10.

All external bays are 2 or 3-sided concrete bays.

Internal and external waste storage bays are made up of concrete Legio blocks (each 800mm x 800mm x 800mm)

The interlocking design, specification and construction of the walls offer a thermal barrier which seal joints to provide secure containment.

Legioblock is ideal for use in fire-resistant walls. Legioblock holds A1 fire-resistant classification in accordance with [REI 240](#) standards. This means the Legioblocks are fire-resistant for up to at least 4 hours. The manufacturer states that in practice, this means the blocks last even longer than 4 hours.

As previously stated, wastes are subject to constant inspection and frequent stock rotation, ensuring waste are processed on a first in, first out policy.

The fire resistance rating of the concrete walls has been estimated using the ‘Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies’ (American Concrete Institute, ACI Standard 216.1-97). Table 2.1 of the ACI Standard is reproduced (converted to SI units) as per Table 6 below.

Table 6
Fire resistance of singular layer concrete walls, floors and roofs

Concrete Aggregate Type	Minimum equivalent thickness for fire resistance rating (cm)				
	1-hour	1.5-hour	2-hour	3-hour	4-hour
Siliceous	8.9	10.9	12.7	15.7	17.8
Carbonate	8.1	10.2	11.7	14.5	16.8
Semi-lightweight	6.9	8.4	9.7	11.7	13.7
Lightweight	6.4	7.9	9.1	11.2	13.0

Quarantine Area

Quarantine Area Location and size

The quarantine area is somewhere burning wastes can be moved to extinguish them. It can also be used for the storage of unburnt wastes into the quarantine area to isolate and prevent them catching fire if necessary.

Quarantine area (fire prevention) is located 6m from the site boundary to prevent the risk of heat/fire spreading across the site boundary.

Drawing 003 clearly defines the quarantine area, indicating the required minimum 6m separation buffer that will be maintained during a fire event.

The quarantine areas (fire prevention) will during normal site operations will be kept clear.

The quarantine area one is measured at 10(l) x 8(w) x 4(h) = 308m³. This area is signed and marked to ensure the area is kept clear at all times, in the event a fire occurs.

The quarantine area (fire prevention) is large enough to hold 50% of the largest stockpile.

How to use the quarantine area if there is a fire

The quarantine area is located within the permitted area.

Procedure to remove material stored temporarily if there is a fire

If safe to do so nominate trained staff can separate any burning waste from stockpiles into this area for active firefighting using the grab.

If safe to do so staff can also move fire damaged waste after a fire into these areas to quarantine it from viable waste.

Waste Quarantine Area

In the event any unpermitted or contaminated waste requires quarantine this will be stored in a designated marked skip.

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Detecting Fires

Detection systems in use

Identifying fires as quickly as possible makes the suppression of the fire easier and results in lesser damage to the environment and human health.

The below detection systems are in place on site.

Due to the low volume of water stored on site and robust turnover timescales the below detection methods are proposed.

As such, the following measures are to be employed to ensure that fires are identified at the earliest opportunity:

- Inspections are to be made of containers/stockpiles by the site manager at the start and end of each working day and recorded.
- Site staff are to be vigilant and keep lookout for fire or the signs of a fire, with hot watch procedures in place particularly where there are elevated risks of fire
- CCTV installed on site provides for active monitoring during operational and non-operational hours
- On site staff presence from 7am to 17:30pm
- Site operatives are supplied with radios to communicate should a fire be detected

CCTV

Onsite CCTV cameras provide visual monitoring during operational hours and out of hours. Cameras cover all operational areas on site and all waste storage locations.

Active site monitoring as detailed in section 7.1 can detect a fire in its early stages to reduce its impact. The images are linked to the Operators and nominated key personnel mobile phones, to allow for early detection and notification of the fire service in case of alarm.

Senior management have remote access to CCTV cameras for active monitoring both during and out of hours.

Fire Alarms

Air horns will be used to raise the alarm in the event of a fire. See drawing 003 for air horn location.

Fire Alarm Tests and Drills

Tests and drills are an important mechanism to ensure that the site is prepared for a fire. As such:

- Fire drills take place six monthly to identify any weakness in the evacuation strategy on site; and
- Air horns are to be tested regularly in accordance with the manufacturer's recommendation.

Site Offices/WB and Welfare Building

Automated smoke alarms are located within site facilities.

Suppressing Fires

EA guidance states “If you store waste in a building, you must install a fire suppression system. This system should be proportionate to the nature and scale of waste management activities you carry out and the associated risks”.

Wastes are not stored within a building. Therefore the site has the below equipment to suppress small fires or smouldering wastes on site.

Handheld Fire Extinguishers

Handheld firefighting equipment is provided in the welfare cabin/office.

A 9kg or 6kg powder extinguishers are located in key external storage areas.

All mobile plant is fitted with 2kg dry powder fire extinguishers for fighting vehicle/equipment fires.

All fire extinguisher locations and types are shown on site maps located around the site.

Mains Water Supply

The site is equipped with a mains water supply and a mains water connection is provided onsite.

The site is equipped with a standard 32mm mains water pipe supplying the site with mains water. A dedicated firefighting hose (50m) will be provided and maintained, allowing for water to be available and within reach of all waste storage locations in the event of a fire.

Fire Blankets

Large heavy pre-cut blankets are used to smother smouldering wastes or use as a precaution in the event of warm, prolonged weather periods, to reduce the risk of fire occurring.

IBC,s

An IBC,s will be located in locations next to the shredded plastic storage area to apply 1100lts of water to a small fire to act as a firefighting measure.

This can be lifted using the grab should application be required at height.

Water Cannon

Water cannons situated around the site can provide a direct powerful deluge of water to smouldering or burning wastes located externally.

Firefighting techniques

The site must always have the resources available to fight a fire. These include:

- Plant to move waste around the site such as the grab and forklift;
- Nominated staff (on-call for out of hours events);
- Available water supply;
- Fire Extinguishers; and
- Finances for the removal of fire damaged waste or water and any remediation costs.

In the event of a fire at the site, the class of fire will determine the action to be taken by the fire authorities.

Site information

To assist the authorities in managing a fire outbreak at the site, a copy of this FPP should be provided to the authorities as possible including the site layout plan and quantities and types of stored materials.

A copy of this document will be provided to the Security Company and a copy will be located outside of the office for the Emergency Services and site staff to access in an emergency.

Emergency Service Response

The local Fire and Rescue Service will assume full control for the approach to suppression/extinguishing of any fire once it is in attendance at the site.

The nearest fire station is located 1.5 miles from the site at Endeavour House, Queens Meadow Business Park, Hartlepool.

Travel time to site should take approximately 5 minutes.

Onsite firefighting equipment

Fire extinguishers are situated around the site in key locations, for easy access, and next to the plant storage areas.

All mobile plant is fitted with 2kg dry powder fire extinguishers for fighting vehicle/equipment fires.

Out of hours, site plant is stored externally.

All firefighting equipment will be kept in good condition, unobstructed, and be serviced at least once a year by a competent person.

A fire hose is fitted to apply water to any stockpiles near to the main building, to cool smouldering wastes or cool wastes.

In addition, as discussed in Section 12 the quarantine area (fire prevention) will also be maintained and kept free of obstruction, to be used as either:

- An area for extinguishing burning materials;
- An area for the segregating of unburnt materials away from a fire

Staff

The site has 4 nominated staff on a rota basis who are able to attend site within 10-20 minutes in the event of an out of hours call.

All nominated personnel are trained in fire response, water suppression systems, this FPP and are fully trained plant operators.

Staff resources and training

All staff are fully trained in the use of the above firefighting equipment with regular toolbox talks and practical drill training. However, the company prioritises the health and safety of all site staff, this equipment will not be used should a risk be posed to site staff.

The site has trained Fire Marshalls on site who are responsible for the management of persons and site activities in the event of a fire. Certification expires after 3 years then re-certification is required.

Regular training as detailed in Section 2.5 ensures that staff are prepared and can respond safely when a fire occurs on site.

Fire Fighting Techniques

Managing waste storage is a key factor, not only in preventing fires, but in mitigating the impact, should a fire break out.

Providing access to the site in the event of a fire is a key consideration in containing a fire. Contact details in the event of an emergency are clearly displayed on site.

The firefighting procedure detailed below must be adhered to if a fire should break out on site.

Fire Fighting Procedure

The following procedure must be adhered to if a fire should break out on the site.

All fires on site must be treated as serious and must be reported to the site manager as soon as possible.

- In the event of an outbreak of fire will be regarded as an emergency and immediate action will be taken to extinguish the fire. No one should attempt to fight a fire unless they have received training in the use of fire extinguishers and then only if this can be done without risk.
- If it is safe to do so, attempts should be made to extinguish a fire. This can be done by using site machinery to move any non-burnt material away from the smoulder or source of fire or using water, working from the edge of the fire inwards. Plant and machinery must never be driven into the centre of any fire; this will place both the driver and the machine in danger. If possible, extinguish the fire with a portable extinguisher or water.
- Implement Fire Water control measures such as closing the interceptor and implementing the sandbag bund;

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- Should the fire be successfully extinguished by this action, a check should be kept of the area to ensure that the fire does not re-ignite. The area should be vacated until it is obvious that there is no further danger of the fire restarting.
- If the above action fails to extinguish the fire, prohibit all entry to the area, then summon emergency services immediately. Close the site to all members of the public. Any persons already on the site should leave. The Fire Service will be contacted to deal with major fire incidents. Site staff will not be deployed to deal with major fires.
- Telephone the Fire and Rescue Service – Dial 999. Give the exact details including the site address and telephone number.
- Before the Fire and Rescue Service arrives, staff will:
 - ensure operators of appropriate machinery are standing by in a safe location to help create fire breaks, under the direction of the FRS when they arrive;
 - Appoint a clearly identified person to liaise with the emergency services on site. They should identify themselves to the FRS as soon as they arrive;
 - ensure access routes are clear;
 - use pollution control equipment to block drains and/or divert fire water to a containment area and/or operate any pollution control facilities, such as drain closure valves/or penstocks where safe to do so.
- On arrival the FRS should be met by the identified responsible person who must provide them with a copy of the FPP and update them with relevant information that will assist them in dealing with a fire more effectively.

Water Supplies

On Site Supply

There is onsite water supply. A system of hose reels is located around the site, to apply water to any storage areas. This can cool smouldering wastes or cool unburned material near this area if safe to access in the event of a fire.

If safe to do so, trained staff can separate unburned material from the fire using heavy plant using the 360 grab, or at the direction of FRS if used as an active firefighting measure.

External Supply

The EA guidance for FPP requires that, for a 300m³ stockpile, a total of 360,000 litres (360m³) of water would be required in order to extinguish the fire.

There are two active fire hydrant is available outside of the site. The presence of the hydrants were confirmed by Northumbrian Water.

The fire hydrants conform to British Standard 750, located within 100 metres from the site.

Northumbrian Water informed that these hydrants are maintained and used by the Fire Service, and each provides adequate water supply during active firefighting.

Water supply required

Table 5 below details the largest stockpile on site and water supply required for a minimum of 3 hours.

Table 5 – Required water supplies

Maximum pile volume in cubic metres	Water supply needed in litres per minute x 6.67	Overall water supply needed over 3 hours in Litres x 180	Total water available on site in litres
616m ³	4108lts	739,569lts	720,000lts (hydrant supply)

British Standards for fire hydrants are such that the flow rate of any hydrant must be capable of delivering at least 2000 litres (2m³) per minute at 1.7bar.

Northumbrian Water has advised that the typical working pressure of fire hydrants is between 55m and 62m (head, equivalent to 5.4bar to 6.1bar). At 30litres/second (1.8m³/minute), the operating pressure of the main would be 30m (head, 2.9bar).

The active hydrant would provide 720,000lts water supply which is insufficient currently to supply enough water for active firefighting of the largest stockpile of 616m³. The shortfall of 19,569 litres would be mitigated by the use of onsite water supply and reserve water held by the FRS (approx. 30,000 litres).

Managing Fire Water

All areas of the site benefit from concrete surfacing providing an impermeable surface. Areas of made ground are kerbed. This acts as a bund to prevent contaminated fire water entering this area which could cause pollution.

The site can hold $93 \text{ l} \times 37 \text{ w} \times 0.12 = 412\text{m}^3$. That will allow the storage of 412,920lts of water.

The site has an interceptor with a closure control to shut off the discharge pipe to retain all water within the system.

The interceptor shut off is located away from waste storage areas. No equipment or wastes are stored in this area, as this route is the main exit point for all traffic for site, therefore it must remain clear of any obstructions. This will also ensure that there is access to allow effective water collection in the event of a fire.

If safe to do so, trained staff will shut off the interceptor to prevent the release of fire water from the external discharge point. The shut off valve is located within the interceptor system. Nominated staff are trained to close the interceptor safely in an emergency situation.

Total Recycling Ltd (TRL) can provide an emergency response to begin to pump the enclosed water within the system out to reduce water on site surfaces and the risk of any water escape from site.

TRL can accept and remove contaminated water from the site.

Drainage Management

Regular maintenance of drainage system must be carried out to ensure the effectiveness of the above system. The interceptors will be checked on a monthly basis to check capacity and arrange clearance if necessary.

Drains and gullies will be kept free of debris to prevent blockages which also would impact the effectiveness of the system.

The interceptor will be checked monthly to check capacity and arrangements will be made for any clearance if necessary.

During and after an incident

The site has an Emergency Action Plan in place (See Annex 1).

On the discovery or suspicion of a fire:

- Activate the nearest fire alarm;
- Initiate evacuation of staff and visitors on site to the muster point and instruct delegated person(s) to conduct a rollcall to ensure all site users are accounted for;
- If trained and safe to do so, attempt to tackle the fire using one of the site's fire extinguishers or segregate smouldering/burning waste;
- Where attendance of the local Fire and Rescue Service is required, dial 999 to call the Fire Brigade;
- Staff will close the interceptor to prevent the release of any potential fire water;
- The Operator (or other responsible person) will make an assessment of the prevailing wind direction, contacting the critical receptors shown on Drawing 004 dependant on the receptors that may be affected;
- Operator contacts the EA on 0800 80 70 60.

Active fire fighting

If safe to do so staff may try to suppress a small fire using fire extinguishers or by using site plant to segregate and separate burning waste.

Fire extinguishers are located and maintained at the fire action points around the site and within the cabs of site plant/vehicles.

Instruction signs on the use of extinguishers and suitability of each type of extinguisher are kept adjacent to the extinguishers.

Visitors/Staff

On hearing the fire alarm:

- Leave the site quickly and calmly via the site's or office main entrance, closing all doors behind you;
- Report to the Operator/Fire Warden at the assembly point located outside of the main entrance;
- Do not take risks;
- Do not stop to collect personal belongings; and
- Do not re-enter the site for any reason unless authorised to do so.

Fire action notices are located and maintained at various points around the site to remind staff of the actions to be taken in the event of discovering a fire or hearing the fire alarm.

Receptors

Local receptors must be notified via telephone or verbally, if staff are able to attend local businesses or properties as described in Section 6.4.2.

Deliveries to site

Contact will be made with customers to stop incoming collections for the next 24hrs or until site management have cleared the site as operational.

Making the site operational after a fire

After a fire event, the following procedure will be implemented depending on the severity of the fire.

After a small fire

A fire dealt with in-house using suitably trained staff and firefighting equipment located on site is classed as a small fire.

The fire will be recorded in the site diary and an Incident Record produced which will include the causes of the fire and methods used to manage the fire. An assessment will be carried out to determine whether further mitigation measures could have prevented the fire. Any outcomes to be implemented on-site will be incorporated within updates to this FPP, as required.

The incident and the results of the above assessment will be forwarded to the EA, with any updates to the FPP and the site's EMS made if required.

After a large fire

A fire that requires the presence of the Fire and Rescue Service is classed as a large fire.

If the site has been told to evacuate or cease operations by the EA and/or Fire and Rescue Service, site management and staff will wait until instructed that it is safe to re-enter the site and resume operations. The fire will be recorded in the site daily check sheet and an Incident Record Form with details of the cause of the fire and methods used to manage the fire. An assessment will be carried out to determine whether further mitigation measures could have prevented the fire. Any outcomes to be implemented on-site will be incorporated within updates to the FPP and the site's EMS as required.

Should damage be sufficient to prevent permitted operations at the site, the site will cease accepting waste and will divert deliveries to a suitably licensed facility, in accordance with the contingency planning provisions.

The Operator will liaise with the EA to determine a plan-of-action to recommence permitted operations at the site, and the timescales involved to achieve this.

Contaminated Fire Water

Total Recycling Ltd provide support in an emergency. In the event contaminated water is to be removed offsite the company can provide an emergency response and remove any contaminated water to a suitably permitted disposal site.

Fire Damaged Waste

A visual assessment will be carried out by the Operator to determine whether the waste can continue to be stored on-site. Wherever possible, unburnt wastes will be separated from fire damaged piles. If waste piles have become mixed, then it is likely that the waste will be removed from the site for disposal.

Any fire damaged waste will be removed from the site within 24 - 48 hours to a suitably permitted facility.

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Any quarantined waste, waiting for removal from site, is stored in the quarantine area to prevent the contamination of unburnt wastes on-site.

Conclusion

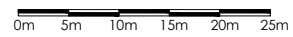
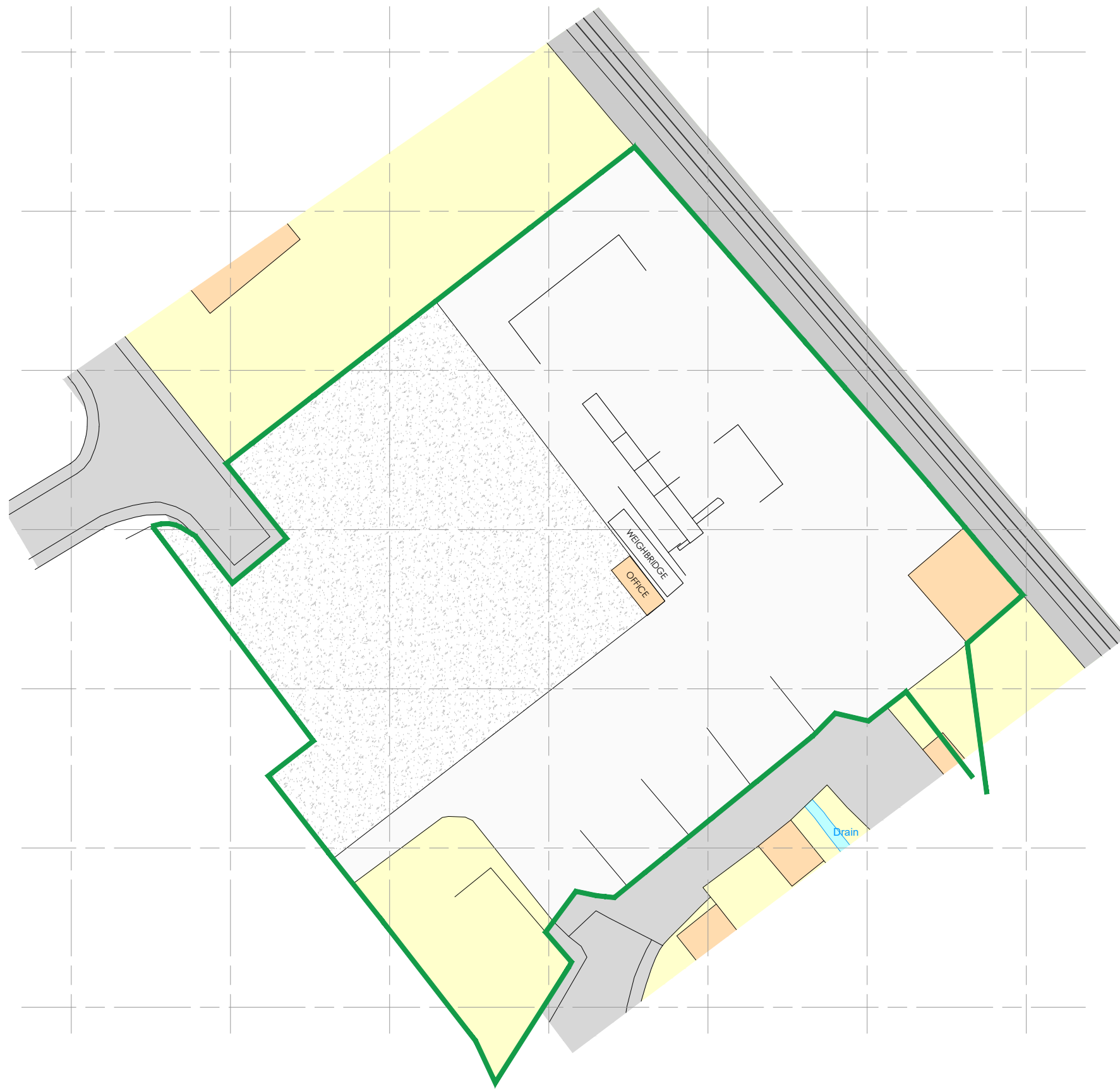
This Fire Prevention Plan is considered to be a 'working' document that will be reviewed and updated annually or as required should any of the following occur:

- a fire on site;
- the results of any testing of this FPP indicate that changes are required;
- a change or review of legislation; or
- if the site is instructed to do so by the EA.

It will be the responsibility of the Operator or nominated person to maintain this Fire Prevention Plan and to ensure it is adhered to both to limit the risk of a fire occurring on-site and in the event of a fire on-site.

Any updates to this FPP, either as a result of specific incidents or identified during its testing/review, will be submitted to the EA for its approval prior to implementation of the proposed changes at the site.

DRAWINGS




NOTES

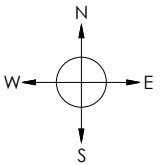
DRAWING IS A SITE SCHEMATIC

ANY ANOMALIES ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF OLIVE COMPLIANCE

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LEGEND

 PERMIT BOUNDARY



SITE
104-105 GREYTHROPE INDUSTRIAL ESTATE , TS25 2DF

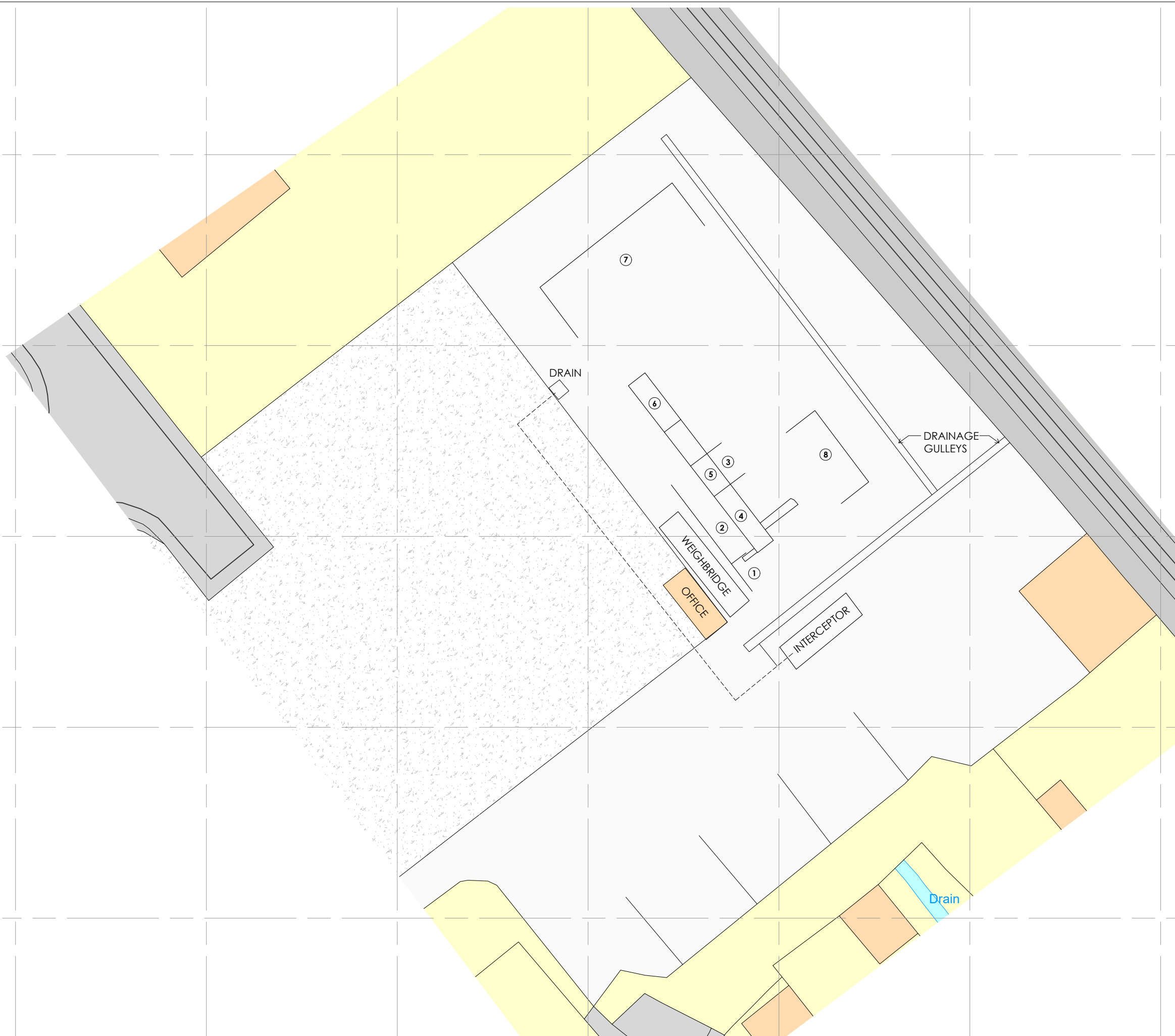
PROJECT
EA PERMIT APPLICATION

DRAWING TITLE
PERMITTED AREA PLAN

DRAWING NUMBER 002	REVISION 0
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SCALE 1:750 @ A3	DATE 15.06.23
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NOTES

DRAWING IS A SITE SCHEMATIC
 ANY ANOMALIES ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF OLIVE COMPLIANCE

LEGEND

- PERMIT BOUNDARY
- ① ALUMINUM BAY
- ② STEEL BAY
- ③ SUB 4M BAY
- ④ EDDY CURRENT SEPARATOR
- ⑤ SCREENER
- ⑥ HAMMER MILL
- ⑦ UPVC FRAME BAY
- ⑧ UPVC SHRED BAY
- HARDSTANDING
- CONCRETE

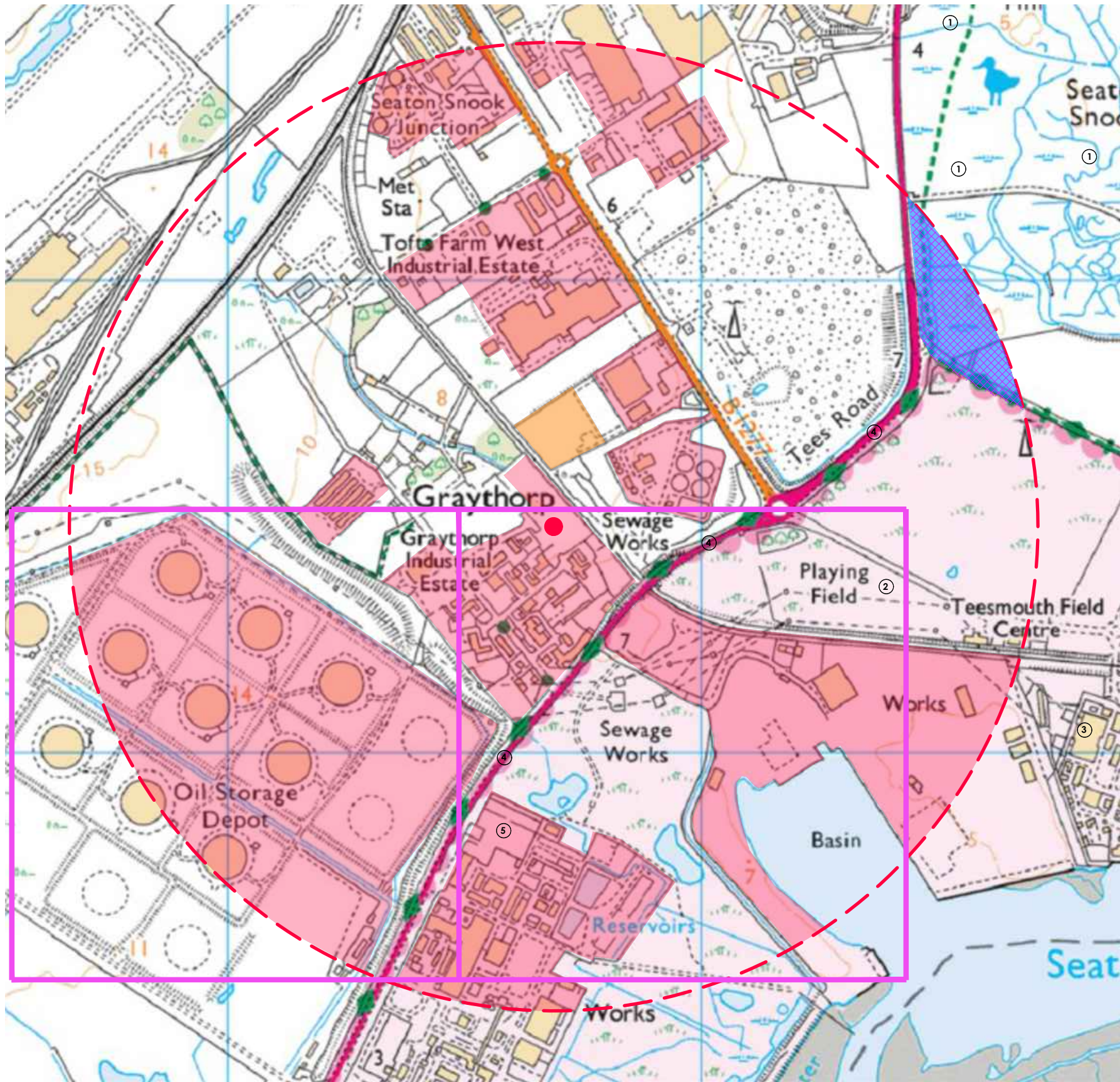
SITE
 CNC, 104-105 GREYTHROPE INDUSTRIAL ESTATE , TS25 2DF

PROJECT
 EA PERMIT APPLICATION

DRAWING TITLE
 SITE LAYOUT PLAN

DRAWING NUMBER 002	REVISION 0
SCALE 1:500 @ A3	DATE 15.06.23



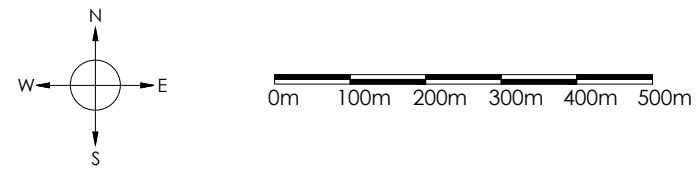
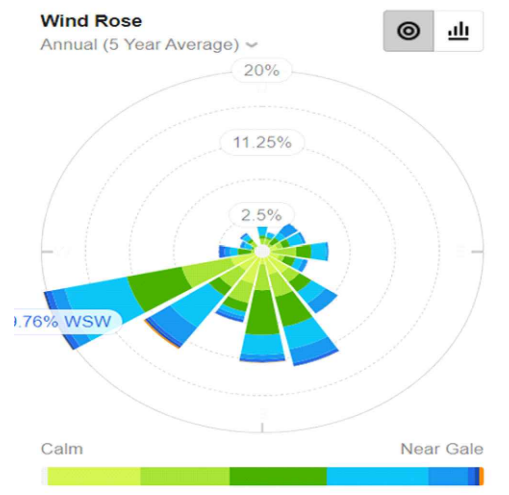


NOTES

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LEGEND

- SITE
- - - 1KM OFF SET BOUNDARY
- ①. TEESMOUTH NATIONAL NATURE RESERVE
- ②. HARTLEPOOL POWER STATION CRICKET CLUB
- ③. HARTLEPOOL POWER PLANT
- ④. TEES ROAD
- ⑤. VENATOR CHEMICAL PLANT
- INDUSTRIAL ESTATE
- NATURE AND HERITAGE CONSERVATION SITES**
- SPECIAL PROTECTION AREA (PSPA OR SPA)**
- TEESMOUTH AND CLEVELAND COAST
- RAMSAR**
- TEESMOUTH AND CLEVELAND COAST
- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)**
- TEESMOUTH AND CLEVELAND COAST
- LOCAL WILDLIFE SITES (LWS)**
- BRENDA ROAD SEWAGE WORKS GRASSLAND
- PROTECTED SPECIES**
- CODE 2 - EUROPEAN WATER VOLE



SITE CNC RECYCLING LTD 104-105 GREYTHORPE INDUSTRIAL ESTATE , TS25 2DF	
PROJECT EA PERMIT APPLICATION	
DRAWING TITLE SITE RECEPTOR PLAN	
DRAWING NUMBER 004	REVISION 0
SCALE 1:10000 @ A3	DATE 15.06.23



APPENDICIES

Annex 1 – Emergency Action Plan

EMERGENCY ACTION PLAN

All fires on site must be treated as serious and must be reported to the site manager/operator as soon as possible.

1. In the event of an outbreak of fire will be regarded as an emergency and immediate action will be taken to extinguish the fire.
2. No one should attempt to fight a fire unless they have received training in the use of fire extinguishers and then only if this can be done without risk.
3. If it is safe to do so, attempts should be made to extinguish a fire. This can be done by using site machinery to move any non-burnt material away from the smoulder or source of fire or using water, working from the edge of the fire inwards.
4. Plant and machinery must never be driven into the centre of any fire; this will place both the driver and the machine in danger. If possible, extinguish the fire with a portable extinguisher or water.
5. Should the fire be successfully extinguished by this action, a check should be kept of the area to ensure that the fire does not re-ignite. The area should be vacated until it is obvious that there is no further danger of the fire restarting.
6. If the above action fails to extinguish the fire, prohibit all entry to the area, then summon emergency services immediately. Close the site to all members of the public. Any persons already on the site should leave. The Fire Service will be contacted to deal with major fire incidents. Site staff will not be deployed to deal with major fires.
7. Telephone the Fire and Rescue Service – Dial 999. Give the exact details including the site address and telephone number.
8. Before the Fire and Rescue Service arrives, staff will:
 - ensure operators of appropriate machinery are standing by in a safe location to help create fire breaks, under the direction of the FRS when they arrive
 - Appoint a clearly identified person to liaise with the emergency services on site. They should identify themselves to the FRS as soon as they arrive
 - ensure access routes are clear
 - use pollution control equipment to block drains and/or divert fire water by closing the interceptor and dammit mats.
9. On arrival the FRS should be met by the identified responsible person who must provide them with a copy of the FPP and update them with relevant information that will assist them in dealing with a fire more effectively.

Monthly FPP Checklist

Date: _____ Checked by: _____

ITEM		CHECKED	ACTIONS/COMMENTS	COMPLETED & SIGNED OFF
1.	Storage capacity bay markings, compliant and markings visible?			
2.	Separation distances maintained?			
3.	Quarantine areas clear and available?			
4.	Water supply and hose in place and in good condition ?			
5.	External and internal drains clear of debris?			
6.	Interceptor capacity checked?			
7.	Interceptor shut off system checked?			
8.	Sandbags in good condition ?			
9.	Site signage in good condition and unobstructed			
10.	Condition of fencing and entrance gates			
11.	WB Office/ Welfare areas – Doors clear and unobstructed			
12.	Rollers shutter doors in good condition and operational			
13.	Fire Extinguishers in good condition & maintenance date			
14.	Sandbags and damit mat in place ?			
15.	Fire drills/procedure reviews completed?			
16.	Oil/Fuel/Liquid Bunds capacity			
17.	Site storage in line with site drawings?			
18.	Does the FPP need updating (eg: changes to layout, site activities?)			

Comments:



104 - 105 Graythorp Industrial Estate, Hartlepool

Noise impact assessment

10775.1

24th November 2023

Revision A



104 - 105 Graythorp Industrial Estate, Hartlepool

Noise impact assessment

10775.1

Revision	Description	Issued by	Date
A	First issue	SS	24 th Nov 23

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1 Summary

- 1.1 Apex Acoustics has been appointed by CNC Recycling Ltd to carry out a noise impact assessment in support of a permit application for their site at 104 - 105 Graythorp Industrial Estate, Hartlepool.
- 1.2 The nearby noise sensitive receptors are identified as the residential properties on Saltaire Terrace and Marsh House Lane circa 1.9 km to the west of the site, residential properties on Vickers Lane, Avro Gardens, Lingdale Drive, Kildale Grove, and Bilsdale Road circa 1.4 km to the north of the site, and the Mayfair Lodge circa 1.2 km to the north-east of the site.
- 1.3 Background sound levels have been measured at positions considered representative of the identified noise-sensitive receptors.
- 1.4 Noise from plant associated with the site have been measured on site. Noise due to HGV movements have been determined from previous measurements.
- 1.5 The sound propagation is modelled and calculated according to ISO 9613-2 implemented by Cadna/A software.
- 1.6 The noise impacts on these noise sensitive receptors are assessed in accordance with BS 4142.
- 1.7 The rating levels at residential receptors are at least 3 dB below the background sound levels and are significantly lower than the existing residual sound levels, as such unlikely to be distinguishable against residual sources. The site is located within an existing industrial site, with other industrial/ commercial sites located closer to the identified noise sensitive receptors which are likely to have a higher noise impact on the receptors. Considering the context of the existing acoustic environment and calculated rated noise impact at the identified noise sensitive receptors, the BS 4142 assessment results indicate the likelihood of a low impact.
- 1.8 The modelling is also considered prudent and the impact due to the site in practice is likely to be lower than that predicted in the assessment presented in this report.
- 1.9 Measurement or calculation uncertainties are considered unlikely change the assessment outputs.
- 1.10 No additional noise control measures are considered necessary.

3 Introduction

- 3.1 A recycling site for UPVC window frames has been proposed at 104 - 105 Graythorp Industrial Estate, Hartlepool, TS25 2DF.
- 3.2 The plant and operations on site crushes and screens frames to remove the metal content and shred the plastic for further recovery into industry.
- 3.3 The operational hours of the site are understood to be as follows:
- 07:00 – 17:00, Monday to Friday;
 - 07:00 -13:00, Saturday; and
 - Closed on Sunday/Bank/public holidays.
- 3.4 The site is currently operating under an exemption.
- 3.5 The site location is shown in Figure 1.
- 3.6 Apex Acoustics has been commissioned to undertake a noise survey and assessment of the noise from plant and operations associated with the development in support of an Environmental Permit application.
- 3.7 The scope of our instruction includes:
- Measurement of the existing noise environment over the operational hours of the site at two locations representative of the nearest noise-sensitive receptors;
 - Measurement of plant and operational noise levels on site;
 - Analysis of source noise levels, based on measured noise levels;
 - Calculate noise propagation using proprietary noise modelling software to the noise-sensitive receptors and assess the impact in accordance with BS 4142: 2014;
 - Advise on a scheme for noise mitigation to avoid a significant adverse impact and mitigate and reduce to a minimum any adverse impacts.

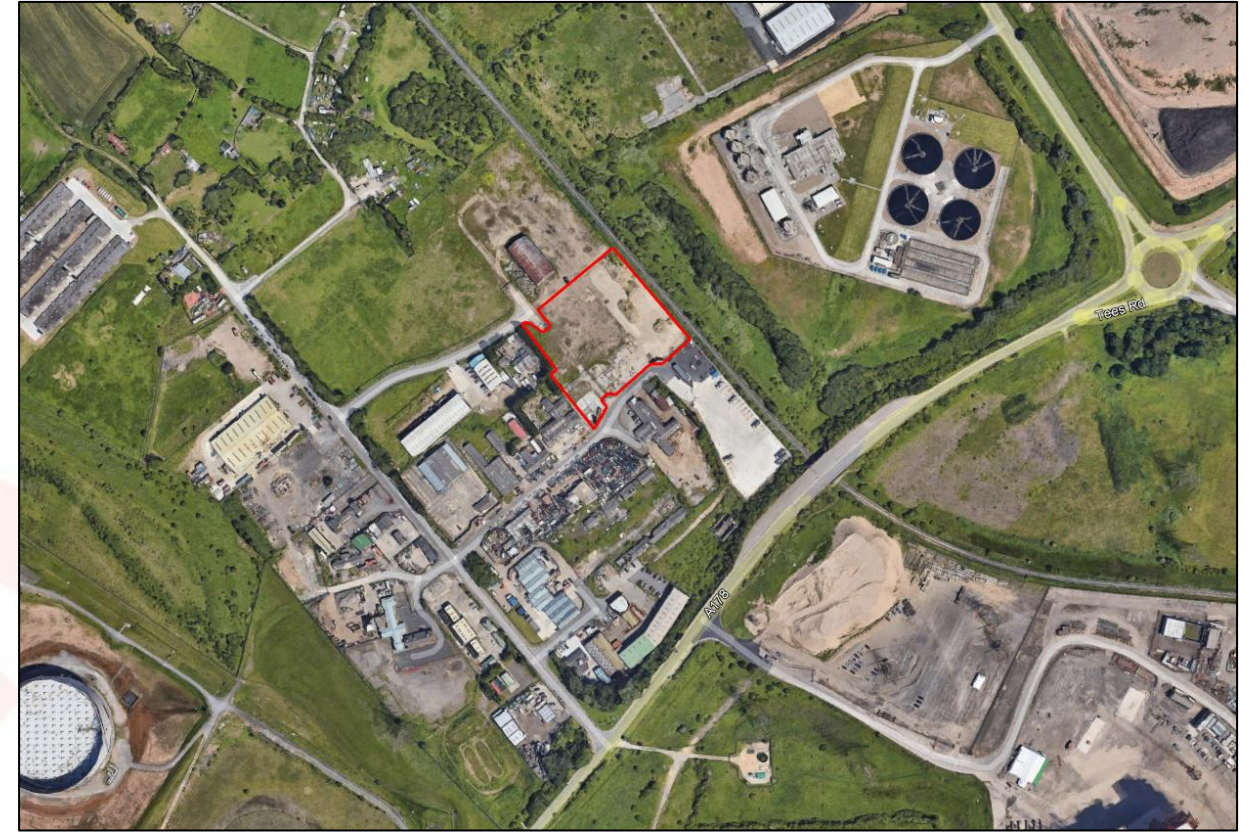


Figure 1: Site location outlined in red

4 Assessment location

4.1 Site boundary

4.2 The site location and boundary are indicated by the red outline in Figure 1.

4.3 Noise sources on site

4.4 The plant sources operating on site are shown in Figure 2.

4.5 All except the Aluminium Bay (1), Steel Bay (2), and UPVC Frame Bay (7) are plant sources.

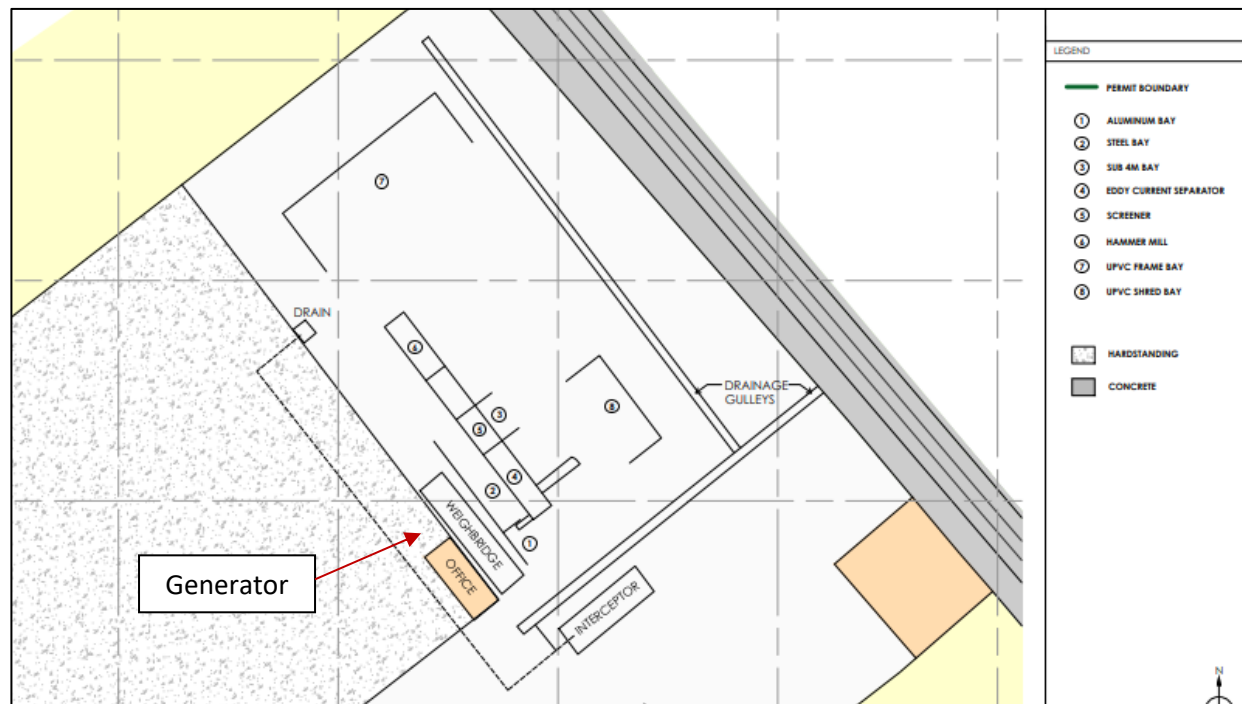


Figure 2: Plant sources on site

4.6 In addition to the sources shown above, a generator is also operational on site, at the location shown in Figure 2.

4.7 Up to two HGV movements are understood to occur on site in any one hour of operation.

4.8 Noise sensitive receptors

4.9 The nearest noise sensitive receptors (NSRs) are identified as the following:

- Residential properties on Saltaire Terrace and Marsh House Lane circa 1.9 km to the west of the site (NSR 1);
- Residential properties on Vickers Lane, Avro Gardens, Lingdale Drive, Kildale Grove, and Bilsdale Road circa 1.4 km to the north of the site (NSR 2); and
- The Mayfair Lodge circa 1.2 km to the north-east of the site (NSR 3).

4.10 The NSR locations are shown in Figure 3.

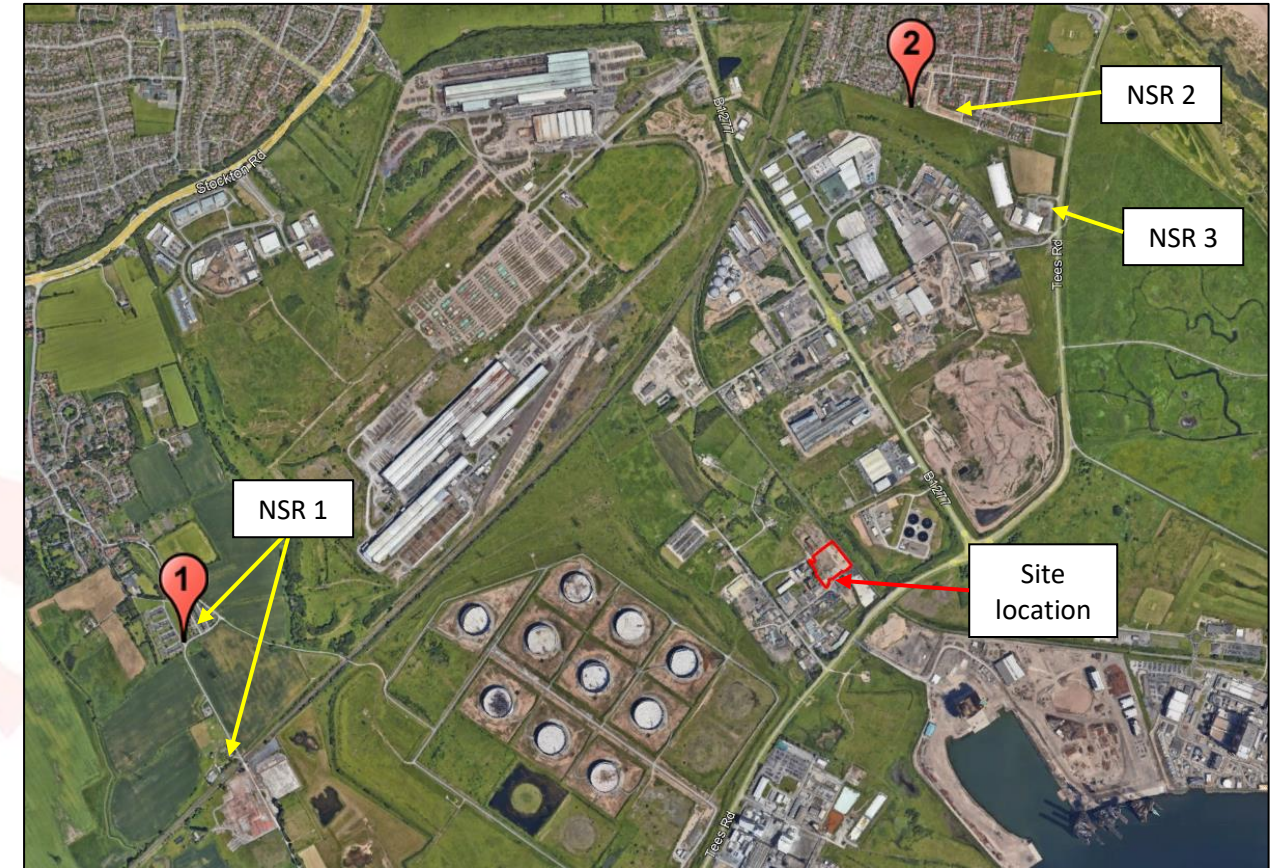


Figure 3: Noise sensitive receptors and background monitoring locations

4.11 All other receptors in the vicinity are located further away from the site and therefore the impact will be lower than that calculated at the identified nearest NSRs.

4.12 The new built residential site on Station Road and Greatham C of E Primary School are located further away from the site in comparison to NSR 1, and therefore the impact will be lower.

4.13 Background monitoring locations

4.14 The measurement positions are shown in Figure 3.

4.15 The existing acoustic environment was measured between 16:12 hours on 14th November 2023 and 14:44 hours on 17th November 2023 at position 1, and between 16:46 hours on 14th November 2023 and 15:17 hours on 17th November 2023 at position 2.

4.16 The measurements at Position 1 are representative of the noise environment at NSR 1, and at Position 2 for NSRs 2 and 3.

4.17 The background sound levels at NSR 3 are likely to be higher due to its proximity to the A178 and is therefore considered prudent.

4.18 Although the site was in operation during the background measurements, noise from operations at the site were not identifiable at the measurement locations and is therefore considered representative of the noise environment in the absence of the site in operation.

- 4.19 Significant noise sources at the measurement locations included road traffic noise, operations at other nearby commercial/ industrial premises, and bird song.
- 4.20 Pictures of the measurement in progress are shown in Figure 4.



Figure 4: Pictures of the measurements in progress at Position 1 (left) and Position 2 (right)

4.21 **Source measurement locations**

- 4.22 As the site is currently operational, source measurements were made on site on 15th November 2023.
- 4.23 The plant sources had to all operate at the same time to be representative of actual operational conditions where these operate in a line.
- 4.24 As measurements of individual plant items could not be made, the plant items shown in Figure 2 were considered to be enclosed in an imaginary box (blue) as shown in Figure 5, and measurements (A to BB) made at 1m from the box on all sides, and on the top.
- 4.25 Aluminium Bay (1), Steel Bay (2), and UPVC Frame Bay (7) are not plant sources.
- 4.26 The measurements also included the crane on site shifting materials to and from the plant.
- 4.27 Additional measurements were also made at 5 m from the sides of the imaginary box for calibration check in the noise model.
- 4.28 Residual measurements were made with all plant switched off, at the position shown in Figure 5.
- 4.29 Measurements were also made at 1m on all sides of the generator on site, with all other plant sources turned off.
- 4.30 Pictures of the measurement in progress are shown in Figure 6.

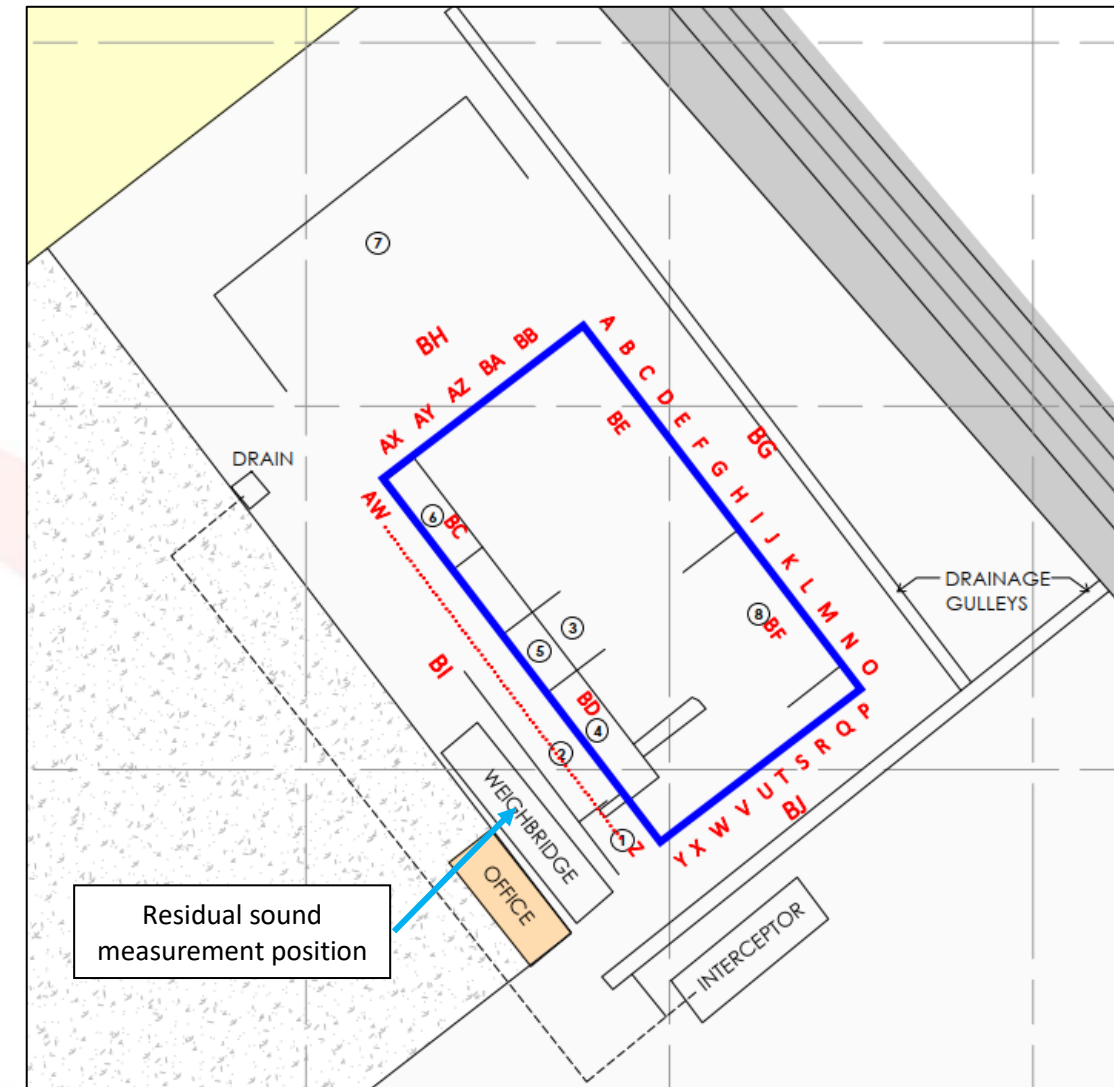


Figure 5: Plant source measurement positions



Figure 6: Pictures showing plant source measurements in progress

4.31 **Surrounding buildings, geography, and ground type**

- 4.32 The buildings surrounding the site have been included in the noise model, based on Google satellite and street view.
- 4.33 The site is set within an existing industrial estate, surrounded by other commercial/ industrial premises.
- 4.34 There are other industrial/ commercial premises in closer proximity to the NSRs in comparison to the site, which also provide shielding against the sources on site.
- 4.35 The ground type between the site and the NSRs include soft ground in the unoccupied land areas, and hard ground in the built areas.

5 Methodology

- 5.1 The guidance on Noise and vibration management: environmental permits, Reference 1, published by the Environmental Agency (EA) requires assessment of plant and operations following BS 4142, Reference 2, methodology.
- 5.2 BS 4142 defines an assessment method to quantify the potential level for adverse impact from commercial and / or industrial noise sources impacting upon sound sensitive receptors i.e. residential properties.
- 5.3 The specific sound source of an industrial/ commercial nature is rated according to BS 4142 and compared against the measured existing background sound environment, considering the context.
- 5.4 The rating level is calculated based on the specific sound level plus penalties due to perceptible sound features, including:
- **Tonality penalty**
It is stated in BS 4142 that tonality can be converted to a penalty of 2 dB for a tone which is just perceptible at the noise receptor, 4 dB where it is clearly perceptible, and 6 dB where it is highly perceptible.
 - **Impulsivity penalty**
It is stated that impulsivity can be converted to a penalty of 3 dB for impulsivity which is just perceptible at the noise receptor, 6 dB where it is clearly perceptible, and 9 dB where it is highly perceptible.
 - **Intermittency penalty**
If the intermittency is readily distinctive against the residual acoustic environment, a penalty of 3 dB can be applied.
 - **Other features penalty**
Penalties can be applied due to other readily distinguishable features.
- 5.5 The method estimates the impact significance by comparing the Rated noise against the background sound levels, as summarised below:
- a) Typically, the greater this difference, the greater the magnitude of the impact.
 - b) A difference of around +10 dB or more is likely to be an indication of a significant adverse impact, depending on the context.
 - c) A difference of around + 5dB is likely to be an indication of an adverse impact, depending on the context.

- d) The lower the rating level is relative to the measured background sound level, the less likely it is that the specific sound source will have an adverse impact or a significant adverse impact. Where the rating level does not exceed the background sound level, this is an indication of the specific sound sources having a low impact, depending on the context.
- 5.6 The terminology used in BS 4142 to describe the various levels of potential adverse impact in respect to the PPG-N noise hierarchy, are summarised in Appendix A.
- 5.7 The EA guidance identifies three levels of noise impact relating to the BS 4142 descriptors:
- Unacceptable level of audible or detectable noise, which corresponds to a BS 4142 significant adverse impact, and requires taking further action or reducing/ stopping operations;
 - Audible or detectable noise, which corresponds to a BS 4142 adverse impact, and requires using appropriate measures to prevent or, where this is not practicable minimise noise;
 - No noise, or barely audible or detectable noise, which corresponds to BS 4142 low impact or no impact.
- 5.8 The guidance also requires consideration of context when determining the impact.
- 5.9 **Prediction of sound levels**
- 5.10 Noise transmission and propagation is modelled to the noise sensitive receptors using proprietary software, CadnaA, Reference 3, which models noise propagation outdoors according to ISO 9613-2, Reference 4.
- 5.11 ISO 9613-2 is a widely used and accepted standard to calculate sound propagation outdoors. This standard includes sound reflection, sound diffraction over buildings, meteorological conditions, ground effects, and sound propagating over built-up areas. This is considered the most appropriate calculation method available for this assessment.

6 Equipment and meteorology

6.1 Equipment used

6.2 The equipment used in the background and source sound measurements are shown in Table 1.

Equipment	Model	Serial no.
Sound Level Meter	NTi XL2	A2A-05832-E0
Calibrator	Larson Davis CAL 200	9462
Sound Level Meter	NTi XL2	A2A-09585-E0
Calibrator	Larson Davis CAL 200	12573
Sound Level Meter	NTi XL2	A2A-12269-E0
Calibrator	Larson Davis CAL 200	13404
Weather station	Aercus Instruments WS2083	180619

Table 1: Equipment used

- 6.3 Meters and calibrators have current calibration certificates traceable to national standards. The sound level meters have been calibrated within the last two years and calibrators have been calibrated within the last year in accordance with the guidance of BS 4142; calibration certificates are available on request.
- 6.4 The equipment was field-calibrated before and after the measurements with no significant drift in sensitivity noted.
- 6.5 **Weather conditions**
- 6.6 The weather conditions were measured during the background sound measurements.
- 6.7 The weather station was left on site as suitable locations to safely leave it close to Positions 1 and 2 could not be identified.
- 6.8 The weather conditions at the site are considered representative for the background measurement locations as well.
- 6.9 The measured weather data for the operational period of the site is shown in Appendix B.
- 6.10 Wind speeds were below 5 m/s and there was little to no precipitation affecting the measurements. Although gusts during the noise measurement periods were occasionally higher than 5 m/s, this is not observed to have a significant impact on the measured background sound levels
- 6.11 As weather conditions are identified to not have any impact on the measurement, all measured data can be used in the assessment.

7 Noise monitoring data

- 7.1 The microphone was located 3 metres above ground level for the background sound measurements and 1.8 m above the ground level for source noise measurements.
- 7.2 The measurements were also made away from other reflecting surfaces such that they are considered free-field.
- 7.3 Data was recorded in one-third octave band frequencies at one-second intervals throughout the measurement periods.
- 7.4 **Background sound level**
- 7.5 A time history of the measured $L_{A90,1hr}$ and $L_{Aeq,T}$ levels are shown in Appendix C.
- 7.6 The background sound levels at positions 1 and 2, $L_{A90,1hr}$ is calculated from the L_r , $L_{Aeq,1hr}$ with results shown in Table 9 of Appendix C.
- 7.7 Statistical analysis is undertaken of the results of all the $L_{A90,1hr}$ data following the guidance of BS 4142, to determine a background sound level considered to be representative of the daytime operational period of the site. Results of the analysis are shown in Appendix C.
- 7.8 Based on the statistical analysis results, the background sound levels considered representative of the daytime assessment period are shown in Table 2.

Assessment period	Position	L_{A90} (dB)	Range of measured $L_{Aeq,T}$ (dB)
Daytime (07:00 – 17:00 hrs)	1	41	44 - 56
	2	40	50 - 55

Table 2: Background and range of existing residual sound levels representative of the assessment periods

- 7.9 The range of measured $L_{Aeq,T}$ levels at the measurement positions are also shown in Table 2.
- 7.10 **Source noise measurements**
- 7.11 Measurements made at 1 m from the imaginary box enclosing all plant at the site is shown in Table 10 of Appendix D.
- 7.12 The measurements at each position were made for a 30 second to 1 minute periods and captured full operation of all plant at the site.
- 7.13 The residual sound level, measured for a 6 minute period, with all plant at the site turned off is also shown in Table 12 of Appendix D, which is significantly lower than the ambient sound levels measured with the plant turned on. As such corrections for residual levels are not required.

- 7.14 Surface average sound pressure levels are calculated for each side of the imaginary box.
- 7.15 The dimensions of the imaginary box were determined on site as 22 m (L) x 12 m (W) x 3 m (H).
- 7.16 To calculate the sound power from the surface average sound pressure levels, the following equation is used:

$$L_w = L_p + 10 \log_{10}(S)$$

Where S is the measurement surface area (m^2), at a specified distance from the unit, i.e., 1 m.

- 7.17 The calculated sound power levels of each side of the imaginary box are shown in Table 3.

Side	L_w dB(A)	Octave band centre frequency, Hz Calculated A-weighted sound power level, dB								
		31.5	63	125	250	500	1000	2000	4000	8000
East	107	62	80	93	99	100	103	99	95	91
South	94	51	72	80	86	89	87	87	84	79
West	106	64	84	93	97	101	100	99	97	90
North	107	65	89	87	98	99	102	101	97	89
Top	116	67	88	100	105	111	109	108	106	101

Table 3: Calculated sound power level of the imaginary box enclosing all plant on site

- 7.18 Noise levels in single octave band centre frequencies have been determined from measured data in one-third octave band centre frequencies.
- 7.19 Similarly, the sound power level of the generator is also calculated from the surface average sound pressure level determined from measurements on all sides of the generator as shown in Table 11 of Appendix D.

Plant	L_w dB(A)	Octave band centre frequency, Hz Calculated A-weighted sound power level, dB								
		31.5	63	125	250	500	1000	2000	4000	8000
Generator	108	62	84	95	101	105	94	95	92	85

Table 4: Calculated sound power level of generator

- 7.20 Detailed calculations are shown in the supplementary data excel sheet.
- 7.21 The measurements made at 5 m from the sides of the imaginary box enclosing the plant are also shown in Table 11 of Appendix D, which are used to validate the source calibration in the noise model.

7.22 **Other sources**

7.23 It is understood that up to two HGV movements occur within the site within any 1 hour period.

7.24 The noise from HGV movements is assessed based on previously measured representative data.

7.25 Noise measurements used are shown in Appendix E, and the calculated sound power is shown in Table 5 below.

HGV movement	Single-octave band centre frequency (Hz) A-weighted sound power levels (dB)							dB(A)
	63	125	250	500	1k	2k	4k	
Sound power level	75	77	83	86	91	87	80	93

Table 5: HGV sound power

8 Noise impact assessment

8.1 **Operation times**

8.2 All plant is assumed to operate continuously during the daytime 1-hour assessment period; this is a prudent assumption.

8.3 **Noise transmission and propagation**

8.4 Noise transmission and propagation is modelled to the NSRs based on the noise source data detailed, using proprietary software, CadnaA.

8.5 This models noise propagation outdoors according to ISO 9613.

8.6 The model parameters and assumptions are summarised in Appendix F.

8.7 The plant associated with the development is modelled as area sources and attributed the sound power levels shown in Table 3.

8.8 This is considered worst case as in practice, the entire area would not have the calculated sound power level; it would be individual plant sources or certain sections of plant sources which have the sound power level, and other areas would have a lower sound power level. The modelling is therefore considered prudent, and noise levels in practice are anticipated to be lower.

8.9 The measurements at 5 m from the box is used to apply corrections to the area sources as required to achieve the same levels as measured.

8.10 The generator is modelled as a point source and attributed the sound power level shown in Table 4.

8.11 The resulting sound power of two HGV movements for the 1-hour assessment period is calculated in the noise model as a moving point source along the yard based on observations made on site and on the basis on the sound power level as shown in Table 5 and considering the HGVs travel at a speed of 10 km/h.

8.12 Assessment results – based on current operation

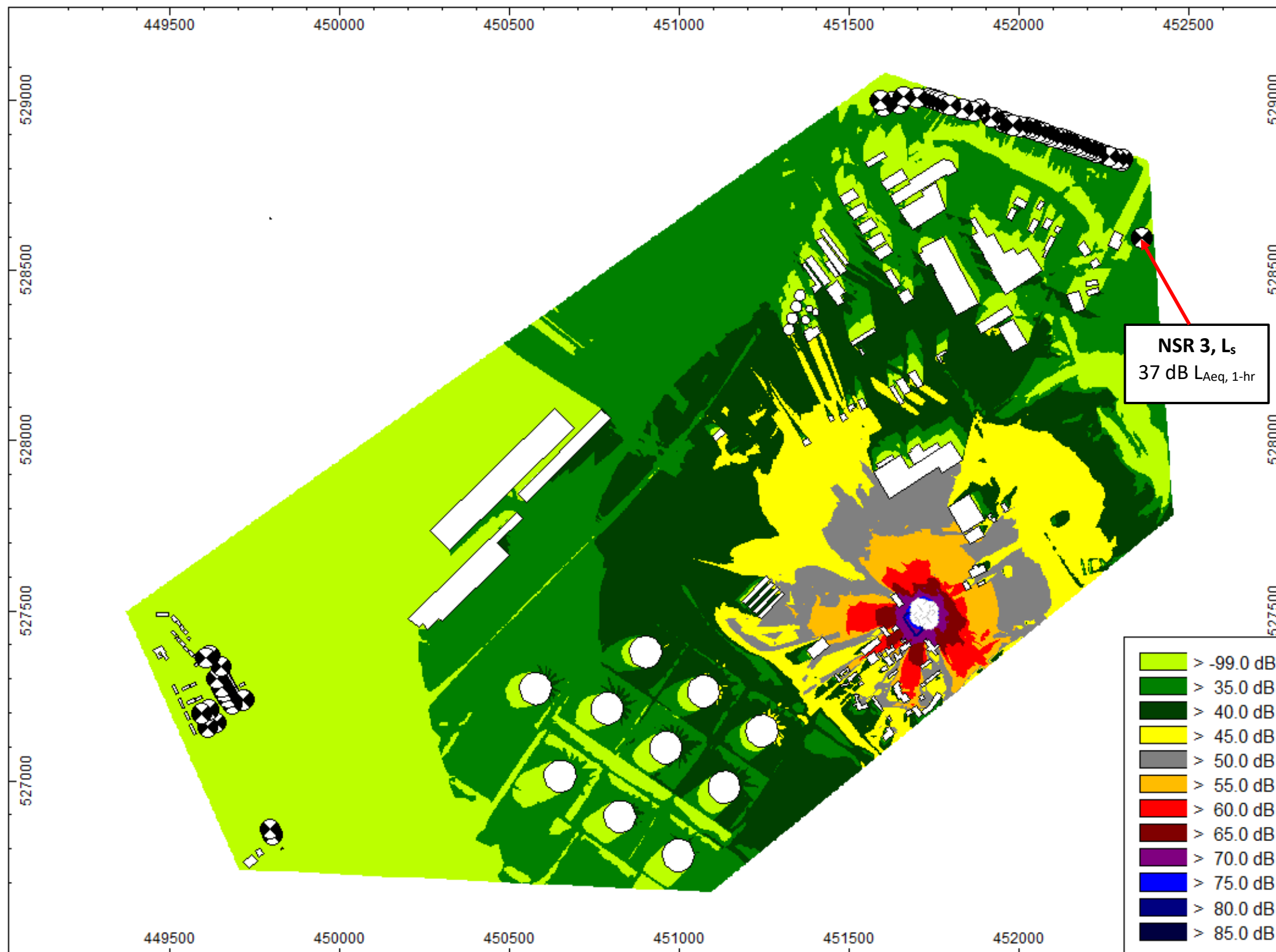


Figure 7: Sound contours at 1.5 m (ground floor window height), showing the calculated specific sound level, $L_{Aeq, 1hr}$ based on current operation

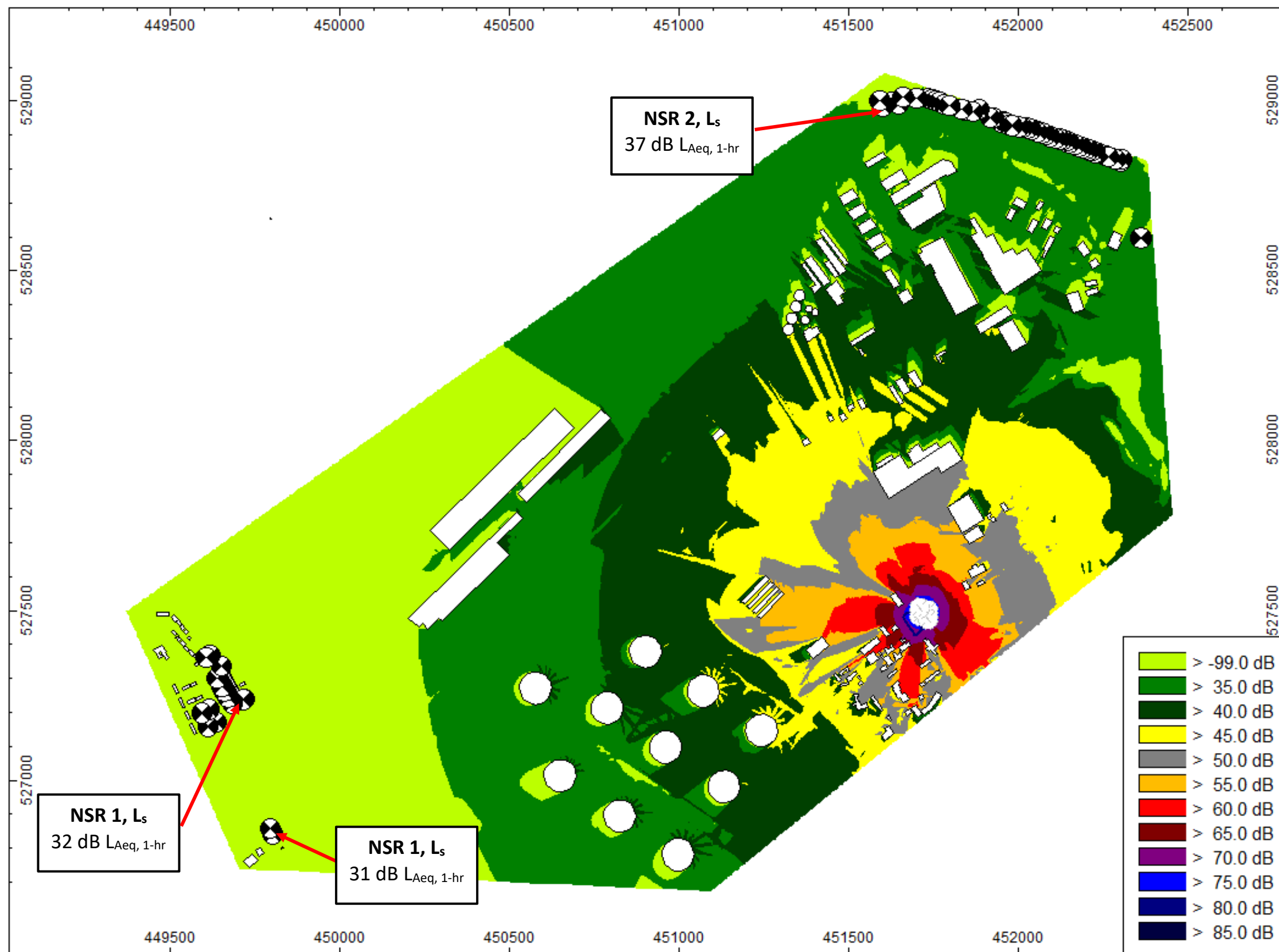


Figure 8: Sound contours at 4 m (first floor window height which is worst case for NSRs 1 and 2), showing the calculated specific sound level, L_{Aeq, 1 hr} based on current operation

Parameter	Daytime assessment			Relevant clause of BS 4142	Commentary
	NSR 1	NSR 2	NSR 3		
Background sound level	41 dB $L_{A90, 1hr}$	40 dB $L_{A90, 1hr}$	40 dB $L_{A90, 1hr}$	8.1.2 8.1.4	Considered representative of the assessment period based on statistical analysis detailed in Appendix C.
Specific sound level L_s , due to all sources for the required assessment interval	32 dB $L_{Aeq, 1hr}$	37 dB $L_{Aeq, 1hr}$	37 dB $L_{Aeq, 1hr}$	7.2 7.3.6	The calculated L_s contours across the site due to all sources during the assessment period are shown in Figure 7 and Figure 8; the L_s assessed is the highest calculated level at the NSRs.
Acoustic feature correction	0 dB	0 dB	0 dB	9.2	The calculated specific levels at the NSRs are significantly lower than the lowest measured $L_{Aeq,T}$ levels at the NSRs, as shown in Table 2. Any acoustic features associated with the plant and operations at the site are not likely to be distinguishable at the NSRs against the existing residual levels and considering the distance to the site and shielding provided by other industrial buildings between the site and NSRs. Acoustic feature corrections are therefore not considered applicable.
Rating level, $L_{Ar,Tr}$	32 dB	37 dB	37 dB		
Uncertainty of assessment				10	Section 9
Excess of $L_{Ar,Tr}$ over background sound level	- 9 dB	- 3 dB	- 3 dB	11	<p>The rated noise impact due to plant and operations at the site do not exceed the background sound level at the NSRs. The rated impact is also at least 12 dB and 13 dB below the lowest measured existing residual $L_{Aeq,T}$ levels at the NSRs, and as such unlikely to be distinguishable against residual road traffic sources. Based on a 13-15 dB level difference through a partially open window, the internal levels at the NSRs due to plant and operations will be significantly lower than BS 8233 guideline limits for daytime resting. The modelling is also considered prudent, whereby noise levels due to the site impacting on the NSRs in practice are anticipated to be lower than that predicted.</p> <p>The site is located within an existing industrial site, with other industrial/ commercial sites located closer to the NSRs which are likely to have a higher noise impact on the NSRs.</p> <p>Considering the calculated rated noise impact and the context as discussed above, the assessment result indicates the likelihood of a low impact when assessed in accordance with BS 4142 guidance. This may be considered a barely audible or detectable noise as defined in the EA guidance.</p>

Table 6: BS 4142 assessment results, based on current operation

9 Noise control

- 9.1 The noise levels at the identified NSRs due to plant and operations at the site are likely result in a low impact during normal operation. The site is also located at least 1200 m from the noise sensitive receptors. The uncertainty of the assessment is unlikely to change the assessment output. Considering the above, it is not necessary to implement noise control measures.

10 Uncertainty of assessment

- 10.1 The background sound levels were measured over three consecutive days to minimise the uncertainty due to noise level fluctuations.
- 10.2 Wind speeds were below 5 m/s. Although gusts during the noise measurement periods were occasionally higher than 5 m/s, this is not observed to have a significant impact on the measured background sound levels. Also, as the measurement period is long enough to make most of the noise data be recorded at suitable meteorological conditions, the uncertainty due to weather conditions were minimised.
- 10.3 The weather measurements were not made immediately adjacent to the background measurement positions due to unavailability of suitable locations to leave the equipment unattended. The measurement was made within the site and is considered representative of the weather conditions at Positions 1 and 2 as well.
- 10.4 Position 1 is close to the NSRs on Saltaire Terrace. This is considered representative of the existing sound environment at the NSRs on Marsh House Lane as well considering the same road running by both NSRs.
- 10.5 Position 2 was located away from the A178 and is therefore considered prudent for all dwellings considered as NSR 2.
- 10.6 Background sound levels were measured when the site is operational. Noise from the site were however not identifiable at positions 1 and 2, and the measurements were dominated by road traffic noise and operations of other nearby industrial premises. These premises also shielded the NSRs to some extent from the site. The background sound levels are therefore considered representative. This is further validated by the fact that background sound levels (as reported in the supplementary data) remain the same or increases after 17:00 hours when the site closes, indicating the operation of the site does not have an impact on the background measurements. The increase in background sound levels in the morning after 07:00 hours is identified to be due to increase in road traffic.
- 10.7 Uncertainty in the calculated impact has been reduced by the use of a calculation method in accordance with ISO 9613-2.
- 10.8 The modelling of plant is considered worst case as discussed in Para 8.8. Noise levels in practice are anticipated to be lower than that predicted by the noise model.
- 10.9 The above uncertainties are unlikely to change the output of the assessment.

11 Conclusion

- 11.1 Noise from plant were measured at the site, and of HGV movements determined from previous measurements.
- 11.2 Representative background sound levels at the nearby noise sensitive receptors were also measured.
- 11.3 Noise impact from the proposed permit application site has been assessed according to BS 4142. The noise impacts on all identified noise sensitive receptors are likely to be low. It is considered that additional noise control measures are not necessary.

12 References

- 1 Guidance – Noise and vibration management: Environmental permits, Environmental Agency, Updated 31 January 2022.
<https://www.gov.uk/government/publications/noise-and-vibration-management-environmental-permits/noise-and-vibration-management-environmental-permits#step-3-source-assessment>
- 2 BS 4142 2014: A1+2019, Method for rating and assessing industrial and commercial sound.
- 3 CadnaA environmental noise modelling software, version 2023, Datakustik GmbH.
- 4 ISO 9613: Acoustics - Attenuation of sound during propagation outdoors.
- 5 Site layout Plan (002, Rev. 0), CNC, 104-105 Graythorp Industrial Estate TS25 2DF – EA Permit Application, June 2023.
- 6 DEFRA LIDAR height data, 2022
<https://environment.data.gov.uk/DefraDataDownload/?Mode=survey>
- 7 ISO 12913-1:2014 Acoustics, Soundscape, Part 1: Definition and conceptual framework

Appendix A Noise exposure hierarchy

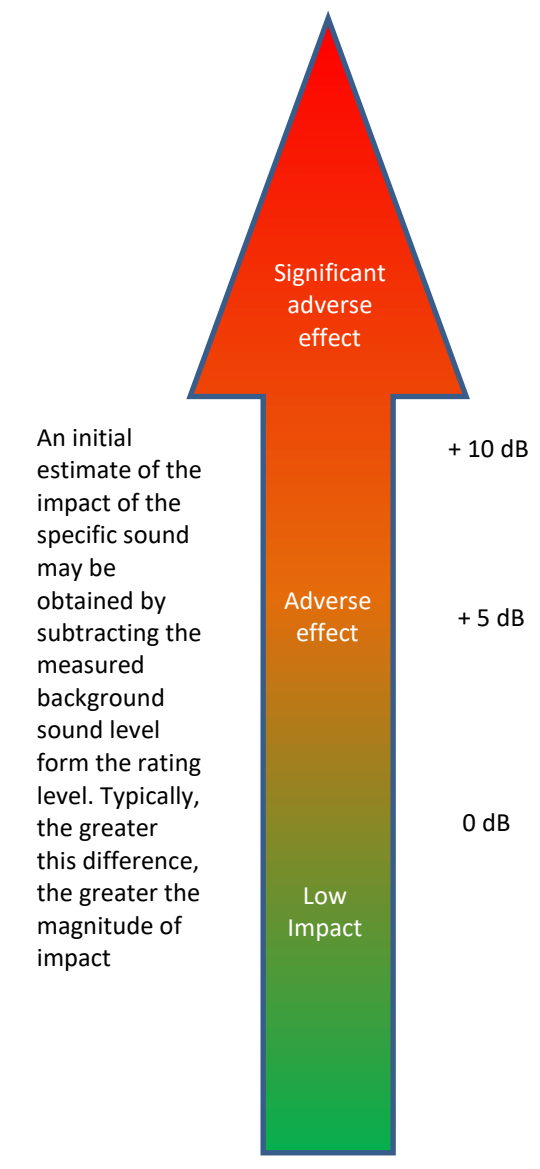
Planning Practice Guidance - Noise				BS 4142: Initial estimate of external noise risk significance
Noise	Example of outcomes	Increasing effect level	Action	
Present and very distributive	Extensive and regular changes in behaviour, attitude or other physiological response and/or an inability to mitigate effect of noise leading to psychological stress, e.g. regular sleep deprivation/awakening; loss of appetite, significant, medically definable harm, e.g. auditory and non-auditory	Unacceptable Adverse Effect	Prevent	 <p>An initial estimate of the impact of the specific sound may be obtained by subtracting the measured background sound level from the rating level. Typically, the greater this difference, the greater the magnitude of impact</p>
Present and distributive	The noise causes a material change in behaviour, attitude or other physiological response, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area.	Significant Observed Adverse Effect	Avoid	
Significant Observed Adverse Effect Level (SOAEL)				
Present and intrusive	Noise can be heard and causes small changes in behaviour, attitude or other physiological response, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a small actual or perceived change in the quality of life.	Observed Adverse Effect	Mitigate and reduce to a minimum	
Lowest Observed Adverse Effect Level (LOAEL)				
Present and not intrusive	Noise can be heard, but does not cause any change in behaviour, attitude or other physiological response. Can slightly affect the acoustic character of the area but not such that there is a change in the quality of life.	No Observed Adverse Effect	No specific measures required	
No Observed Adverse Effect Level (NOAEL)				
Not present	No effect	No Observed Effect	No specific measures required	
No Observed Effect Level (NOEL)				

Table 7: PPG-N Noise Exposure Hierarchy and BS 4142 initial estimate of impact

Appendix B Weather data

B.1 The measured weather data during the operational hours of the site are shown in Table 8. Full set of measurements are reported in the supplementary data excel sheet.

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
14/11/2023 16:03:31	9.6	0.3	SW	0
14/11/2023 16:08:31	9.4	0	SW	0
14/11/2023 16:13:31	9.3	0	SW	0
14/11/2023 16:18:31	9.3	0	SW	0
14/11/2023 16:23:31	9.2	0	SW	0
14/11/2023 16:28:31	9.1	0	SW	0
14/11/2023 16:33:31	9	0	SW	0
14/11/2023 16:38:31	9	0	SW	0
14/11/2023 16:43:31	9	0	SW	0
14/11/2023 16:48:31	9.1	0	SW	0
14/11/2023 16:53:31	9.1	0	SW	0
14/11/2023 16:58:31	9.1	0	SW	0
15/11/2023 07:02:31	9.5	1.7	NE	0
15/11/2023 07:07:31	9.5	2.4	N	0
15/11/2023 07:12:31	9.5	2	ENE	0
15/11/2023 07:17:31	9.5	2.7	NE	0
15/11/2023 07:22:31	9.3	2	E	0
15/11/2023 07:27:31	9.2	2	NE	0
15/11/2023 07:32:31	9.1	2.4	NE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
15/11/2023 07:37:31	9.1	2.7	NE	0
15/11/2023 07:42:31	9.3	2.7	ENE	0
15/11/2023 07:47:31	9.3	2	ENE	0
15/11/2023 07:52:31	9.1	2.4	N	0
15/11/2023 07:57:31	9	2.7	NE	0
15/11/2023 08:02:31	9	2	NE	0
15/11/2023 08:07:31	8.9	2	NE	0
15/11/2023 08:12:31	8.9	1.7	NE	0
15/11/2023 08:17:31	8.9	2	NE	0
15/11/2023 08:22:31	8.9	1.7	NE	0
15/11/2023 08:27:31	8.8	1.4	NE	0
15/11/2023 08:32:31	8.8	1.4	NE	0
15/11/2023 08:37:31	8.8	1.4	NE	0
15/11/2023 08:42:31	8.9	2	NE	0
15/11/2023 08:47:31	9.1	2	NE	0
15/11/2023 08:52:31	9.5	2.7	ESE	0
15/11/2023 08:57:31	9.8	1.4	E	0
15/11/2023 09:02:31	9.9	1.4	NE	0
15/11/2023 09:07:31	10	2.4	NE	0
15/11/2023 09:12:31	10.2	1.7	E	0
15/11/2023 09:17:31	10.4	2	E	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
15/11/2023 09:22:31	10.6	2.7	NE	0
15/11/2023 09:27:31	10.6	1.7	E	0
15/11/2023 09:32:31	10.7	2	E	0
15/11/2023 09:37:31	10.8	2.7	NE	0
15/11/2023 09:42:31	11.1	2.4	E	0
15/11/2023 09:47:31	11.2	3.1	SE	0
15/11/2023 09:52:31	11.2	3.7	E	0
15/11/2023 09:57:31	11.1	4.1	E	0
15/11/2023 10:02:31	11	2.7	E	0
15/11/2023 10:07:31	10.9	2.7	E	0
15/11/2023 10:12:31	11	2.7	SE	0
15/11/2023 10:17:31	10.9	3.4	SE	0
15/11/2023 10:22:31	10.9	3.7	E	0
15/11/2023 10:27:31	10.9	4.1	E	0
15/11/2023 10:32:31	11	2.7	SE	0
15/11/2023 10:37:31	11.2	3.7	E	0
15/11/2023 10:42:31	11.3	4.1	SE	0
15/11/2023 10:47:31	11.6	3.7	S	0
15/11/2023 10:52:31	11.7	2.7	SSE	0
15/11/2023 10:57:31	11.8	3.4	S	0
15/11/2023 11:02:31	11.7	4.1	S	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
15/11/2023 11:07:31	11.6	4.1	SE	0
15/11/2023 11:12:31	11.6	2.7	S	0
15/11/2023 11:17:31	11.7	4.4	SE	0
15/11/2023 11:22:31	11.8	3.7	E	0
15/11/2023 11:27:31	11.8	3.1	S	0
15/11/2023 11:32:31	11.7	2.7	S	0
15/11/2023 11:37:31	11.7	4.8	S	0
15/11/2023 11:42:31	11.6	3.7	S	0
15/11/2023 11:47:31	11.4	3.4	SE	0
15/11/2023 11:52:31	11.4	4.4	S	0
15/11/2023 11:57:31	11.3	3.7	SE	0
15/11/2023 12:02:31	11.3	4.1	SW	0
15/11/2023 12:07:31	11.6	2.4	SE	0
15/11/2023 12:12:31	11.6	3.1	S	0
15/11/2023 12:17:31	11.5	2.7	SSE	0
15/11/2023 12:22:31	11.2	3.4	SE	0
15/11/2023 12:27:31	11.6	3.1	S	0
15/11/2023 12:32:31	11.8	2.4	S	0
15/11/2023 12:37:31	11.8	4.4	S	0
15/11/2023 12:42:31	11.4	4.4	SSE	0
15/11/2023 12:47:31	11.2	2.7	S	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
15/11/2023 12:52:31	11.1	4.4	S	0
15/11/2023 12:57:31	10.9	4.8	S	0
15/11/2023 13:02:31	10.8	3.7	SSE	0
15/11/2023 13:07:31	10.8	3.4	SE	0
15/11/2023 13:12:31	10.9	3.1	S	0
15/11/2023 13:17:31	10.8	2.7	SE	0
15/11/2023 13:22:31	10.6	3.4	SE	0
15/11/2023 13:27:31	10.4	3.4	S	0
15/11/2023 13:32:31	10.4	3.1	SW	0
15/11/2023 13:37:31	10.3	2.4	SW	0
15/11/2023 13:42:31	10.3	3.1	S	0
15/11/2023 13:47:31	10.2	2.7	W	0
15/11/2023 13:52:31	10.2	2	SE	0
15/11/2023 13:57:31	10.1	3.4	S	0
15/11/2023 14:02:31	10	3.4	SW	0
15/11/2023 14:07:31	9.9	2	SW	0
15/11/2023 14:12:31	10	3.4	SW	0
15/11/2023 14:17:31	10.1	2.4	SW	0
15/11/2023 14:22:31	10	3.4	W	0
15/11/2023 14:27:31	9.9	2.7	SW	0
15/11/2023 14:32:31	10	2	SW	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
15/11/2023 14:37:31	9.9	3.1	SW	0
15/11/2023 14:42:31	9.8	2	SW	0
15/11/2023 14:47:31	9.7	1.7	S	0
15/11/2023 14:52:31	9.6	1.4	SW	0
15/11/2023 14:57:31	9.6	2.4	SW	0
15/11/2023 15:02:31	9.5	1.7	SW	0
15/11/2023 15:07:31	9.5	1	S	0
15/11/2023 15:12:31	9.5	1	SSW	0
15/11/2023 15:17:31	9.5	1.7	SW	0
15/11/2023 15:22:31	9.5	1.7	SW	0
15/11/2023 15:27:31	9.5	0.3	SSW	0
15/11/2023 15:32:31	9.5	0.7	SW	0
15/11/2023 15:37:31	9.5	0.7	SW	0
15/11/2023 15:42:31	9.4	0.3	S	0
15/11/2023 15:47:31	9.4	0.3	S	0
15/11/2023 15:52:31	9.3	0.7	S	0
15/11/2023 15:57:31	9.3	0.7	S	0
15/11/2023 16:02:31	9.3	0	S	0
15/11/2023 16:07:31	9.2	0	SE	0
15/11/2023 16:12:31	9.2	0	S	0
15/11/2023 16:17:31	9.1	0.3	S	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
15/11/2023 16:22:31	9.1	0.3	S	0
15/11/2023 16:27:31	9	0	S	0
15/11/2023 16:32:31	9	0	S	0
15/11/2023 16:37:31	8.9	0	SW	0
15/11/2023 16:42:31	9	1.4	SW	0
15/11/2023 16:47:31	9.1	1.4	SW	0
15/11/2023 16:52:31	9.2	1	NW	0
15/11/2023 16:57:31	9.2	0.3	S	0
16/11/2023 07:02:31	5.3	0	W	0
16/11/2023 07:07:31	5.1	0	W	0
16/11/2023 07:12:31	4.9	0	S	0
16/11/2023 07:17:31	5	0.3	E	0
16/11/2023 07:22:31	5	0	E	0
16/11/2023 07:27:31	5.1	0	E	0
16/11/2023 07:32:31	5.2	0	E	0
16/11/2023 07:37:31	5.3	0	N	0
16/11/2023 07:42:31	5.5	0	NW	0
16/11/2023 07:47:31	5.6	0	SW	0
16/11/2023 07:52:31	5.6	0	SW	0
16/11/2023 07:57:31	5.6	0	SW	0
16/11/2023 08:02:31	5.7	0.3	SE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
16/11/2023 08:07:31	5.8	0.3	SE	0
16/11/2023 08:12:31	5.9	0	S	0
16/11/2023 08:17:31	6	0	NW	0
16/11/2023 08:22:31	6.1	0	NW	0
16/11/2023 08:27:31	6.2	0	NW	0
16/11/2023 08:32:31	6.2	0	NW	0
16/11/2023 08:37:31	6.3	0	SE	0
16/11/2023 08:42:31	6.4	0.3	SE	0
16/11/2023 08:47:31	6.6	0	SE	0
16/11/2023 08:52:31	6.7	0	SE	0
16/11/2023 08:57:31	7	0	NE	0
16/11/2023 09:02:31	7.2	0	NW	0
16/11/2023 09:07:31	7.3	0.7	NE	0
16/11/2023 09:12:31	7.6	0.3	NE	0
16/11/2023 09:17:31	7.7	0	N	0
16/11/2023 09:22:31	7.9	0.7	N	0
16/11/2023 09:27:31	8.1	0.7	ENE	0
16/11/2023 09:32:31	8.2	0.3	E	0
16/11/2023 09:37:31	8.3	1	E	0
16/11/2023 09:42:31	8.4	0.7	NE	0
16/11/2023 09:47:31	8.4	0.7	NE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
16/11/2023 09:52:31	8.5	1	NE	0
16/11/2023 09:57:31	8.5	1	E	0
16/11/2023 10:02:31	8.6	0.3	NE	0
16/11/2023 10:07:31	8.5	0.7	NE	0
16/11/2023 10:12:31	8.6	1	E	0
16/11/2023 10:17:31	8.6	1	NE	0
16/11/2023 10:22:31	8.6	0.3	E	0
16/11/2023 10:27:31	8.6	1	E	0
16/11/2023 10:32:31	8.7	1	E	0
16/11/2023 10:37:31	8.7	0.7	E	0
16/11/2023 10:42:31	8.7	1.4	ENE	0
16/11/2023 10:47:31	8.7	1	E	0
16/11/2023 10:52:31	8.7	0.7	SE	0
16/11/2023 10:57:31	8.7	1.4	E	0
16/11/2023 11:02:31	8.6	1.7	E	0
16/11/2023 11:07:31	8.6	1	E	0
16/11/2023 11:12:31	8.7	1.4	E	0
16/11/2023 11:17:31	8.7	1	SE	0
16/11/2023 11:22:31	8.7	1.4	NE	0
16/11/2023 11:27:31	8.7	1	E	0
16/11/2023 11:32:31	8.7	1	E	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
16/11/2023 11:37:31	8.7	1.4	NE	0
16/11/2023 11:42:31	8.8	0.7	SE	0
16/11/2023 11:47:31	8.8	0.7	SSE	0
16/11/2023 11:52:31	8.8	1	SE	0
16/11/2023 11:57:31	8.8	1	SE	0
16/11/2023 12:02:31	8.8	0.7	SE	0
16/11/2023 12:07:31	8.8	1	SE	0
16/11/2023 12:12:31	8.8	1	SE	0
16/11/2023 12:17:31	8.8	0.7	SE	0
16/11/2023 12:22:31	8.9	0.7	SE	0
16/11/2023 12:27:31	8.9	0.7	SE	0
16/11/2023 12:32:31	8.9	1	SE	0
16/11/2023 12:37:31	8.9	0.7	E	0
16/11/2023 12:42:31	8.8	1	E	0
16/11/2023 12:47:31	8.9	1.4	SE	0
16/11/2023 12:52:31	8.9	1	SE	0
16/11/2023 12:57:31	9	1	SE	0
16/11/2023 13:02:31	9	0.7	E	0
16/11/2023 13:07:31	9.1	0.3	E	0
16/11/2023 13:12:31	9.3	0.7	SSW	0
16/11/2023 13:17:31	9.5	0.3	ENE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
16/11/2023 13:22:31	9.5	0.3	E	0
16/11/2023 13:27:31	9.5	0.7	E	0
16/11/2023 13:32:31	9.4	0.7	SE	0
16/11/2023 13:37:31	9.4	0.3	SE	0
16/11/2023 13:42:31	9.3	0.7	NE	0
16/11/2023 13:47:31	9.3	0.7	NE	0
16/11/2023 13:52:31	9.3	0.3	E	0
16/11/2023 13:57:31	9.3	0.3	E	0
16/11/2023 14:02:31	9.3	0	SE	0
16/11/2023 14:07:31	9.3	0.3	E	0
16/11/2023 14:12:31	9.2	0	SE	0
16/11/2023 14:17:31	9.2	0.3	SE	0
16/11/2023 14:22:31	9.2	0.7	E	0
16/11/2023 14:27:31	9.2	0.7	NE	0
16/11/2023 14:32:31	9.2	1	SE	0
16/11/2023 14:37:31	9.1	1	E	0
16/11/2023 14:42:31	9	2	E	0
16/11/2023 14:47:31	8.8	1	SE	0.01
16/11/2023 14:52:31	8.7	1	NE	0.01
16/11/2023 14:57:31	8.6	0.7	NE	0.01
16/11/2023 15:02:31	8.5	1	NE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
16/11/2023 15:07:31	8.5	1	NE	0
16/11/2023 15:12:31	8.4	1	NE	0
16/11/2023 15:17:31	8.4	0.7	E	0
16/11/2023 15:22:31	8.4	0	NE	0
16/11/2023 15:27:31	8.4	0.7	NE	0
16/11/2023 15:32:31	8.4	0.7	NE	0
16/11/2023 15:37:31	8.4	0.3	N	0
16/11/2023 15:42:31	8.4	0	NE	0
16/11/2023 15:47:31	8.3	0.3	N	0
16/11/2023 15:52:31	8.3	0.3	N	0
16/11/2023 15:57:31	8.3	0.7	E	0
16/11/2023 16:02:31	8.4	0.7	E	0
16/11/2023 16:07:31	8.4	0.7	NE	0
16/11/2023 16:12:31	8.3	1	NE	0
16/11/2023 16:17:31	8.3	1	NE	0
16/11/2023 16:22:31	8.3	0.7	N	0
16/11/2023 16:27:31	8.3	0.7	N	0
16/11/2023 16:32:31	8.3	1	NE	0
16/11/2023 16:37:31	8.3	0.3	NE	0
16/11/2023 16:42:31	8.4	1.4	E	0
16/11/2023 16:47:31	8.5	0.7	E	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
16/11/2023 16:52:31	8.5	1	N	0
16/11/2023 16:57:31	8.4	1	NE	0
17/11/2023 07:00:31	5.8	0.7	NE	0
17/11/2023 07:05:31	5.8	0.7	E	0
17/11/2023 07:10:31	5.7	0.7	NE	0
17/11/2023 07:15:31	5.6	0.7	E	0
17/11/2023 07:20:31	5.6	0.7	E	0
17/11/2023 07:25:31	5.6	1	E	0
17/11/2023 07:30:31	5.6	1	E	0
17/11/2023 07:35:31	5.5	0	E	0
17/11/2023 07:40:31	5.3	0	NE	0
17/11/2023 07:45:31	5.4	1	E	0
17/11/2023 07:50:31	5.4	1.4	E	0
17/11/2023 07:55:31	5.5	1	E	0
17/11/2023 08:00:31	5.5	1	SE	0
17/11/2023 08:05:31	5.5	0.7	E	0
17/11/2023 08:10:31	5.5	0.7	E	0
17/11/2023 08:15:31	5.6	0.3	SE	0
17/11/2023 08:20:31	5.6	0.3	SE	0
17/11/2023 08:25:31	5.7	1	NE	0
17/11/2023 08:30:31	5.8	1	E	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
17/11/2023 08:35:31	5.8	0.3	NE	0
17/11/2023 08:40:31	5.8	0.7	NE	0
17/11/2023 08:45:31	5.8	0.3	E	0
17/11/2023 08:50:31	5.8	0.3	N	0
17/11/2023 08:55:31	5.8	1	NE	0
17/11/2023 09:00:31	5.8	0.3	E	0
17/11/2023 09:05:31	5.8	1	E	0
17/11/2023 09:10:31	5.9	0.3	E	0
17/11/2023 09:15:31	6	1.4	NE	0
17/11/2023 09:20:31	6	0.7	E	0
17/11/2023 09:25:31	6.1	0.3	SE	0
17/11/2023 09:30:31	6.1	0.7	E	0
17/11/2023 09:35:31	6.2	0.7	E	0
17/11/2023 09:40:31	6.3	0.7	E	0
17/11/2023 09:45:31	6.5	0.3	SW	0
17/11/2023 09:50:31	6.6	0.3	E	0
17/11/2023 09:55:31	6.7	0.7	E	0
17/11/2023 10:00:31	6.8	1	NE	0
17/11/2023 10:05:31	6.9	2	E	0
17/11/2023 10:10:31	6.7	1	N	0
17/11/2023 10:15:31	6.9	1	NE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
17/11/2023 10:20:31	7.3	0.3	NE	0
17/11/2023 10:25:31	8.1	0.7	E	0
17/11/2023 10:30:31	8.2	1.4	SE	0
17/11/2023 10:35:31	8.3	1	NE	0
17/11/2023 10:40:31	8.4	1.4	NE	0
17/11/2023 10:45:31	8.4	1	E	0
17/11/2023 10:50:31	8.6	0.7	NE	0
17/11/2023 10:55:31	8.8	1	SE	0
17/11/2023 11:00:31	9	1.4	SE	0
17/11/2023 11:05:31	9.1	0.7	E	0
17/11/2023 11:10:31	9.4	0.3	W	0
17/11/2023 11:15:31	10	0.3	E	0
17/11/2023 11:20:31	9.8	0.7	NE	0
17/11/2023 11:25:31	9.6	1.4	NE	0
17/11/2023 11:30:31	9.5	1	N	0
17/11/2023 11:35:31	9.7	1	NE	0
17/11/2023 11:40:31	9.6	2	E	0
17/11/2023 11:45:31	9.7	1.4	NE	0
17/11/2023 11:50:31	9.8	1	NE	0
17/11/2023 11:55:31	9.9	1.4	E	0
17/11/2023 12:00:31	9.9	1	NE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
17/11/2023 12:05:31	9.9	1	E	0
17/11/2023 12:10:31	10	1.7	NE	0
17/11/2023 12:15:31	10	1.4	NE	0
17/11/2023 12:20:31	10.1	1.4	NE	0
17/11/2023 12:25:31	10	2	NE	0
17/11/2023 12:30:31	9.4	1.4	NE	0
17/11/2023 12:35:31	9.6	1.4	NE	0
17/11/2023 12:40:31	9.8	1.7	NE	0
17/11/2023 12:45:31	9.8	2	NE	0
17/11/2023 12:50:31	9.8	1.4	NE	0
17/11/2023 12:55:31	9.7	1.4	E	0
17/11/2023 13:00:31	9.6	1.4	N	0
17/11/2023 13:05:31	9.6	1.7	E	0
17/11/2023 13:10:31	9.6	1.4	NE	0
17/11/2023 13:15:31	10	1.4	NE	0
17/11/2023 13:20:31	10.2	0.7	NE	0
17/11/2023 13:25:31	10.2	1.4	NE	0
17/11/2023 13:30:31	10.1	1	NE	0
17/11/2023 13:35:31	10	1.4	ENE	0
17/11/2023 13:40:31	10	1	E	0
17/11/2023 13:45:31	10	1	NE	0

Date/ Time (hh:mm:ss)	Outdoor Temperature (°C)	Wind speed (m/s)	Wind direction	Hour Rainfall (inch)
17/11/2023 13:50:31	10	1	NE	0
17/11/2023 13:55:31	9.9	0.7	N	0
17/11/2023 14:00:31	10	0.7	NE	0
17/11/2023 14:05:31	9.8	0.7	NE	0
17/11/2023 14:10:31	9.7	0.7	NE	0
17/11/2023 14:15:31	9.6	0.7	NNE	0
17/11/2023 14:20:31	9.5	0.7	N	0
17/11/2023 14:25:31	9.5	0.3	NE	0
17/11/2023 14:30:31	9.4	0	NE	0

Table 8: Measured weather data

Appendix C Residual and background sound levels

C.1 Measurement time history

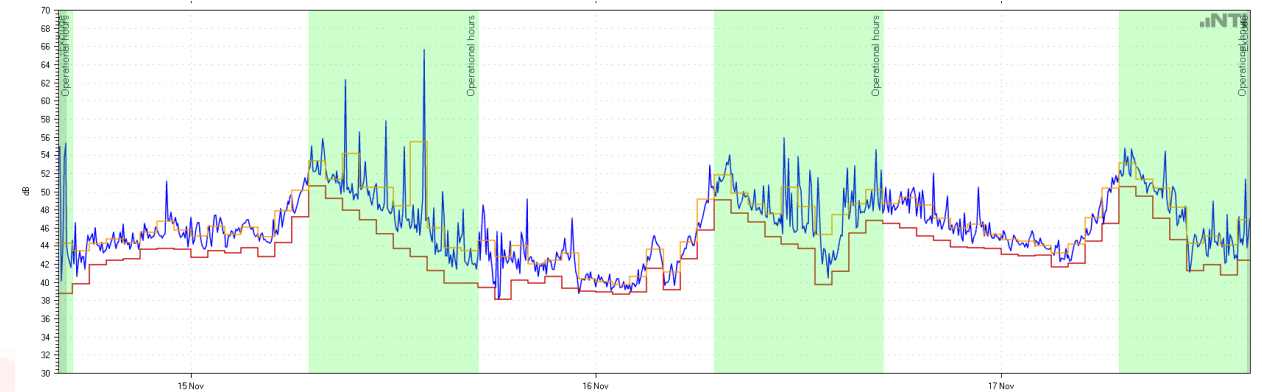


Figure 9: Residual sound level time history, LA90,1hr (red), LAeq,5min (blue), and LAeq,1hr (orange) levels – Position 1

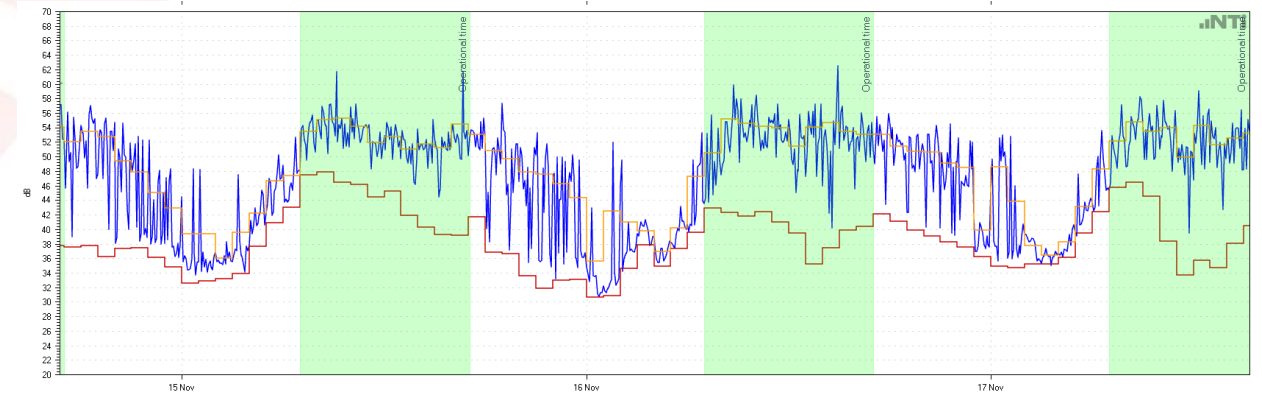


Figure 10: Residual sound level time history, LA90,1hr (red), LAeq,5min (blue), and LAeq,1hr (orange) levels – Position 2

C.2 Background and residual sound level data

C.3 The measured daytime LA90,1hr and LAeq,1hr levels during the operational period of the site are shown in Table 9. Complete measurement data is included in the supplementary data excel sheet.

Date/Time (hh:mm)	Position 1		Position 2	
	LAeq,1hr (dB)	LA90,1hr (dB)	LAeq,1hr (dB)	LA90,1hr (dB)
14/11/2023 16:00	44	39	-	-
15/11/2023 07:00	53	51	54	48
15/11/2023 08:00	51	49	55	48
15/11/2023 09:00	54	48	55	47
15/11/2023 10:00	51	47	54	46

Date/Time (hh:mm)	Position 1		Position 2	
	L _{Aeq,1hr} (dB)	L _{A90, 1hr} (dB)	L _{Aeq,1hr} (dB)	L _{A90, 1hr} (dB)
15/11/2023 11:00	50	45	52	44
15/11/2023 12:00	48	44	53	45
15/11/2023 13:00	56	43	51	42
15/11/2023 14:00	46	41	52	40
15/11/2023 15:00	44	40	51	39
15/11/2023 16:00	44	40	55	39
16/11/2023 07:00	52	49	51	43
16/11/2023 08:00	50	48	55	42
16/11/2023 09:00	49	47	55	42
16/11/2023 10:00	48	45	54	42
16/11/2023 11:00	51	44	54	41
16/11/2023 12:00	48	44	51	40
16/11/2023 13:00	45	40	54	35
16/11/2023 14:00	47	41	55	37
16/11/2023 15:00	49	45	54	40
16/11/2023 16:00	50	47	53	40
17/11/2023 07:00	53	51	52	46
17/11/2023 08:00	51	50	55	47
17/11/2023 09:00	50	47	54	45
17/11/2023 10:00	48	45	54	38
17/11/2023 11:00	44	41	50	34

Date/Time (hh:mm)	Position 1		Position 2	
	L _{Aeq,1hr} (dB)	L _{A90, 1hr} (dB)	L _{Aeq,1hr} (dB)	L _{A90, 1hr} (dB)
17/11/2023 12:00	45	42	54	36
17/11/2023 13:00	44	41	52	35
17/11/2023 14:00	47	42	53	38

Table 9: Measured background sound L_{A90, 1hr} levels and L_{Aeq,1hr} levels

C.4 Analysis to determine the typical background sound level representative of the daytime assessment period is undertaken following the guidance of BS 4142, with results shown in Figure 11 and Figure 12.



Figure 11: Analysis of daytime background levels, L_{A90, 1hr} – Position 1

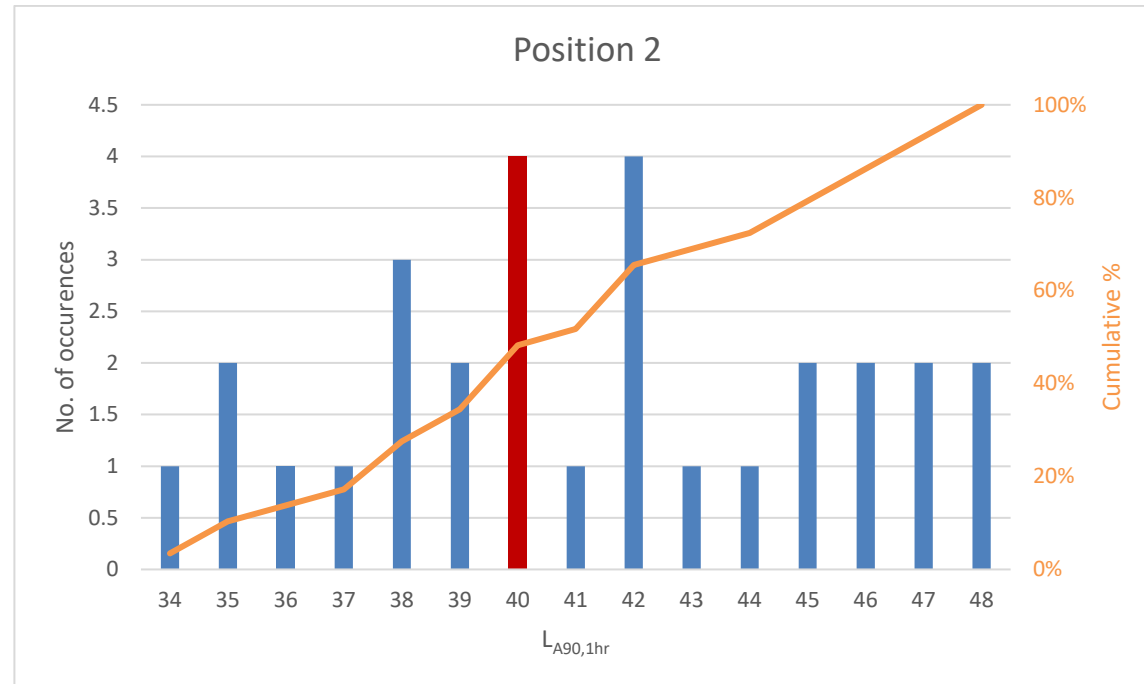


Figure 12: Analysis of daytime background levels, $L_{A90,1hr}$ – Position 2

Appendix D Source measurements

D.1 Measurements around the imaginary box enclosing all plant on site are shown in Table 10. The measurement positions are shown in Figure 5.

Pos	dB(A)	1/3 rd octave band centre frequency, Hz Measured A-weighted sound level, dB																										
		25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
A	84	30	42	40	46	65	53	63	58	61	68	69	72	69	72	74	72	73	73	73	74	72	72	70	67	65	62	60
B	83	30	42	36	41	61	54	59	59	62	64	66	71	69	72	74	72	73	73	73	73	71	70	68	66	64	62	60
C	82	30	43	37	41	55	52	58	62	60	64	65	70	68	70	73	73	72	72	72	72	71	69	67	65	63	60	57
D	90	38	47	45	50	56	60	63	67	67	73	73	74	76	78	79	78	78	78	78	79	79	79	79	78	78	76	75
E	83	28	42	36	43	48	54	55	63	62	71	68	72	73	71	75	71	71	71	71	71	70	69	67	65	64	61	60
F	88	26	32	35	51	60	58	63	64	71	76	74	77	79	77	78	77	77	76	76	76	76	73	71	69	67	62	60
G	88	28	39	40	52	57	60	72	70	72	70	78	76	78	78	78	77	77	76	75	76	76	74	71	70	68	64	62
H	88	25	38	37	47	56	58	75	73	69	73	75	78	78	77	77	76	77	76	74	75	76	74	72	70	68	65	63
I	90	22	38	34	51	55	55	71	70	76	77	81	80	79	77	78	78	79	78	77	77	76	74	71	68	65	63	61
J	90	20	38	32	50	55	58	67	68	79	77	79	78	78	78	82	80	79	77	78	78	77	74	71	69	65	62	61
K	83	18	35	32	48	53	51	61	60	72	71	73	73	74	71	71	72	71	69	70	73	70	66	64	62	60	58	57
L	80	18	35	31	47	49	50	58	55	66	67	69	72	71	70	69	70	69	67	67	70	67	62	61	59	58	55	53
M	80	17	34	31	46	50	48	56	52	64	67	68	71	72	68	71	69	68	66	66	69	66	62	60	59	57	54	52
N	79	21	34	31	47	48	47	53	52	60	66	65	71	71	69	68	69	68	66	66	68	66	62	61	59	57	55	53
O	79	17	32	31	46	51	43	50	47	55	64	64	70	68	67	68	68	69	67	66	69	67	63	62	62	61	60	59
P	77	17	31	30	42	50	43	53	50	60	67	60	66	65	66	66	66	67	65	65	66	64	62	62	61	61	59	58
Q	73	18	30	31	40	49	48	53	50	56	57	57	62	63	63	62	62	62	60	61	63	60	58	58	57	56	54	53
R	73	19	30	32	44	43	48	59	52	57	57	56	61	62	61	60	60	60	59	60	62	63	60	59	58	56	53	51
S	74	18	30	31	45	43	48	60	54	56	58	57	62	66	65	64	63	62	60	60	60	61	61	62	61	60	59	57
T	77	17	29	31	46	41	48	61	54	59	56	61	67	72	68	69	66	64	63	62	64	63	60	59	59	58	56	55
U	79	16	29	32	48	46	53	60	55	58	60	60	68	71	69	70	68	66	66	66	67	67	65	63	60	56	53	51
V	77	15	28	30	49	50	55	60	56	57	60	64	67	67	68	68	67	65	64	63	64	63	60	58	55	52	50	48
W	77	19	30	31	49	51	55	60	55	60	62	64	70	70	67	66	66	65	63	63	63	63	60	59	56	53	51	49
X	78	24	31	30	47	56	54	60	54	59	60	63	67	68	66	67	67	67	67	67	66	66	64	63	61	58	56	53

Pos	dB(A)	1/3 rd octave band centre frequency, Hz																										
		Measured A-weighted sound level, dB																										
		25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
Y	79	23	31	32	47	54	52	59	57	60	61	64	71	69	66	68	68	69	67	67	67	68	67	66	65	63	62	59
Z	80	19	31	34	50	52	54	60	57	64	62	65	70	68	67	67	68	68	68	67	68	68	68	67	67	65	63	61
AA	81	22	33	34	52	51	55	63	56	65	66	67	68	69	69	70	70	69	70	69	68	68	69	68	67	66	62	59
AB	83	20	33	35	51	56	53	60	60	67	68	68	72	72	71	71	73	73	75	73	72	71	70	69	68	66	63	61
AC	83	20	33	35	49	52	53	65	62	66	68	65	69	71	72	72	72	73	73	71	72	70	70	69	68	65	62	59
AD	80	19	32	35	49	55	56	67	58	61	66	66	70	70	70	68	67	68	68	68	68	67	66	65	64	60	57	53
AE	81	21	35	37	58	60	55	64	59	64	68	66	70	74	69	69	69	69	67	67	68	68	67	65	65	62	59	55
AF	82	23	37	40	61	60	57	71	60	67	69	70	72	74	72	71	71	70	69	70	70	69	68	65	64	62	59	58
AG	83	19	37	38	61	61	56	67	59	70	68	68	72	72	73	70	72	71	71	71	72	71	70	67	65	61	59	56
AH	85	19	36	37	59	61	56	64	61	72	73	73	74	74	75	74	74	74	73	73	74	74	73	69	66	63	61	58
AI	87	19	34	36	56	62	58	69	63	74	75	73	74	78	78	76	75	74	74	74	74	74	74	72	69	66	64	61
AJ	88	20	34	37	49	60	58	72	65	73	76	76	76	79	76	77	76	75	75	75	75	75	74	73	72	69	66	63
AK	89	21	35	37	52	57	59	73	65	73	74	75	77	79	78	77	77	78	77	78	77	77	76	75	73	71	68	65
AL	89	25	37	39	55	60	61	69	66	75	76	74	76	81	76	79	77	78	78	78	78	77	77	75	74	72	69	67
AM	89	25	36	39	54	61	61	65	64	75	77	74	75	76	78	78	78	79	78	78	78	77	77	75	74	72	69	66
AN	90	22	36	39	50	64	59	67	67	72	71	74	75	84	79	79	78	78	78	78	77	76	76	75	74	71	69	67
AO	90	25	39	42	50	64	57	69	68	74	73	76	77	83	78	79	78	79	79	78	77	77	75	73	71	68	66	
AP	89	24	39	40	55	61	57	71	68	71	71	73	79	82	78	77	77	78	78	77	77	77	76	75	73	71	68	66
AQ	87	24	37	40	56	62	62	71	68	71	71	74	76	80	76	77	76	75	75	75	74	74	74	74	72	70	68	66
AR	86	20	42	42	56	61	54	66	67	74	73	72	75	81	75	74	74	73	73	73	72	71	69	68	66	63	60	60
AS	86	22	47	42	55	67	58	61	61	71	70	70	72	80	74	74	75	74	73	75	74	72	71	70	68	67	63	62
AT	86	24	48	43	55	66	57	61	62	63	68	73	73	80	76	74	75	75	74	74	74	73	71	71	69	67	61	61
AU	87	25	49	45	54	57	56	60	60	61	68	72	74	81	75	74	76	77	75	74	74	72	72	72	69	68	62	61
AV	87	24	46	45	54	63	56	60	60	62	66	72	74	80	74	74	77	78	76	76	75	73	72	72	70	68	62	60
AW	86	23	44	45	54	71	59	62	65	60	66	71	73	77	75	75	76	78	75	75	75	73	73	73	69	66	62	60
AX	86	23	44	45	54	71	59	62	65	60	66	71	73	77	75	75	76	78	75	75	75	73	73	73	69	66	62	60

Pos	dB(A)	1/3 rd octave band centre frequency, Hz Measured A-weighted sound level, dB																										
		25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
AY	90	23	40	46	54	69	57	63	65	66	75	78	74	78	77	76	80	80	80	79	80	77	76	75	71	69	65	62
AZ	91	24	40	45	52	74	60	64	66	68	81	78	74	76	78	77	82	83	82	82	82	80	78	76	73	71	67	63
BA	91	24	40	45	52	74	60	64	66	68	81	78	74	76	78	77	82	83	82	82	82	80	78	76	73	71	67	63
BB	87	23	46	48	53	64	56	65	63	64	71	72	70	76	76	75	77	77	76	75	79	76	72	74	70	68	64	62
BC	88	21	39	38	51	58	62	70	65	73	72	76	76	84	76	76	75	76	76	74	73	72	69	67	65	62	60	61
BD	92	23	39	38	50	62	61	69	66	74	73	77	77	82	79	80	80	80	81	81	81	81	81	79	78	77	75	73
BE	90	24	37	41	54	58	54	68	66	72	69	76	74	80	81	79	79	80	79	79	78	77	76	74	73	71	68	66
BF	91	23	36	40	52	55	55	68	67	74	71	74	75	85	80	79	78	79	79	80	79	77	78	75	75	72	70	68
BG	88	25	37	39	53	57	50	55	57	68	68	73	73	76	79	76	77	79	78	78	76	74	75	72	71	67	64	61
BH	83	23	42	42	47	62	50	62	56	60	63	65	66	70	71	71	72	73	73	73	74	73	72	71	69	67	65	62
BI	89	23	42	42	58	58	58	70	63	70	69	72	72	76	77	77	77	77	78	79	79	79	79	78	76	73	72	70
BJ	76	17	29	29	47	50	52	56	52	54	59	57	61	66	66	65	65	66	65	64	64	63	62	61	60	59	56	53

Table 10: Measurements around the imaginary box enclosing all plant on site

D.2 Measurements made at 1m from the generator, with all other plant turned off are shown in Table 11.

dB(A)	1/3 rd octave band centre frequency, Hz Measured A-weighted sound level, dB																										
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
88	30	40	45	65	52	59	76	71	78	71	73	82	83	76	72	69	68	71	72	73	69	70	68	66	64	67	61
93	24	42	46	67	60	65	80	72	80	71	74	84	90	84	83	76	73	76	75	75	73	74	73	72	69	67	60
97	26	45	51	74	57	60	76	70	76	78	76	90	95	83	79	74	73	78	79	76	74	73	72	70	68	70	64
93	23	43	45	63	59	64	82	72	73	76	77	86	89	78	79	76	75	81	82	78	77	78	78	74	71	68	62
93	21	41	45	64	57	57	76	73	76	70	72	85	90	81	78	73	72	75	74	73	72	70	69	67	65	66	60

Table 11: Generator noise measurements

D.3 Residual sound measurements made with all plant turned off are shown in Table 12.

dB(A)	1/3 rd octave band centre frequency, Hz Measured A-weighted sound level, dB																										
	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000
53	12	16	17	25	27	25	26	27	29	33	38	36	40	42	41	43	45	45	44	42	41	40	38	37	36	35	34

Table 12: Residual sound measurements

Appendix E Representative noise measurements

E.1 The below measurements have been undertaken previously by Apex Acoustics, and sources are considered representative of those proposed.

E.2 HGV movements

Source	Data type	Single-octave band centre frequency (Hz)							dB(A)
		A-weighted sound pressure levels at 8 m, free field (dB)							
		63	125	250	500	1k	2k	4k	
HGV movements	L _p @ 8 m	49	51	57	60	64	61	54	67

Table 13: Measured HGV movements at 8 m



Figure 13: Measurement of HGV movements at 8 m

Appendix F Noise transmission and propagation

F.1 Noise transmission and propagation is modelled using proprietary software, CadnaA. This models noise propagation outdoors according to ISO 9613. The parameters used, source of data and details are described in Table 14.

Parameter	Source	Details
Model dimensions	Google Earth	British Transverse Mercator coordinates
Site location and layout	Drawings	Reference 5
Topography	Environment Agency Height Data, Reference 6	Lidar Digital Terrain Model, DTM
Building heights – outside of site	Site observations and Google Street view	3 m per storey + 3 m roof (residential properties)
Receptor positions	Site observations and Google Street view	On the NSR façade closest to the source at a height of 1.5 m, and 4 m to represent ground and first floor window heights respectively
Building and barrier absorption coefficient	ISO 9613-2	0.21 to represent a reflection loss of 1 dB
G, Ground factor	ISO 9613-2	Hard ground, G = 0; Porous ground, G = 1 (locally on model)
Max. order of reflections	Apex Acoustics	Three

Table 14: Modelling parameters and assumptions

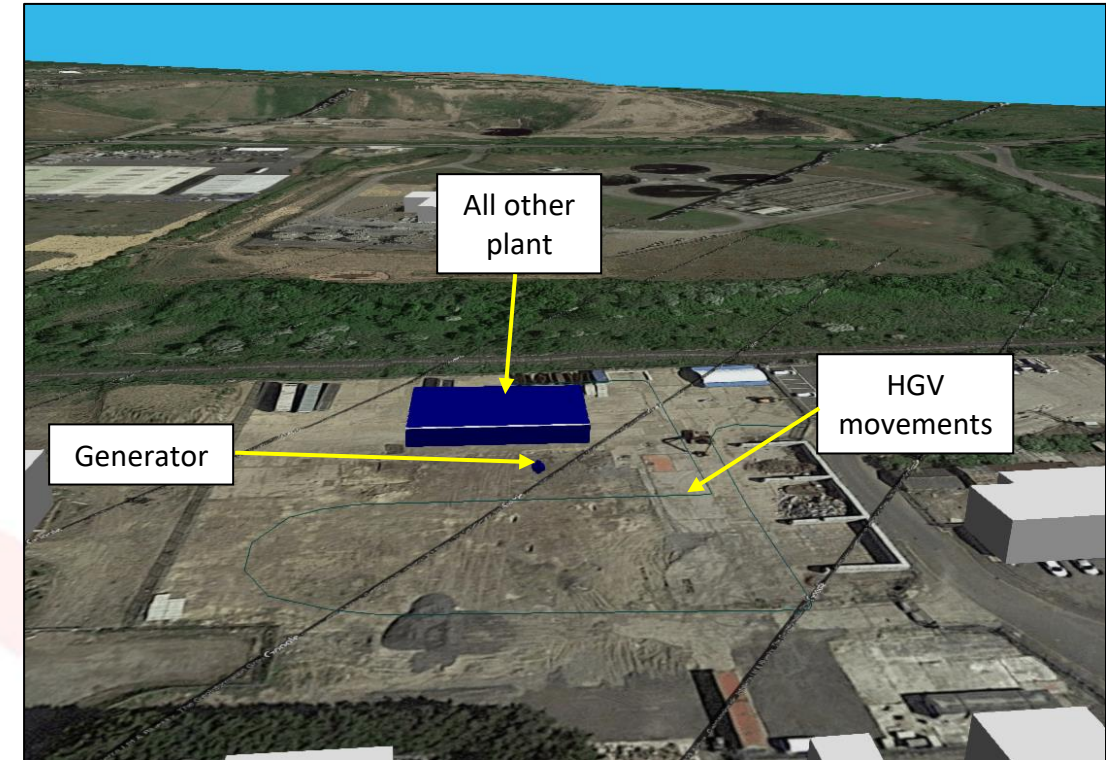


Figure 14: 3D view of the Cadna model - sources

12.1 A 3D view of the CadnaA model is shown in Figure 14.

Appendix G Context of acoustic environment

- G.1 The context can be expressed in relation with the soundscape, as defined in BS ISO 12913-1, Reference 7.
- G.2 ISO 12913-1 states that:
“The context may influence soundscape through the auditory sensation, the interpretation of auditory sensation and the responses to the acoustic environment.”
- G.3 The process of experiences that describe soundscape and illustrated in Figure 15.
- G.4 The acoustic environment is defined as being:
“... the sound from all sound sources modified by the environment. Modification by the environment includes effects on sound propagation, resulting for example from meteorological conditions, absorption, diffraction, reverberation and reflection.”
- G.5 The auditory sensation is described as:
“... a function of neurological processes that begin when auditory stimuli reach the receptors of the ear. This is the first stage in detecting and representing the acoustic environment. Auditory sensation is influenced by masking, spectral contents, temporal patterns and spatial distribution of the sound sources.”
- G.6 The interpretation of auditory sensation refers to
“... unconscious and conscious processing of the auditory signal to create useful information, which may lead to awareness or understanding of the acoustic environment. Awareness of the acoustic environment, in context, represents an experience of the acoustic environment.”
- G.7 Responses describe the short-term reactions and emotions while the outcomes refer to the overall, long-term consequences facilitated or enabled by the acoustic environment.

- G.8 The Planning Practice Guidance notes on noise state that the impact is categorised as SOAEL when “noticeable and disruptive”. It details:
“The noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise.”
- G.9 Such effect is typically defined as a difference between the BS 4142 rating level and the background level of +10 dB, depending on the context, and should be avoided on a regular basis.

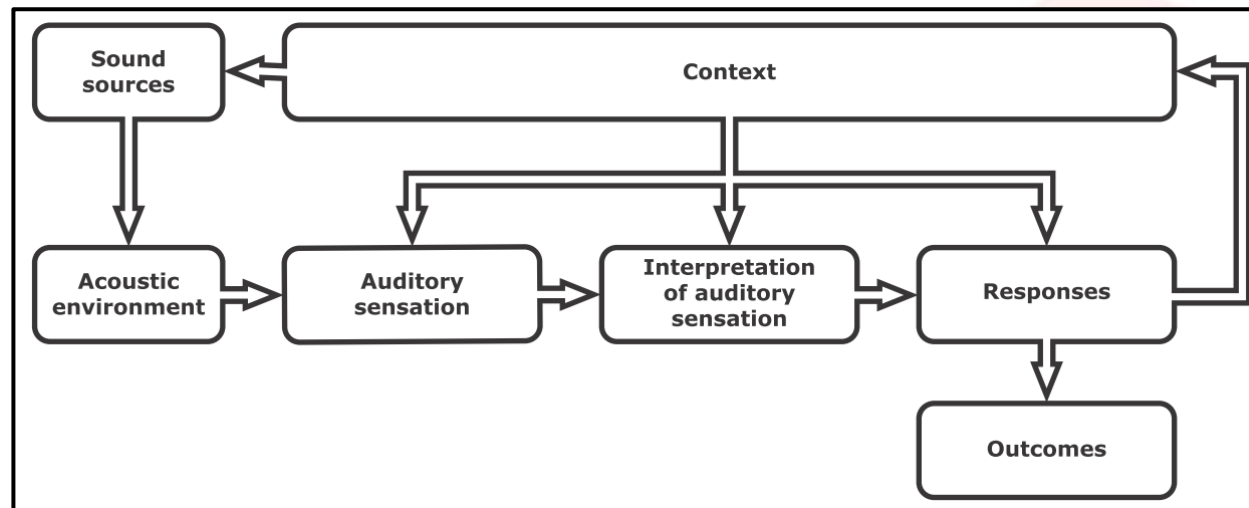
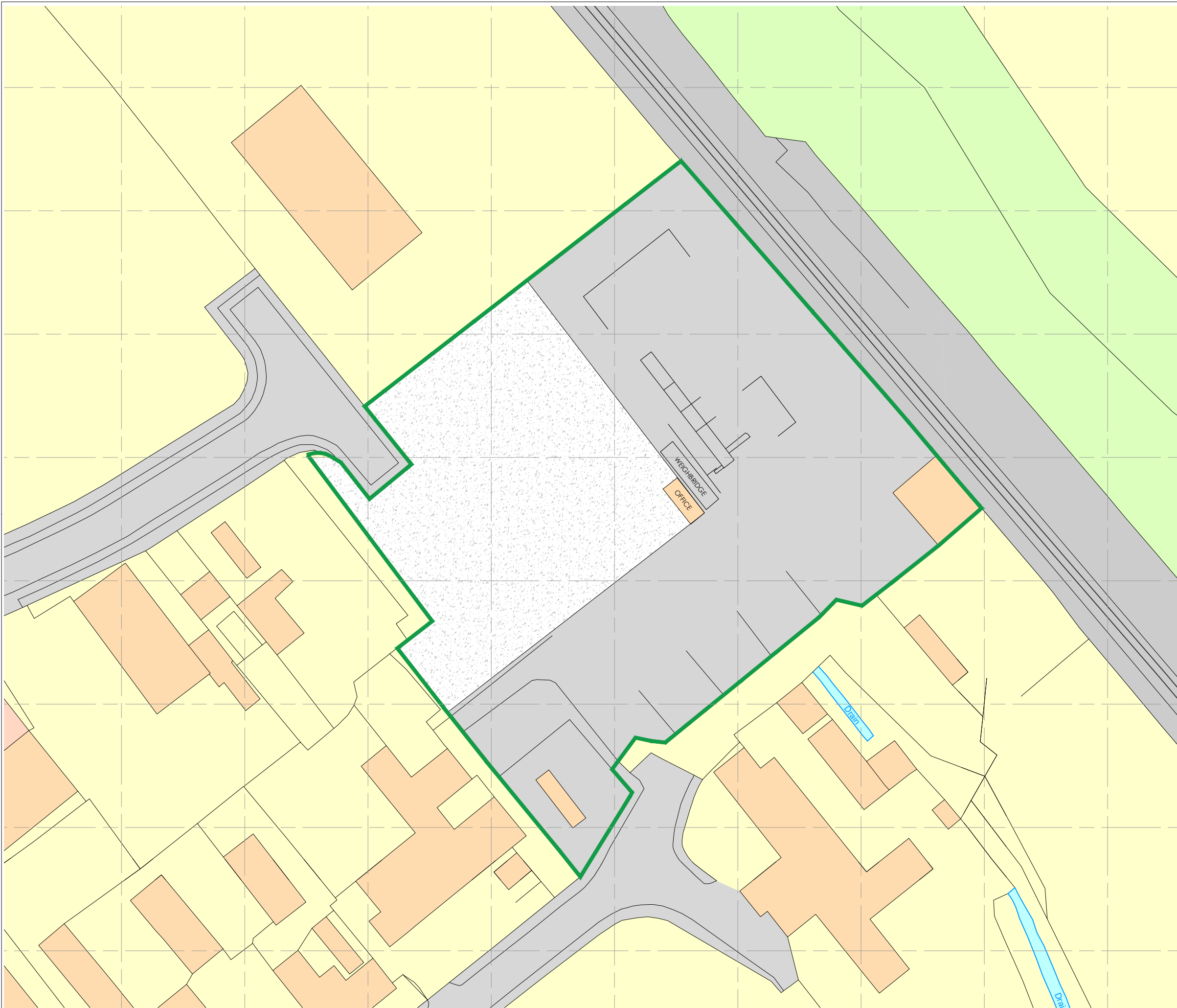


Figure 15: Elements in the perceptual construct of soundscape

Appendix H Professional qualifications and competence

- H.1 All Apex Acoustics consultants work under the close supervision of a member who holds qualification in acoustics and is a member of the IOA.
- H.2 This can be verified by searching the Institute of Acoustics' list of Members, available here, with the surname of the consultant.
<http://www.ioa.org.uk/membership-check>
- H.3 Apex Acoustics is a member of the Association of Noise Consultants (ANC). The ANC is a trade organisation which seeks to raise the standards of acoustic consultancy and as such there are barriers to entry to ensure member's competency.
- H.4 This report has been completed and checked by an appropriately qualified and experienced acoustic consultant.






NOTES

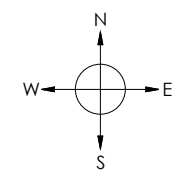
DRAWING IS A SITE SCHEMATIC

ANY ANOMALIES ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF OLIVE COMPLIANCE

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LEGEND

 PERMIT BOUNDARY



SITE

CNC, 104-105 GREYTHROPE INDUSTRIAL ESTATE , TS25 2DF

PROJECT

EA PERMIT APPLICATION

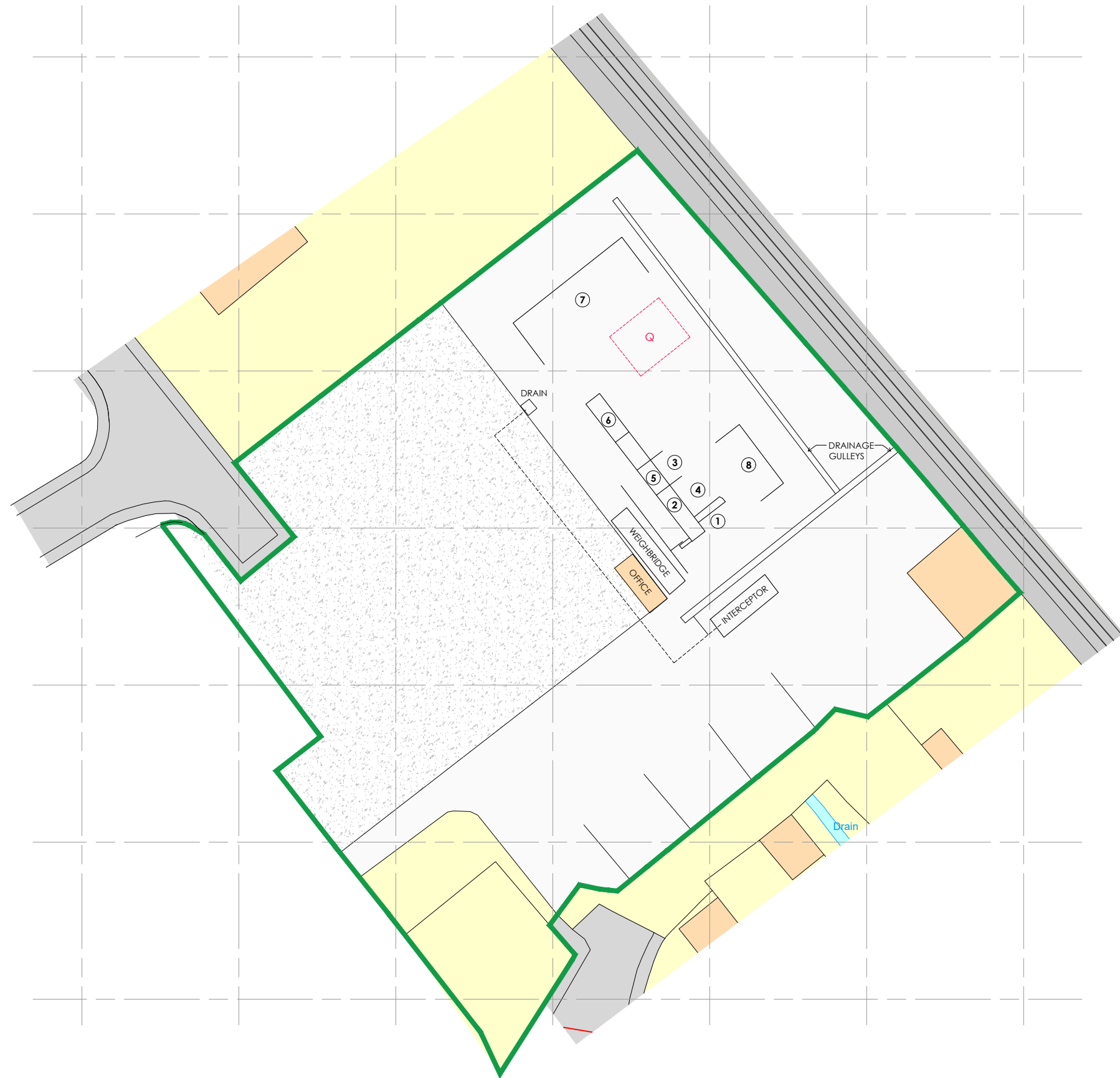
DRAWING TITLE

PERMITTED AREA PLAN

DRAWING NUMBER	REVISION
002	1
SCALE	DATE
1:750 @ A3	15.06.23



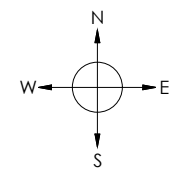
0m 5m 10m 15m 20m 25m



NOTES
 DRAWING IS A SITE SCHEMATIC
 ANY ANOMALIES ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF OLIVE COMPLIANCE

LEGEND

- PERMIT BOUNDARY
- ① ALUMINUM BAY
- ② STEEL BAY
- ③ SUB 4M BAY
- ④ EDDY CURRENT SEPARATOR
- ⑤ SCREENER
- ⑥ HAMMER MILL
- ⑦ UPVC FRAME BAY
- ⑧ UPVC SHRED BAY
- HARDSTANDING
- CONCRETE
- Q QUARANTINE AREA 10m X 8m X 4m H



SITE
 CNC, 104-105 GREYTHROPE INDUSTRIAL ESTATE , TS25 2DF

PROJECT
 EA PERMIT APPLICATION

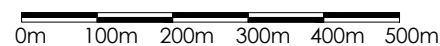
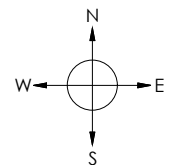
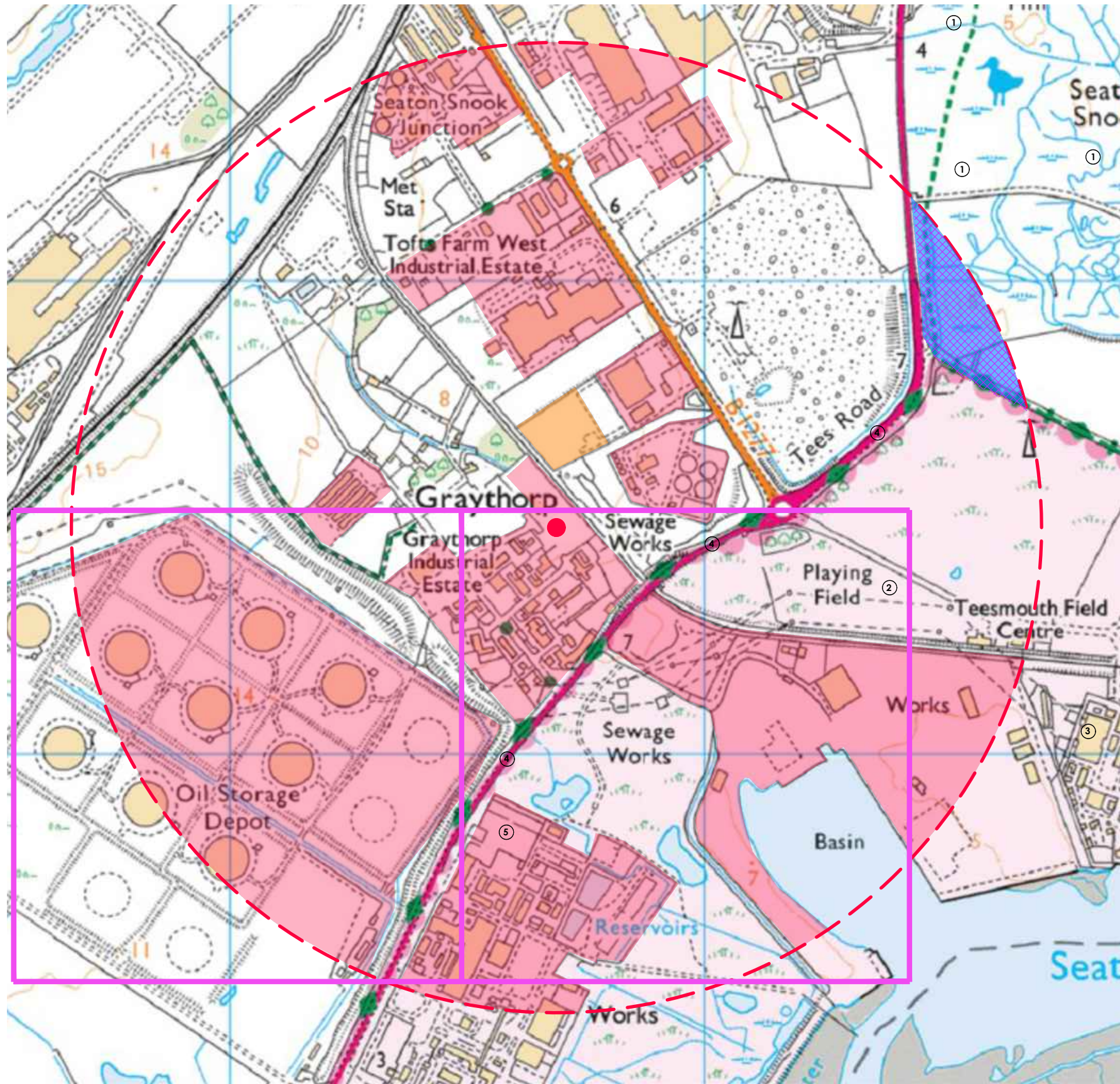
DRAWING TITLE
 SITE LAYOUT PLAN

DRAWING NUMBER 002	REVISION 2
-----------------------	---------------

SCALE 1:500 @ A3	DATE 15.06.23
---------------------	------------------



0m 5m 10m 15m 20m 25m

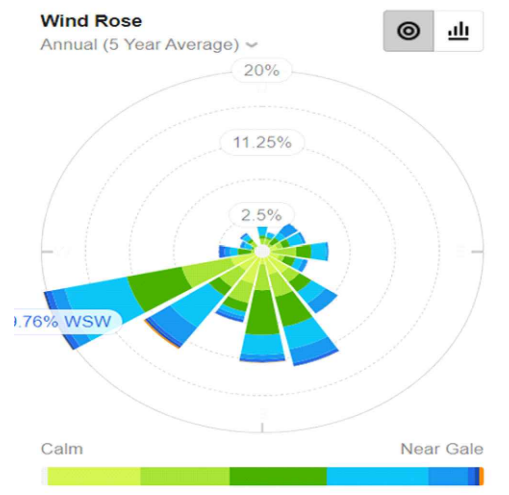


NOTES

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LEGEND

- SITE
- - - 1KM OFF SET BOUNDARY
- ① TEESMOUTH NATIONAL NATURE RESERVE
- ② HARTLEPOOL POWER STATION CRICKET CLUB
- ③ HARTLEPOOL POWER PLANT
- ④ TEES ROAD
- ⑤ VENATOR CHEMICAL PLANT
- INDUSTRIAL ESTATE
- NATURE AND HERITAGE CONSERVATION SITES**
- SPECIAL PROTECTION AREA (PSPA OR SPA)**
- TEESMOUTH AND CLEVELAND COAST
- RAMSAR**
- TEESMOUTH AND CLEVELAND COAST
- SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI)**
- TEESMOUTH AND CLEVELAND COAST
- LOCAL WILDLIFE SITES (LWS)**
- BRENDA ROAD SEWAGE WORKS GRASSLAND
- PROTECTED SPECIES**
- CODE 2 - EUROPEAN WATER VOLE



SITE
CNC RECYCLING LTD
 104-105 GREYTHROPE INDUSTRIAL ESTATE, TS25 2DF

PROJECT
EA PERMIT APPLICATION

DRAWING TITLE
SITE RECEPTOR PLAN

DRAWING NUMBER 004	REVISION 0
SCALE 1:10000 @ A3	DATE 15.06.23



Nature and Heritage Conservation

Screening Report: Bespoke Waste

Reference	EPR/MB3004UW/A001
NGR	NZ 51699 27466
Buffer (m)	50
Date report produced	16/05/2023
Number of maps enclosed	5

The nature and heritage conservation sites and/or protected species and habitats identified in the table below must be considered in your application.

Nature and heritage conservation sites	Screening distance (m)	Further Information
Special Protection Area (pSPA or SPA)	1000	Joint Nature Conservation Committee
Teesmouth and Cleveland Coast		
Ramsar	1000	Joint Nature Conservation Committee
Teesmouth and Cleveland Coast		
Sites of Special Scientific Interest (SSSI)	1000	Natural England
Teesmouth and Cleveland Coast		
Local Wildlife Sites (LWS)	200	Appropriate Local Record Centre (LRC)
Brenda Road Sewage Works Grassland		
Protected Species	Screening distance (m)	Further Information
Code 2	up to 500m	Natural England
European Water Vole		Appropriate Local Record Centre (LRC)

Unfortunately we cannot provide you with the details of all protected species. This is because we either have not been given permission by the owner of the species data, or they have asked us not to identify the species as they are vulnerable. In these instances you must contact the relevant organisation listed above. A small administration charge may be incurred for this service.

Where protected species are present, a licence may be required from [Natural England](#) to handle the species or undertake the proposed works.


The relevant Local Records Centre must be contacted for information on the features within local wildlife sites. A small administration charge may also be incurred for this service.

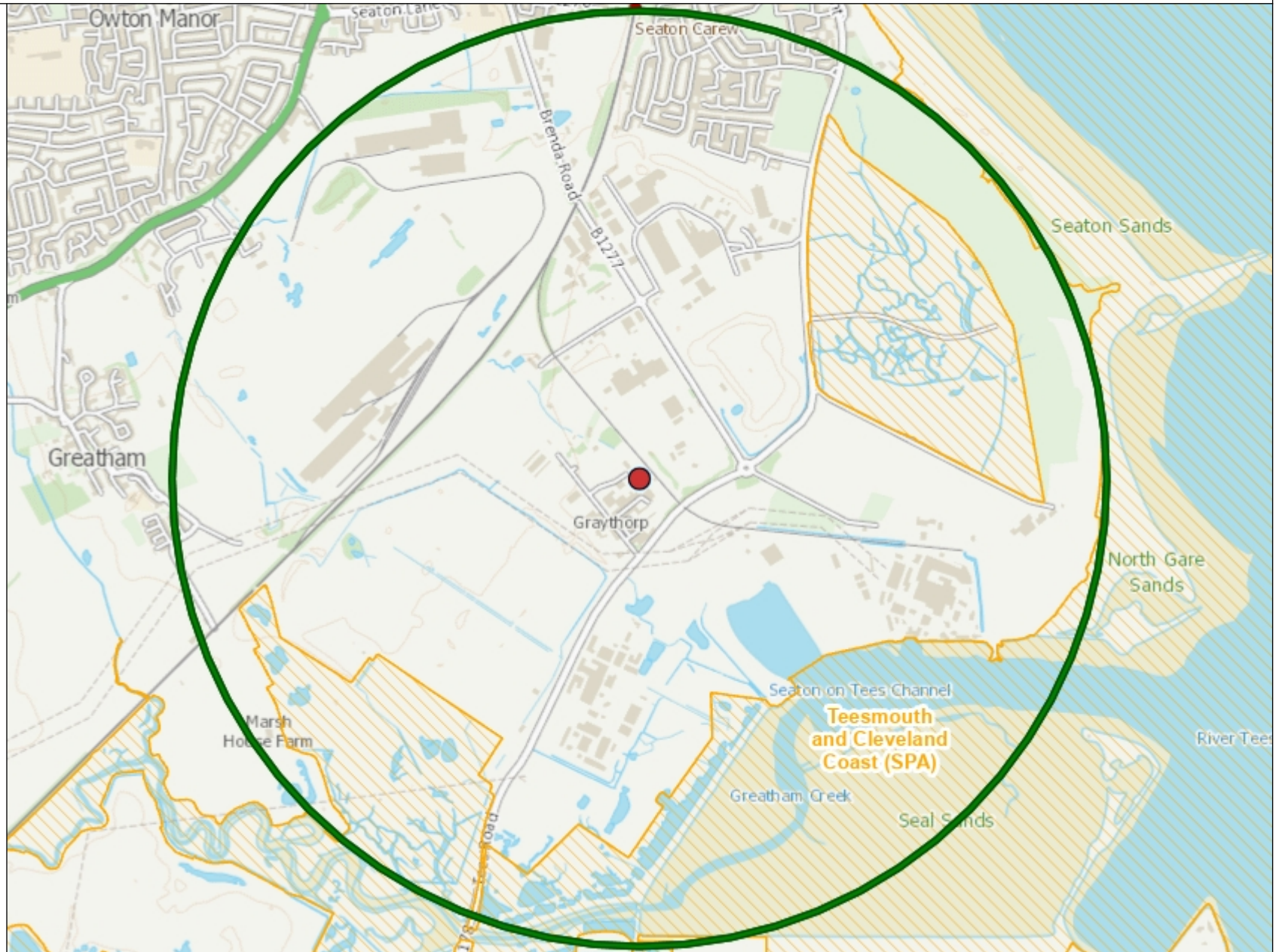
Please note we have screened this application for protected and priority sites, habitats and species for which we have information. It is however your responsibility to comply with all environmental and planning legislation, this information does not imply that no other checks or permissions will be required.

Please note the nature and heritage screening we have conducted as part of this report is subject to change as it is based on data we hold at the time it is generated. We cannot guarantee there will be no changes to our screening data between the date of this report and the submission of the permit application, which could result in the return of an application or requesting further information.

Special Protection Areas

Legend

 SPA (England)



1: 25,000


0 625

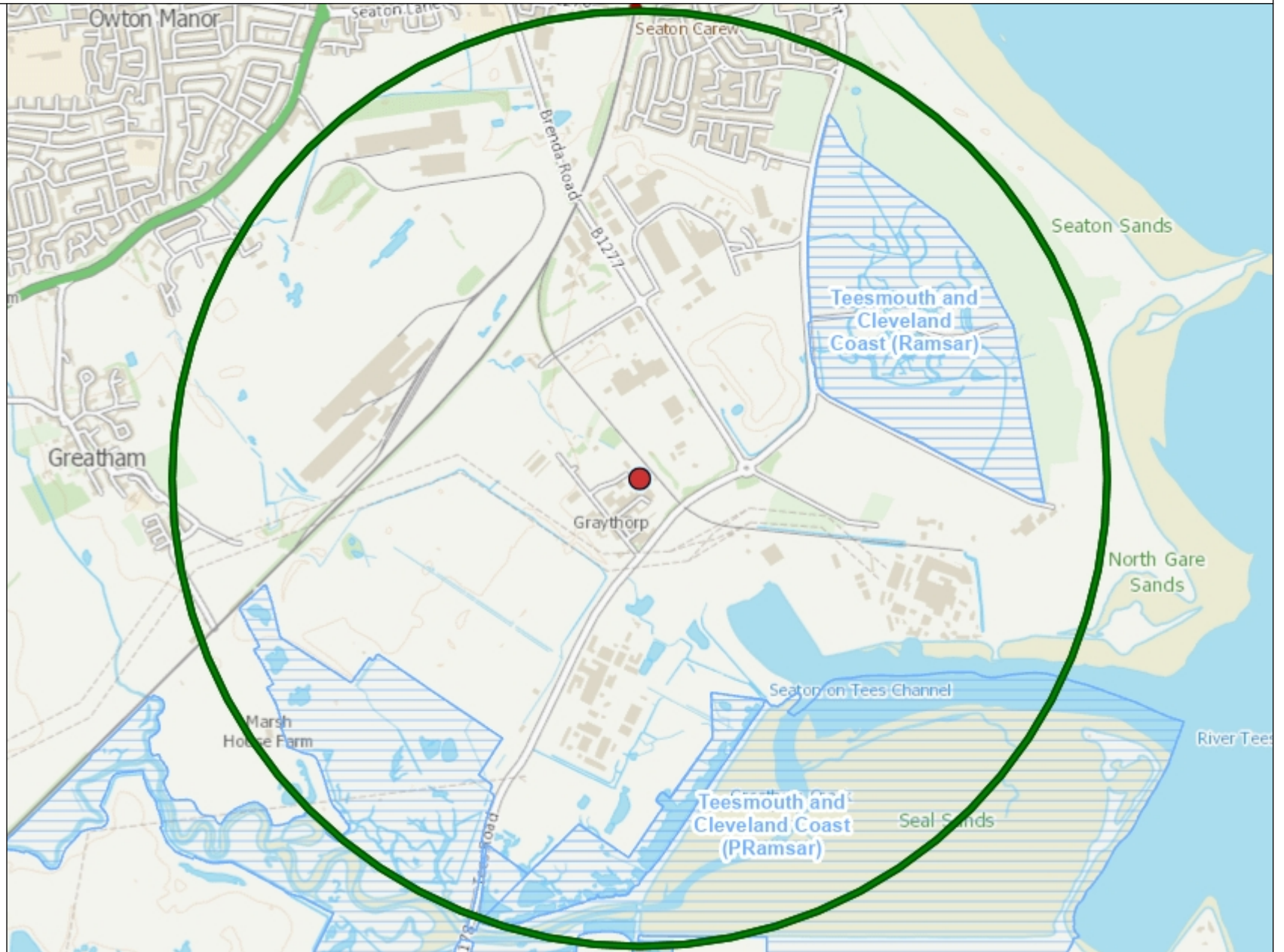
Metres



Ramsar Sites

Legend

 Ramsar (England)



1: 25,000


0 625

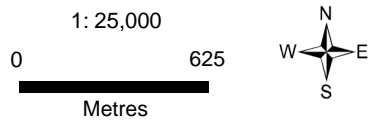
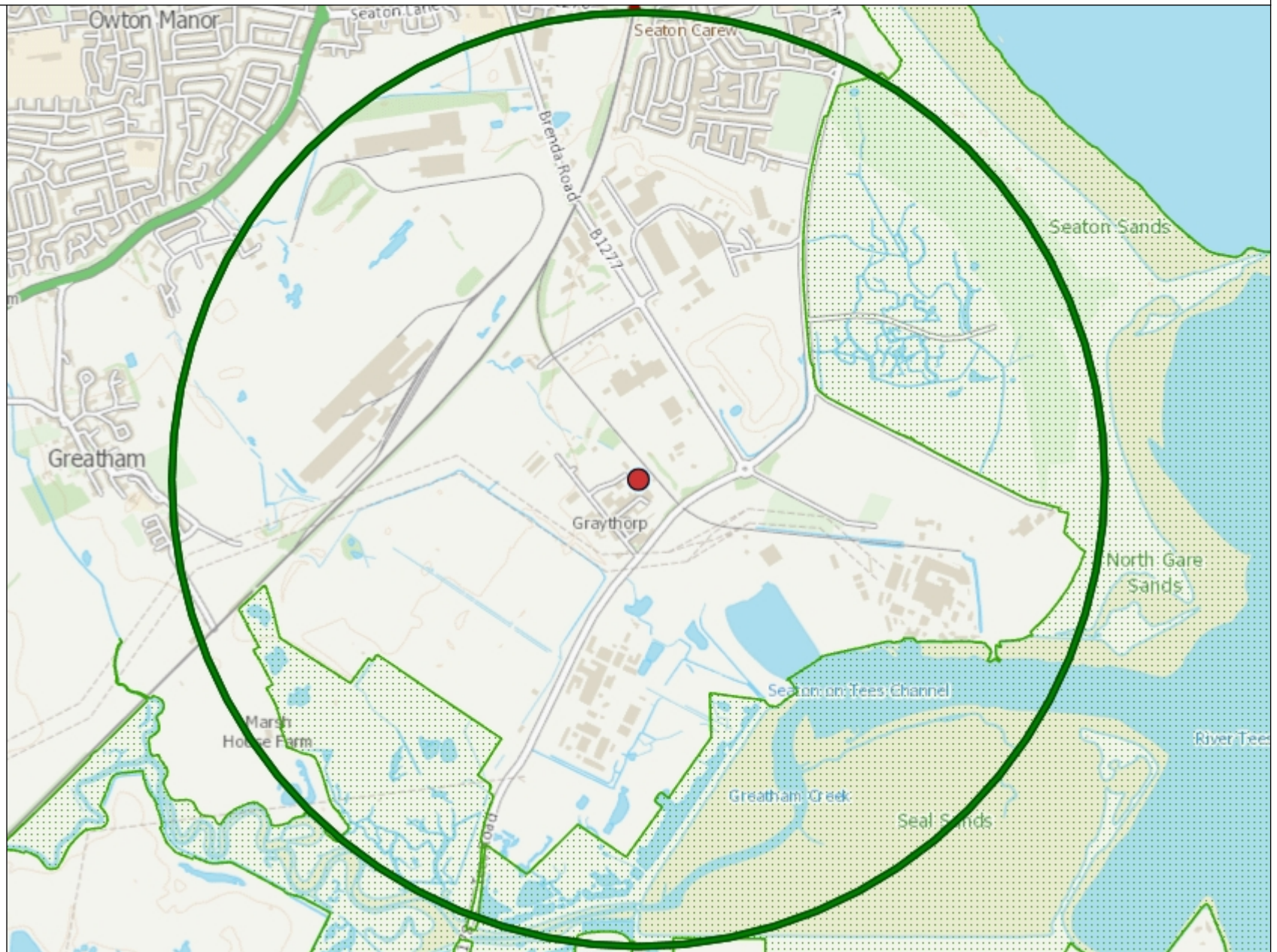
Metres



Sites of Special Scientific Interest

Legend

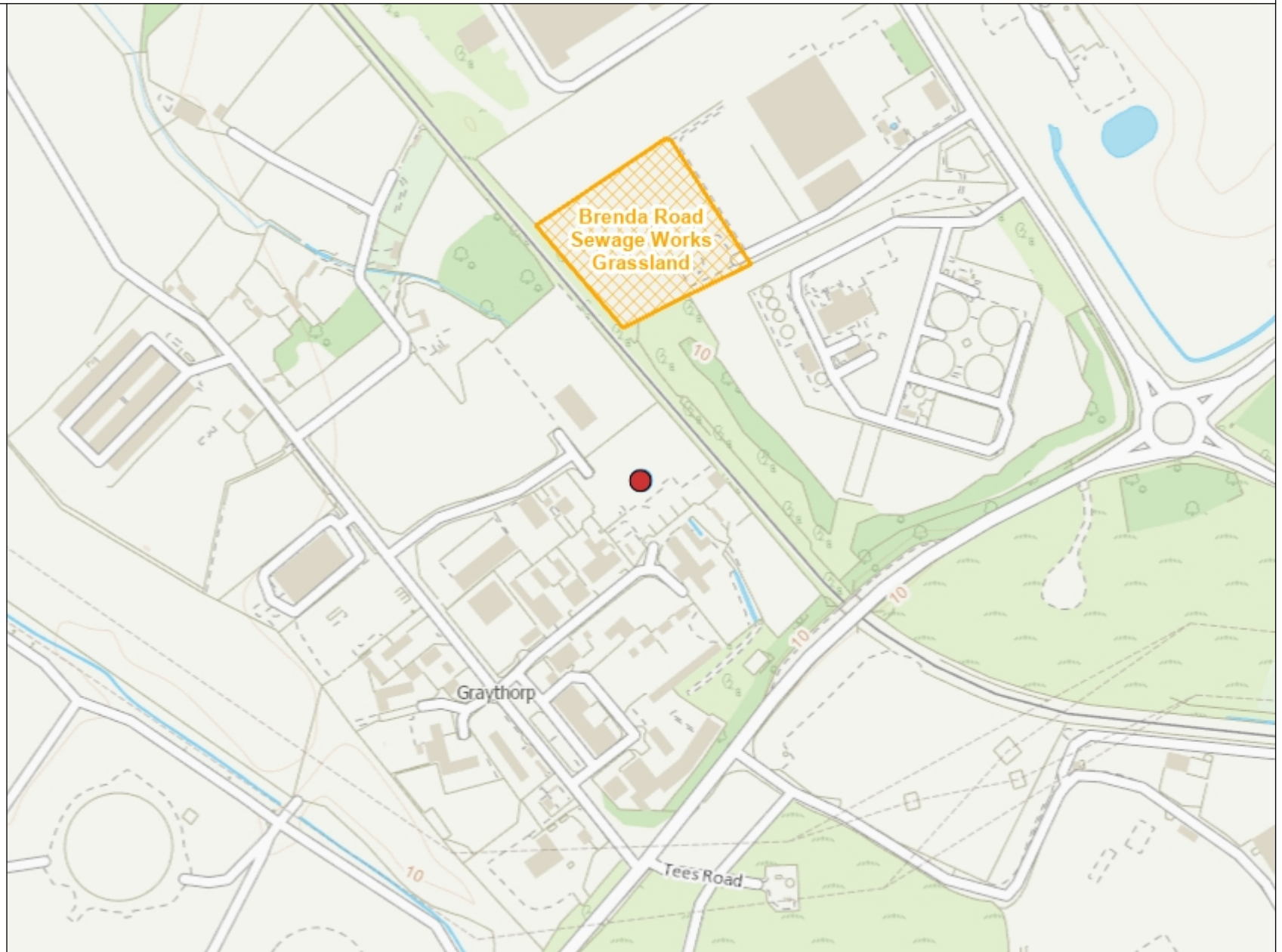
 SSSI (England)



Local Wildlife Sites

Legend




 Local Wildlife Sites

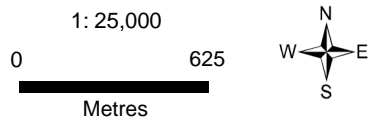
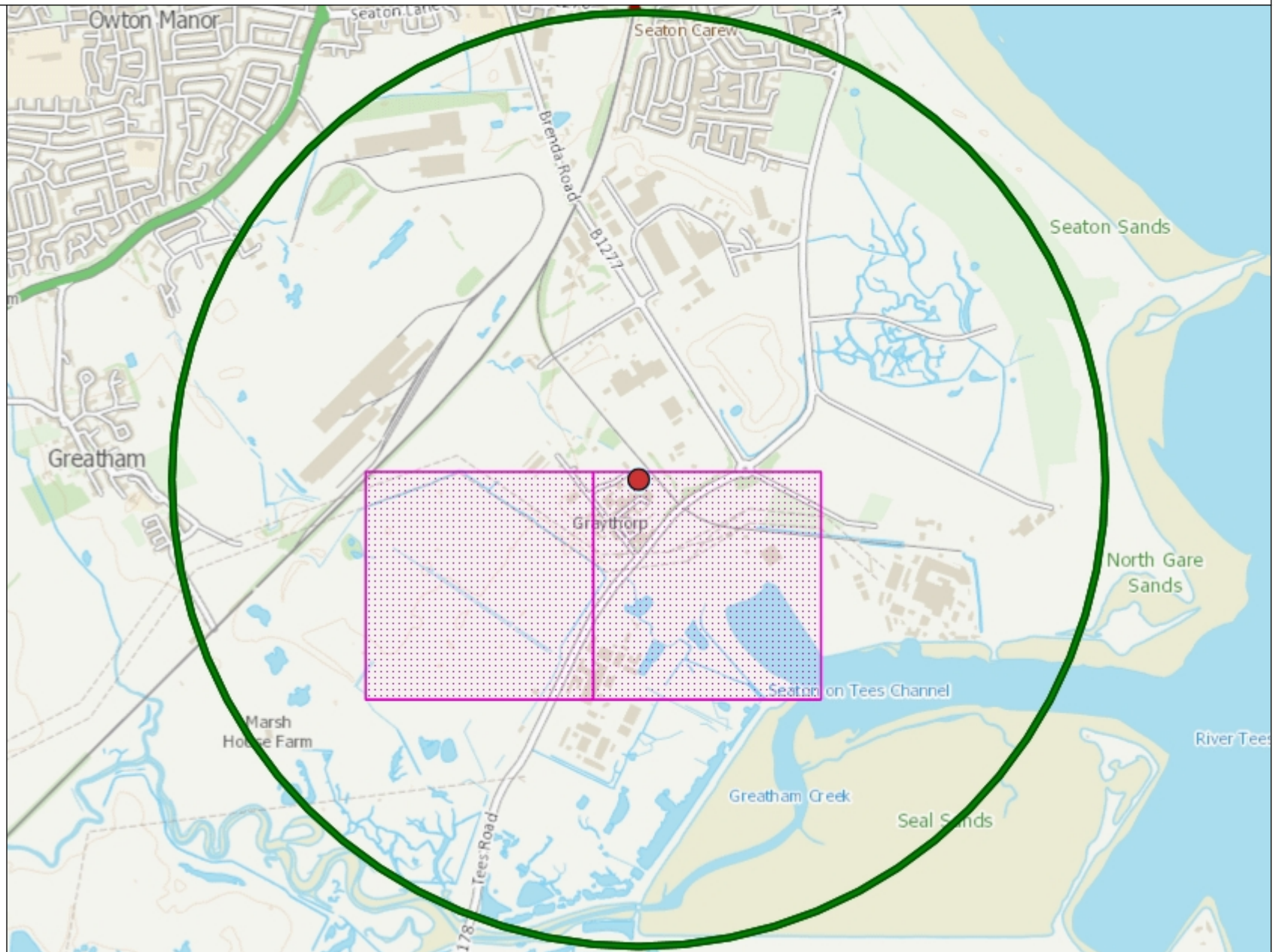


Protected Species

Legend

Protected species screened for Env Permits - complete set

-  Protected species, non fish
-  Protected fish
-  Protected fish migratory route





OLIVE

Compliance

SITE CONDITION REPORT

CNC Recycling Limited

**Unit 104-105
Greythorp Industrial Estate
Hartlepool
TS25 2DF**



CONTENTS

1.0 INTRODUCTION.....	1
2.0 SITE CONDITION REPORT (H5) TEMPLATE.....	9

DOCUMENT REFERENCES

Appendix 1 – Envirocheck and Historic Maps

1.0 Introduction

CNC Recycling Ltd has instructed Olive Compliance Ltd (OLIVE) to prepare an application for a Bespoke Environmental Permit Application under the Environmental Permitting (England and Wales) Regulations 2016.

This plan is designed specifically around site activities. Site operations will primarily be the acceptance, treatment and storage of UPVC window frames for recycling and recovery purposes.

CNC are a well-established facility for the recycling of plastic wastes arising from industrial, manufacturing commercial and household sources. Plastic is accepted, treated in the form of shredding and granulation then used in the manufacture of new UPVC products.

This SCR has been prepared in accordance with the Environment Agency's H5 Guidance Note on SCR¹. The objective of the SCR is to record and describe the condition of the land at the site at the time of the permit application. The SCR will provide a point of reference and baseline environmental data so that when the permit is surrendered it can be demonstrated that there has been no deterioration in the condition of the land as a result of the proposed operations and ensure that the condition of the land is in a 'satisfactory state' on surrender of the permit.

Sections 1 to 3 of the EA's SCR template have been completed in the preparation of this document, which comprises the following:

- site details;
- condition of the land at permit issue;
 - geology;
 - hydrogeology;
 - hydrology;
- pollution history;
- evidence of historic contamination; and
- permitted activities.

Section 4 to 7 of the SCR template will be maintained during the life of the permit and Sections 8 to 10 will be completed and submitted only in support of the application to surrender the permit.

¹ EA Guidance; Site Condition Report – guidance and templates, Version 3, May 2013.

2.0 Site Condition Report (H5) Template

1.0 SITE DETAILS	
Name of the applicant	CNC Recycling Ltd
Activity address	Unit 104-105 Greythorpe Industrial Estate Hartlepool TS25 2DF
National grid reference	NZ 51710 27481

Document reference and dates for Site Condition Report at permit application and surrender	June 2023 – New Document SCR_CNC
--	-------------------------------------

Document references for site plans (including location and boundaries)	Drawing 002 Permit Boundary Drawing 003 Site Layout Drawing 004 Receptor Plan
--	---

2.0 CONDITION OF THE LAND AT PERMIT ISSUE

Environmental setting including:

- geology
- hydrogeology
- surface waters

Geology

The British Geological Survey (BGS) identifies the site to be located upon natural superficial deposits of Till, Devensian - Diamicton. Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

The British Geological Survey (BGS) identifies the site to be located upon a bedrock of Bedrock geology of Sherwood Sandstone Group - Sandstone. Sedimentary bedrock formed between 272.3 and 237 million years ago during the Permian and Triassic periods.

Source - [BGS Geology Viewer - British Geological Survey](#)

Hydrogeology

The nearest Groundwater Source Protection Zone is 4km to the northwest of the site (*Source [Magic.gov.uk](#)*).

There are 21 authorised water discharges within 1km of the site (*Landmark EnviroCheck Report June 2023*).

There is only one recorded water abstraction within 664m of the site. (Landmark EnviroCheck Report June 2023).

Groundwater Vulnerability

The site is not in a Nitrate Vulnerable Zones.

Bedrock Aquifer Designation - Principal

Superficial Aquifer Designation – Secondary

Source - [www.magic.gov.uk](#) accessed June 2023 and Envirocheck June 2023

Source Protection Zone

The site is not located within a Source Protection Zone (SPZ).

Source - [www.magic.gov.uk](#) accessed June 2023

Hydrology

The nearest water course is located within 100m of the site boundary (North) which is an unnamed tributary. The Teesmouth Coast is located within 1km of the site.

	<p><i>Source - www.magic.gov.uk accessed June 2023</i></p> <p>Flooding</p> <p>The site is classed as having an extremely low risk of flooding from surface water, rivers, the sea or reservoirs.</p> <p>Source – (<u>Check the long term flood risk for an area in England - GOV.UK (www.gov.uk)</u>)</p> <p>Air Quality</p> <p>The site is not in an air quality management zone.</p> <p>Source - https://uk-air.defra.gov.uk/aqma.</p> <p>Current Site Condition</p> <p>The current permitted area has been constructed with surfacing is made up of concrete with a new drainage network installed, leading to a three stage oil separator interceptor with a manual shut off valve.</p> <p>CCTV is installed around the site with palisade fencing and secure lockable gates.</p> <p>Storage bays are in place for the management of all wastes on site.</p> <p>The site has a site specific FPP in place to cover the current permitted area and to manage the risk of fire.</p> <p>The site has a site specific DEMP in place to cover the current permitted area and emissions controls.</p> <p>Please see supporting drawings for the site layout and site surfacing and drainage information.</p>
--	--

<p>Pollution history including:</p> <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 	<p>Historical Land-uses Information on historical land use is detailed below.</p> <p>Planning history reports that from 2007 the site was changed to a waste facility. No records available to show the previous use of the site at that time.</p> <p>Planning History – Hartlepool Council Planning 2019</p> <p>Reference number H/2019/0491</p> <p>Proposed Development – Applicant Ferrexo</p> <p>Development of a waste management facility for the storage and transfer, erection of a storage and distribution building, office building, welfare ur works (part-retrospective).</p> <p>Reference number H/2007/0514</p> <p>Proposed Development – Application Mr Michael Dean</p> <p>Proposed change of use to a recycling facility</p> <p>Permitted Facilities</p> <p>No permits on record for the site.</p> <p>Exempt Activities</p> <p>WEX182639/ WEX227777 - T9/T4 waste exemptions registered on the site from 2019 to 2022.</p> <p>Pollution History</p> <p>On site: There are there no recorded pollution incidents directly attributed to the site.</p> <p>There is on pollution event within 500m of the site boundary that may have affected the land, air quality or water.</p> <p>Substantiated Pollution Incident Register</p> <table style="border: none;"> <tr> <td>Authority:</td> <td>Environment Agency - North East Region, North East Area</td> </tr> <tr> <td>Incident Date:</td> <td>14th April 2009</td> </tr> <tr> <td>Incident Reference:</td> <td>670312</td> </tr> <tr> <td>Water Impact:</td> <td>Category 3 - Minor Incident</td> </tr> <tr> <td>Air Impact:</td> <td>Category 2 - Significant Incident</td> </tr> <tr> <td>Land Impact:</td> <td>Category 3 - Minor Incident</td> </tr> <tr> <td>Positional Accuracy:</td> <td>Located by supplier to within 10m</td> </tr> <tr> <td>Pollutant:</td> <td>Atmospheric Pollutants and Effects Damage to Buildings, Vehicles and Vegetation</td> </tr> <tr> <td>Pollutant:</td> <td>Atmospheric Pollutants and Effects: Fumes</td> </tr> <tr> <td>Pollutant:</td> <td>Atmospheric Pollutants and Effects: Smoke</td> </tr> <tr> <td>Pollutant:</td> <td>Contaminated Water: Firefighting Run-Off</td> </tr> </table>	Authority:	Environment Agency - North East Region, North East Area	Incident Date:	14th April 2009	Incident Reference:	670312	Water Impact:	Category 3 - Minor Incident	Air Impact:	Category 2 - Significant Incident	Land Impact:	Category 3 - Minor Incident	Positional Accuracy:	Located by supplier to within 10m	Pollutant:	Atmospheric Pollutants and Effects Damage to Buildings, Vehicles and Vegetation	Pollutant:	Atmospheric Pollutants and Effects: Fumes	Pollutant:	Atmospheric Pollutants and Effects: Smoke	Pollutant:	Contaminated Water: Firefighting Run-Off
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Pollutant:	Atmospheric Pollutants and Effects: Fumes																						
Pollutant:	Atmospheric Pollutants and Effects: Smoke																						
Pollutant:	Contaminated Water: Firefighting Run-Off																						

	<p>Off site: Within 1km of the site there have been two recorded pollution incidents that could affect the land, air quality or water receptors, One incident was a minor pollution event and the other no impact recorded.</p> <p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, North East Area Incident Date: 3rd March 2004 Incident Reference: 220623 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Other Pollutant</p> <hr/> <p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, North East Area Incident Date: 30th July 2003 Incident Reference: 177667 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Chemical Odour</p> <p>The applicant notes that these baseline conditions will used to address where soil and water baseline conditions could be tested in future. The applicant will then interpret the findings of the environmental ground investigation results undertaken post permit against these baseline conditions to determine if the soil and waters have been left in a satisfactory state at permit surrender.</p>
<p>Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)</p>	<p>No record or evidence of historic contamination available.</p> <p>No visual or identifiable contamination recorded.</p>
<p>Baseline soil and groundwater reference data</p>	<p>Baseline soil and groundwater reference data is not available.</p>
<p>Supporting information</p>	<p>Environmental Risk Assessment (ERA)</p> <p>Landmark Envirocheck Report June 2023 – Appendix 1</p>

3.0 PERMITTED ACTIVITIES															
Permitted activities	<p>CNC are a well-established facility for the recycling of plastic wastes arising from industrial, manufacturing commercial and household sources. Plastic is accepted, treated in the form of shredding and granulation then used in the manufacture of new UPVC products.</p> <p>The site will accept up to 74,999 tonnes per annum, which equates approx. 288 tonnes per day.</p> <p>The following activities will be authorised on site;</p> <ul style="list-style-type: none"> • D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) • R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) • R4: Recycling/reclamation of metals and metal compounds • R5: Recycling/reclamation of other inorganic materials • R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) <p>Treatment consisting only of manual sorting, separation, screening, baling, shredding, granulating , crushing or compaction of waste into different components for disposal, (no more than 50 tonnes per day) or recovery.</p> <p>EWC codes for acceptance – non hazardous</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #6b8e23; color: white;"> <th>EWC Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>07 02 13</td> <td>Waste Plastic</td> </tr> <tr> <td>12 01 05</td> <td>plastics shavings and turnings</td> </tr> <tr> <td>15 01 02</td> <td>Plastic packaging</td> </tr> <tr> <td>17 02 03</td> <td>Plastic</td> </tr> <tr> <td>19 12 04</td> <td>Plastic</td> </tr> <tr> <td>20 01 39</td> <td>Plastic</td> </tr> </tbody> </table>	EWC Code	Description	07 02 13	Waste Plastic	12 01 05	plastics shavings and turnings	15 01 02	Plastic packaging	17 02 03	Plastic	19 12 04	Plastic	20 01 39	Plastic
EWC Code	Description														
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12 01 05	plastics shavings and turnings														
15 01 02	Plastic packaging														
17 02 03	Plastic														
19 12 04	Plastic														
20 01 39	Plastic														

	<p>17 09 04</p>	<p>UPVC Frames, Guttering, Plastics only</p>
<p>Non-permitted activities undertaken</p>	<p>The site will be supported by the Technically Competent Person as required by the Environmental Permit .</p> <p>There are no wheel washes or vehicle cleaning undertaken on site. Major vehicle/plant repairs are conducted either through the contractor off site, or minor repairs are conducted away form waste activities.</p> <p>All site surfaces are impermeable and kerbed or bunded.</p> <p>All site surface water discharges to a three stage interceptor with shut of valve.</p> <p>The site has an environmental management system written in accordance with the below guidance.</p> <p><u>Control and monitor emissions for your environmental permit - GOV.UK (www.gov.uk)</u></p> <p><u>Develop a management system: environmental permits - GOV.UK (www.gov.uk)</u></p> <p>This system of constant monitoring and management of the site will allow for the assessment of contaminants of concern during the lifetime of the permit and any subsequent permit surrender.</p> <p>Currently waste activities are currently ran under a waste exemption by CNC.</p> <p>Exemption ref : WEX372323</p>	

<p>Document references for:</p> <ul style="list-style-type: none"> • Plan showing activity layout; and • Environmental risk assessment. 	<p>Drawing 001 Site Location Drawing 002 Permit Boundary Drawing 003 Site Layout Drawing 004 Receptor Plan</p> <p>Environmental Risk Assessment Reference ERA_CNC</p>
---	--

4.0 Changes to the activity

<p>Have there been any changes to the activity boundary?</p>	<p>N/A</p>
--	------------

Site Condition Report

Have there been any changes to the permitted activities?	N/A
Have any 'dangerous substances' not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	N/A
Checklist of supporting information	N/A

5.0 Measures taken to protect land

N/A

Checklist of supporting information	N/A

6.0 Pollution incidents that may have had an impact on land, and their remediation	
N/A	
Checklist of supporting information	<ul style="list-style-type: none"> • Records of pollution incidents that may have impacted on land • Records of their investigation and remediation

7.0 Soil gas and water quality monitoring (where undertaken)	
N/A	
Checklist of supporting information	

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

312809668_1_1

Customer Reference:

CNC0623

National Grid Reference:

451710, 527470

Slice:

A

Site Area (Ha):

0.82

Search Buffer (m):

1000

Site Details:

D S B Ltd, Unit 30
Graythorp Industrial Estate
HARTLEPOOL
TS25 2DF

Client Details:

Mrs K Dowling
Olive Compliance Ltd
19 Main Street
ponteland
Newcastle
Newcastle
Northumberland
NE20 9NH

Prepared For:

Olive Compliance Ltd
19 Main Street
Ponteland
Newcastle upon Tyne
NE20 9NH

Report Section	Page Number
Summary	-
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Hazardous Substances	61
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Data Suppliers	89
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Introduction

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

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		6	4	11
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 6				5
Integrated Pollution Controls	pg 7				71
Integrated Pollution Prevention And Control	pg 18		3	9	24
Local Authority Integrated Pollution Prevention And Control	pg 29				1
Local Authority Pollution Prevention and Controls	pg 29		1		2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 29		Yes		
Pollution Incidents to Controlled Waters	pg 29			1	3
Prosecutions Relating to Authorised Processes	pg 30				6
Registered Radioactive Substances	pg 31				11
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 33		1		2
Water Abstractions	pg 33				1 (*2)
Water Industry Act Referrals	pg 34				5
Groundwater Vulnerability Map	pg 35	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 35	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 35	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 35		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 35		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 35		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 35	1	6	14	90

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 48		2		
Historical Landfill Sites	pg 48		2	1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 49			2	2
Licensed Waste Management Facilities (Locations)	pg 50		4	5	5
Local Authority Landfill Coverage	pg 53	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 53				3
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 53		9	9	17
Registered Landfill Sites	pg 56			1	2
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 57		2		3
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 61			5	4
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 61			1	2
Planning Hazardous Substance Consents	pg 62			1	15
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 65	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 65	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 65			1	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 66	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 66		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 66	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 66	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 66	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 67		18	11	26
Fuel Station Entries					
Points of Interest - Commercial Services	pg 71		7	2	3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 73		3	9	70
Points of Interest - Public Infrastructure	pg 79		2	3	10
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)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 82				1
Marine Nature Reserves					
National Nature Reserves	pg 82				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites	pg 82				1
Sites of Special Scientific Interest	pg 82				1
Special Areas of Conservation					
Special Protection Areas	pg 82				1
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (SW)	0	1	451709 527468
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	53	1	451650 527550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	150	1	451900 527550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	179	1	451950 527500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	215	1	451900 527650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	240	1	452000 527550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	275	1	451800 527150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	326	1	452100 527468
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	365	1	451300 527350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	445	1	451200 527450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	494	1	451150 527468
1	Discharge Consents Operator: Northumbrian Water Limited Property Type: Sewage Disposal Works - Water Company Location: Seaton Carew Sewage Treatment Works, Hartlepool, Uk, Ts25 2bu Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 25/04/1640 Permit Version: 3 Effective Date: 8th July 2002 Issued Date: 8th July 2002 Revocation Date: 18th May 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Controlled Sea Receiving Water: North Sea Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	247	2	451965 527625
1	Discharge Consents Operator: Northumbrian Water Limited Property Type: Sewage Disposal Works - Water Company Location: Seaton Carew Sewage Treatment Works, Hartlepool, Uk, Ts25 2bu Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 25/04/1640 Permit Version: 4 Effective Date: 19th May 2004 Issued Date: 8th July 2002 Revocation Date: 16th June 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Controlled Sea Receiving Water: North Sea Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	247	2	451965 527625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: Sewage Disposal Works - Water Company Location: Seaton Carew Sewage Treatment Works, Hartlepool, Uk, Ts25 2bu Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 25/04/1640 Permit Version: 5 Effective Date: 17th June 2004 Issued Date: 8th July 2002 Revocation Date: 2nd January 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: North Sea Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	247	2	451965 527625
1	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: Sewage Disposal Works - Water Company Location: Seaton Carew Sewage Treatment Works, Hartlepool, Uk, Ts25 2bu Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 25/04/1640 Permit Version: 6 Effective Date: 3rd January 2005 Issued Date: 8th July 2002 Revocation Date: 31st January 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: North Sea Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	247	2	451965 527625
1	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: Sewage Disposal Works - Water Company Location: Seaton Carew Sewage Treatment Works, Hartlepool, Uk, Ts25 2bu Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 25/04/1640 Permit Version: 7 Effective Date: 1st April 2005 Issued Date: 8th July 2002 Revocation Date: 31st May 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: North Sea Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	247	2	451965 527625
1	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: Sewage Disposal Works - Water Company Location: Seaton Carew Sewage Treatment Works, Hartlepool, Uk, Ts25 2bu Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 25/04/1640 Permit Version: 8 Effective Date: 1st February 2005 Issued Date: 8th July 2002 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Controlled Sea Environment: Receiving Water: North Sea Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	247	2	451965 527625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Hartlepool County Borough Council Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Graythorpe Sewage Disposal Works, Graythorpe, Hartlepool, Co Durham Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/B/0160 Permit Version: 1 Effective Date: 21st July 1972 Issued Date: 21st July 1972 Revocation Date: 3rd December 1998 Discharge Type: Sewage Discharges - Unspecified - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tidal Waters Of Greatham Creek Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (S)	322	2	451800 527100
2	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Graythorp Stw, Graythorp Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/0930 Permit Version: 1 Effective Date: 29th August 1989 Issued Date: 29th August 1989 Revocation Date: 31st August 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Greatham Creek Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m</p>	A8NE (S)	333	2	451830 527100
3	<p>Discharge Consents</p> <p>Operator: Stephenson Civil Engineering Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Stephenson Industrial Estate, Hartlepool Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 255/A/0589 Permit Version: 1 Effective Date: 6th May 1980 Issued Date: 6th May 1980 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Greatham Creek, Tributary Of Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NE)	400	2	452100 527700
4	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Tofts Farm West P.S., Greatham Authority: Environment Agency, North East Region Catchment Area: Tees (Middle) Reference: 255/1022 Permit Version: 1 Effective Date: 21st September 1989 Issued Date: 21st September 1989 Revocation Date: 3rd July 1992 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Greatham Creek, Tributary Of Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	427	2	452200 527500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Graythorp Stw, Graythorp Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 25/04/1758 Permit Version: 2 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Unnamed Trib Of Seaton Channel Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	616	2	452150 526980
5	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Graythorp Stw, Graythorp Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 25/04/1758 Permit Version: 2 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Unnamed Trib Of Seaton Channel Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	616	2	452150 526980
5	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Graythorp Stw, Graythorp Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 25/04/1758 Permit Version: 1 Effective Date: 1st September 2003 Issued Date: 3rd July 2003 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Unnamed Trib Of Seaton Channel Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	616	2	452150 526980
5	<p>Discharge Consents</p> <p>Operator: Northumbrian Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Graythorp Stw, Graythorp Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 25/04/1758 Permit Version: 1 Effective Date: 1st September 2003 Issued Date: 3rd July 2003 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Saline Estuary Environment: Receiving Water: Unnamed Trib Of Seaton Channel Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	616	2	452150 526980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprmb3691ev Permit Version: 1 Effective Date: 26th March 2021 Issued Date: 26th March 2021 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Seaton On Tees Channel Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	690	2	452289 527009
7	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: Metal Recycling Sites (mixed) Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1900 Permit Version: 1 Effective Date: 6th May 2008 Issued Date: 6th May 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Tributary Of River Tes 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</p>	A8SE (S)	722	2	452000 526750
8	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: Metal Recycling Sites (mixed) Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1902 Permit Version: 1 Effective Date: 3rd May 2012 Issued Date: 6th May 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tees 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</p>	A9NE (SE)	812	2	452400 526950
9	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: Metal Recycling Sites (mixed) Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1902 Permit Version: 1 Effective Date: 3rd May 2012 Issued Date: 6th May 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Saline Estuary Environment: Receiving Water: River Tees 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</p>	A9NE (SE)	883	2	452450 526900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1901 Permit Version: 1 Effective Date: 3rd May 2012 Issued Date: 26th June 2008 Revocation Date: 20th May 2013 Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of Tees Estuary Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	898	2	452150 526630
10	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1900 Permit Version: 1 Effective Date: 6th May 2008 Issued Date: 6th May 2008 Revocation Date: 20th May 2013 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Tributary Of River Tes Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	898	2	452150 526630
11	<p>Discharge Consents</p> <p>Operator: Able Uk Limited Property Type: Metal Recycling Sites (mixed) Location: Able Uk Limited Terrc Site, Graythorp, Hartlepool, County Durham, Ts25 2db Authority: Environment Agency, North East Region Catchment Area: Tees (Lower); Leven; Tame Reference: 254/1903 Permit Version: 2 Effective Date: 24th June 2009 Issued Date: 24th June 2009 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Saline Estuary Environment: Receiving Water: Seaton Channel -R.Tees Estuary Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	973	2	452577 526918
12	<p>Enforcement and Prohibition Notices</p> <p>Location: Tofts Farm Industrial Estate, HARTLEPOOL, . Permit Reference: Not Supplied Enforcement Date: 25th May 2001 Details: Ea And Hse Comah99 Prohibition Notice Following Release Of Approx 1.5 Tonnes Of Oily Organic / Water Mixture From A Reactor Vessel Into The Atmosphere At Around 10am On Sunday 20th May 01. Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	666	2	451247 528006
13	<p>Enforcement and Prohibition Notices</p> <p>Location: Tekchem Works, Tofts Farm West Industrial Estate, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Permit Reference: Not Given Enforcement Date: 20th September 1994 Details: Press Release HM053, Exceedance of release limits to water of suspended solids and failure to notify HMIP; under EPA90. Positional Accuracy: Unknown</p>	A18NW (N)	796	2	451538 528306
14	<p>Enforcement and Prohibition Notices</p> <p>Location: Greatham Works, Greatham, HARTLEPOOL, Cleveland, TS25 2DD Permit Reference: Not Given Enforcement Date: 18th January 1996 Details: Press Release HM363, Failure to prevent excessive amounts of chlorine from being released when the plant is closed for maintenance. Positional Accuracy: Unknown</p>	A7SE (S)	929	2	451370 526536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Enforcement and Prohibition Notices</p> <p>Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Permit Reference: Not Given Enforcement Date: 1st September 1994 Details: Press Release HM054. Breaches of authorised limit value for suspended solids to controlled waters; under EPA90. (Prohibition Notice lifted 11/07/1997) Positional Accuracy: Unknown</p>	A7SE (S)	939	2	451370 526526
14	<p>Enforcement and Prohibition Notices</p> <p>Location: Greatham Works, HARTLEPOOL, Cleveland, TS25 2DD Permit Reference: NOT GIVEN Enforcement Date: 15th February 1999 Details: EA Data 05/01/2000, Prohibition Notice served after acid leaked from site into Greenabella Marsh (SSSI). Prohibited use of broken drains, required regular pH monitoring & that acidic surface waters of pH<4 not released from site. Notice lifted 22/12/99. Positional Accuracy: Automatically positioned to the address</p>	A7SE (S)	953	2	451370 526511
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm West Industrial Estate, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bx4976 Dated: 15th March 2004 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bv2913 Dated: 15th July 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bt3749 Dated: 24th October 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bt3765 Dated: 24th October 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bt3757 Dated: 24th October 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BG5395 Dated: 13th August 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BE4096 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BE3898 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BA8987 Dated: 1st April 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BA9878 Dated: 27th March 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV9573 Dated: 3rd July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV9549 Dated: 2nd July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AT7464 Dated: 18th October 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AO8661 Dated: 25th October 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AO8688 Dated: 25th October 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AK8953 Dated: 29th March 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.1 A (C) Petrochemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007
15	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: BAKER PETROLITE LTD, Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AK8937 Dated: 29th March 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	2	451247 528007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Integrated Pollution Controls</p> <p>Name: Eastman Co Uk Ltd Location: Hunter House Industrial Estate, Hartlepool, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: Bj9240 Dated: 20th December 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	722	2	451768 528250
16	<p>Integrated Pollution Controls</p> <p>Name: Palmer (Uk) Ltd Location: Unit Bt6019 Tofts Farm Industrial Estate, Brenda Road, Hartlepool, Cleveland, Ts25 2bs Authority: Environment Agency, North East Region Permit Reference: Bv5734 Dated: 14th October 2003 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A18NE (N)	733	2	451726 528263
17	<p>Integrated Pollution Controls</p> <p>Name: Eastman Co Uk Ltd Location: Hunter House Industrial Estate, Brenda Lane, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AY8930 Dated: 13th June 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A18NE (N)	824	2	451776 528352
17	<p>Integrated Pollution Controls</p> <p>Name: Eastman Co Uk Ltd Location: Hunter House Industrial Estate, Brenda Lane, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AT4295 Dated: 15th September 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A18NE (N)	830	2	451786 528357
17	<p>Integrated Pollution Controls</p> <p>Name: Eastman Co Uk Ltd Location: Hunter House Industrial Estate, Brenda Lane, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AV4113 Dated: 16th April 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A18NE (N)	835	2	451786 528362
17	<p>Integrated Pollution Controls</p> <p>Name: Eastman Co Uk Ltd Location: Hunter House Industrial Estate, Brenda Lane, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AY3423 Dated: 3rd April 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned within the geographical locality</p>	A18NE (N)	840	2	451786 528367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, Hartlepool, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Bz4080 Dated: 3rd October 2005 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	841	2	451516 526584
18	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Ca3394 Dated: 24th March 2006 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	842	2	451516 526584
18	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Bv4843 Dated: 19th August 2004 Process Type: IPC major (substantial) variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	842	2	451516 526584
18	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, Hartlepool, Cleveland, Ts25 2dd Authority: Environment Agency, North East Region Permit Reference: By3894 Dated: Not Supplied Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	853	2	451505 526575
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BH0640 Dated: 12th October 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	926	2	451380 526536
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AW2256 Dated: 26th July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	931	2	451365 526536
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: A19869 Dated: 9th June 1993 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	932	2	451375 526531

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AX4254 Dated: 10th December 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	933	2	451360 526536
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AT3132 Dated: 8th September 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	934	2	451370 526531
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BE6617 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	935	2	451380 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AL8363 Dated: 14th June 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.4 A (B) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	936	2	451365 526531
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BB4022 Dated: 15th June 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	937	2	451375 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BA2822 Dated: 18th December 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown</p>	A8SW (S)	937	2	451375 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AW9765 Dated: 18th October 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	937	2	451360 526531

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Bm4287 Dated: 24th May 2002 Process Type: IPC major (substantial) variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	939	2	451370 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Bk8931 Dated: 18th May 2001 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	939	2	451370 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Hartlepool, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Bj8308 Dated: 13th November 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	939	2	451370 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road., Hartlepool, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Bj0404 Dated: 13th September 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	939	2	451370 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BC2653 Dated: 20th October 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	940	2	451380 526521
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AA2305 Dated: 6th January 1992 Process Type: IPC new application Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	940	2	451365 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AQ4063 Dated: 6th March 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	941	2	451375 526521

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BA7735 Dated: 13th March 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	942	2	451375 526521
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AX7547 Dated: 29th January 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	942	2	451360 526526
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BB1333 Dated: 29th April 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	943	2	451370 526521
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AR0578 Dated: 5th May 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	943	2	451370 526521
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BE2425 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation revoked Positional Accuracy: Unknown</p>	A8SW (S)	944	2	451380 526516
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AU2387 Dated: 15th December 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	945	2	451365 526521
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AY8913 Dated: 13th June 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	947	2	451360 526521

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BH5404 Dated: 21st December 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	949	2	451380 526511
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BH4572 Dated: 1st December 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A8SW (S)	951	2	451375 526511
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BG3791 Dated: 8th July 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	951	2	451360 526516
19	<p>Integrated Pollution Controls</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BG7550 Dated: 6th September 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.4 A (A) processes involving Halogens within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	956	2	451360 526511
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm, West Industrial Estate, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BE4576 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	933	2	451554 528448
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AK8929 Dated: 14th June 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	934	2	451574 528453
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AR2716 Dated: 2nd May 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	937	2	451559 528453

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AO8696 Dated: 25th October 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	939	2	451574 528458
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV9565 Dated: 2nd July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	942	2	451554 528458
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BB2232 Dated: 6th May 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	945	2	451569 528463
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AO8670 Dated: 25th October 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	946	2	451564 528463
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AO8700 Dated: 25th October 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	947	2	451559 528463
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AK8945 Dated: 29th March 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	949	2	451574 528468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BA8839 Dated: 27th March 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	950	2	451569 528468
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AT7243 Dated: 18th October 1995 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	951	2	451564 528468
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AM8911 Dated: 13th April 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	951	2	451559 528468
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV9522 Dated: 2nd July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	952	2	451554 528468
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AK8961 Dated: 29th March 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	954	2	451574 528473
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Performance Chemicals Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV9557 Dated: 2nd July 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	956	2	451564 528473

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Integrated Pollution Controls</p> <p>Name: Baker Hughes Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV7341 Dated: 24th May 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	957	2	451554 528473
21	<p>Integrated Pollution Prevention And Control</p> <p>Name: Gee Dee Cleansing Limited Location: Gee Dee Cleansing Ltd, Unit 1, Graythorp Industrial Estate,,, HARTLEPOOL, Cleveland, TS25 2DF Authority: Environment Agency, North East Region Permit Reference: DP3636HA Original Permit Ref: Dp3636ha Effective Date: 10th June 2011 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y</p>	A13SW (S)	207	2	451670 527200
21	<p>Integrated Pollution Prevention And Control</p> <p>Name: Gee Dee Cleansing Limited Location: Gee Dee Cleansing Ltd, Unit 1, Graythorp Industrial Estate, ,, HARTLEPOOL, Cleveland, TS25 2DF Authority: Environment Agency, North East Region Permit Reference: TP3938VH Original Permit Ref: Dp3636ha Effective Date: 20th March 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y</p>	A13SW (S)	208	2	451674 527199
21	<p>Integrated Pollution Prevention And Control</p> <p>Name: Gee Dee Cleansing Limited Location: Gee Dee Cleansing Ltd, Unit 1, Graythorp Industrial Estate,,, HARTLEPOOL, Cleveland, TS25 2DF Authority: Environment Agency, North East Region Permit Reference: VP3232VH Original Permit Ref: Dp3636ha Effective Date: 29th May 2014 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y</p>	A13SW (S)	247	2	451636 527167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook2sisters Ltd Location: Graythorpe - Epr/Lp3130uw, Graythorpe, Graythorp,,, HARTLEPOOL, Cleveland, TS25 2DS Authority: Environment Agency, North East Region Permit Reference: JP3639ZP Original Permit Ref: Lp3130uw Effective Date: 14th February 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A12NE (W)	296	2	451353 527526
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook2sisters Ltd Location: Graythorpe, Graythorpe, Graythorp,,, HARTLEPOOL, Cleveland, TS25 2DS Authority: Environment Agency, North East Region Permit Reference: BP3739TC Original Permit Ref: Lp3130uw Effective Date: 19th March 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A12NE (W)	296	2	451353 527526
22	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook2sisters Ltd Location: Graythorp Farm, Graythorp, Hartlepool, Cleveland, TS25 2DS Authority: Environment Agency, North East Region Permit Reference: LP3130UW Original Permit Ref: Lp3130uw Effective Date: 19th October 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A12NE (W)	296	2	451353 527526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p>Integrated Pollution Prevention And Control</p> <p>Name: Alab Environmental Services Limited Location: Seaton Meadows Hw Facility Epr/Lp3231sr, Brenda Road, Seaton Carew,, HARTLEPOOL, Cleveland, TS25 2BJ Authority: Environment Agency, North East Region Permit Reference: BP3036EB Original Permit Ref: Lp3231sr Effective Date: 8th January 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y</p>	A13NE (NE)	390	2	452000 527800
24	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hook2sisters Ltd Location: Graythorpe - Epr/Lp3130uw, Graythorpe, Graythorp,,, HARTLEPOOL, Cleveland, TS25 2DS Authority: Environment Agency, North East Region Permit Reference: HP3102PT Original Permit Ref: Lp3130uw Effective Date: 10th February 2020 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y</p>	A12NE (W)	395	2	451250 527500
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Alab Environmental Services Limited Location: Seaton Meadows Hw Facility Epr/Lp3231sr, Brenda Road, Seaton Carew,, HARTLEPOOL, Cleveland, TS25 2BJ Authority: Environment Agency, North East Region Permit Reference: LP3231SR Original Permit Ref: Lp3231sr Effective Date: 16th April 2008 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 5.3 A(1) (A) Activity Description: Other Waste Disposal; Hazardous Waste Greater Than 10T/D Primary Activity: Y Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: N Activity Code: 5.3 A(1) (C) (II) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A19SW (NE)	461	2	452050 527850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Alab Environmental Services Limited Location: Seaton Meadows, Brenda Road, Tofts Farm Industrial Estate, Hartlepool, Cleveland, TS25 2BS Authority: Environment Agency, North East Region Permit Reference: EP3830LE Original Permit Ref: Ep3830le Effective Date: 17th October 2006 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Manually positioned to the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y</p>	A19SW (NE)	461	2	452050 527850
25	<p>Integrated Pollution Prevention And Control</p> <p>Name: Alab Environmental Services Limited Location: Seaton Meadows Hw Facility Epr/Lp3231sr, Brenda Road, Seaton Carew,, HARTLEPOOL, Cleveland, TS25 2BJ Authority: Environment Agency, North East Region Permit Reference: WP3738QM Original Permit Ref: Lp3231sr Effective Date: 11th January 2019 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N</p>	A19SW (NE)	492	2	452054 527889
26	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tata Steel Uk Limited Location: Hartlepool Pipe Mill Epr/Bs8664il, Borus Tubes, Hartlepool 20"" Pipe Mill, Brenda Road, Hartlepool, Cleveland Authority: Environment Agency, North East Region Permit Reference: Tp3333ls Original Permit Ref: Bs8664il Effective Date: 31st October 2005 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 2.1 A(1) (C) Activity Description: Ferrous Metals; Hot Rolling Greater Than 20T/Hr Primary Activity: N Activity Code: 1.1 B (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 20Mw But Less Than 50Mw (Unless 1.1 A(1) B) Primary Activity: Y</p>	A18SE (N)	464	2	451881 527964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Total Recycling Services Ltd Location: Teesside Waste Management Facility, Tofts Road West, Tofts Farm Industrial Estate,, Hartlepool, Co. Durham, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: ZP3237QR Original Permit Ref: Bp3830qw Effective Date: 22nd November 2019 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N</p>	A18SW (NW)	599	2	451440 528060
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Total Recycling Services Ltd Location: Teesside Waste Management Facility - Epr/Bp3830qw, Tofts Farm Industrial Estate W, Brenda Road,, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BP3830QW Original Permit Ref: Bp3830qw Effective Date: 30th November 2018 Status: Superseded By Variation Application Type: Transfer App. Sub Type: Whole limited change in management Positional Accuracy: Located by supplier to within 10m Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y</p>	A18SW (NW)	599	2	451440 528060
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Veolia Es (Uk) Limited Location: Teesside Waste Management Facility, Tofts Farm Industrial Estate W, Brenda Road,, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: ZP3831EG Original Permit Ref: Qp3537sa Effective Date: 27th February 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 5.6 A(1) a) Activity Description: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Primary Activity: N Activity Code: 5.3 A(1) a) (ii) Activity Description: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: Y</p>	A18SW (NW)	599	2	451440 528060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Veolia Es (UK) Limited Location: Teesside Waste Management Facility, Tofts Farm Industrial Estate W, Brenda Road,, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: SP3533TZ Original Permit Ref: Qp3537sa Effective Date: 8th April 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y</p>	A18SW (NW)	599	2	451445 528063
27	<p>Integrated Pollution Prevention And Control</p> <p>Name: Veolia Es (UK) Limited Location: Teesside Waste Management Facility, Tofts Road West, Tofts Farm Industrial Estate, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Qp3537sa Original Permit Ref: Qp3537sa Effective Date: 28th September 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (A) Activity Description: Other Waste Disposal; Hazardous Waste Greater Than 10T/D Primary Activity: N Activity Code: 5.3 A(1) (B) Activity Description: Other Waste Disposal; Waste Oils Greater Than 10T/Day Primary Activity: Y Activity Code: 5.3 A(1) (C) (II) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Physico-Chemical Treatment Primary Activity: N</p>	A18SW (NW)	599	2	451445 528063
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: Baker Hughes Limited Location: Hartlepool Performance Chemical Manufacture, Baker Petrolite, Tofts Farm West Industrial Est, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: JP3039XH Original Permit Ref: Bt9836if Effective Date: 18th February 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the address or location Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A17SE (NW)	665	2	451247 528004
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: Baker Hughes Limited Location: Hartlepool Performance Chemical Manufacture, Baker Petrolite, Tofts Farm West Industrial Est, Brenda Road,, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: SP3338VY Original Permit Ref: Bt9836if Effective Date: 13th November 2014 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Located by supplier to within 100m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: N</p>	A17SE (NW)	666	2	451240 528000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: Baker Hughes Limited Location: Hartlepool Performance Chemical Manufacture, Baker Petrolite, Tofts Farm West Industrial Est, Brenda Road,, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: RP3034NJ Original Permit Ref: Bt9836if Effective Date: 30th May 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: N Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A17SE (NW)	666	2	451240 528000
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: Baker Hughes Limited Location: Hartlepool Performance Chemical Manufacture, Baker Petrolite, Tofts Farm West Industrial Est, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Mp3535sh Original Permit Ref: Bt9836if Effective Date: 30th May 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A17SE (NW)	667	2	451247 528007
28	<p>Integrated Pollution Prevention And Control</p> <p>Name: Baker Hughes Limited Location: Hartlepool Performance Chemical Manufacture, Baker Petrolite, Tofts Farm West Industrial Est, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bt9836if Original Permit Ref: Bt9836if Effective Date: 16th April 2004 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y</p>	A17SE (NW)	667	2	451247 528007
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Venator Materials Uk Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,,, Hartlepool, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: FP3309PB Original Permit Ref: Tp3532pk Effective Date: 10th December 2019 Status: Effective Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Automatically positioned to the address Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A8SW (S)	841	2	451516 526584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Venator Materials Uk Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,,, Hartlepool, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: MP3937QD Original Permit Ref: Tp3532pk Effective Date: 1st February 2019 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A8SW (S)	841	2	451516 526584
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Huntsman P&A Uk Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BP3738AE Original Permit Ref: Tp3532pk Effective Date: 1st January 2016 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A8SW (S)	842	2	451516 526584
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: JP3334EF Original Permit Ref: Tp3532pk Effective Date: 17th December 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.4 A(1) (a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N</p>	A8SW (S)	842	2	451516 526584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: XP3935ZC Original Permit Ref: Tp3532pk Effective Date: 12th December 2012 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A8SW (S)	842	2	451516 526584
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: BP3235TA Original Permit Ref: Tp3532pk Effective Date: 9th September 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N</p>	A8SW (S)	842	2	451516 526584
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: EP3939XQ Original Permit Ref: Tp3532pk Effective Date: 17th December 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A8SW (S)	842	2	451516 526584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: GP3034UA Original Permit Ref: Tp3532pk Effective Date: 5th October 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y</p>	A8SW (S)	842	2	451516 526584
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: LP3634ML Original Permit Ref: Tp3532pk Effective Date: 16th April 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N</p>	A8SW (S)	842	2	451516 526584
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Anglian Water Services Ltd Location: Greatham Titanium Dioxide - Epr/Kp3538sn, Greatham Works, Tees Road, Greatham,, Hartlepool, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Kp3538sn Original Permit Ref: Kp3538sn Effective Date: 16th June 2006 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: -</p>	A8SW (S)	842	2	451516 526584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p>Integrated Pollution Prevention And Control</p> <p>Name: Tioxide Europe Limited Location: Greatham Works Epr/Tp3532pk, Greatham Works, Tees Road,, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: Tp3532pk Original Permit Ref: Tp3532pk Effective Date: 16th June 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50MW Primary Activity: N Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 4.2 A(1) (A) (V) Activity Description: Inorganic Chemicals; Non Metals Etc Eg Calcium Carbide Primary Activity: Y</p>	A8SW (S)	842	2	451516 526584
30	<p>Integrated Pollution Prevention And Control</p> <p>Name: Alab Environmental Services Limited Location: Seaton Meadows, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BS Authority: Environment Agency, North East Region Permit Reference: QP3033GC Original Permit Ref: Ep3830le Effective Date: 2nd September 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y</p>	A18NW (N)	842	2	451624 528367
31	<p>Integrated Pollution Prevention And Control</p> <p>Name: Bioconstruct Newenergy Ltd Location: Hartlepool Biopower Anaerobic Digestion Plant Epr/Cp3834yh, Hartlepool Biopower Anaerobic Digestion Plant, Brenda Road,, Hartlepool, Teesside, TS25 2BW Authority: Environment Agency, North East Region Permit Reference: AP3033QX Original Permit Ref: Cp3834yh Effective Date: 26th March 2019 Status: Effective Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.4 A(1) b) (i) Activity Description: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: Y</p>	A18NW (N)	872	2	451450 528360
31	<p>Integrated Pollution Prevention And Control</p> <p>Name: Bioconstruct Newenergy Limited Location: Biopower Hartlepool Ltd, Biopower Hartlepool Ltd, B1277 Brenda Road,, Hartlepool,, Teesside, TS25 2BW Authority: Environment Agency, North East Region Permit Reference: CP3834YH Original Permit Ref: Cp3834yh Effective Date: 18th December 2017 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.4 A(1) b) (i) Activity Description: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N</p>	A18NW (N)	872	2	451450 528360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<p>Local Authority Integrated Pollution Prevention And Control</p> <p>Name: Birtley Building Products Ltd Location: Lionweld Galvanising, Tofts Farms West, Brenda Road, HARTLEPOOL, TS25 2BQ Authority: Hartlepool Borough Council, Environmental Health Department Permit Reference: IPPC/A2/1 Dated: 12th September 2005 Process Type: Production and Processing of Metals Description: Galvanising Process Status: Permit Revoked Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SW (N)	633	3	451506 528126
33	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Pioneer Concrete UK Ltd Location: Graythorp Industrial Estate, HARTLEPOOL, Cleveland, TS25 2DF Authority: Hartlepool Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (SW)	172	3	451543 527324
34	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Hope Ready Mix Concrete Ltd Location: Tofts Farm West Industrial Estate, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Hartlepool Borough Council, Environmental Health Department Permit Reference: EP2008/04 Dated: 30th June 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A18SW (NW)	571	3	451418 528016
35	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Lionweld Kennedy Ltd Location: Tofts Farm West Industrial Estate, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Authority: Hartlepool Borough Council, Environmental Health Department Permit Reference: 92/03v Dated: 1st November 1998 Process Type: Local Authority Air Pollution Control Description: PG2/2 Hot dip galvanising processes Status: Authorisation has varied Positional Accuracy: Manually positioned to the address or location</p>	A18NW (N)	647	3	451637 528172
	Nearest Surface Water Feature	A13SE (SE)	7	-	451741 527433
36	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial: Other Location: Unknown Stream, HARTLEPOOL Authority: Environment Agency, North East Region Pollutant: Unknown Note: No Fish Killed Incident Date: 21st October 1995 Incident Reference: DD950392 Catchment Area: Tees Downstream Skerne To North Sea Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	476	2	451300 527800
37	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Agricultural Location: Tofts Farm, West Industrial Estate Authority: Environment Agency, North East Region Pollutant: Unknown Note: Fish Killed: No Information Incident Date: 21st June 1995 Incident Reference: DD950206 Catchment Area: Tees Downstream Skerne To North Sea Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	618	2	451200 527900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Chemical industry Location: Tees, Seal Sands - Tioxide Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Organic Note: No Fish Killed Incident Date: 25th April 1996 Incident Reference: DD960115 Catchment Area: Tees Downstream Skerne To North Sea Receiving Water: Saline Estuary Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	811	2	451600 526600
38	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Chemical industry Location: Tees, SEALAND Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Organic Note: No Pollution Found; No Fish Killed Incident Date: 25th April 1996 Incident Reference: DD960115 Catchment Area: Tees Downstream Skerne To North Sea Receiving Water: Saline Estuary Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	816	2	451600 526595
39	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Tees Bay Business Park, Brenda Road, HARTLEPOOL, Cleveland, TS25 Prosecution Text: EA Data 25/07/2000, Five offences of depositing waste. Two deposits consisted of catering waste, two of renovation waste and one of garage waste. Prosecution Act: EPA90 Hearing Date: 19th July 2000 Verdict: Guilty Fine: 2500 Costs: 2500 Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SE (N)	516	2	451835 528033
39	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Tees Bay Business Park, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BU Prosecution Text: EA News Release 15/03/1999, Flytipped rubbish consisting of asbestos sheeting on land at Tees Bay Business Park. Received a 12 month conditional discharge. Prosecution Act: EPA90 s33 Hearing Date: 9th March 1999 Verdict: Guilty Fine: 0 Costs: 300 Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SE (N)	516	2	451830 528034
40	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Seaton Meadows Landfill, Brenda Road, Hartlepool, Ts25 Prosecution Text: Failing to deal with asbestos waste in line with waste regulations Prosecution Act: Ppcr 32(1)(B) Hearing Date: 13th November 2007 Verdict: Guilty Fine: 22000 Costs: 4522 Positional Accuracy: Manually positioned to the address or location</p>	A18SE (NE)	574	2	452018 528020
41	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Tofts Farm Industrial Estate, Tofts Road West, Hartlepool, Ts25 2bq Prosecution Text: Carrying out practices that contravened the waste management licence conditions Prosecution Act: Epa90 S34 Hearing Date: 21st May 2004 Verdict: Guilty Fine: 10000 Costs: 6046 Positional Accuracy: Manually positioned within the geographical locality</p>	A18SW (NW)	613	2	451429 528070
41	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Tofts Road West, Hartlepool, TS25 2BQ Prosecution Text: Storing dangerous chemicals without holding the correct WML Prosecution Act: Epa90 S33 Hearing Date: 6th December 2005 Verdict: Guilty Fine: 45000 Costs: 21636 Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SW (NW)	621	2	451429 528079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Greatham Works, Sealsands, HARTLEPOOL, Cleveland, TS25 2DD Prosecution Text: Charged Relating To Unauthorised Discharge Of Acid Into A Marsh, Fialing To Maintain Plant Equipment, And Inadequate Amnagement Of The Plant. Prosecution Act: Epa90 Hearing Date: 21st December 2000 Verdict: Guilty Fine: 150000 Costs: 18710 Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	868	2	451504 526559
43	<p>Registered Radioactive Substances</p> <p>Name: Able Uk Ltd Location: Terrc Base, Tees Road, Graythorp, HARTLEPOOL, Cleveland, TS25 2DB Authority: Environment Agency, North East Region Permit Reference: CC3115 Dated: 4th July 2008 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	597	2	452264 527127
43	<p>Registered Radioactive Substances</p> <p>Name: Able Uk Holdings Ltd Location: Tees Road, GRAYTHORP, HARTLEPOOL, Cleveland, TS25 2DB Authority: Environment Agency, North East Region Permit Reference: Bw4890 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	597	2	452264 527127
43	<p>Registered Radioactive Substances</p> <p>Name: Able Uk Holdings Ltd Location: Tees Road, GRAYTHORP, HARTLEPOOL, Cleveland, TS25 2DB Authority: Environment Agency, North East Region Permit Reference: BA1842 Dated: 27th April 1998 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	597	2	452264 527127
43	<p>Registered Radioactive Substances</p> <p>Name: Able Uk Holdings Ltd Location: Tees Road, GRAYTHORP, HARTLEPOOL, Cleveland, TS25 2DB Authority: Environment Agency, North East Region Permit Reference: BA1869 Dated: 27th April 1998 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	597	2	452264 527127
44	<p>Registered Radioactive Substances</p> <p>Name: Able Uk Limited Location: Graythorpe Works, Tees Road, Hartlepool, Ts25 2db Authority: Environment Agency, North East Region Permit Reference: LB3735DA Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	704	2	452300 527000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<p>Registered Radioactive Substances</p> <p>Name: Magnox Electric Ltd Location: District Survey Laboratory, Unit 9 Hunter House Estate, Tofts Farm East, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AB8708 Dated: 2nd July 1992 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Unknown</p>	A18NE (N)	834	2	451776 528362
45	<p>Registered Radioactive Substances</p> <p>Name: British Energy Generation Ltd Location: District Survey Laboratory, Unit 9 Hunter House Industrial Estate, Tofts Farm East, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AU2476 Dated: 14th March 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown</p>	A18NE (N)	839	2	451776 528367
45	<p>Registered Radioactive Substances</p> <p>Name: British Energy Generation Ltd Location: District Survey Laboratory, Unit 9 Hunter House Industrial Estate, Tofts Farm East, HARTLEPOOL, Cleveland, TS25 2BE Authority: Environment Agency, North East Region Permit Reference: AU2786 Dated: 14th March 1996 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Discretionary registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown</p>	A18NE (N)	839	2	451771 528367
46	<p>Registered Radioactive Substances</p> <p>Name: Huntsman P&A Uk Limited Location: Huntsman Pigments, Greatham Works, Tees Road, Hartlepool, Ts25 2dd Authority: Environment Agency, North East Region Permit Reference: MB3339DR Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Application has been determined by the EA Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	841	2	451516 526584
46	<p>Registered Radioactive Substances</p> <p>Name: Tioxide Europe Ltd Location: Huntsman Pigments, Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: CE1911 Dated: 22nd March 2010 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	842	2	451516 526584
47	<p>Registered Radioactive Substances</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Environment Agency, North East Region Permit Reference: AC4953 Dated: 31st March 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Unknown</p>	A8SW (S)	930	2	451380 526531

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, North East Area Incident Date: 14th April 2009 Incident Reference: 670312 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects Damage to Buildings, Vehicles and Vegetation Pollutant: Atmospheric Pollutants and Effects: Fumes Pollutant: Atmospheric Pollutants and Effects: Smoke Pollutant: Contaminated Water: Firefighting Run-Off</p>	A13NW (N)	4	2	451694 527515
49	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, North East Area Incident Date: 3rd March 2004 Incident Reference: 220623 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Other Pollutant</p>	A18SW (NW)	566	2	451455 528031
50	<p>Substantiated Pollution Incident Register</p> <p>Authority: Environment Agency - North East Region, North East Area Incident Date: 30th July 2003 Incident Reference: 177667 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Chemical Odour</p>	A9NW (SE)	599	2	452268 527129
51	<p>Water Abstractions</p> <p>Operator: Able Uk Ltd Licence Number: Ne/025/0001/018 Permit Version: 1 Location: Seaton On Tees Channel - Tidal Authority: Environment Agency, North East Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th March 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	664	2	452188 526949
	<p>Water Abstractions</p> <p>Operator: British Energy Generation Ltd Licence Number: 1/25/04/120 Permit Version: 100 Location: Seaton On Tees Channel - Tidal Authority: Environment Agency, North East Region Abstraction: Production of Energy: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): 3011 Yearly Rate (m3): 109898800 Details: Land At Hartlepool Power Station, Tees Road, Hartlepool, Cleveland Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th March 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10NW (SE)	1309	2	452900 526800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Nuclear Electric PLC Licence Number: 01/25/4/120 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Tidal Daily Rate (m3): 3011270 Yearly Rate (m3): 1099113696 Details: Tees Dock; Licence Status:Revoked; Lapsed Or Cancelled 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>	A10NW (SE)	1312	2	452900 526795
52	<p>Water Industry Act Referrals</p> <p>Name: Shanks Chemical Services Ltd Location: SHANKS CHEMICAL SERVICES LTD, TOFTS FARM WEST IND EST, BRENDA ROAD, HARTLEPOOL, CLEVELAND, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: Bu1172 Dated: 16th January 2003 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	599	2	451445 528063
52	<p>Water Industry Act Referrals</p> <p>Name: Shanks And Mcewan Ltd Location: TOFTS ROAD WEST IND EST, BRENDA ROAD, HARTLEPOOL, CLEVELAND, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AV4083 Dated: 28th March 1996 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Manually positioned to the address or location</p>	A18SW (NW)	599	2	451445 528063
52	<p>Water Industry Act Referrals</p> <p>Name: Shanks And Mcewan Ltd Location: SHANKS AND MCEWAN LTD, PLOT 5, TOFTS FARM IND EST, HARTLEPOOL, CLEVELAND, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: AM7249 Dated: 11th February 1994 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	599	2	451445 528063
52	<p>Water Industry Act Referrals</p> <p>Name: Shanks And Mcewan Ltd Location: SHANKS AND MCEWAN LTD, PLOT 5, TOFTS FARM IND EST, HARTLEPOOL, CLEVELAND, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: A14590 Dated: 5th April 1993 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	599	2	451445 528063
53	<p>Water Industry Act Referrals</p> <p>Name: Shanks Chemical Services Ltd Location: SHANKS CHEMICAL SERVICES LTD, TOFTS FARM WEST IND EST, BRENDA ROAD, HARTLEPOOL, CLEVELAND, TS25 2BQ Authority: Environment Agency, North East Region Permit Reference: BZ4829 Dated: 4th July 2005 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	800	2	451500 528300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13NW (SW)	0	4	451709 527468
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (SW)	0	4	451709 527468
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (SW)	0	4	451709 527468
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	223	2	451779 527198
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	236	2	451961 527324
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	228	2	451785 527195
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SE (S)	228	2	451785 527195
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SE (SE)	236	2	451961 527324
	Flood Water Storage Areas None				
	Flood Defences None				
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 230.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SW (SW)	0	5	451709 527468
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SE (SE)	7	5	451741 527432
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SE (SE)	25	5	451752 527418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SE (SE)	67	5	451780 527387
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 391.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SE (SE)	114	5	451800 527342
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13NW (NW)	140	5	451586 527602
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13NW (NW)	209	5	451519 527638
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13NW (NW)	260	5	451457 527651
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13NW (NW)	266	5	451449 527651
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13NW (NW)	313	5	451405 527672
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 312.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13NW (NW)	318	5	451400 527675
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (SW)	363	5	451472 527121

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (SW)	366	5	451515 527088
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 389.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (SW)	369	5	451526 527079
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (S)	372	5	451633 527039
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SW (SW)	379	5	451400 527172
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 422.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A13SW (SW)	385	5	451383 527183
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 806.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A14NW (NE)	391	5	452086 527706
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A14NW (NE)	406	5	452062 527754
73	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 82.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (S)	457	5	451686 526949
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 459.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A14SW (SE)	485	5	452211 527258

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NE (SE)	504	5	452020 527019
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (S)	538	5	451699 526868
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NW (S)	543	5	451699 526863
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 376.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A12SE (W)	560	5	451085 527461
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NE (SE)	564	5	451992 526924
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 466.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8NE (SE)	603	5	451969 526867
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A17SE (NW)	608	5	451210 527897
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	620	5	451755 526788
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	639	5	451761 526770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	662	5	451872 526766
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A17SE (NW)	677	5	451150 527933
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	731	5	451366 526754
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	752	5	451893 526680
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A17SE (NW)	756	5	451076 527970
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A17SE (NW)	759	5	451072 527970
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	759	5	451909 526677
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	774	5	451907 526661
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 197.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	786	5	451243 526764

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	790	5	451321 526712
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	791	5	451332 526704
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	791	5	451328 526707
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	792	5	451338 526700
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	792	5	451140 526843
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	794	5	451346 526693
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	794	5	451345 526694
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	796	5	451157 526822
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 331.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	798	5	451357 526683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	798	5	451359 526683
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	798	5	451225 526763
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	798	5	451147 526828
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	800	5	451297 526714
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	800	5	451140 526832
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	806	5	451154 526810
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	809	5	451139 526820
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	810	5	451134 526824
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	810	5	451134 526824

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	818	5	452497 527852
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	818	5	452497 527851
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	818	5	452497 527851
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	831	5	451058 526875
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NE (SW)	832	5	451056 526877
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	834	5	451334 526655
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7SE (SW)	841	5	451331 526649
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	848	5	450986 526937
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	851	5	450975 526944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	A8SE (S)	853	5	451734 526553
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	862	5	450969 526936
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	868	5	452437 528029
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A9SW (S)	868	5	452057 526616
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A12SW (W)	878	5	450767 527443
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 261.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A12SW (W)	882	5	450763 527442
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	883	5	452451 528035
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	893	5	452464 528035
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	898	5	451805 526514

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	898	5	450885 526992
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	898	5	450884 526993
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 241.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	898	5	451805 526514
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	903	5	451793 526508
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	905	5	452487 528026
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	909	5	452490 528028
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	909	5	452490 528028
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	925	5	451756 526482
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A14SE (E)	930	5	452668 527210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	930	5	450813 527053
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A14SE (E)	933	5	452671 527211
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 130.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	934	5	451771 526474
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A14SE (E)	936	5	452669 527191
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	937	5	450793 527078
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	937	5	450802 527061
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	940	5	450806 527046
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	942	5	450794 527067
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	945	5	450797 527052

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	949	5	452018 526512
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	951	5	450788 527058
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (SW)	951	5	450788 527058
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	952	5	451904 526476
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	A19SE (NE)	962	5	452560 528023
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	A19SE (NE)	963	5	452558 528028
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	964	5	452557 528030
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	968	5	452561 528032
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	968	5	452561 528032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	969	5	452560 528034
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 310.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19NE (NE)	971	5	452436 528184
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	A8SE (S)	971	5	452024 526491
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A8SE (S)	971	5	452024 526491
160	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	A8SE (S)	981	5	452046 526488
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 2	A19SE (NE)	998	5	452581 528055
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A19SE (NE)	998	5	452581 528055
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (W)	999	5	450714 527108
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tees Primacy: 1	A7NW (W)	1000	5	450712 527109

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	<p>BGS Recorded Landfill Sites</p> <p>Site Name: Graythorp Tip Location: Graythorp Ind Estate, HARTLEPOOL, Cleveland Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good</p>	A13SE (SE)	170	-	451900 527354
166	<p>BGS Recorded Landfill Sites</p> <p>Site Name: Graythorp Tip Location: Graythorp Ind Estate, HARTLEPOOL, Cleveland Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good</p>	A13SE (SE)	171	-	451860 527318
167	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Graythorp Ind Estate, Hartlepool, Cleveland Name: Graythorp Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31602 First Input Date: 31st October 1971 Last Input Date: 30th April 1972 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1326 Other Ref: Not Supplied</p>	A13SE (SE)	170	2	451860 527318
168	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Graythorp Ind Estate, Hartlepool, Cleveland Name: Graythorp Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31601 First Input Date: 31st December 1970 Last Input Date: 31st March 1972 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste, and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1325 Other Ref: Not Supplied</p>	A13SE (SE)	170	2	451901 527354
169	<p>Historical Landfill Sites</p> <p>Licence Holder: Stephenson Civil Engineering Company Limited Location: Brenda Road, Hartlepool Name: Seaton Meadows Landfill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05502 First Input Date: 1st January 1982 Last Input Date: 1st June 1989 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0700/0086 BGS Ref: Not Supplied Other Ref: 0700/CLE/081/4</p>	A14NW (NE)	393	2	452094 527698

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	<p>Historical Landfill Sites</p> <p>Licence Holder: Central Electricity Generating Board Location: Tees Road, Hartlepool, Cleveland Name: North East of Hartlepool Power Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD05499 First Input Date: 31st December 1969 Last Input Date: 11th July 1985 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0700/0064 BGS Ref: Not Supplied Other Ref: 0700/CLE/042/2, 0700/CLE/061</p>	A14SE (E)	917	2	452672 527279
171	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Seaton Meadows Licence Number: 0 Location: Tofts Farm Industrial Estate E, Brenda Road, Cleveland, TS25 2BS Licence Holder: Alab Environmental Services Limited Authority: Environment Agency - North East Region, North East Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied Licence Status: Effective Issued: 8th February 2022 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A14NW (NE)	364	2	452062 527693
172	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Seaton Meadows Licence Number: 0 Location: Tofts Farm Industrial Estate E, Brenda Road, Cleveland, TS25 2BS Licence Holder: Alab Environmental Services Limited Authority: Environment Agency - North East Region, North East Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied Licence Status: Effective Issued: 10th November 2014 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A14NW (NE)	364	2	452049 527707
173	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Seaton Meadows Licence Number: 60077 Location: Tofts Farm Industrial Estate E, Brenda Road, Cleveland, TS25 2BS Licence Holder: Alab Environmental Services Limited Authority: Environment Agency - North East Region, North East Area Site Category: Waste Landfilling; >10 T/D with Capacity >25,000T Excluding Inert Waste Max Input Rate: Not Supplied Licence Status: Effective Issued: 10th November 2014 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A14NW (NE)	510	2	452157 527804
174	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Hall Construction Services Ltd Licence Number: 60074 Location: Mayfair Landfill Site, Tees Road, Seaton Carew, County Durham, TS25 2DX Licence Holder: Hall Construction Services Ltd Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Closure Issued: 1st November 1993 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A19SW (NE)	827	2	452366 528047

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 60087 Location: Land/ Premises At, Graythorpe Ind Est, Graythorpe, Hartlepool, Cleveland, TS25 2DF Operator Name: Smith R Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Expired Issued: 1st August 1994 Last Modified: Not Supplied Expires: 31st December 2018 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	6	2	451700 527400
176	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 66128 Location: Unit 12, Graythorp Industrial Est., Hartlepool, Cleveland, TS25 2DF Operator Name: Hindle Ian Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: End of Life Vehicles Licence Status: Modified Issued: 22nd December 2004 Last Modified: 12th December 2019 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SW (W)	60	2	451600 527430
177	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 68673 Location: T E R R C Site, Graythorpe, Hartlepool, Cleveland, TS25 2DB Operator Name: Able U K Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Physical Treatment Facilities Licence Status: Expired Issued: 31st October 1997 Last Modified: 26th June 2008 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	106	2	451700 527300
178	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 100165 Location: 105 Graythorpe Ind Est, Hartlepool, Cleveland, TS25 2DF Operator Name: Youngs Recycling Group Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Revoked Issued: 29th February 2008 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: 1st November 2010 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	227	2	451417 527474

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 100691 Location: Unit 1, Graythorpe Ind Est, Graythorpe, Hartlepool, Cleveland, TS25 2DF Operator Name: Gee Dee Cleansing Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Special Waste Transfer Stations Licence Status: To PPC Issued: 24th February 2010 Last Modified: 10th June 2011 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: DP3636HA Positional Accuracy: Located by supplier to within 10m</p>	A13SW (S)	253	2	451633 527161
180	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 403357 Location: 77 Graythorpe Industrial Estate Road, Hartlepool, Cleveland, TS25 2DF Operator Name: Cuskern Gary Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: HCI Waste Transfer Station Licence Status: Issued Issued: 24th November 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SW (SW)	267	2	451484 527245
181	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 60133 Location: Brenda Road, Hartlepool, Cleveland, TS25 2BJ Operator Name: Alab Environmental Services Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Other Landfill Sites Taking Special Waste Licence Status: To PPC Issued: 10th July 1995 Last Modified: 8th July 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: BV1259IL Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	412	2	451900 527900
181	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 60077 Location: Brenda Road, Hartlepool, Cleveland, TS25 2BJ Operator Name: Alab Environmental Services Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Other Landfill Sites Taking Special Waste Licence Status: To PPC Issued: 23rd March 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: EP3830LE Positional Accuracy: Located by supplier to within 100m</p>	A18SE (NE)	412	2	451900 527900
182	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 66199 Location: Seaton Meadows, Brenda Road, Hartlepool, Cleveland, TS25 2BS Operator Name: Alab Environmental Services Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Physical Treatment Facilities Licence Status: Surrendered Issued: 1st August 2006 Last Modified: 22nd December 2008 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 1st July 2020 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NE)	485	2	452200 527700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 100138 Location: 6-8 Tofts Road West, Tofts Farm Ind Est, Hartlepool, Cleveland, TS25 2BQ Operator Name: Niramax Group Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Modified Issued: 28th January 2008 Last Modified: 24th September 2010 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	649	2	451591 528166
184	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 60078 Location: Tofts Road West, Tofts Farm Ind Est, Hartlepool, Cleveland, TS25 2BQ Operator Name: Veolia E S (U K) Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Physico-chemical Treatment Facilities Licence Status: To PPC Issued: 4th February 1991 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: QP3537SA Positional Accuracy: Located by supplier to within 100m</p>	A18NW (NW)	742	2	451400 528200
185	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 104943 Location: Joe's Skips, Brenda Road, Hartlepool, Cleveland, TS25 2BW Operator Name: Randall Sara Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: HCl Waste Transfer Station Licence Status: Issued Issued: 14th January 2013 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	798	2	451537 528307
186	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 103834 Location: Teesside Recycling Facility, Brenda Road, Hartlepool, Cleveland, TS25 2BE Operator Name: Biffa Waste Services Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 9th April 2013 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	828	2	451866 528345
187	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 66170 Location: T E R R C, Graythorp Dock, Tees Road, Hartlepool, Cleveland, TS25 2DB Operator Name: Able U K Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Physical Treatment Facilities Licence Status: Modified Issued: 25th June 2008 Last Modified: 6th October 2020 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	851	2	452510 527040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Hartlepool Unitary Council - Has supplied landfill data		0	3	451709 527468
188	Local Authority Recorded Landfill Sites Location: Brenda Road Reference: CLE 81/4 Authority: Hartlepool Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A14NW (NE)	540	3	452200 527800
189	Local Authority Recorded Landfill Sites Location: Land To The South Of The Mayfair Centre, Tees Road, Seaton Carew Reference: CLE 197 Authority: Hartlepool Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Inert, Non Flammable, Non Hazardous Industrial, Construction Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A19SW (NE)	861	3	452358 528107
190	Local Authority Recorded Landfill Sites Location: North Of Hartlepool Power Station Reference: CLE 42/2 Authority: Hartlepool Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A15SW (E)	974	3	452733 527292
191	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A13SE (SE)	126	-	451808 527333
192	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SE (SE)	155	-	451822 527307
193	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SE (SE)	170	-	451872 527329
194	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A13SE (SE)	170	-	451865 527322
195	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A13SE (SE)	187	-	451836 527277
196	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A13SE (S)	199	-	451789 527229
197	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1861	A13NE (E)	207	-	451964 527551
198	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A13SE (SE)	209	-	451846 527257
199	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SE (SE)	233	-	451858 527236
200	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1940	A13SE (SE)	255	-	451842 527195
201	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A8NW (S)	298	-	451683 527108

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A8NE (S)	299	-	451722 527107
203	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NE (NE)	308	-	451954 527728
204	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A12NE (W)	374	-	451297 527610
205	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A14NW (NE)	376	-	452048 527726
206	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A12SE (SW)	408	-	451312 527233
207	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A14NW (E)	415	-	452186 527522
208	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A12NE (W)	478	-	451169 527527
209	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A14NW (E)	568	-	452289 527708
210	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A12SE (SW)	630	-	451084 527181
211	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A18NE (N)	677	-	451937 528170
212	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A7NE (SW)	689	-	451352 526810
213	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A17SE (NW)	690	-	451146 527948
214	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A7NE (SW)	701	-	451339 526804
215	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A12SW (W)	716	-	450934 527380
216	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A8SW (S)	745	-	451425 526712
217	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A12SW (W)	792	-	450904 527187
218	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A8SW (SW)	795	-	451374 526679
219	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A17SW (NW)	864	-	450891 527894
220	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A19NW (NE)	886	-	452135 528311
221	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A19NW (NE)	928	-	452199 528324
222	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A17SW (NW)	954	-	450856 528009

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
223	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A17SW (NW)	956	-	450794 527908
224	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NW (N)	962	-	451558 528479
225	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A7SE (SW)	990	-	451053 526655

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	<p>Registered Landfill Sites</p> <p>Licence Holder: Able Uk Ltd Licence Reference: CLE 403/1 Site Location: Seaton Meadows Landfill Site, Brenda Road, Hartlepool, Cleveland Licence Easting: 452050 Licence Northing: 527850 Operator Location: Able House, Billingham Reach Industrial Estate, BILLINGHAM, Cleveland, TS23 1PX</p> <p>Authority: Environment Agency - North East Region, Dales Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site not yet started Dated: 10th July 1995 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste</p> <p>Alkalis Animal And Food Wastes Bottom Ash From Municipal Incinerator Contaminated Land Incl. Contaminated Materials Contaminated Timber Former Gas Works Waste Fuels, Oils, Greases Gulley Emptyings Household & Commercial Waste Industrial Wastes Inert Waste ie Clean Soil,Sand,Clay Inorganic Compounds Interceptor Waste, Tar, Paint Etc Max.Waste Permitted By Licence Metal Oxides Only In Cats C & D Above Metals (Elemental) Miscellaneous Wastes Non-Inert Control'D Waste Listed Below Non-Toxic Metal Compounds Organic Compounds Other Inorganic Materials Polymeric Materials And Precursors Putrescible Waste Similar To H'Hold Wa Stone,Concrete,Bricks,Slate,Glass Street Sweepings Toxic Metal Compounds</p> <p>Prohibited Waste Acid Tars Beryllium Oxide Clinical Wastes Difficult Waste Not Listed Below Dioxins/Furans/Similar Halogenated Cleaning Cmpds Halogenated Cmpds(Not Cleaning Cmpds) Liq/Slurry/Sludges Except Gully Empty Liquified Gas / Gas Under Pressure Organic Cmpds Containing N,S Or P Organic Peroxides Organo-Metallic Cmpds Other Organic Compounds Oxygen Containing Organic Compounds Pcbs/Pcts/Phns/Similar Percussive/Explosive/Similar Waste Phenols, Analogues/Derivatives Prescription Only Medical Products Pyrophoric Mat'ls Sodium/Potassium Special Waste Not Listed Below Tar, Pitch, Bitumen, Asphalts W.React Violently With Water Or Air W.React With Water Giving Prohib.Waste Waste With Flash Pt < 30 C Waste With Ph < 2 Waste With Ph > 12</p>	A19SW (NE)	461	2	452050 527850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	<p>Registered Landfill Sites</p> <p>Licence Holder: Able Uk Ltd Licence Reference: CLE 223/6 Site Location: Stephenson Industrial Estate,, Brenda Road, Hartlepool, Cleveland Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Able House, Billingham Reach Industrial Estate, BILLINGHAM, Cleveland, TS23 1PX</p> <p>Authority: Environment Agency - North East Region, Dales Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site Closed Dated: 23rd March 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Clay,Subsoil,Excav'N Waste Contam.With Construction Ind. Wastes Former Gasworks Waste Ind. Non-Haz. Inert, Non-Flammable Max.Waste Permitted By Licence-Stated Other Similar Contaminated Mat'L</p> <p>Prohibited Waste: Other Poisonous, Noxious And Polluting Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Waste Likely To Pollute Environment Waste With Potential To Harm Human Health</p>	A19SW (NE)	501	2	452139 527812
228	<p>Registered Landfill Sites</p> <p>Licence Holder: Stephenson Civil Engineering Co Licence Reference: CLE 81/4 Site Location: Stephenson Industrial Estate., Brenda Road, Hartlepool, Cleveland Licence Easting: 452300 Licence Northing: 527800 Operator Location: As Site Address Authority: Environment Agency - North East Region, Dales Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence known to be surrenderedSurrendered Dated: 1st February 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Asbestos (Bonded/Slurry/Bagged Fibrous Construction Ind. Wastes Ind. Non-Haz. Inert, Non-Flammable Ind. Non-Haz. Potentially Combustible</p> <p>Prohibited Waste: Waste N.O.S.</p>	A14NW (NE)	622	2	452300 527800
229	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: I & K Hindle t/a Hindles Licence Reference: CLE 331 SY Site Location: Graythorp Industrial Estate., Graythorp, Hartlepool, Cleveland Operator Location: As Site Address Authority: Environment Agency - North East Region, Dales Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence revokedRevoked Dated: 1st August 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Metal</p> <p>Prohibited Waste: Liable To Cause Environmental Hazards Other Poisonous Or Noxious Substances Special Wastes Waste N.O.S.</p>	A13SW (S)	6	2	451700 527400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
230	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: R Smith t/a Smith Vehicle Dismantlers Licence Reference: CLE 346/1 SY Site Location: Graythorp Industrial Estate, Graythorp, Hartlepool, Cleveland Operator Location: As Site Address Authority: Environment Agency - North East Region, Dales Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is known Dated: 1st August 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Metal Prohibited Waste: Liable To Cause Environmental Hazards Other Poisonous Or Noxious Substances Special Wastes Waste N.O.S.</p>	A13SE (SE)	69	2	451800 527400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Shanks & Mc Ewan (Tech.Services) Ltd Licence Reference: CLE 226/2 Site Location: Plot 3 Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ</p> <p>Operator Location: Astor House, Station Road, BOURNE END, Buckinghamshire, SL8 5YP Authority: Environment Agency - North East Region, Dales Area Site Category: Transfer - with treatment Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 19th July 1993 Preceded By: CLE 226 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Aliphatic Acids Alkali Metal Oxides/Hydroxides Aromatic Acids Chromic Acid Contaminated Rubbish/Bags/Sacks Distillation Residues Dyestuffs Waste Empty Used Containers Fats, Waxes And Greases Halogenated Cleaning Cmpds Hydrocarbons (Not Fuels/Oils/Greases) Hydrochloric Acid Hydrofluoric Acid Industrial Effluent Treatment Sludge Interceptor Pit Wastes Ion-Exchange Resin Wastes Laboratory Smalls Latex, Latex/Rubber Sol'Ns/Susp'Ns Max.Storage In Licence Max.Waste Permitted By Licence Nitric Acid Oil/Water Mixtures Other Alkalis Oxidising Compounds Oxygen Containing Organic Compounds Paint Waste Phosphoric Acid Polymeric Material, Products/Scrap Potable Water Trtmnt Sludge Printing Industry Wastes/Ink Prod'Ts Of Incomplete Polymerisation Soaps & Detergents Sulphonic Acids Sulphuric Acid Synthetic Adhesive Wastes Tank Cleaning Sludge Tar, Pitch, Bitumen, Asphalts Used Filter Materials Vegetable And Other Oils Water (Contaminated) Organic Peroxides Other Halogenated Organics Pcb'S And Analogues Waste N.O.S.</p> <p>Prohibited Waste</p>	A18SW (NW)	549	2	451470 528020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Shanks & Mc Ewan (Teeside) Ltd Licence Reference: CLE 226 Site Location: Plot 3 Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Operator Location: The Cottage, Church Road, WOBURN SANDS, Buckinghamshire, MK17 8TA Authority: Environment Agency - North East Region, Dales Area Site Category: Transfer - with treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 4th February 1991 Preceded By: Not Given Licence: Superseded By: CLE 226/2 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Alkali Metal Oxides/Hydroxides \$ Distillation Residues Fats, Waxes And Greases Hydrochloric Acid Industrial Effluent Treatment Sludge Interceptor Pit Wastes Max.Storage Permitted By Licence Max.Treatment Rate Oil/Water Mixtures Other Alkalis Potable Water Treatment Sludge Sulphuric Acid Tank Cleaning Sludge Vegetable And Other Oils Prohibited Waste: Halog Organics Such As Chlorin.Dioxins Organic Peroxides Pcb'S And Analogues Waste Capable Of Burn.Unsupport.< 40 C</p>	A18SW (NW)	549	2	451470 528020
232	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Able Uk Ltd Licence Reference: CLE 411 Site Location: Teeside Environmental Reclam.Centre, Graythorp, Hartlepool, Cleveland Operator Location: Able House, Billingham Reach Industrial Estate, BILLINGHAM, Cleveland, TS23 1PX Authority: Environment Agency - North East Region, Dales Area Site Category: Transfer - with treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site not yet started Dated: 31st October 1997 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Asbestos Batteries Coolants Fuels Max.Waste Permitted By Licence Offshore Stuctures/Assoc.Plant/Equip. Oils Other Chemicals Scrap Metal Prohibited Waste: Poisonous, Noxious And Polluting N.O.S Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Waste N.O.S.</p>	A9NE (SE)	864	2	452500 527000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Exwold Technology Ltd Location: Brenda Road, Hartlepool, Cleveland, TS25 2BW Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	291	6	451845 527792
233	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Exwold Technology Ltd Location: Brenda Road, HARTLEPOOL, Cleveland, TS25 2BW Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	291	6	451845 527792
234	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Able Uk Ltd Location: Terrc, Graythorpe Old Yard, Graythorpe, Hartlepool, Cleveland, TS25 2DS Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A12NE (W)	297	6	451352 527526
235	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Qualitech Environmental Services Limited Location: Hartlepool, Tofts Farm Industrial Estate, West Brenda Road, Hartlepool, Ts25 Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A18SW (N)	383	6	451626 527902
236	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Exwold Technology Limited Location: Hartlepool, Brenda Road South, Hartlepool, Cleveland, Ts25, 2BE Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SE (NE)	420	6	451931 527892
237	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Baker Hughes Limited Location: Techchem Works, Tofts Farm West Industrial Estate, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	680	6	451240 528018
238	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Venator Materials Uk Limited Location: Hartlepool - Greatham Site, Greatham Site, Tees Road, Hartlepool, Cleveland, Ts25 2DD Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A8SW (S)	841	6	451516 526584
238	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Huntsman Pigments And Additives Uk Limited Location: Greatham Works, Tees Road, Hartlepool, Cleveland, TS25 2DD Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	842	6	451516 526584
239	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: Navigator Terminals North Tees Limited Location: North Tees Site, Seaton Road, Port Clarence, HARTLEPOOL, Cleveland, TS25 1TT Reference: Not Supplied Type: Upper Tier Status: Active Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	938	6	450900 526900
240	<p>Notification of Installations Handling Hazardous Substances (NIHHS)</p> <p>Name: Mariner Gas Location: Units 5 - 10, Graythorp Industrial Estate, Graythorp, HARTLEPOOL, Cleveland, TS25 2DF Status: Not Active Positional Accuracy: Automatically positioned within the geographical locality</p>	A12NE (W)	291	6	451358 527521

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<p>Notification of Installations Handling Hazardous Substances (NIHHS)</p> <p>Name: Tioxide UK Limited Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Status: Not Active Positional Accuracy: Automatically positioned in the proximity of the address</p>	A7SE (S)	934	6	451370 526531
242	<p>Notification of Installations Handling Hazardous Substances (NIHHS)</p> <p>Name: Phillips Petroleum Company (UK) Limited Location: Greatham Tank Farm, Seaton Carew Road, Greatham Near, HARTLEPOOL, Cleveland, TS25 Status: Not Active Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	941	6	450900 526895
243	<p>Planning Hazardous Substance Consents</p> <p>Name: Exwold Technology Ltd Location: Brenda Road, Hartlepool, TS25 2BS Authority: Hartlepool Borough Council Application Ref: H/2005/5138 Hazardous: Dangerous for the environment (very toxic to aquatic organisms) Substance: Maximum Quantity: 700 Application date: 5th April 2005 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A13NE (NE)	291	7	451844 527792
244	<p>Planning Hazardous Substance Consents</p> <p>Name: Able Uk Location: Terrc Facility, Tees Road, Hartlepool, Ts25 2db Authority: Hartlepool Borough Council Application Ref: H/2005/5878 Hazardous: Combination of Dangerous Substances Substance: Maximum Quantity: 12813.5 Application date: 17th October 2005 Decision: New application refused Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	597	7	452264 527127
245	<p>Planning Hazardous Substance Consents</p> <p>Name: Tekchem Location: Brenda Road, Hartlepool Authority: Hartlepool Borough Council Application Ref: PAG/SD/H/HSC/0554/92 Hazardous: Combination of Dangerous Substances Substance: Maximum Quantity: 0 Application date: 19th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	629	7	451657 528156
246	<p>Planning Hazardous Substance Consents</p> <p>Name: Baker Petrolite Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Ts25 2bq Authority: Hartlepool Borough Council Application Ref: H/2007/0854 Hazardous: Toxic Substance: Maximum Quantity: 40 Application date: 29th January 2008 Decision: New application granted conditionally Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	667	7	451247 528007
246	<p>Planning Hazardous Substance Consents</p> <p>Name: Baker Petrolite Location: Tofts Farm Industrial Estate, Brenda Road, Hartlepool, Cleveland, Ts25 2bq Authority: Hartlepool Borough Council Application Ref: H/HSC/0707/02 Hazardous: Unknown at time of report Substance: Maximum Quantity: 72 Application date: 14th November 2002 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	667	7	451247 528007
246	<p>Planning Hazardous Substance Consents</p> <p>Name: Baker Pertolite Location: Tofts Farm West , Brenda Road, Hartlepool, Ts25 2bq Authority: Hartlepool Borough Council Application Ref: RW/CP/H/HSC/0391/99 Hazardous: Unknown at time of report Substance: Maximum Quantity: 122 Application date: 3rd August 1999 Decision: New application granted conditionally Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	667	7	451247 528007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
246	<p>Planning Hazardous Substance Consents</p> <p>Name: Baker Petrolite Location: Tofts Farm Industrial Estate, Brenda Road, Hartlepool, Cleveland, Ts25 2bq Authority: Hartlepool Borough Council Application Ref: H/HSC/0343/03 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 25 Application date: 21st October 1992 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	667	7	451247 528007
247	<p>Planning Hazardous Substance Consents</p> <p>Name: Eastman Chemical Ectona Ltd Location: Brenda Road, Hartlepool, Ts25 2be Authority: Hartlepool Borough Council Application Ref: PAG/AMH/H/HDC/0541/92 Hazardous Substance: Flammable (flammable liquids with flash point >=21C and <=55C supporting combustion) Maximum Quantity: 0 Application date: 13th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NE (N)	724	7	451714 528254
248	<p>Planning Hazardous Substance Consents</p> <p>Name: Baker Petrolite Location: Tofts Farm West, Brenda Road, Hartlepool, Ts25 Authority: Hartlepool Borough Council Application Ref: H/2006/0334 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 2745 Application date: 15th May 2003 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	781	7	451183 528101
249	<p>Planning Hazardous Substance Consents</p> <p>Name: Able UK Location: Able UK Terrc Facility, Tees Road, Graythorp, Hartlepool, Ts25 2d Authority: Hartlepool Borough Council Application Ref: H/2007/0542 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 12803.5 Application date: Not Supplied Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	783	7	452319 526906
250	<p>Planning Hazardous Substance Consents</p> <p>Name: Huntsman Tioxide Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Hartlepool Borough Council Application Ref: H/Hsc/0522/96/2 Hazardous Substance: Part A, Toxic Substance, Chlorine, where amount held is greater than or equal to 10 tonnes Maximum Quantity: 440 Application date: 6th November 1996 Decision: Decision to remove or modify condition(s) Under Review Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	846	7	451517 526579
250	<p>Planning Hazardous Substance Consents</p> <p>Name: Huntsman Tioxide Location: Tees Road, Hartlepool, Ts25 2dd Authority: Hartlepool Borough Council Application Ref: H/2014/0016 Hazardous Substance: Part A, Toxic Substance, Ammonia (anhydrous or as solution containing > 50% by weight of ammonia), where amount held is greater than or equal to 100t Maximum Quantity: 6 Application date: 7th January 2014 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location</p>	A8SW (S)	864	7	451505 526563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	<p>Planning Hazardous Substance Consents</p> <p>Name: Huntsman Tioxide Europe Ltd Location: Greatham Works, Tees Road, Hartlepool, Cleveland, Ts25 2dd Authority: Hartlepool Borough Council Application Ref: H/Hsc/0601/01 Hazardous Substance: Part A, Toxic Substance, Ammonia (anhydrous or as solution containing > 50% by weight of ammonia), where amount held is greater than or equal to 100t Maximum Quantity: 1 Application date: 16th November 2001 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	869	7	451554 526548
250	<p>Planning Hazardous Substance Consents</p> <p>Name: Huntsman Tioxide Location: Greatham Works, Tees Road, Hartlepool Authority: Hartlepool Borough Council Application Ref: RW/JT/H/HSC/0555/99 Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 2nd November 1999 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	869	7	451554 526548
250	<p>Planning Hazardous Substance Consents</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, HARTLEPOOL, Cleveland, TS25 2DD Authority: Hartlepool Borough Council Application Ref: PAG/MT/H/HSC/0485/92 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 100 Application date: 6th November 1996 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	869	7	451554 526548
250	<p>Planning Hazardous Substance Consents</p> <p>Name: Tioxide Europe Ltd Location: Greatham Works, Tees Road, Hartlepool, Cleveland, Ts25 2dd Authority: Hartlepool Borough Council Application Ref: H/HSC/0486/92 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 0 Application date: 17th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	869	7	451554 526548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NW (SW)	0	1	451709 527468
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (SW)	0	1	451709 527468
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	179	1	451916 527581
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (SW)	451	1	451500 527000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	470	1	451709 528000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (S)	512	1	451500 526933
251	BGS Recorded Mineral Sites Site Name: Seaton Meadows Landfill Site Location: Hartlepool, Co. Durham Source: British Geological Survey, National Geoscience Information Service Reference: 2192 Type: Opencast Status: Ceased Operator: Able Uk Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Boulder Clay Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	464	1	452100 527800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	227	1	451908 527280
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	147	1	451836 527329
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	227	1	451908 527280
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	228	1	451954 527328
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	246	1	452010 527398
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	163	1	451903 527368
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	227	1	451908 527280
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	246	1	452010 527398
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	227	1	451908 527280
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (SW)	0	1	451709 527468

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	<p>Contemporary Trade Directory Entries</p> <p>Name: A M I Exchangers Ltd Location: Apex Workshops, Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Marine Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (S)	37	-	451740 527392
252	<p>Contemporary Trade Directory Entries</p> <p>Name: Graythorp Forge & Engineering Ltd Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DP Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (S)	37	-	451740 527392
253	<p>Contemporary Trade Directory Entries</p> <p>Name: Mistras Group Ltd Location: Graythorp Industrial Estate, HARTLEPOOL, Cleveland, TS25 2DF Classification: Engineering Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	52	-	451608 527433
254	<p>Contemporary Trade Directory Entries</p> <p>Name: Billingham Light Transport Location: Unit E,87-88 Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (S)	65	-	451678 527344
254	<p>Contemporary Trade Directory Entries</p> <p>Name: I J Hindle & Son Location: Unit 12 Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (S)	69	-	451666 527344
254	<p>Contemporary Trade Directory Entries</p> <p>Name: Hindle'S 24-7 Ltd Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Car Breakers & Dismantlers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	70	-	451684 527337
254	<p>Contemporary Trade Directory Entries</p> <p>Name: Franky Hindles Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SW (S)	70	-	451684 527337
254	<p>Contemporary Trade Directory Entries</p> <p>Name: Waste Placement Services Location: Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DF Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (S)	82	-	451664 527331
254	<p>Contemporary Trade Directory Entries</p> <p>Name: R J B Coatings Location: Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DF Classification: Paint & Varnish Stripping Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (S)	84	-	451662 527330
255	<p>Contemporary Trade Directory Entries</p> <p>Name: Pulse Automation Location: Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DS Classification: Automation Systems & Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (S)	83	-	451656 527334
255	<p>Contemporary Trade Directory Entries</p> <p>Name: F W S Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Waste Disposal Services Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A13SW (SW)	98	-	451620 527346

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	Contemporary Trade Directory Entries Name: J B Arkley & Son Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	99	-	451614 527352
255	Contemporary Trade Directory Entries Name: Power Electrics Location: Graythorp Industrial Estate, Hartlepool, TS25 2DF Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	131	-	451567 527359
256	Contemporary Trade Directory Entries Name: Billingham Light Transport Location: Unit 12b, Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	171	-	451658 527239
257	Contemporary Trade Directory Entries Name: Two Way Pallets Fence & Sheds Location: 110, Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13NW (W)	228	-	451416 527472
258	Contemporary Trade Directory Entries Name: Powerjet Ltd Location: 108 Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DF Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (S)	233	-	451624 527184
259	Contemporary Trade Directory Entries Name: Blasting Painting Powder Coating & Chroming Services Location: 79, Graythorp Industrial Estate Road, Hartlepool, TS25 2DF Classification: Blast Cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	451485 527283
260	Contemporary Trade Directory Entries Name: Teesside Waste Management & Skip Hire Location: Site, 77, Graythorp Industrial Estate Road, Hartlepool, TS25 2DF Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	249	-	451525 527226
261	Contemporary Trade Directory Entries Name: Exwold Technology Ltd Location: Brenda Road, Hartlepool, Cleveland, TS25 2BW Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	291	-	451845 527792
261	Contemporary Trade Directory Entries Name: Exwold Technology Ltd Location: Brenda Road, Hartlepool, Cleveland, TS25 2BW Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	291	-	451845 527792
262	Contemporary Trade Directory Entries Name: E & F Composites Ltd Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Glass Fibre Moulding, Materials & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	296	-	451353 527526
262	Contemporary Trade Directory Entries Name: Cleveland Fuel Tanks Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Tank Cleaning & Repairing Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	296	-	451353 527526
262	Contemporary Trade Directory Entries Name: R Smith Location: Graythorp Farm, Graythorp, Hartlepool, Cleveland, TS25 2DS Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	296	-	451353 527526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
262	<p>Contemporary Trade Directory Entries</p> <p>Name: D & P Car Resprays Location: Graythorp Industrial Estate, Hartlepool, Cleveland, TS25 2DF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NE (W)	296	-	451353 527526
262	<p>Contemporary Trade Directory Entries</p> <p>Name: Strakor Rotary Location: Strakor Rotary, Graythorp Ind Est, Hartlepool, Cleveland, TS25 2DF Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A12NE (W)	296	-	451353 527526
263	<p>Contemporary Trade Directory Entries</p> <p>Name: Overcoat Finishing Ltd Location: Tees Bay Business Park, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BU Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	368	-	451557 527860
264	<p>Contemporary Trade Directory Entries</p> <p>Name: Thermal Hire Ltd Location: Unit J, Tees Bay Business Park, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BU Classification: Heat Treatment - Metals Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	379	-	451707 527909
264	<p>Contemporary Trade Directory Entries</p> <p>Name: Wilton Engineering Services Ltd Location: Tees Bay Business Park, Brenda Road, Hartlepool, Cleveland, TS25 2BU Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	379	-	451707 527909
264	<p>Contemporary Trade Directory Entries</p> <p>Name: Dunelm Utilities Location: Tees Bay Business Park, Brenda Road, Hartlepool, Cleveland, TS25 2BU Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A18SE (N)	398	-	451726 527928
265	<p>Contemporary Trade Directory Entries</p> <p>Name: Niramax Group Location: Tofts Farm Ind Est West, Brenda Rd, Hartlepool, Cleveland, TS25 2BQ Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A18SW (NW)	559	-	451446 528018
265	<p>Contemporary Trade Directory Entries</p> <p>Name: Veolia Environmental Services Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	599	-	451445 528063
266	<p>Contemporary Trade Directory Entries</p> <p>Name: Breedon Aggregates Location: Tofts Farm Industrial Estate West, Brenda Road, HARTLEPOOL, Cleveland, TS25 2BQ Classification: Sand, Gravel & Other Aggregates Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	572	-	451418 528016
266	<p>Contemporary Trade Directory Entries</p> <p>Name: Factorycover Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Cladding Suppliers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SW (NW)	584	-	451375 528002
267	<p>Contemporary Trade Directory Entries</p> <p>Name: Actavo Location: Brenda Road, Hartlepool, TS25 2BT Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	595	-	451750 528124

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
267	<p>Contemporary Trade Directory Entries</p> <p>Name: Deborah Services Ltd Location: Brenda Road, Hartlepool, Cleveland, TS25 2BT Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	599	-	451748 528128
267	<p>Contemporary Trade Directory Entries</p> <p>Name: Tarmac Northern Ltd Location: Tofts Farm Ind Est West, Brenda Rd, Hartlepool, Cleveland, TS25 2BQ Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NE (N)	625	-	451761 528154
268	<p>Contemporary Trade Directory Entries</p> <p>Name: Breedon Aggregates Location: Tofts Farm Industrial Estate, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A18SW (N)	603	-	451539 528106
268	<p>Contemporary Trade Directory Entries</p> <p>Name: P D Logistics Ltd Location: Tofts Farm Ind Est West Brenda rd, Hartlepool, Cleveland, TS25 2BQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A18SW (N)	606	-	451504 528097
269	<p>Contemporary Trade Directory Entries</p> <p>Name: Niramax Rubber Products Ltd Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Tyre Disposal Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	610	-	451637 528135
270	<p>Contemporary Trade Directory Entries</p> <p>Name: Evans Halshaw Hartlepool Location: Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A18NW (N)	629	-	451657 528156
270	<p>Contemporary Trade Directory Entries</p> <p>Name: Breedon Group Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Concrete Contractors Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A18NW (N)	629	-	451657 528156
270	<p>Contemporary Trade Directory Entries</p> <p>Name: Lionweld Kennedy Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Corrosion Prevention & Control Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	629	-	451657 528156
270	<p>Contemporary Trade Directory Entries</p> <p>Name: Northdale Rotary Engineering Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	655	-	451695 528185
271	<p>Contemporary Trade Directory Entries</p> <p>Name: Baker Hughes Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, Cleveland, TS25 2BQ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	667	-	451247 528007
272	<p>Contemporary Trade Directory Entries</p> <p>Name: Eastapet Ltd Location: Hunter House Industrial Estate, Hartlepool, Cleveland, TS25 2BE Classification: Plastics - Raw Materials Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	722	-	451768 528250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
273	<p>Contemporary Trade Directory Entries</p> <p>Name: S W S Location: Tofts Farm Ind Est West, Brenda Rd, Hartlepool, Cleveland, TS25 2BQ Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	781	-	451662 528309
274	<p>Contemporary Trade Directory Entries</p> <p>Name: Brenda Road Autos Location: Frederick House, Brenda Road, Hartlepool, Cleveland, TS25 2BW Classification: Scrap Yards Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	796	-	451538 528306
274	<p>Contemporary Trade Directory Entries</p> <p>Name: Energy Direct Ltd Location: Frederick House, Brenda Road, Hartlepool, Cleveland, TS25 2BW Classification: Energy Efficient Products and Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	796	-	451538 528306
275	<p>Contemporary Trade Directory Entries</p> <p>Name: Venator Materials UK Ltd Location: Greatham Works, Tees Road, Hartlepool, Cleveland, TS25 2DD Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	842	-	451516 526584
276	<p>Contemporary Trade Directory Entries</p> <p>Name: Veolia Environmental Services Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, TS25 2BQ Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	855	-	451663 528383
276	<p>Contemporary Trade Directory Entries</p> <p>Name: Minco Sampling Techniques UK Ltd Location: Tofts Farm Industrial Estate East, Brenda Road, Hartlepool, Cleveland, TS25 2BS Classification: Temperature Monitoring Systems Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	900	-	451670 528429
276	<p>Contemporary Trade Directory Entries</p> <p>Name: Bellwood Rewinds Ltd Location: Unit 3a-3b, Tofts Farm Industrial Estate East, Brenda Road, Hartlepool, TS25 2BS Classification: Electricity Generating & Distributing Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	932	-	451638 528459
277	<p>Contemporary Trade Directory Entries</p> <p>Name: E D F Energy Location: Hartlepool Power Station, Tees Road, Hartlepool, Cleveland, TS25 2BZ Classification: Electricity Companies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	916	-	452661 527239
278	<p>Contemporary Trade Directory Entries</p> <p>Name: Hartlepool Marine Supplies Location: Unit 3d, Tofts Farm Industrial Estate East, Brenda Road, Hartlepool, TS25 2BS Classification: Marine Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A23SW (N)	971	-	451615 528495
279	<p>Contemporary Trade Directory Entries</p> <p>Name: Camion Engineering Location: Hunter House Industrial Estate, Hartlepool, Cleveland, TS25 2BE Classification: Commercial Vehicle Bodybuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	997	-	452162 528423
280	<p>Points of Interest - Commercial Services</p> <p>Name: Graythorp Forge & Engineering Ltd Location: Graythorp Industrial Estate, Hartlepool, TS25 2DP Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location</p>	A13SE (S)	37	8	451740 527392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
280	<p>Points of Interest - Commercial Services</p> <p>Name: Hindle's 24-7 Ltd Location: 12 Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location</p>	A13SW (S)	70	8	451684 527337
281	<p>Points of Interest - Commercial Services</p> <p>Name: Ash Environmental Services Location: 108 Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location</p>	A13SW (W)	52	8	451608 527433
281	<p>Points of Interest - Commercial Services</p> <p>Name: D & P Car Resprays Location: Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A13SW (SW)	69	8	451643 527364
281	<p>Points of Interest - Commercial Services</p> <p>Name: J B Arkley & Son Location: Unit 107, Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A13SW (SW)	99	8	451614 527352
282	<p>Points of Interest - Commercial Services</p> <p>Name: Billingham Light Transport Ltd Location: Unit 12b, Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	A13SW (S)	171	8	451658 527239
282	<p>Points of Interest - Commercial Services</p> <p>Name: Waste Placement Services Location: Gee Dee, Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location</p>	A13SW (S)	247	8	451636 527167
283	<p>Points of Interest - Commercial Services</p> <p>Name: J B Arkley & Son Location: Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A12NE (W)	296	8	451353 527526
283	<p>Points of Interest - Commercial Services</p> <p>Name: D & P Car Resprays Location: Graythorp Industrial Estate, Hartlepool, TS25 2DF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A12NE (W)	296	8	451353 527526
284	<p>Points of Interest - Commercial Services</p> <p>Name: Niramax Rubber Products Ltd Location: Niramax Tofts Farm Industrial Estate Road West, Brenda Road, Hartlepool, TS25 2BQ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location</p>	A18SW (N)	609	8	451637 528134
285	<p>Points of Interest - Commercial Services</p> <p>Name: Bellwood Rewinds Ltd Location: Unit 3a-3b Tofts Farm Industrial Estate East, Brenda Road, Hartlepool, TS25 2BS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A18NW (N)	932	8	451638 528459
286	<p>Points of Interest - Commercial Services</p> <p>Name: Pool Resprays Ltd Location: Hunter House Industrial Estate, Hartlepool, TS25 2BE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location</p>	A19NW (NE)	997	8	452162 528423

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
287	Points of Interest - Manufacturing and Production Name: Graythorp Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	58	8	451692 527348
287	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	97	8	451713 527310
288	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	242	8	451791 527761
289	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A8NE (S)	311	8	451819 527119
289	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	311	8	451839 527129
289	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	335	8	451823 527095
289	Points of Interest - Manufacturing and Production Name: Works Location: TS25 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	344	8	451839 527092
289	Points of Interest - Manufacturing and Production Name: Works Location: TS25 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	345	8	451839 527091
290	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	447	8	451316 527167
290	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	520	8	451241 527143
291	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	486	8	451648 528011
291	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (N)	565	8	451658 528092

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	565	8	451658 528092
292	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	489	8	451476 527955
293	Points of Interest - Manufacturing and Production Name: Stephenson Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	499	8	451954 527970
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	525	8	451480 527998
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	526	8	451483 528000
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	527	8	451487 528003
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	531	8	451485 528007
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	531	8	451479 528004
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	536	8	451477 528008
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	537	8	451482 528012
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	541	8	451474 528013
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	565	8	451461 528033

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	566	8	451466 528037
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	570	8	451459 528037
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	570	8	451464 528040
294	Points of Interest - Manufacturing and Production Name: Tofts Farm West Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	574	8	451447 528036
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	576	8	451456 528043
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	576	8	451461 528045
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	581	8	451454 528047
294	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	581	8	451471 528056
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	582	8	451437 528039
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	582	8	451458 528050
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	583	8	451464 528054
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	584	8	451464 528056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	584	8	451417 528030
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (NW)	586	8	451435 528043
294	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	603	8	451410 528048
295	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	534	8	451142 527290
295	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	613	8	451069 527259
296	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	608	8	452228 527873
297	Points of Interest - Manufacturing and Production Name: Works Location: TS25 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A14SW (SE)	615	8	452295 527141
297	Points of Interest - Manufacturing and Production Name: Factory Location: TS25 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	651	8	452336 527140
297	Points of Interest - Manufacturing and Production Name: Works (Disused) Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	653	8	452337 527136
298	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	689	8	451131 527010
298	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	714	8	451130 526973
299	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	694	8	450964 527332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
299	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	756	8	450894 527378
300	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	724	8	451235 528070
300	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17SE (NW)	731	8	451236 528079
300	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A17SE (NW)	732	8	451229 528075
300	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	738	8	451226 528081
300	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	743	8	451182 528053
300	Points of Interest - Manufacturing and Production Name: Works Location: TS25 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A17SE (NW)	761	8	451181 528074
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	735	8	451978 528218
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (NE)	780	8	452031 528244
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NE (N)	792	8	451993 528273
301	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	796	8	451987 528279
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NE (N)	798	8	452000 528277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NE (N)	829	8	451962 528322
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	839	8	451980 528327
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NE (N)	847	8	452009 528326
301	Points of Interest - Manufacturing and Production Name: Tanks Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	851	8	451988 528337
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NE (N)	855	8	452003 528336
301	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18NE (N)	862	8	451996 528346
302	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	739	8	451145 526915
303	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	782	8	450958 527096
303	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	816	8	450957 527031
304	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	820	8	451159 528132
305	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	846	8	451839 528367
306	Points of Interest - Manufacturing and Production Name: Tofts Farm East Industrial Estate Location: TS25 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	858	8	451670 528387

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
307	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	865	8	451502 526563
307	Points of Interest - Manufacturing and Production Name: Works Location: TS25 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8SW (S)	878	8	451499 526550
308	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	865	8	451076 526805
308	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	931	8	451010 526778
309	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	897	8	450785 527213
309	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	918	8	450786 527146
310	Points of Interest - Manufacturing and Production Name: Dean Group Business Park - Hartlepool - Anaerobic Digestion (BEIS) Location: Dean Group Business Park, Brenda Road, Frederick House, Hartlepool, Cleveland, TS25 2BW Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A17NE (N)	911	8	451345 528361
311	Points of Interest - Manufacturing and Production Name: Works (Disused) Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	929	8	452477 526860
312	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	969	8	451442 528459
313	Points of Interest - Manufacturing and Production Name: Tank Location: TS25 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	990	8	450883 526839
314	Points of Interest - Public Infrastructure Name: Sewage Works Location: TS25 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	204	8	451905 527627
315	Points of Interest - Public Infrastructure Name: Teesside Waste Management & Skip Hire Location: Site 77, Graythorp Industrial Estate Road, Hartlepool, TS25 2DF Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13SW (SW)	249	8	451525 527226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
316	Points of Interest - Public Infrastructure Name: Sewage Works Location: TS25 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A8NE (S)	319	8	451822 527112
316	Points of Interest - Public Infrastructure Name: Sewage Works Location: TS25 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	343	8	451839 527093
317	Points of Interest - Public Infrastructure Name: Refuse Tip Location: TS25 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	456	8	452153 527722
318	Points of Interest - Public Infrastructure Name: Refuse Tip Location: TS25 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	532	8	451986 527990
319	Points of Interest - Public Infrastructure Name: Recycling Business Location: TS25 Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	552	8	451449 528012
319	Points of Interest - Public Infrastructure Name: Veolia Environmental Services Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, TS25 2BQ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18SW (NW)	599	8	451445 528063
320	Points of Interest - Public Infrastructure Name: Niramax Location: Tofts Farm Industrial Estate West, Brenda Road, Hartlepool, TS25 2BQ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18SW (N)	610	8	451637 528135
321	Points of Interest - Public Infrastructure Name: Seaton Meadows Landfill Location: TS25 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	614	8	452149 527967
322	Points of Interest - Public Infrastructure Name: Filter Beds Location: TS2 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	706	8	451680 526700
322	Points of Interest - Public Infrastructure Name: Filter Beds Location: TS2 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	706	8	451686 526700
323	Points of Interest - Public Infrastructure Name: Waste Processing Facility Location: TS25 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	906	8	452016 528386
324	Points of Interest - Public Infrastructure Name: Refuse Tip Location: TS25 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	955	8	452383 528215

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
325	<p>Points of Interest - Public Infrastructure</p> <p>Name: Seaton Snook Junction Location: TS25 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location</p>	A17NE (N)	987	8	451342 528442

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
326	Local Nature Reserves Name: Seaton Dunes And Common SSSI Multiple Area: N Area (m2): 963472.73 Source: Natural England Designation Date: 1st February 1998	A19SE (NE)	814	9	452483 527868
327	National Nature Reserves Name: Teesmouth Multiple Areas: Y Total Area (m2): 3595671.96 Source: Natural England Reference: 1006937 Designation Date: Not Supplied	A19SE (NE)	832	9	452523 527830
328	Ramsar Sites Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 12537569.88 Source: Natural England Reference: UK11068 Designation Date: Not Supplied	A19SE (NE)	814	9	452483 527868
329	Sites of Special Scientific Interest Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 29643726.67 Source: Natural England Reference: 2000856 Designation Details: Site Of Special Scientific Interest Designation Date: 31st July 2018 Date Type: Notified	A19SE (NE)	814	9	452483 527868
330	Special Protection Areas Name: Teesmouth And Cleveland Coast Multiple Areas: Y Total Area (m2): 122106165.64 Source: Natural England Reference: UK9006061 Designation Date: Not Supplied	A19SE (NE)	814	9	452483 527868

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Hartlepool Borough Council - Neighbourhood Services Department Environment Agency - Head Office Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Public Protection and Planning Redcar and Cleveland Borough Council - Development Department	April 2013 June 2020 October 2017 September 2017 September 2017	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	April 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	
Integrated Pollution Controls Environment Agency - North East Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North East Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Environmental Health Department	April 2015 December 2014 June 2014 June 2015	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Environmental Health Department	April 2015 December 2014 June 2014 June 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Hartlepool Borough Council - Environmental Health Department Redcar and Cleveland Borough Council - Environmental Health Department Stockton-on-Tees Borough Council - Environmental Health Department Middlesbrough Council - Environmental Health Department	April 2015 December 2014 June 2014 June 2015	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	April 2023	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	
Registered Radioactive Substances Environment Agency - North East Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	April 2023 April 2023	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	April 2023	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2017	

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified









Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	March 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	January 2023 January 2023	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	January 2023 January 2023	Quarterly Quarterly
Local Authority Landfill Coverage Hartlepool Borough Council - Environmental Health Department Middlesbrough Council Redcar and Cleveland Borough Council Stockton-on-Tees Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Hartlepool Borough Council - Environmental Health Department Middlesbrough Council Redcar and Cleveland Borough Council Stockton-on-Tees Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Dales Area Environment Agency - North East Region - North East Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Redcar and Cleveland Borough Council - Planning Department Hartlepool Borough Council Middlesbrough Council Stockton-on-Tees Borough Council	April 2016 January 2016 January 2016 October 2015	Variable Variable Variable Variable
Planning Hazardous Substance Consents Redcar and Cleveland Borough Council - Planning Department Hartlepool Borough Council Middlesbrough Council Stockton-on-Tees Borough Council	April 2016 January 2016 January 2016 October 2015	Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2023	Quarterly
Points of Interest - Education and Health PointX	June 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2023	Quarterly
Points of Interest - Public Infrastructure PointX	June 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt Hartlepool Borough Council Middlesbrough Council Redcar and Cleveland Borough Council Stockton-on-Tees Borough Council	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Hartlepool Borough Council Middlesbrough Council Redcar and Cleveland Borough Council Stockton-on-Tees Borough Council	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	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	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Hartlepool Borough Council - Environmental Health Department Civic Centre, Hartlepool, Cleveland, TS24 8AY	Telephone: 01429 266522 Fax: 01429 523308 Website: www.hartlepool.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	Hartlepool Borough Council Brian Hanson House, Hanson Square, Hartlepool, Cleveland, TS24 7BT	Telephone: 01429 266522 Fax: 01429 523005 Website: www.hartlepool.gov.uk
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

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
- Minor Roads
- 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)
- County Burgh Boundary (Scotland)
- Rural District Boundary
- Civil Parish Boundary

Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- 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
- Ch** Church
- CH** Club House
- F E Sta** Fire Engine Station
- FB** Foot Bridge
- Fn** Fountain
- GP** Guide Post
- MP** Mile Post
- MS** Mile Stone
- Pol Sta** Police Station
- PO** Post Office
- PC** Public Convenience
- PH** Public House
- SB** Signal Box
- Spr** Spring
- TCB** Telephone Call Box
- TCP** Telephone Call Post
- W** Well

1:10,000 Raster Mapping

- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- General detail
- Overhead detail
- Multi-track railway
- Single track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Civil, parish or community boundary
- Constituency boundary
- Area of wooded vegetation
- Non-coniferous trees
- Coniferous trees
- 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)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Important Building
- Triangulation station
- Pylon, flare stack or lighting tower
- Glasshouse

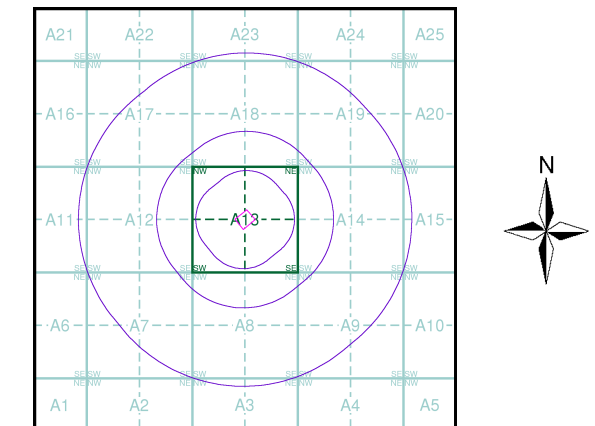
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1857	3
Durham	1:10,560	1861	4
Yorkshire	1:10,560	1895	5
Durham	1:10,560	1898	6
Yorkshire	1:10,560	1920	7
Durham	1:10,560	1923	8
Durham	1:10,560	1938 - 1951	9
Durham	1:10,560	1951 - 1952	10
Ordnance Survey Plan	1:10,000	1954	11
Middlesbrough	1:10,000	1975	12
Hartlepool	1:10,000	1978	13
Ordnance Survey Plan	1:10,000	1981	14
Middlesbrough	1:25,000	1991	15
Ordnance Survey Plan	1:10,000	1995	16
10K Raster Mapping	1:10,000	2000	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2023	19

Historical Map - Slice A



Order Details

Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

Landmark
 INFORMATION GROUP

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

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Railroad and Station Building		Small Bridge
	Pipe (Culvert)		Tunnel
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

243,8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0,2 Velocity of the current, width of river bed, depth of river
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling, Fireproof		Ruins of an Individual Dwelling
	Factory or Mill Chimney		Factory or Mill with Chimney
	Factory or Mill without Chimney		Mine or Open Pit Mine
	Operating Shaft or Mine		Non-Operating Shaft or Mine
	Salt Mine		Tailings Pile
	Pit		Stone Quarry
	Gas Pump or Service Station		Fuel Storage or Natural Gas Tank
	Oil or Natural Gas Derrick		Small Hydroelectric Power Station
	Power Station		Transformer Station
	Cemetery		Burial Mound (height in metres)
	Triangulation Point on Burial Mound		Triangulation Point
	Bench Mark		Telegraph Office
	Telephone Station		Radio Station
	Radio Tower		Airfield or Seaplane Base
	Landing Strip		Cut
	Fill		Km Post
	Plantings		Width of Road
	Steep Grade		Highway under Construction
	Improved Dirt Road (former truck road)		Small Bridge
	Pipe (Culvert)		Tunnel
	Dismantled Railroad		Double-track Railroad with First Class Station
	Railroad Under Construction		Shore Embankment
	River or Ditch with Embankment		Water Gauge
	Direction and velocity of current		Water Level Mark
	Well		Water Reservoir or Rain Water Pit
	Spring		Isobath with value
	Heavy (Index) Contour Line		Contour Line and Value
	Half Contour Line		Spot Elevation Value
	Coniferous		Deciduous
	Mixed		Scrub

Key to Numbers on Mapping

NZ52NW_Hartlepool

No.	Description
4	Industrial Buildings (Use Unknown)

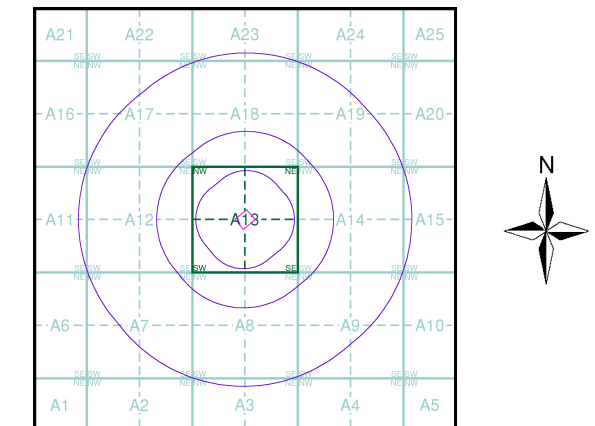
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10K Raster Mapping	1:10,000	2000	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2023	19

Russian Map - Slice A



Order Details

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Site Details

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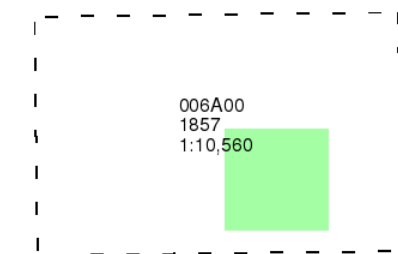
Yorkshire

Published 1857

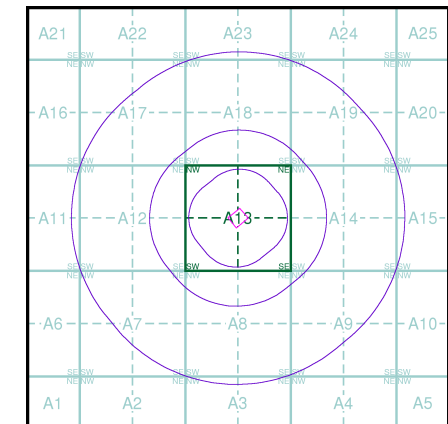
Source map scale - 1:10,560

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

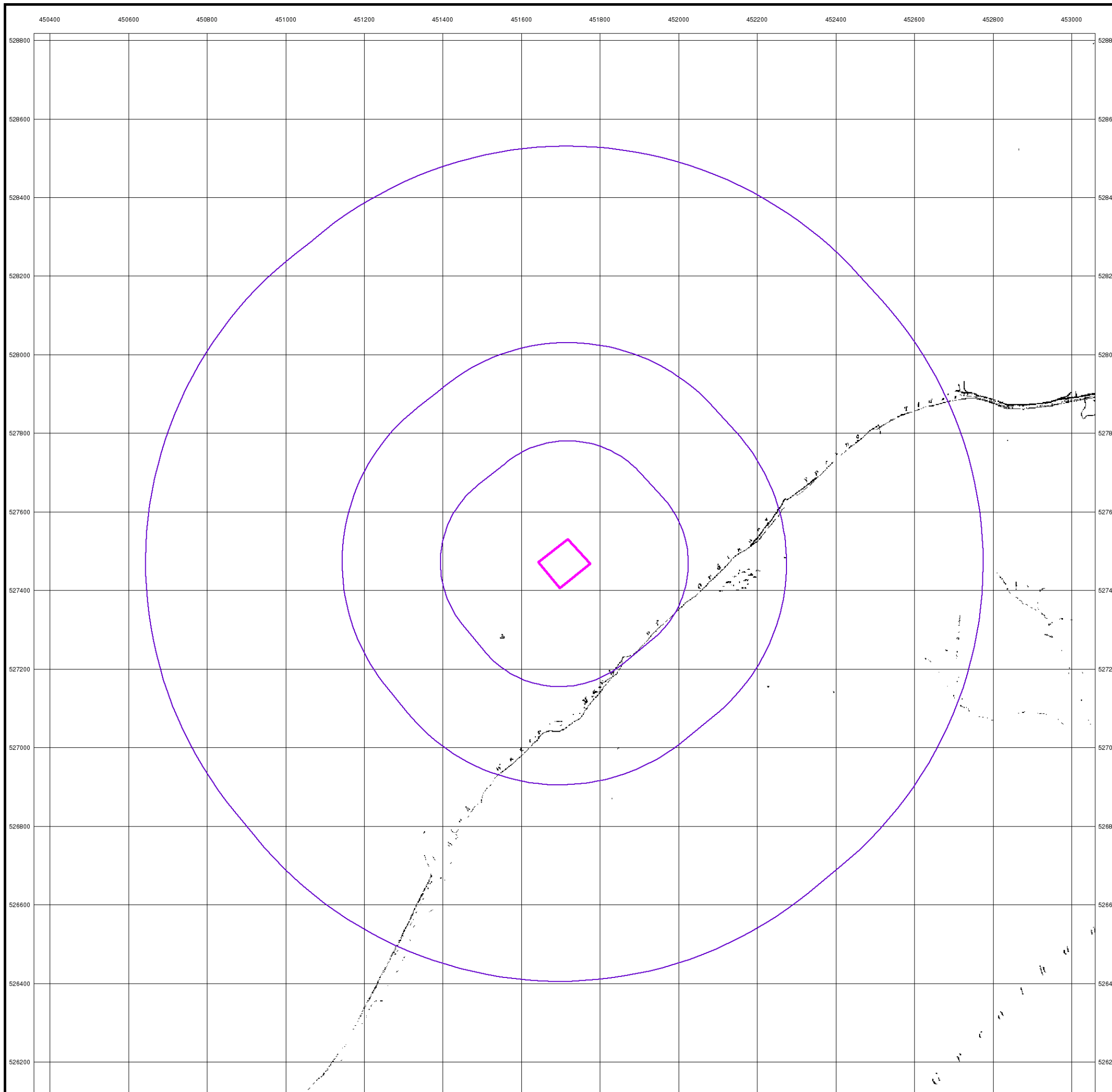


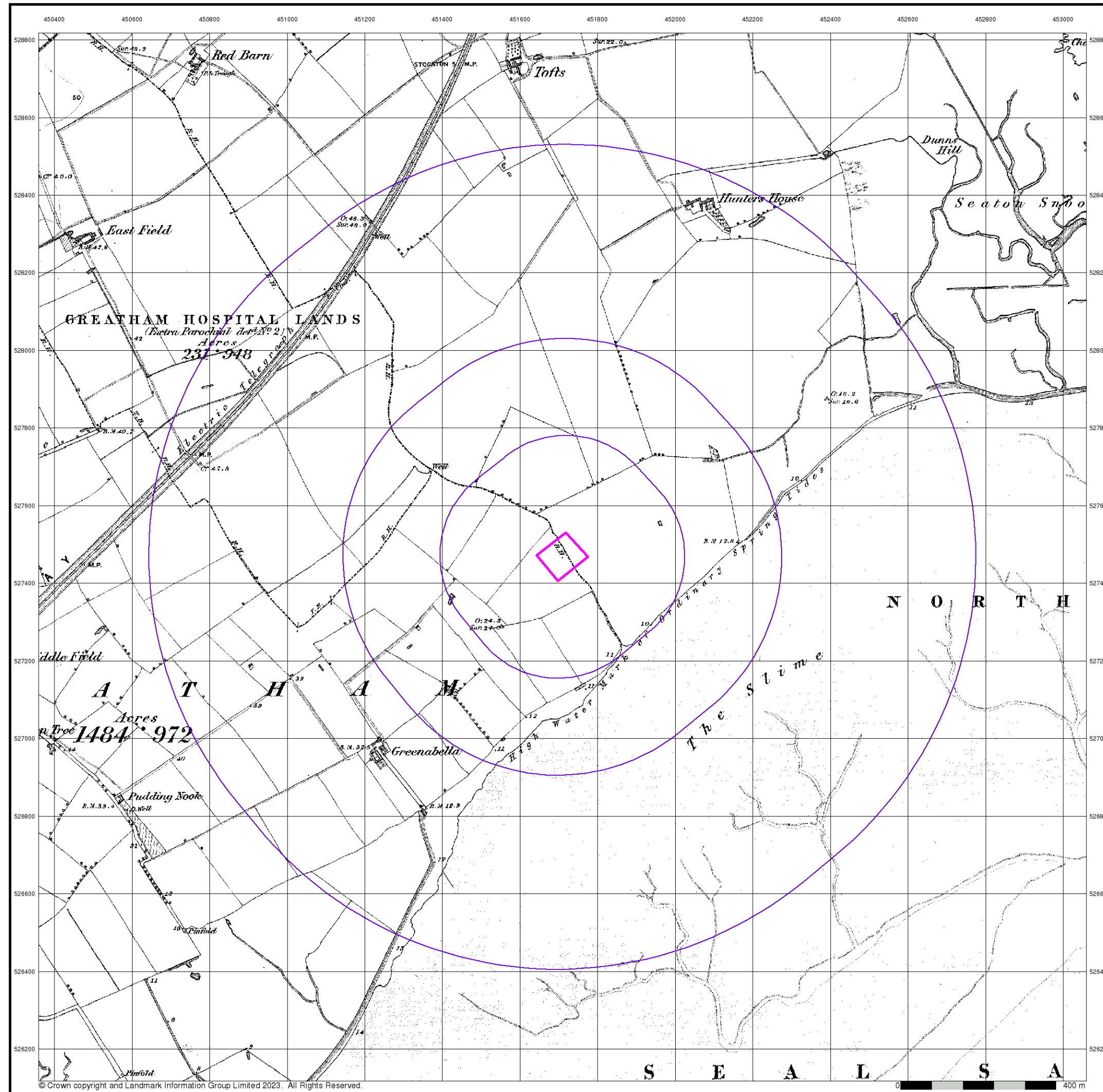
Order Details

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Site Area (Ha): 0.82
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Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL,
TS25 2DF

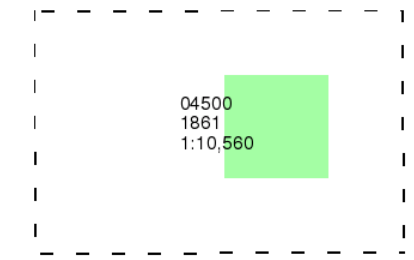




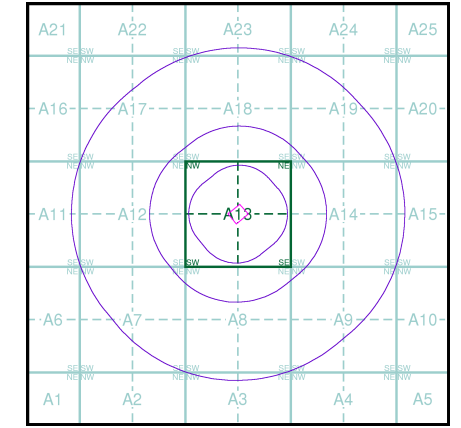
Durham
Published 1861
Source map scale - 1:10,560

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
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Site Details
 D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL,
 TS25 2DF

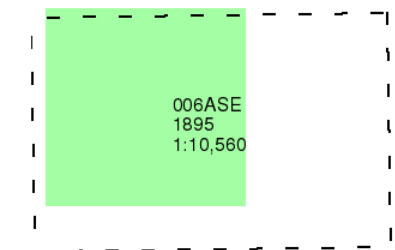
Yorkshire

Published 1895

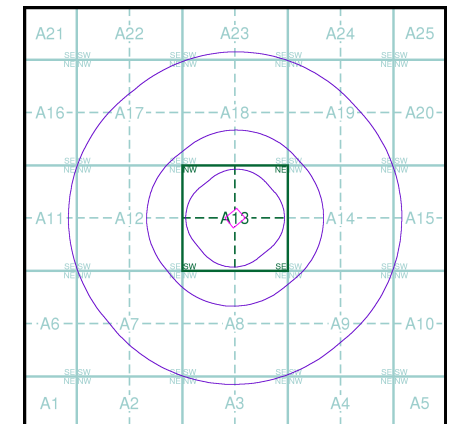
Source map scale - 1:10,560

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.

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Historical Map - Slice A

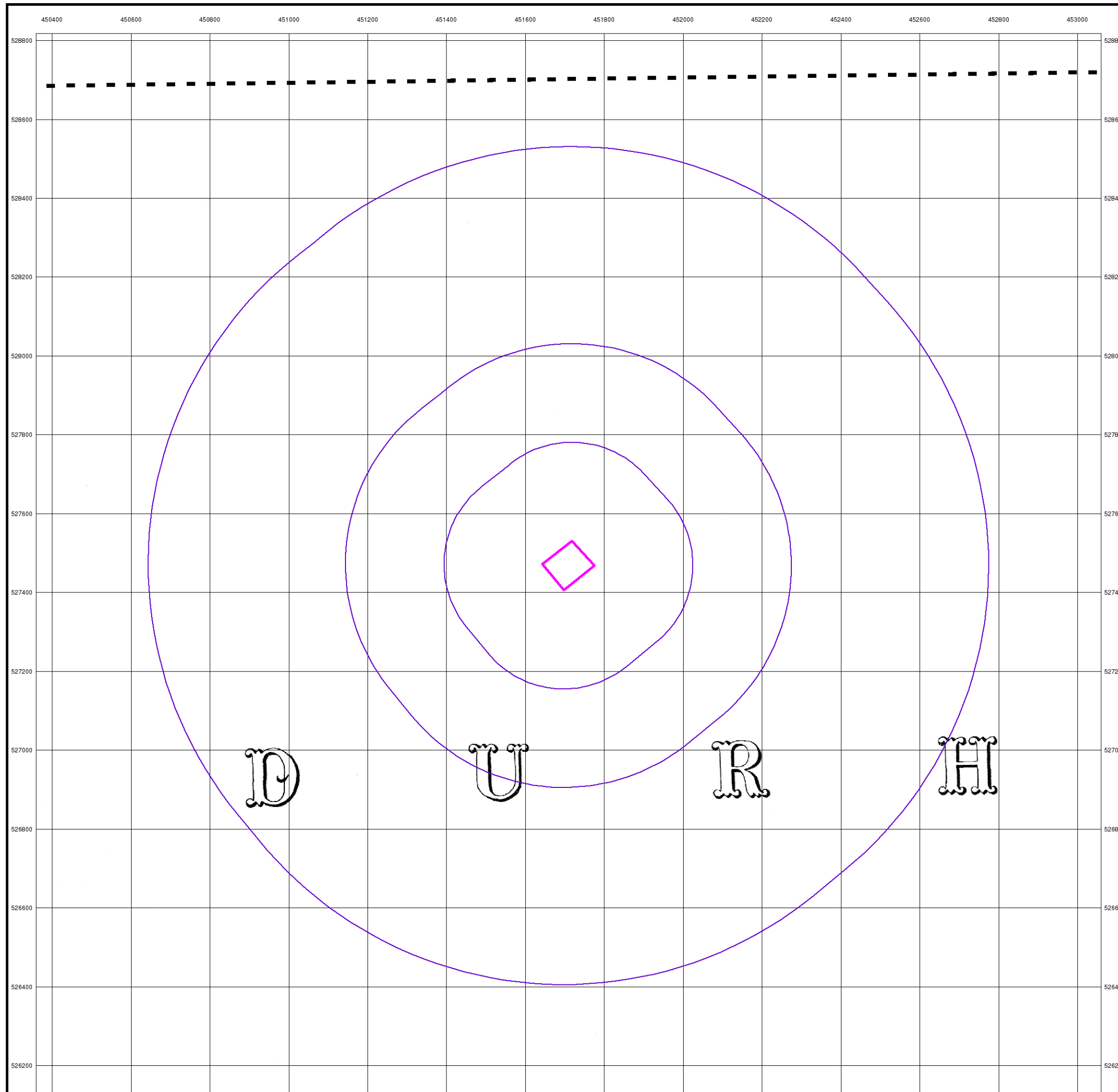


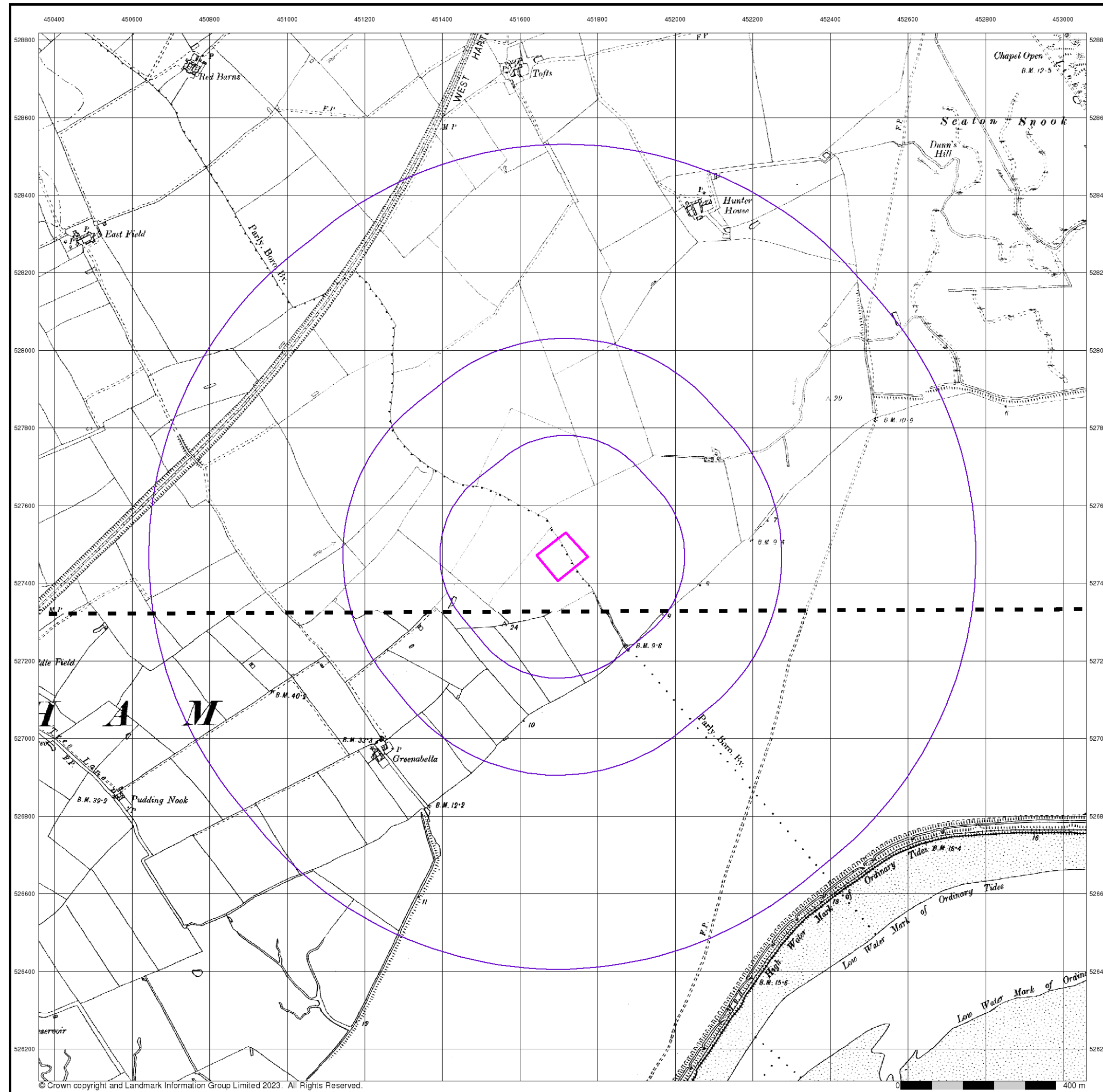
Order Details

Order Number: 312809668_1_1
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National Grid Reference: 451710, 527470
Slice: A
Site Area (Ha): 0.82
Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL,
TS25 2DF





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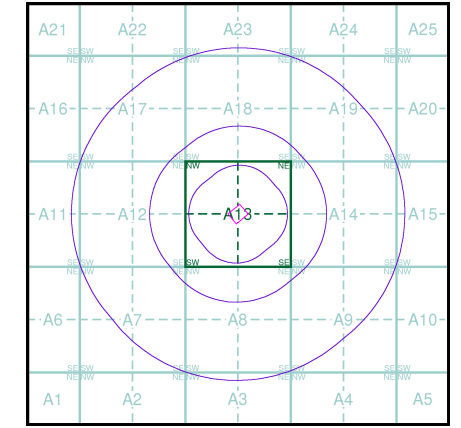
Durham
Published 1898
Source map scale - 1:10,560

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)

045NE	1898
1:10,560	
045SE	1898
1:10,560	

Historical Map - Slice A

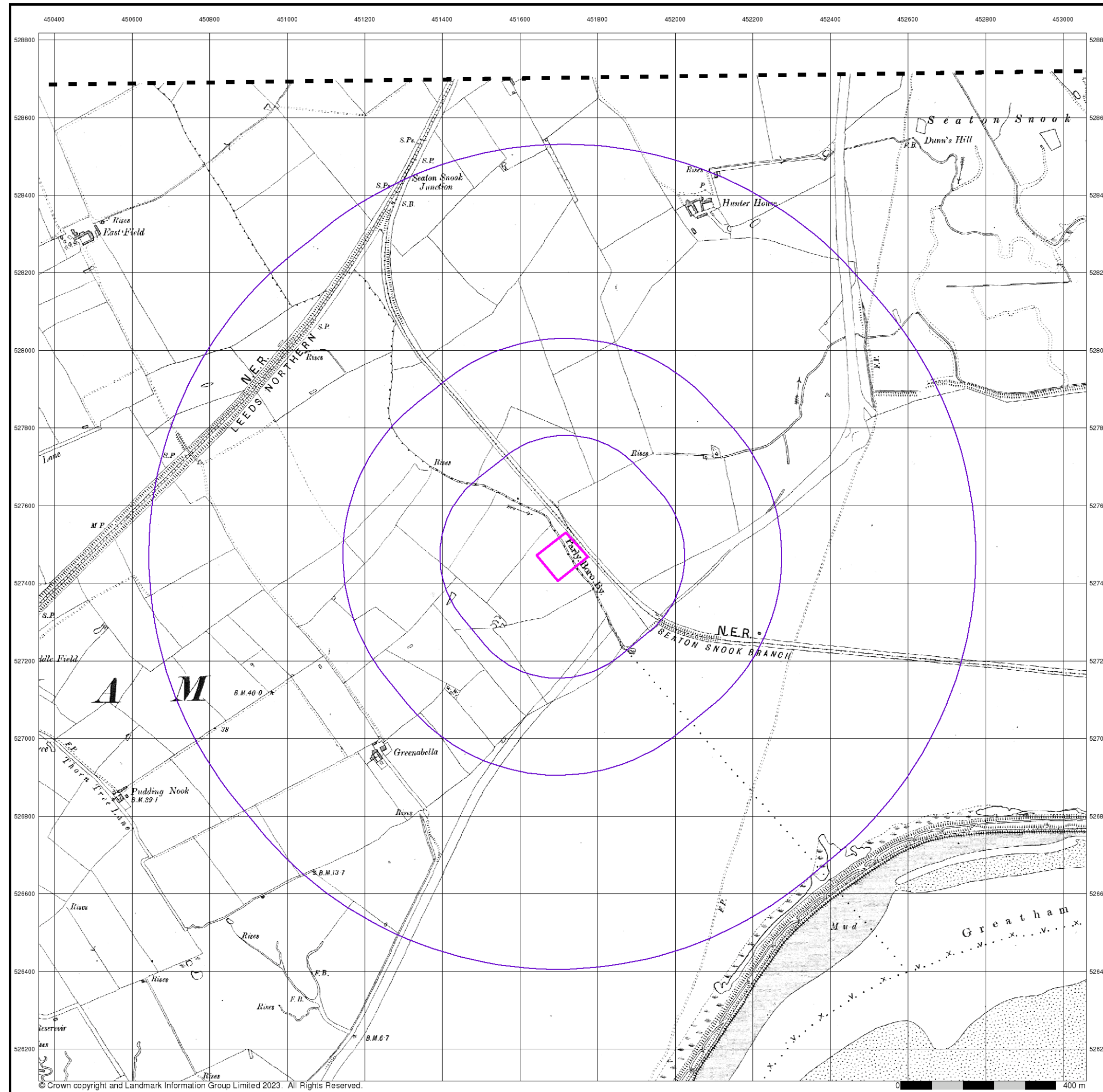


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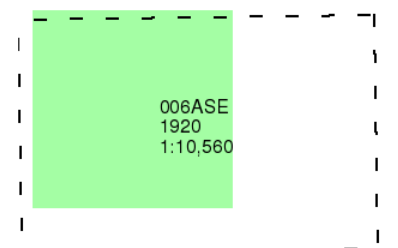
Yorkshire

Published 1920

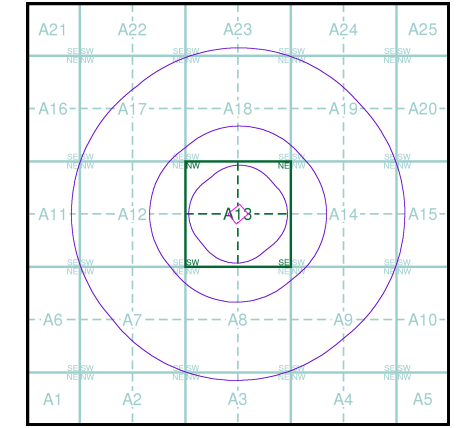
Source map scale - 1:10,560

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: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

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Durham

Published 1923

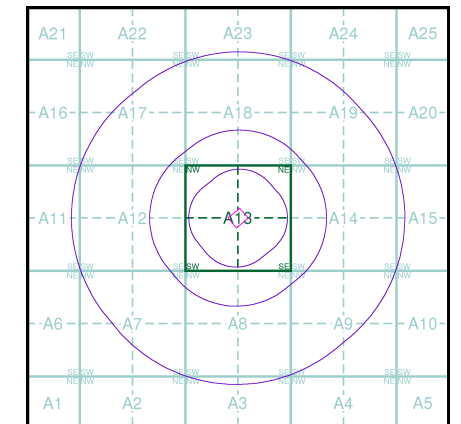
Source map scale - 1:10,560

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)

045NE	1923
1:10,560	
045SE	1923
1:10,560	

Historical Map - Slice A

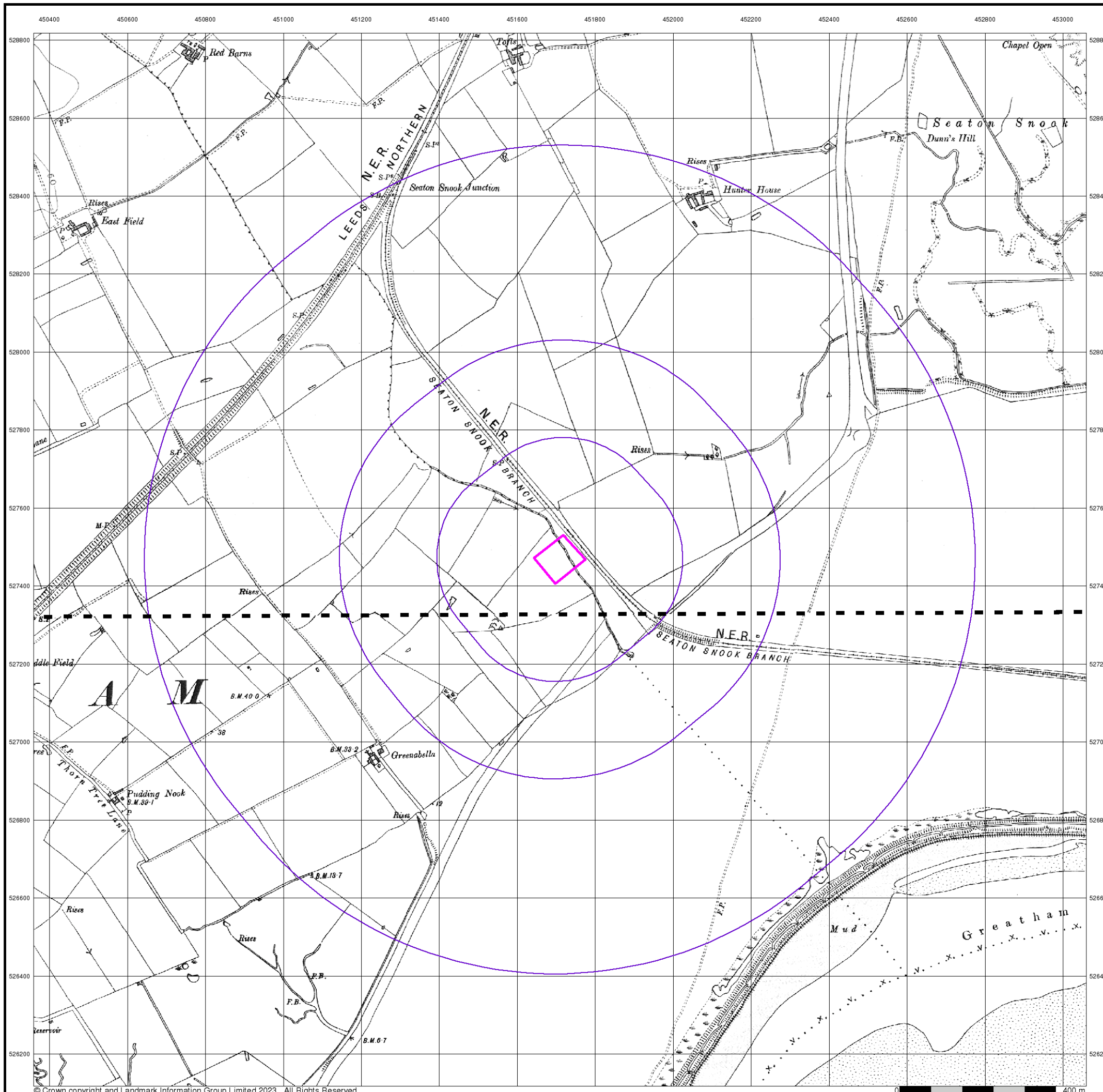


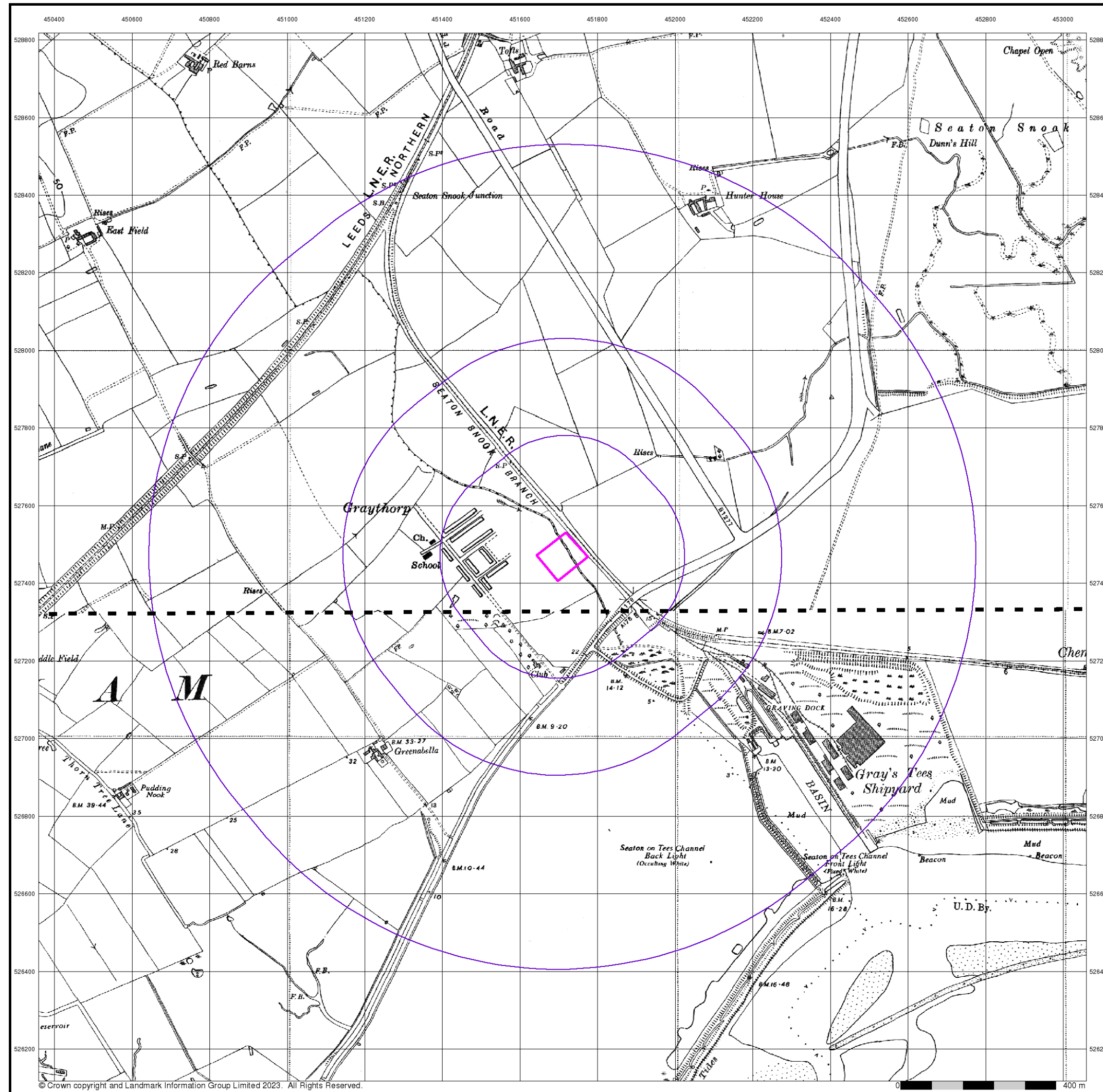
Order Details

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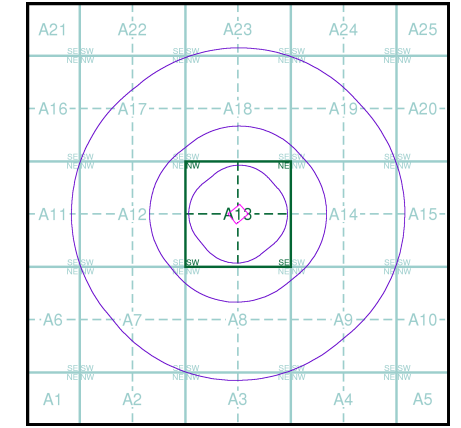
Durham
Published 1938 - 1951
Source map scale - 1:10,560

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)

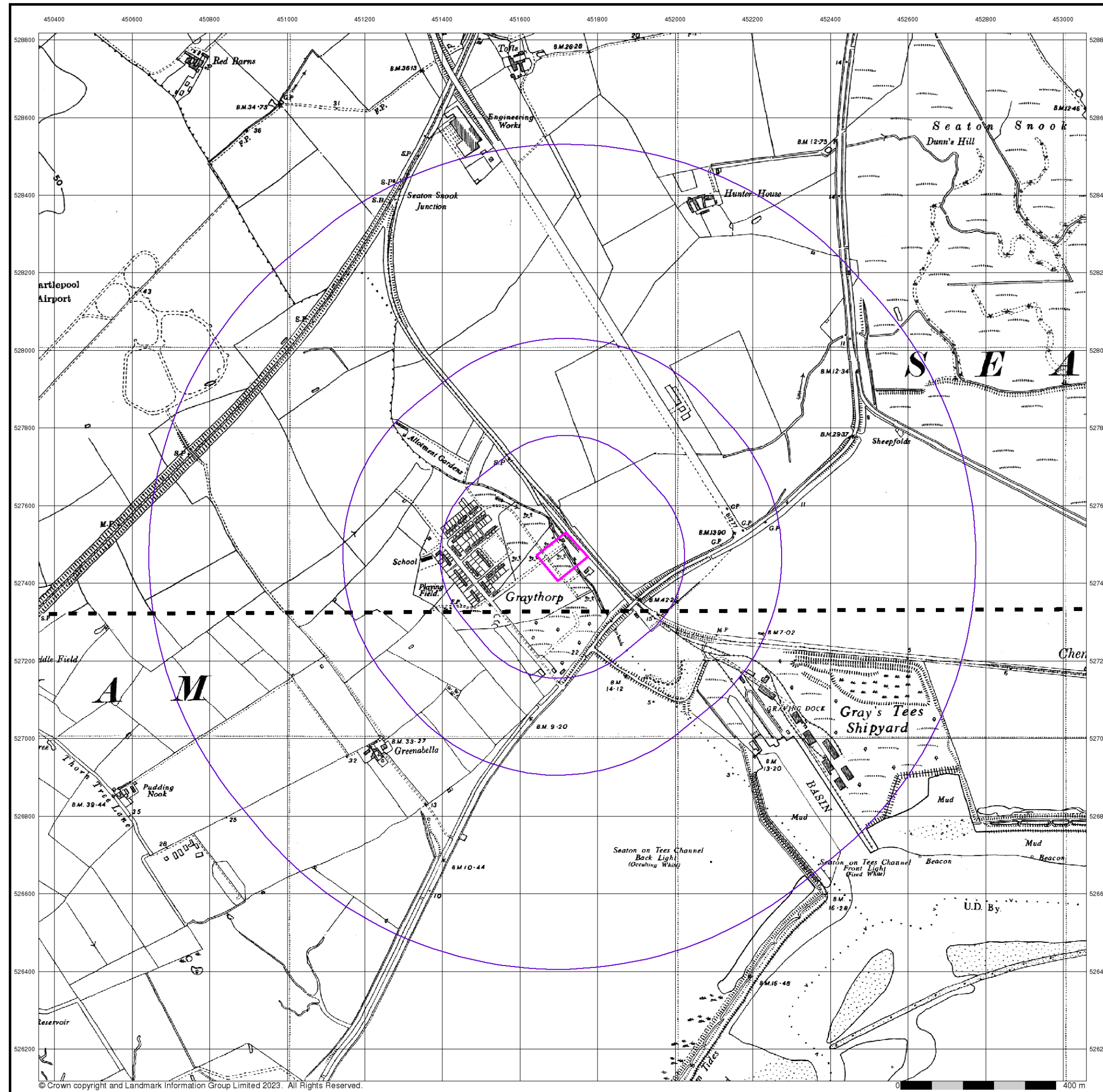
045NE	1938
045SE	1951

Historical Map - Slice A



Order Details
 Order Number: 312809668_1_1
 Customer Ref: CNC0623
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Durham

Published 1951 - 1952

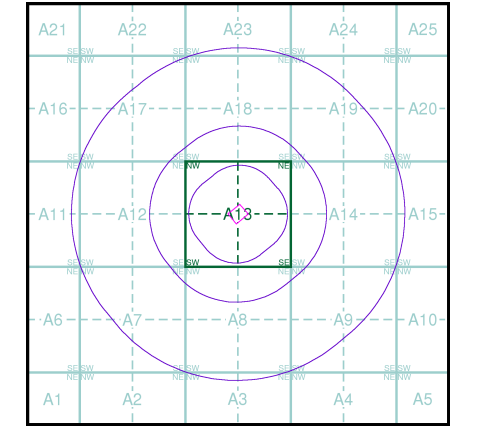
Source map scale - 1:10,560

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)

045NE	1951
045SE	1952

Historical Map - Slice A



Order Details

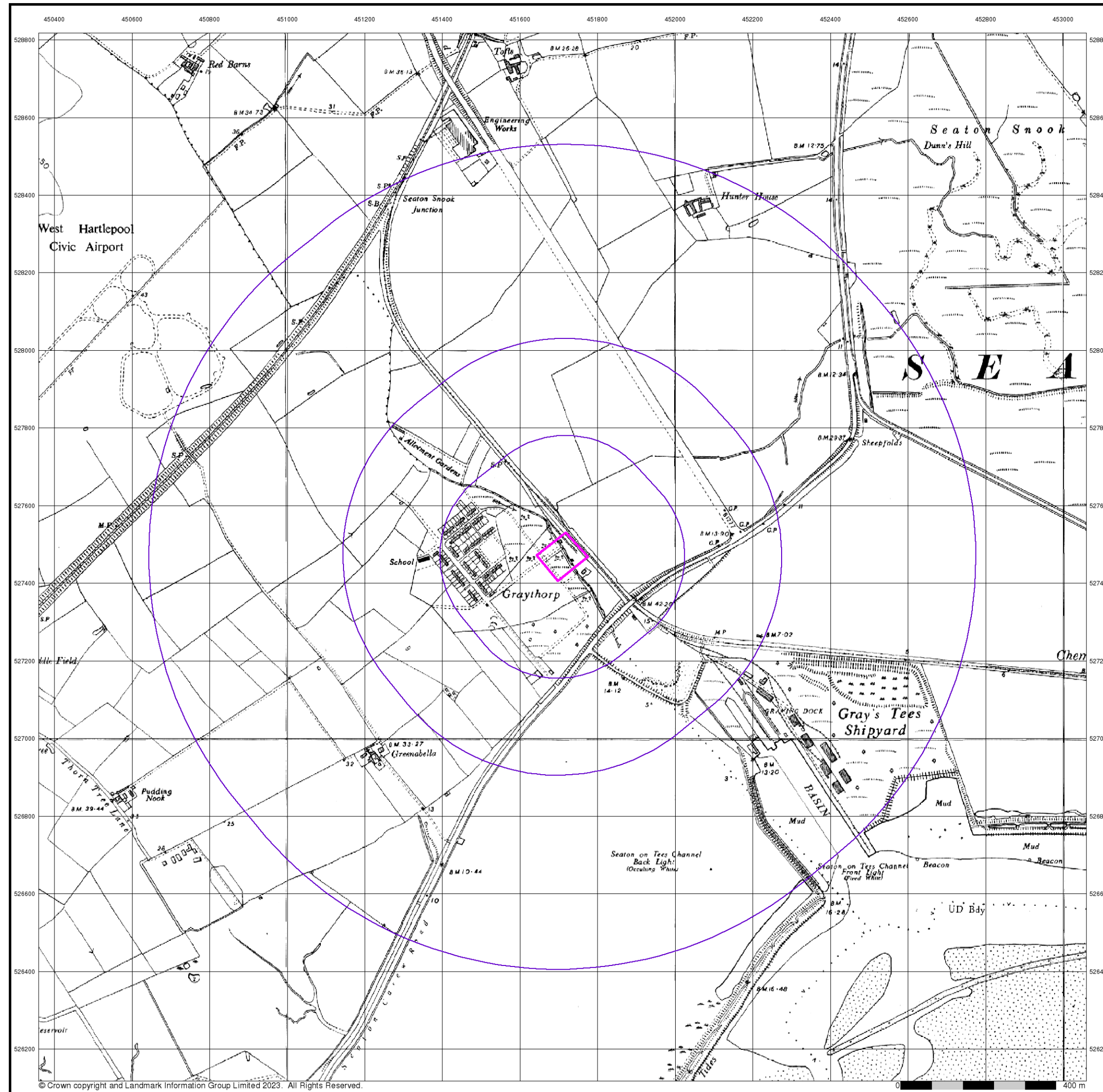
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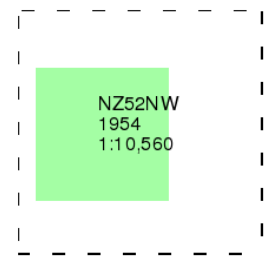
Ordnance Survey Plan

Published 1954

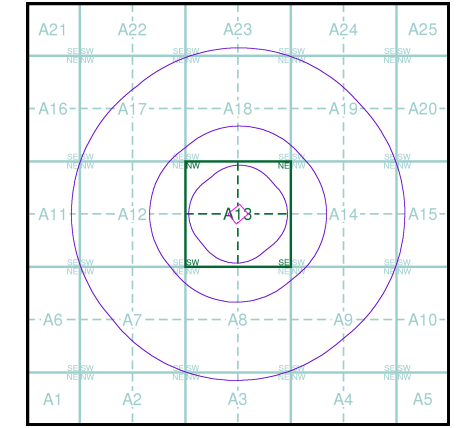
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Middlesbrough

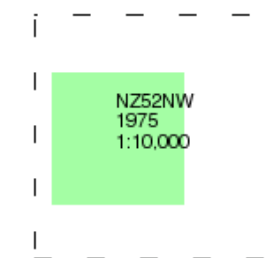
Published 1975

Source map scale - 1:10,000

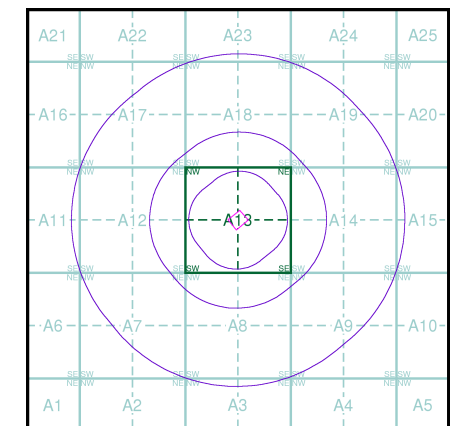
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A

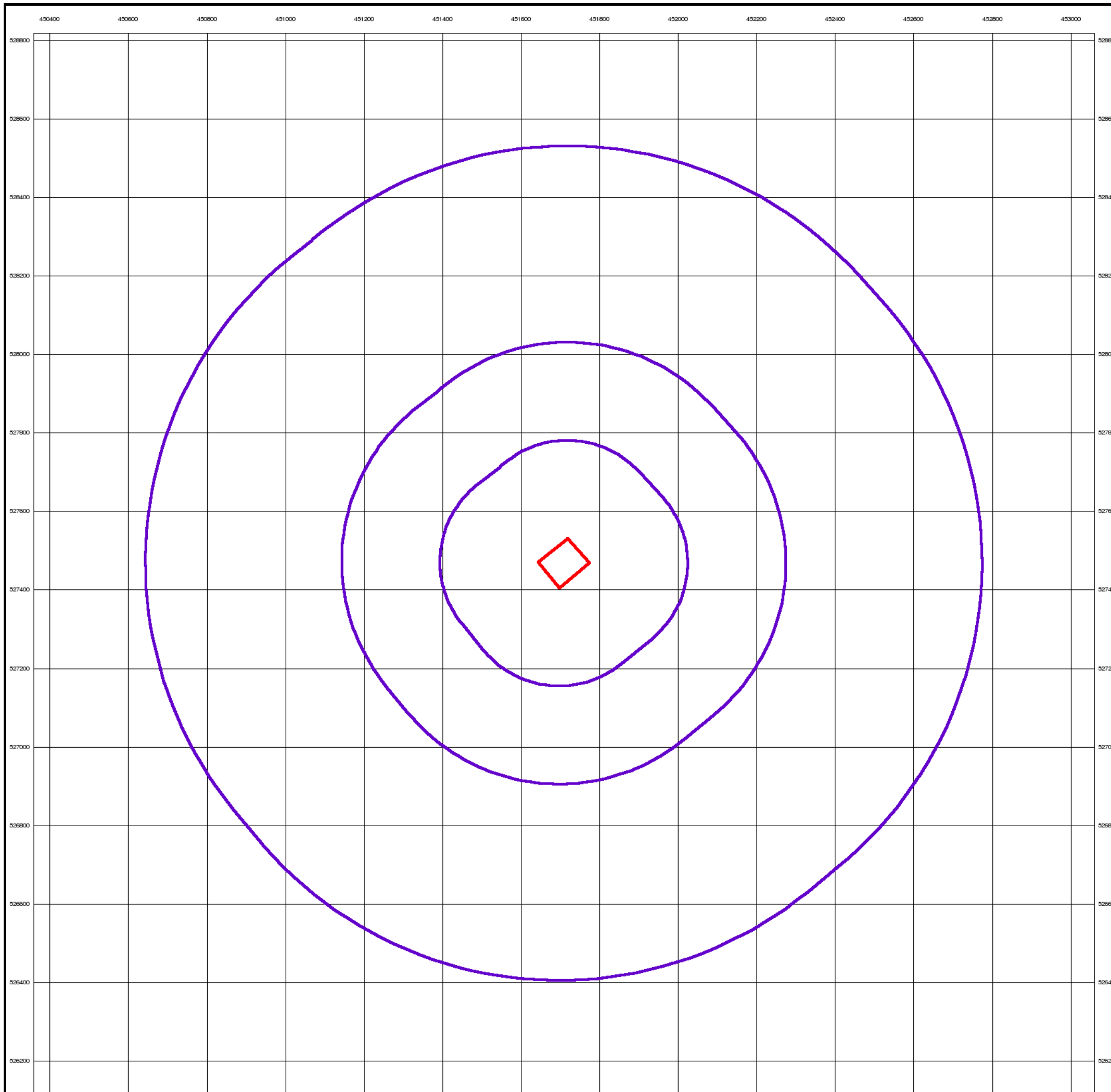


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Site Details

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Hartlepool

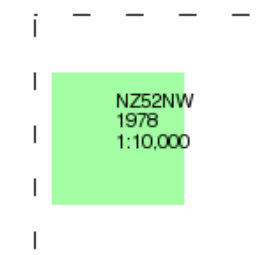
Published 1978

Source map scale - 1:10,000

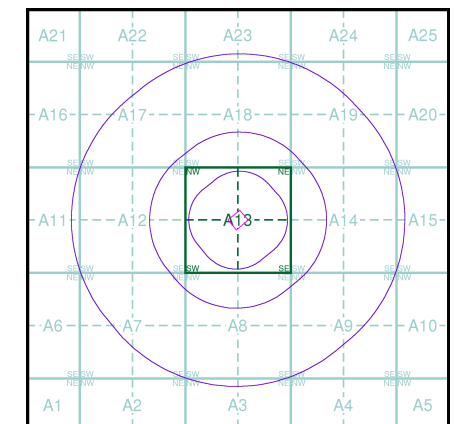
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Map Name(s) and Date(s)



Russian Map - Slice A



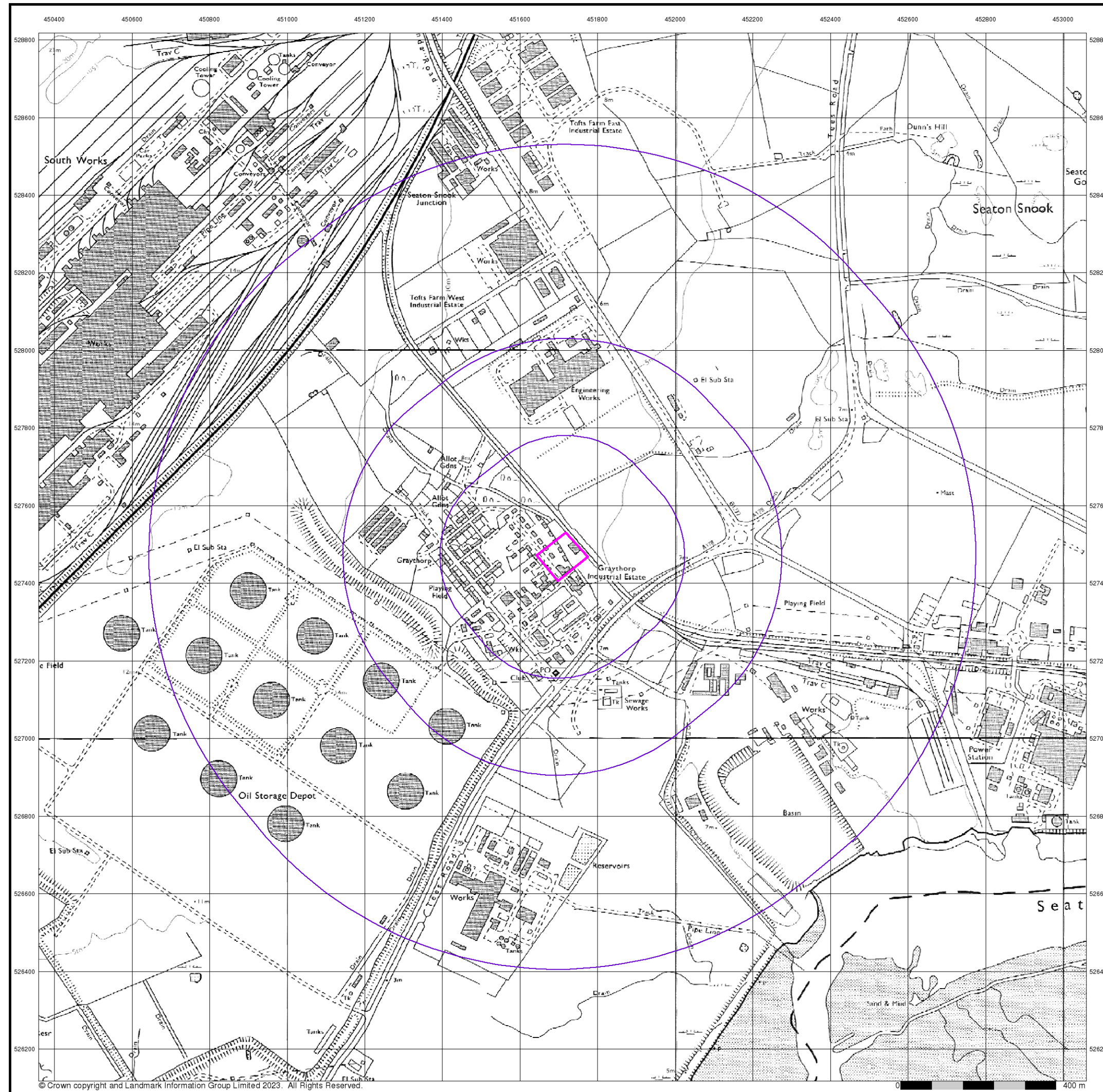
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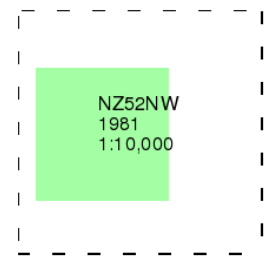


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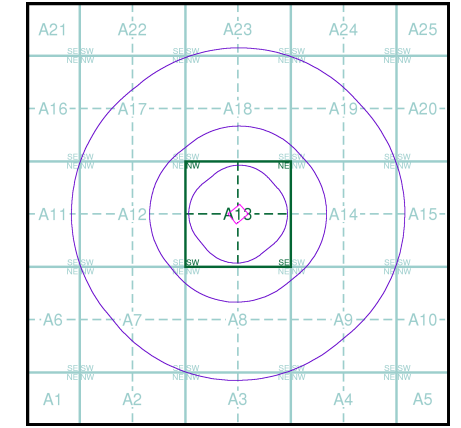
Ordnance Survey Plan Published 1981 Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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Site Details

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Middlesbrough

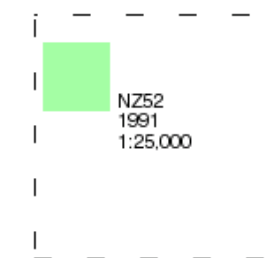
Published 1991

Source map scale - 1:25,000

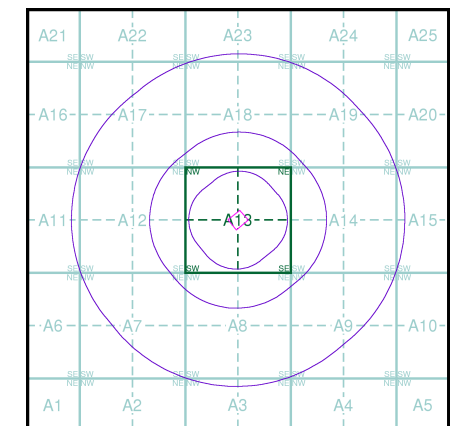
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Map Name(s) and Date(s)



Russian Map - Slice A

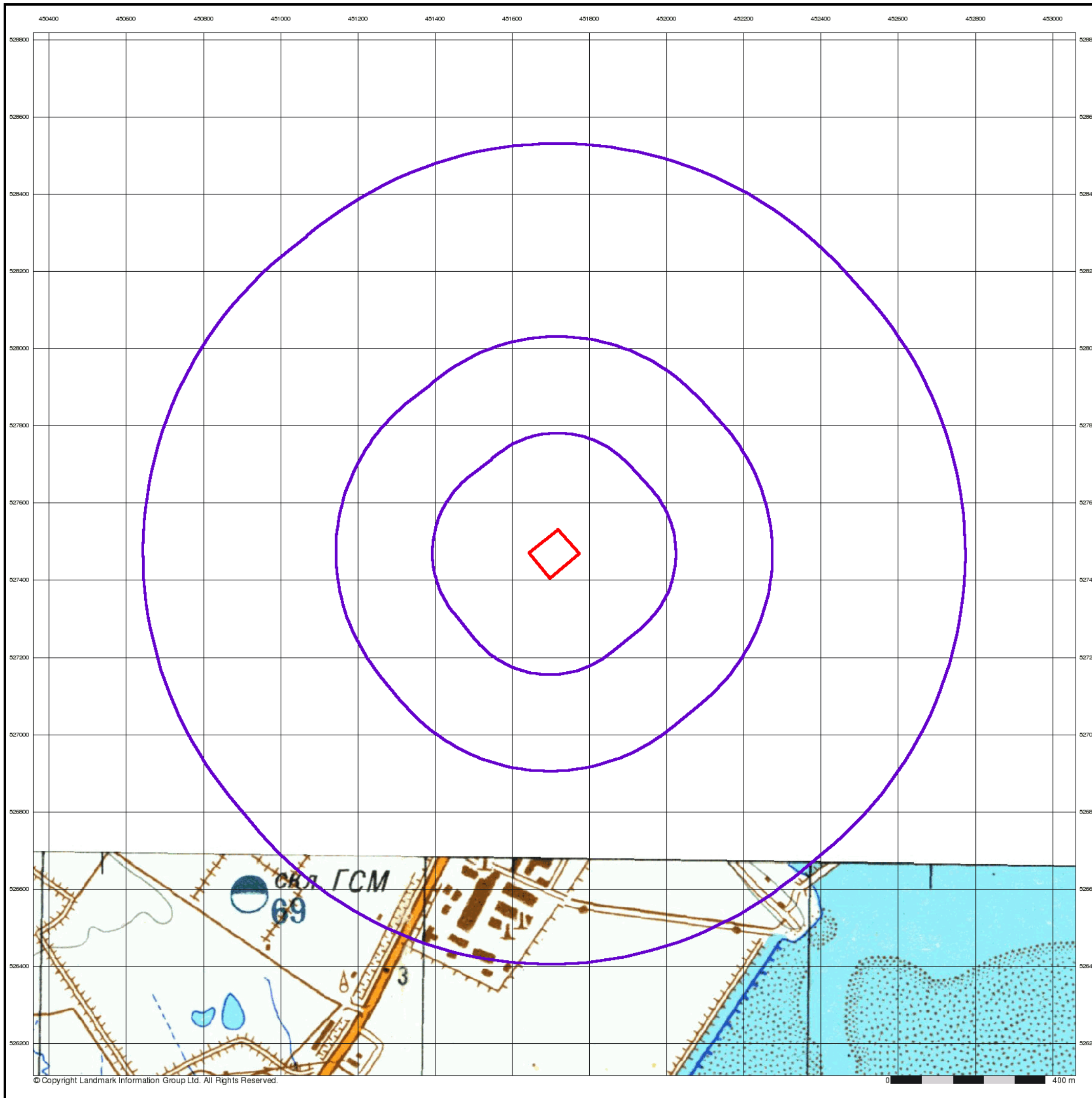


Order Details

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Slice: A
Site Area (Ha): 0.82
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Site Details

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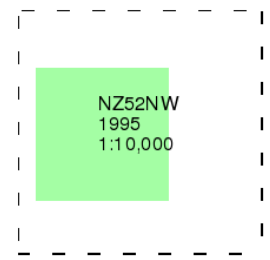


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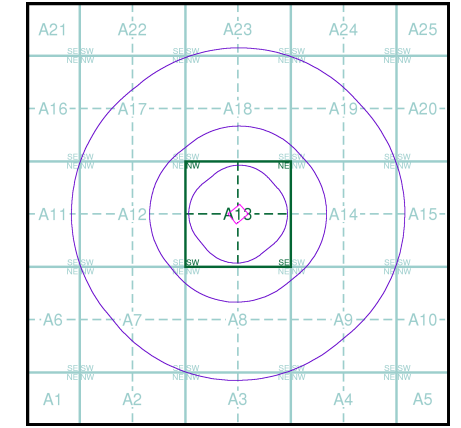
Ordnance Survey Plan Published 1995 Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A

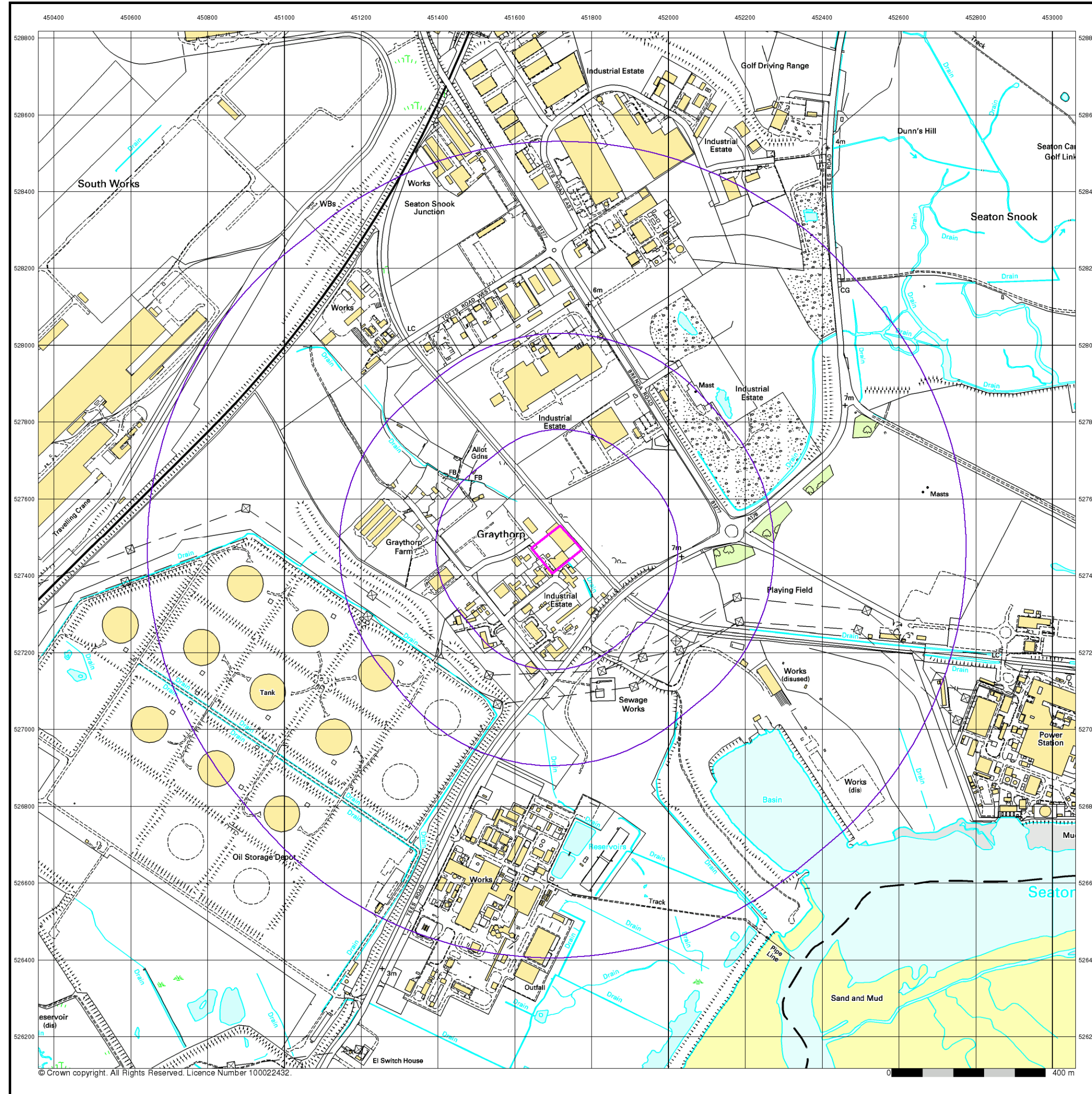


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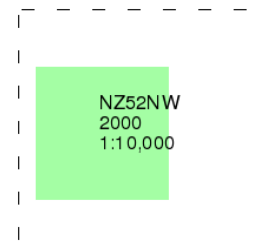
10k Raster Mapping

Published 2000

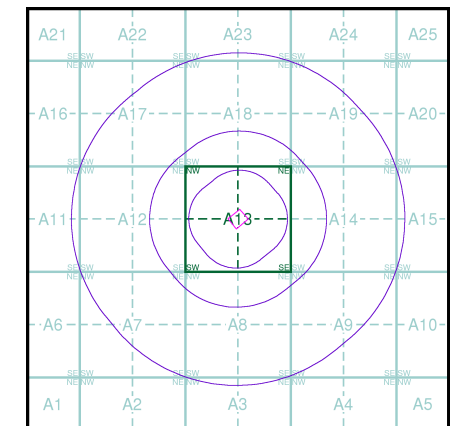
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

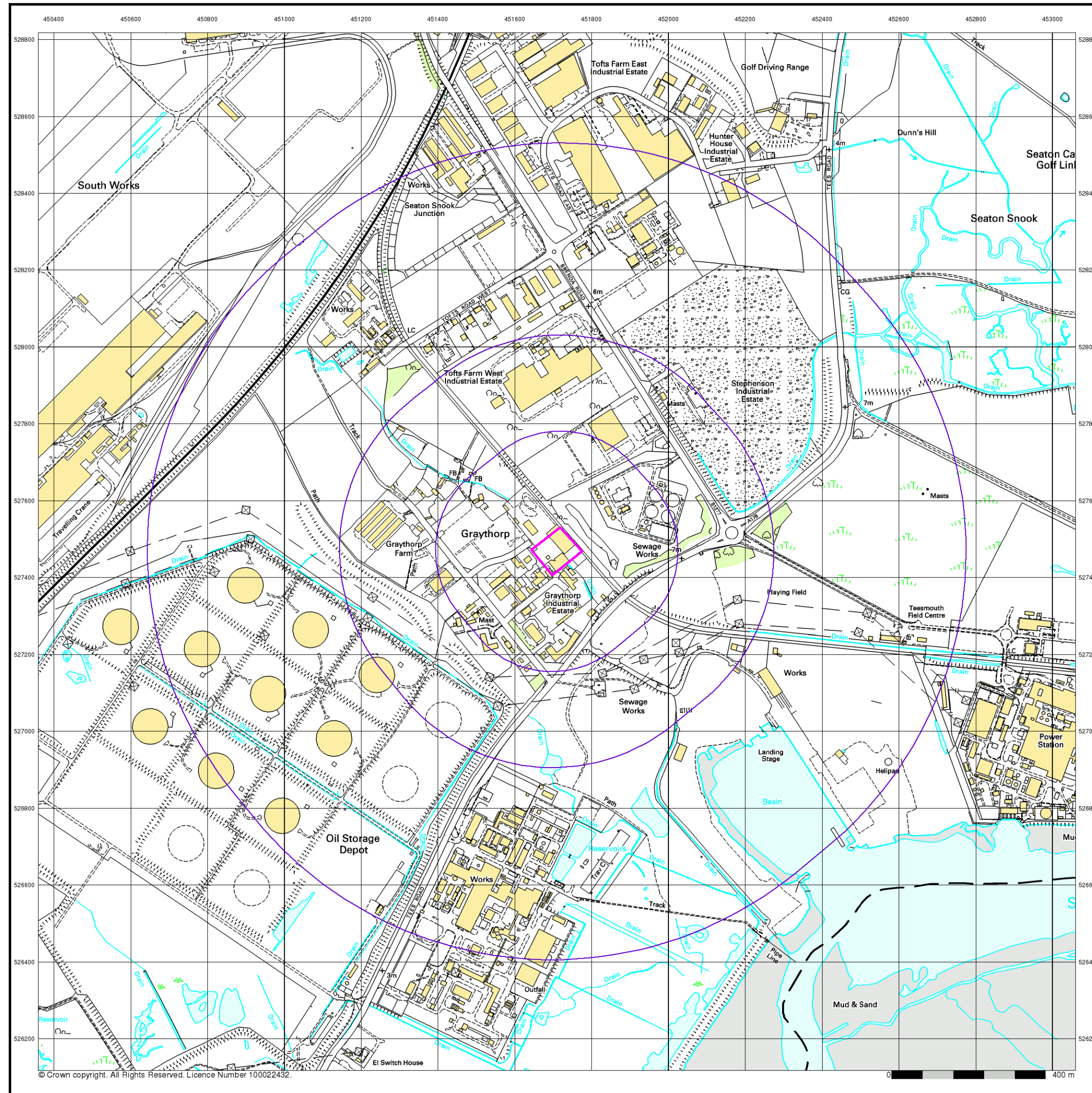
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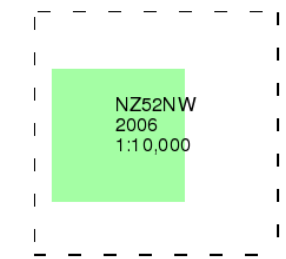
10k Raster Mapping

Published 2006

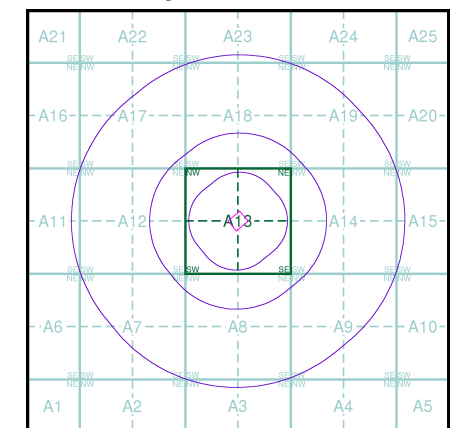
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

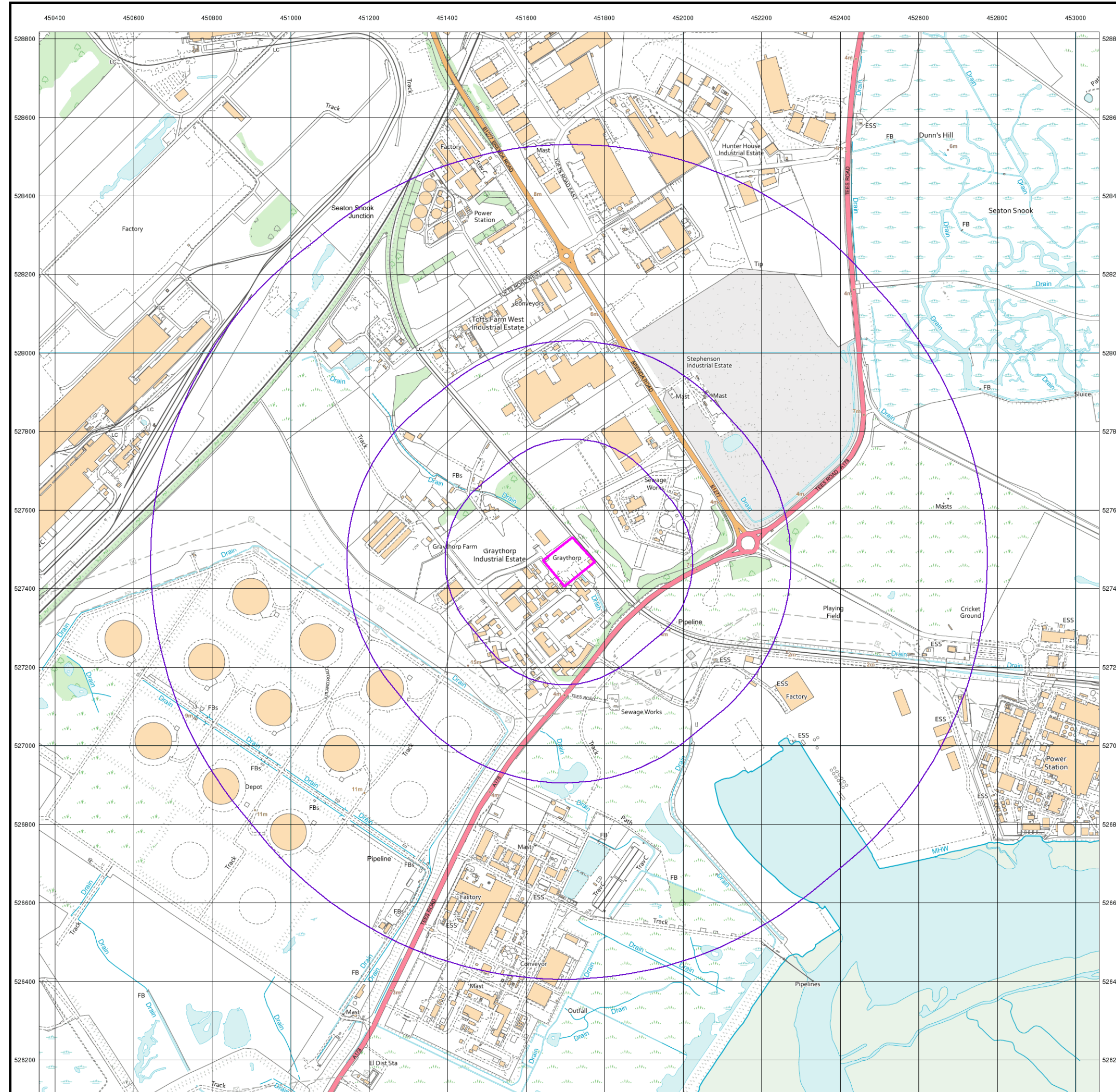
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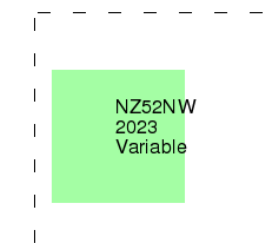
VectorMap Local

Published 2023

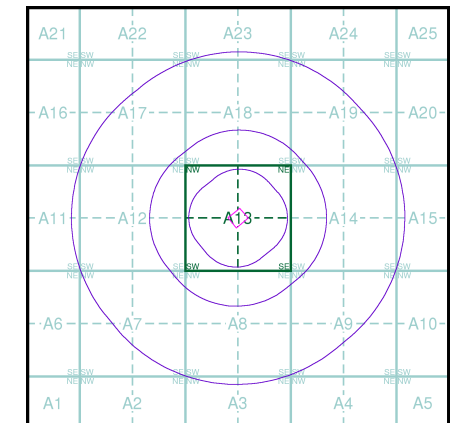
Source map scale - 1:10,000

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)



Historical Map - Slice A



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General

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

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
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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 (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

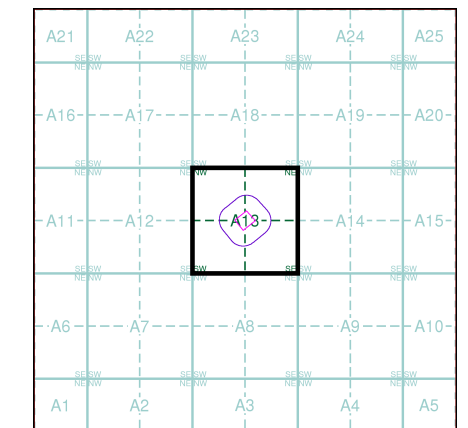
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

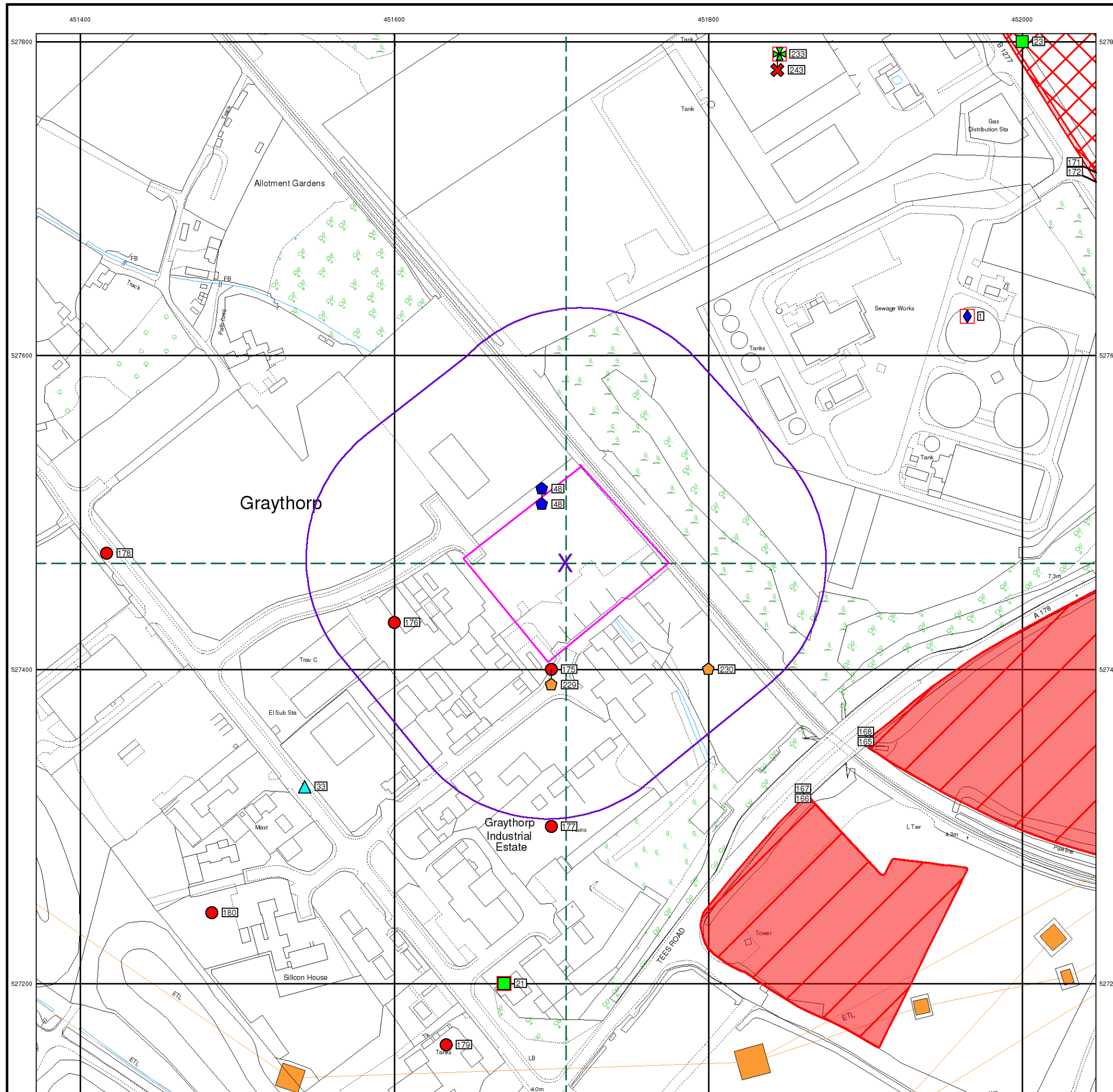


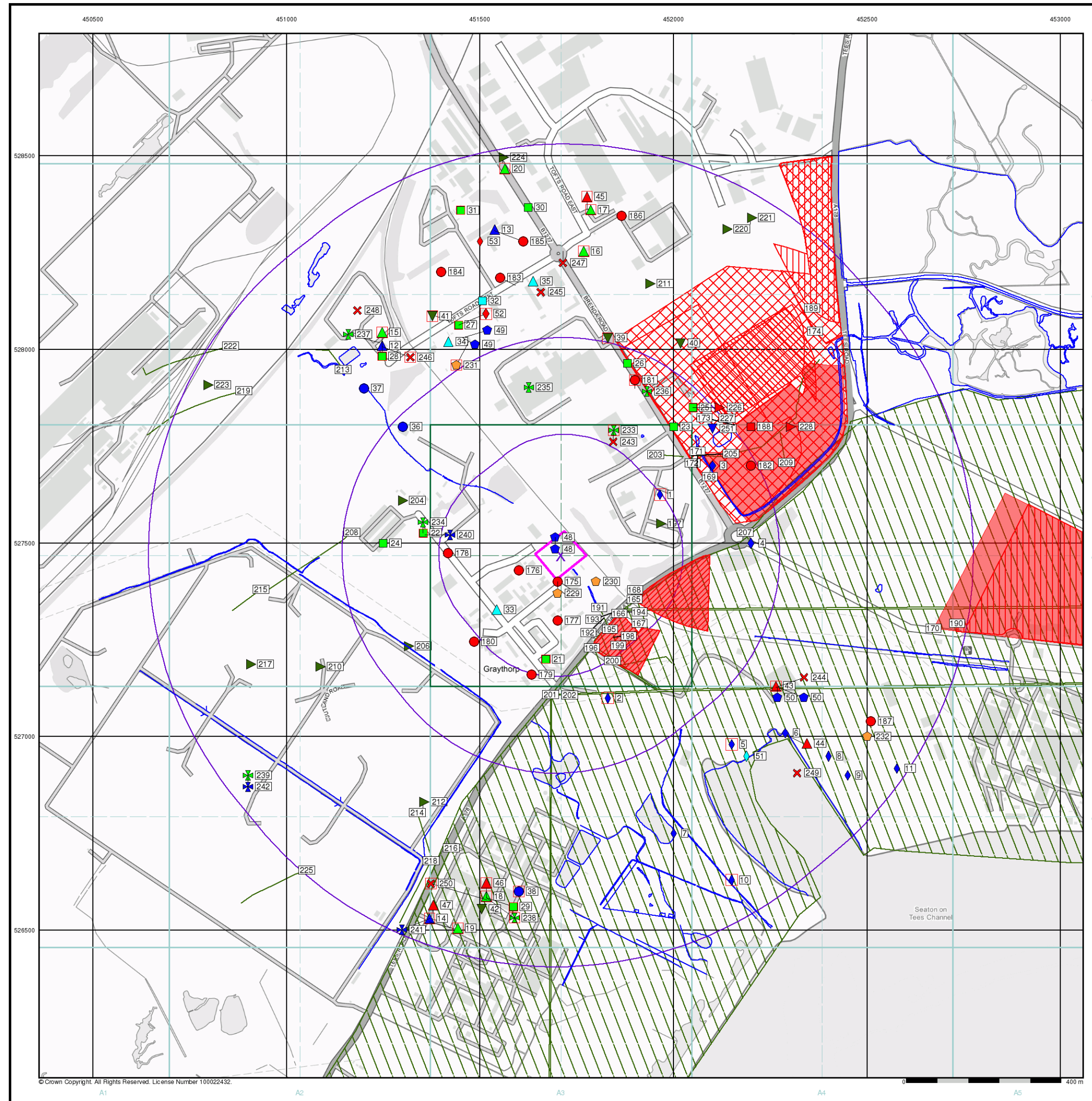
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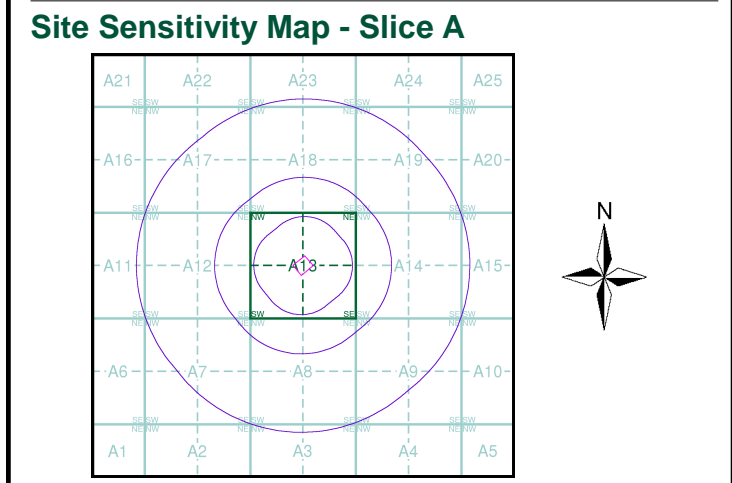
Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF





- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - 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



Order Details






Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details










D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

Industrial Land Use Map

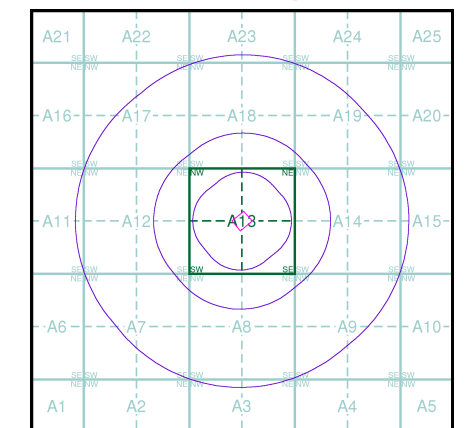
General

-  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

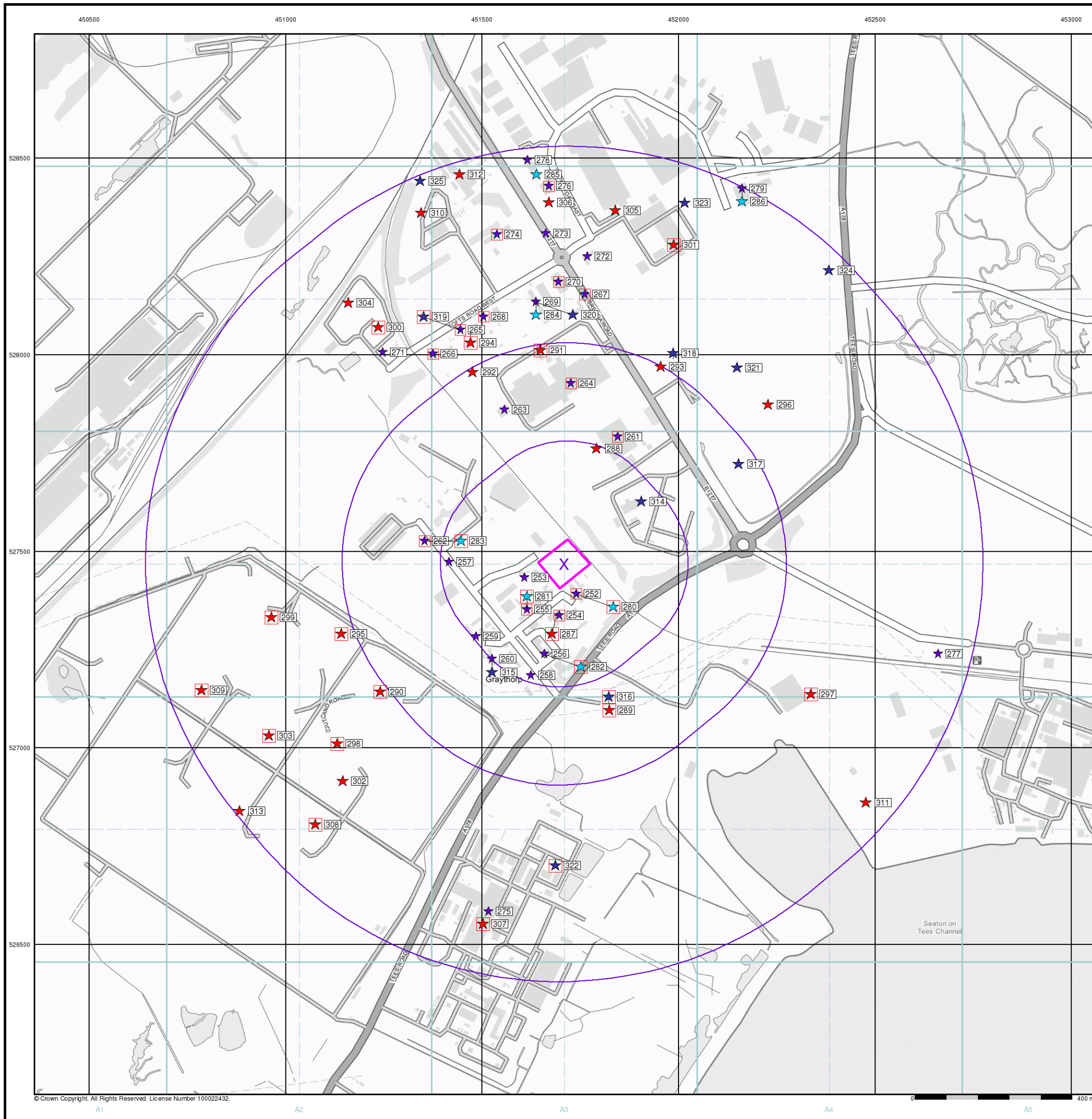


Order Details



Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details






D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



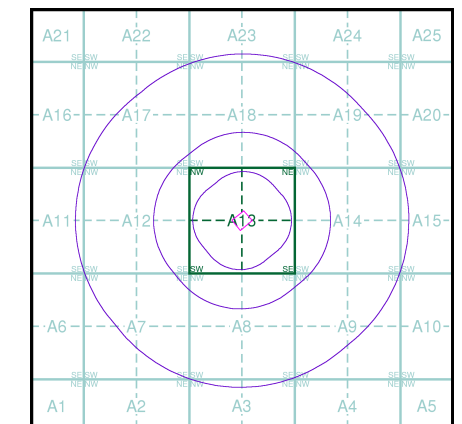
General

-  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

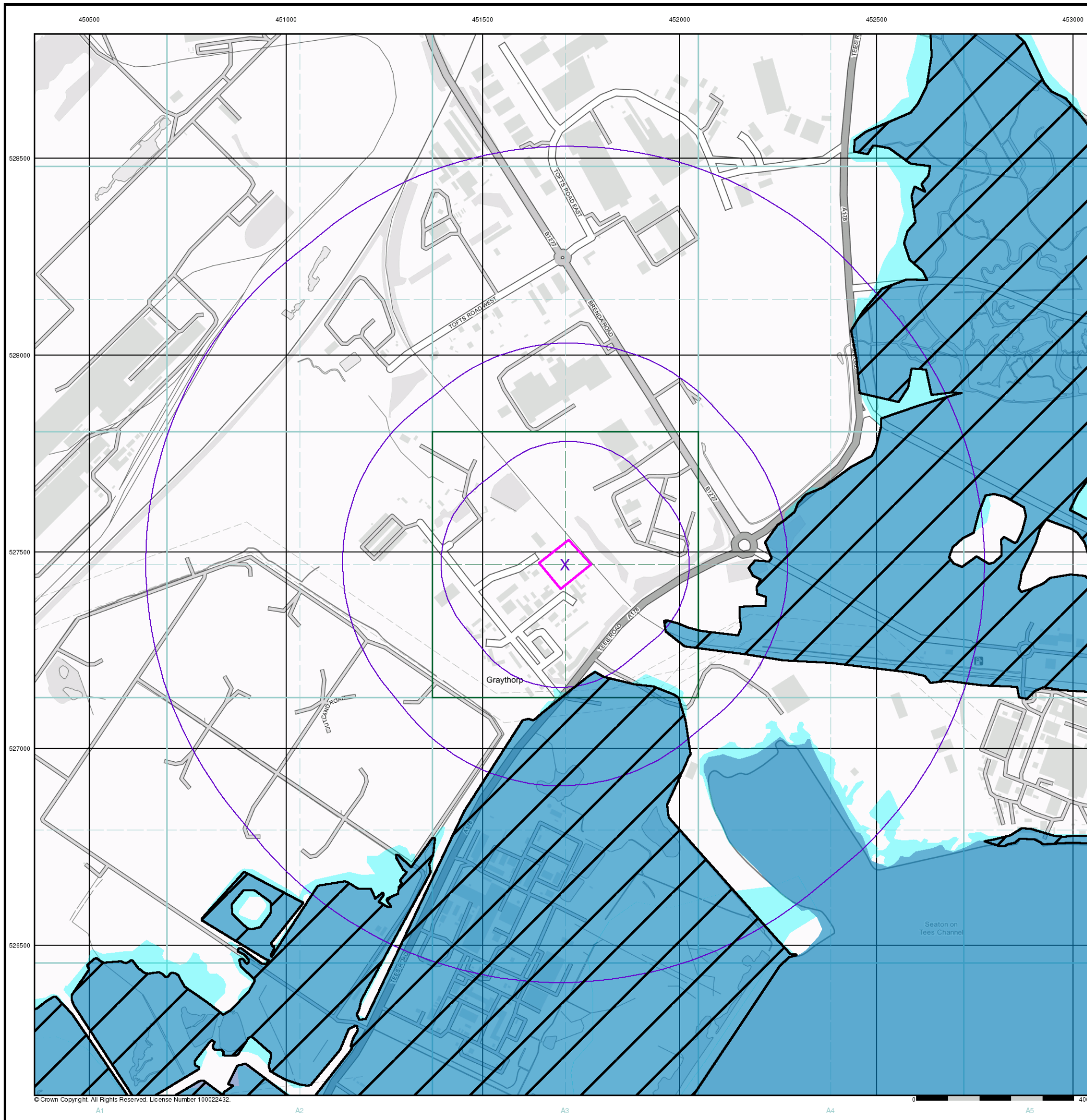


Order Details

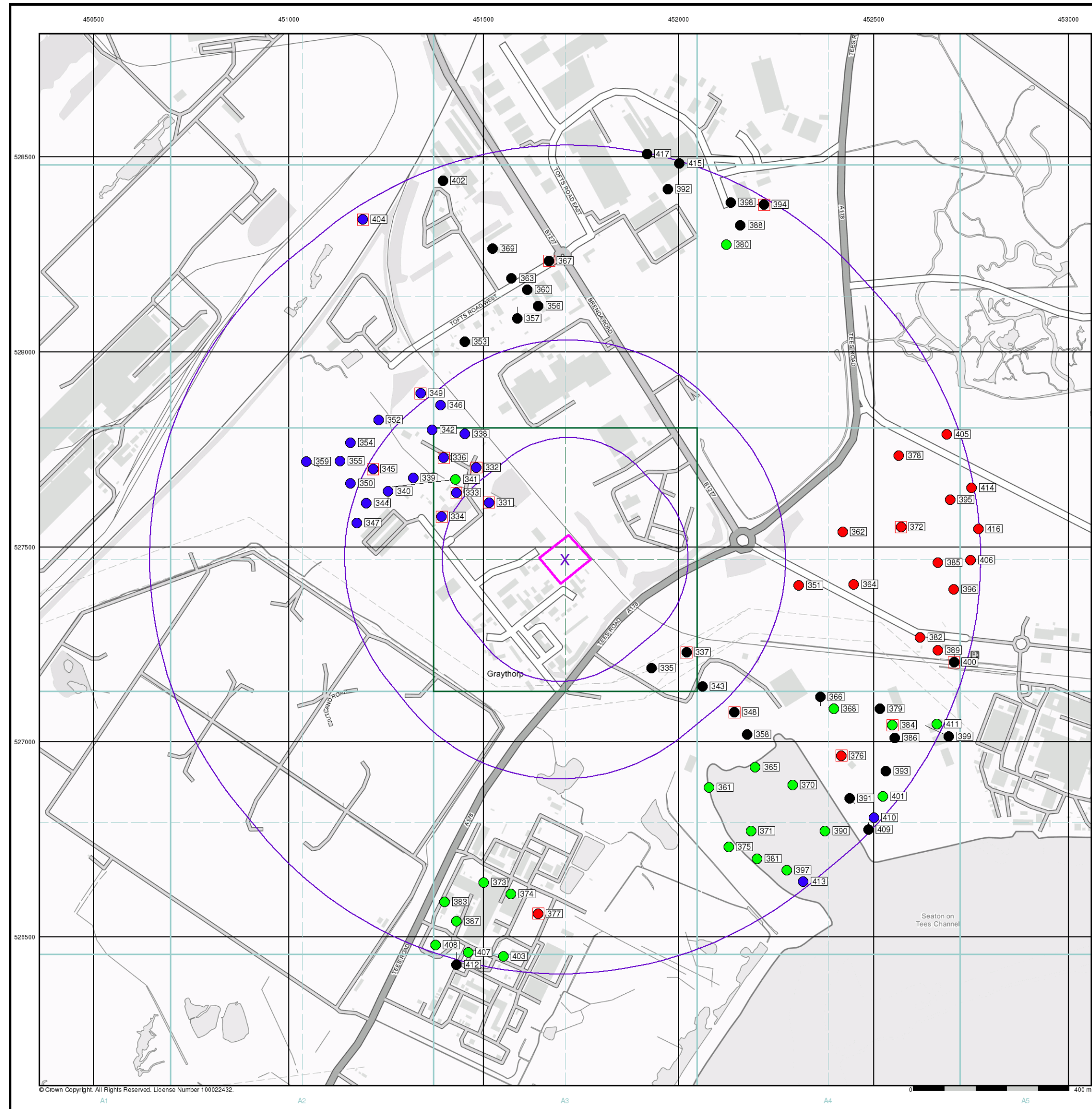
Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



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General

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

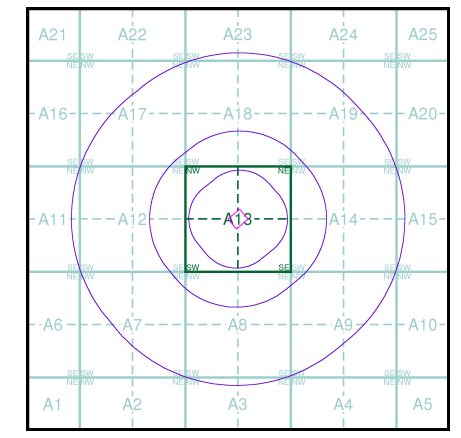
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

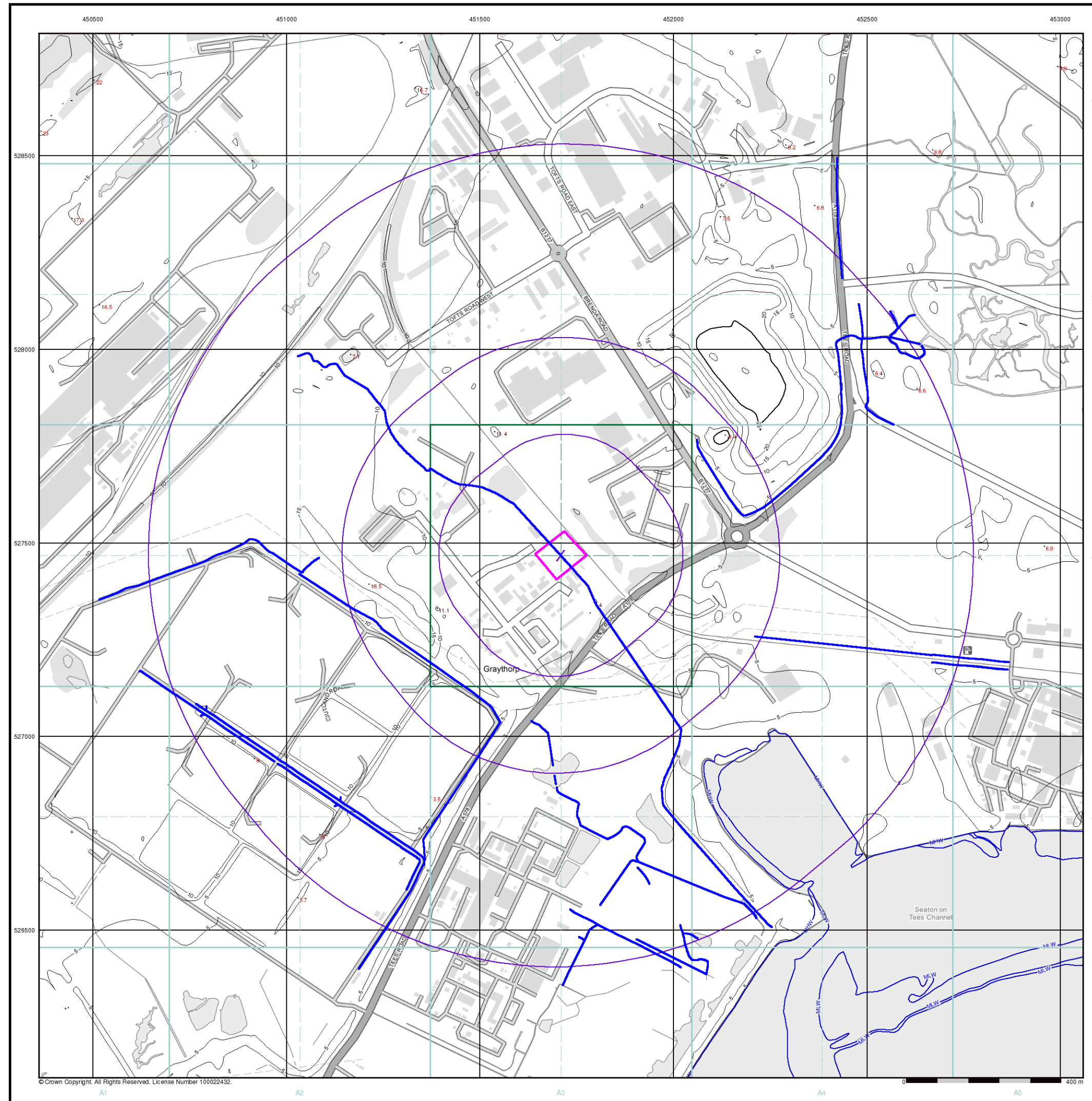


Order Details

Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



General

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

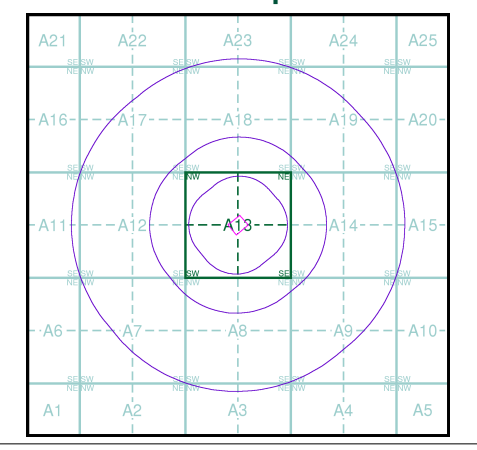
OS Water Network Data

- | | |
|--------------|-------------------------|
| 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 Mean Low Water
- Master Contour 100 Mean High Water
- Spot Height 167.3

OS Water Network Map - Slice A






Order Details

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Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

General

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

Risk of Flooding from Surface Water

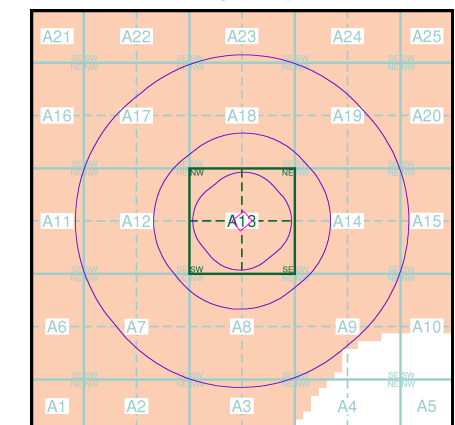
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

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

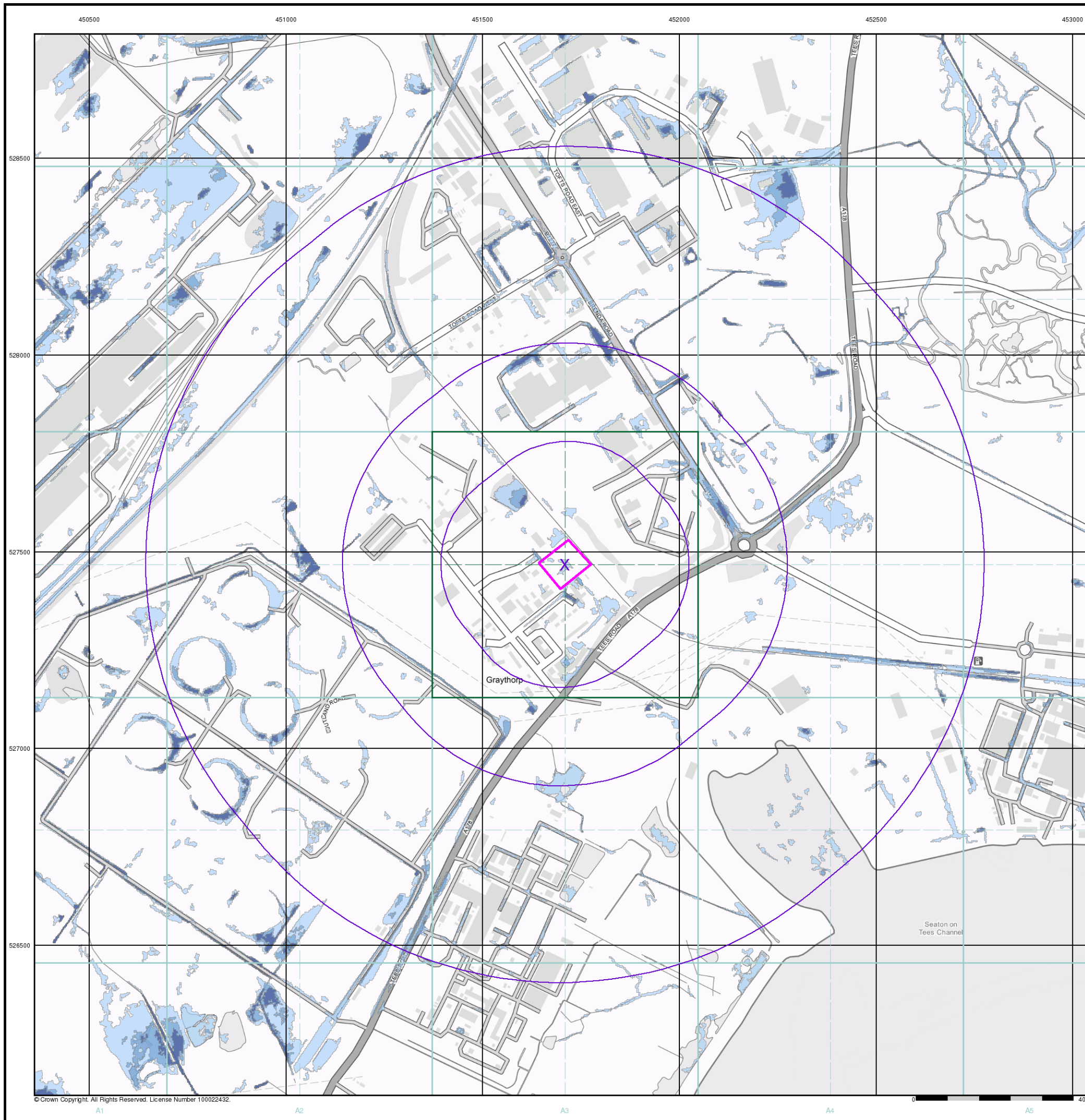


Order Details

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 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

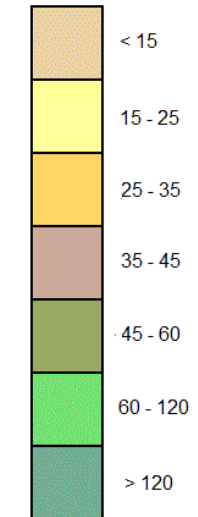


General

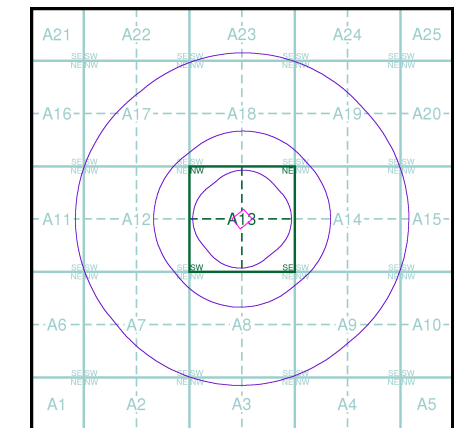
✱ Specified Site
 ○ Specified Buffer(s)
 ✱ Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



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Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

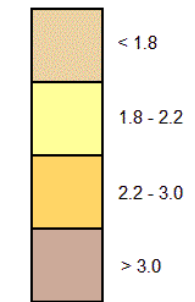


General

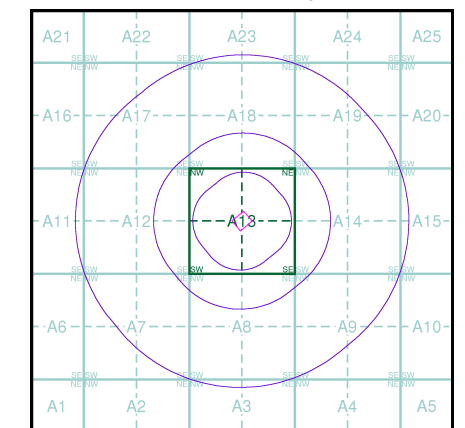
✱ Specified Site
 ○ Specified Buffer(s)
 ✱ Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

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 Customer Ref: CNC0623
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 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

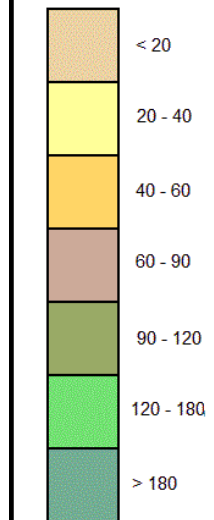


General

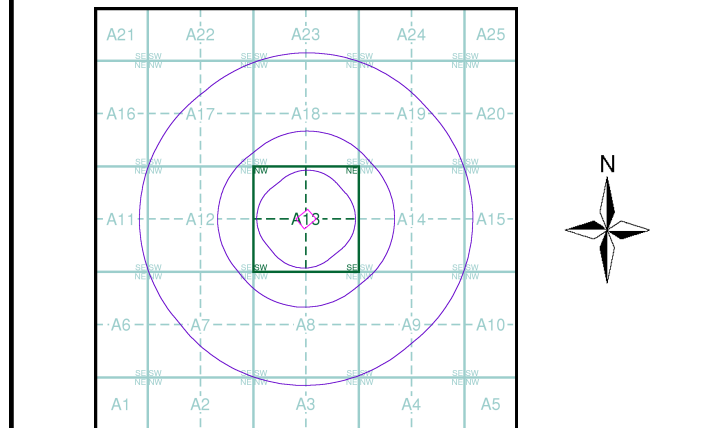
✖ Specified Site
 ○ Specified Buffer(s)
 ✖ Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

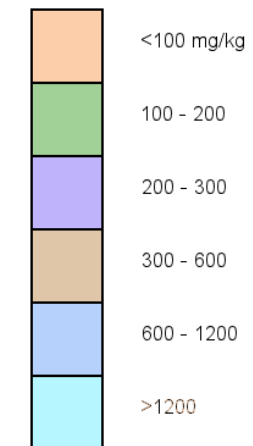


General

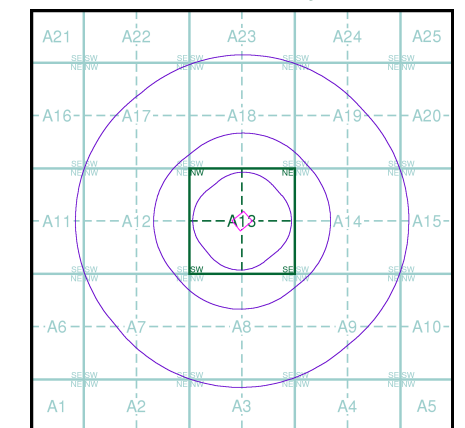
✦ Specified Site
 ○ Specified Buffer(s)
 ✕ Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

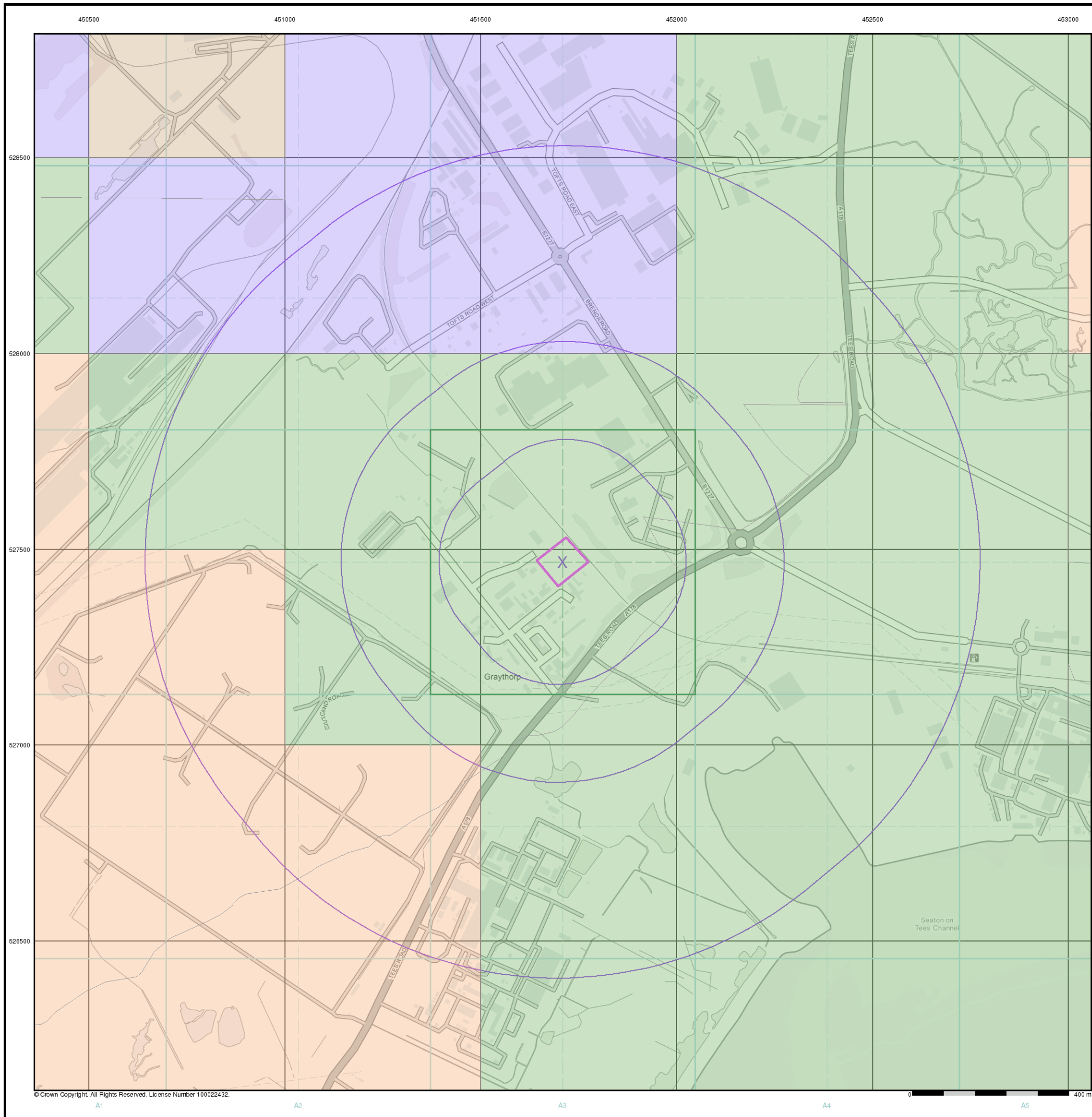


Order Details

Order Details: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

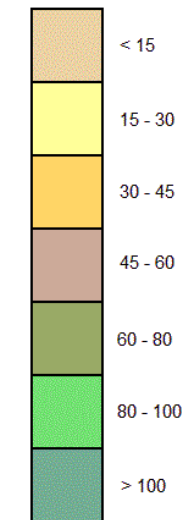


General

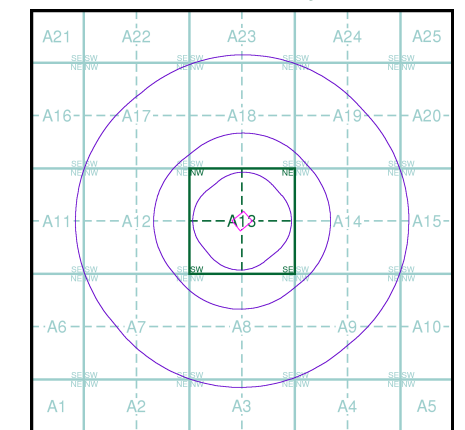
✖ Specified Site
 ○ Specified Buffer(s)
 ✕ Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

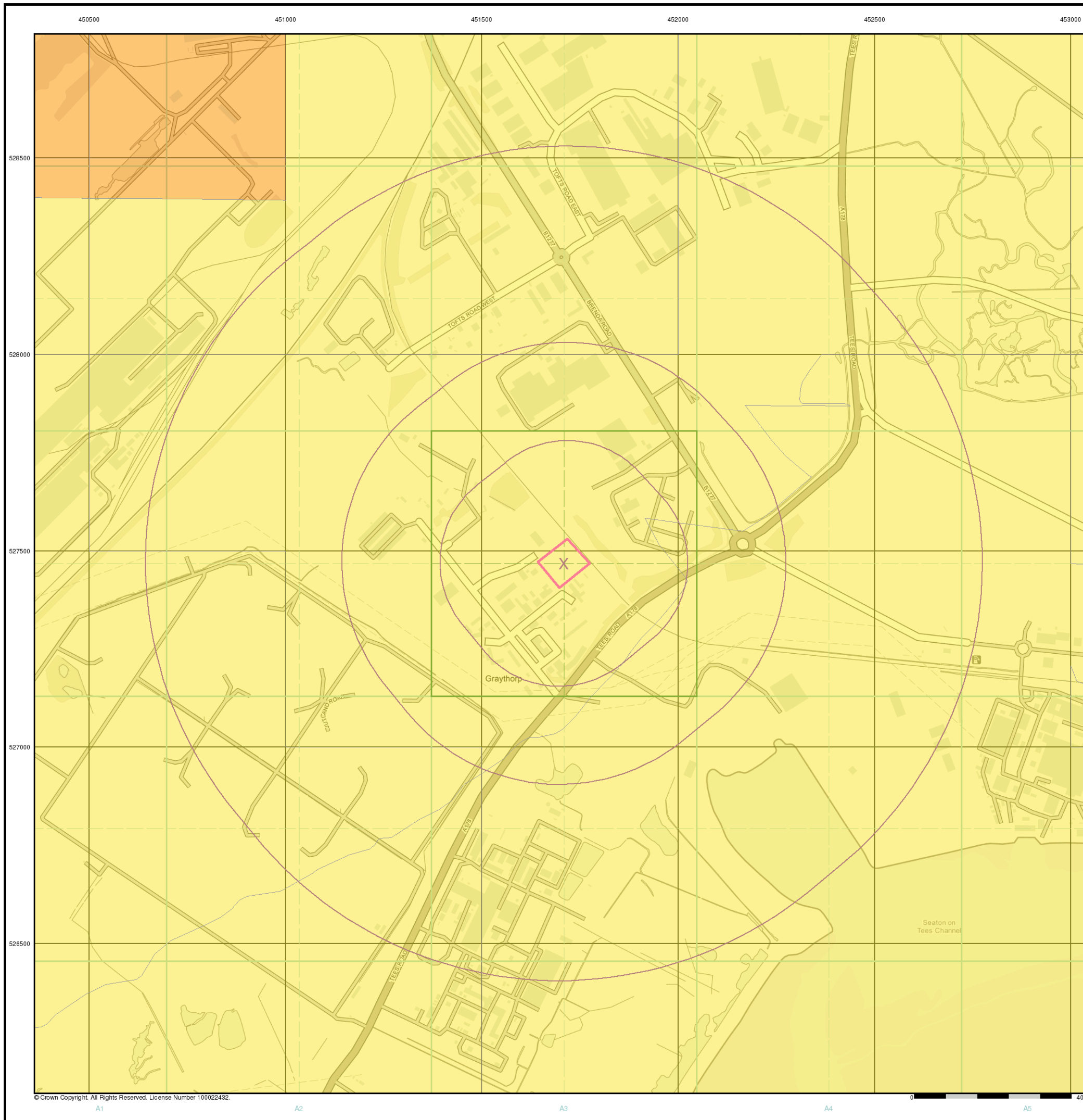


Order Details

Order Details: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 1000

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



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**
B.M. 325.9 **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 Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **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 **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

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. 231.60m 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

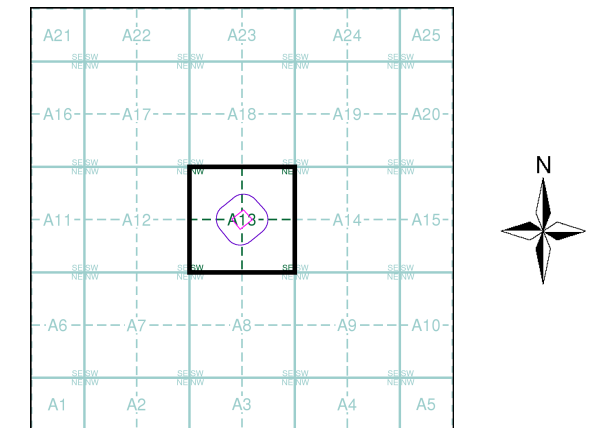
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:2,500	1857	2
Durham	1:2,500	1895	3
Durham	1:2,500	1897	4
Durham	1:2,500	1916 - 1918	5
Durham	1:2,500	1939	6
Ordnance Survey Plan	1:2,500	1968	7
Supply of Unpublished Survey Information	1:2,500	1973	8
Supply of Unpublished Survey Information	1:2,500	1975	9
Ordnance Survey Plan	1:2,500	1979 - 1982	10
Additional SIMs	1:2,500	1985	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1993 - 1994	13
Large-Scale National Grid Data	1:2,500	1994	14
Historical Aerial Photography	1:2,500	2000	15

Historical Map - Segment A13



Order Details

Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 100

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF

Landmark®
 LANDMARK INFORMATION GROUP

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

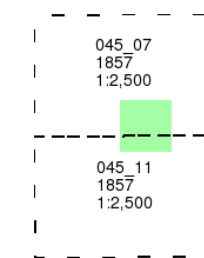
Durham

Published 1857

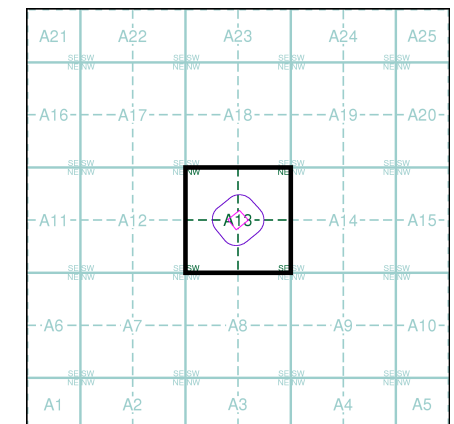
Source map scale - 1:2,500

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

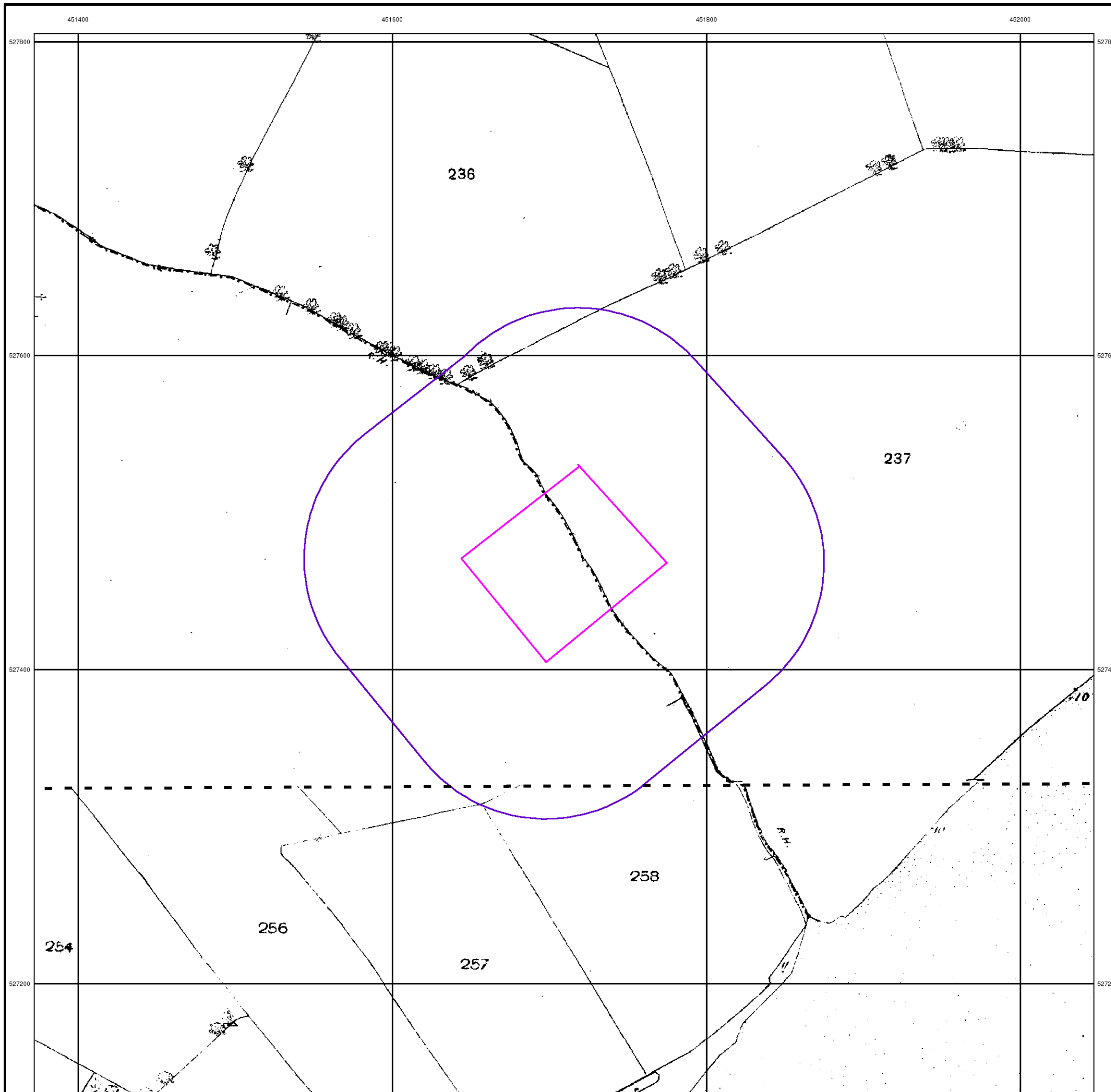


Order Details

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Site Area (Ha): 0.82
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Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



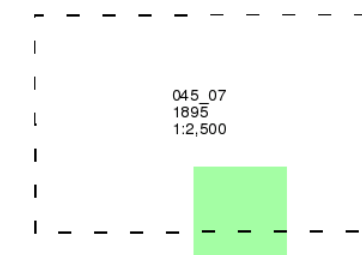
Durham

Published 1895

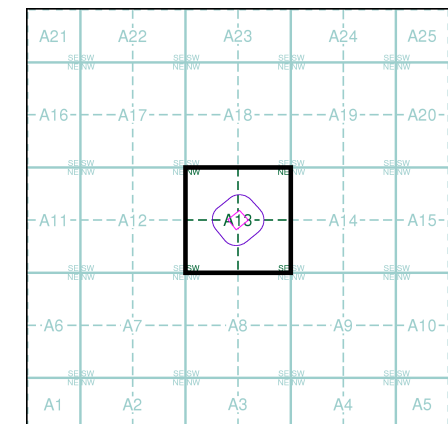
Source map scale - 1:2,500

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

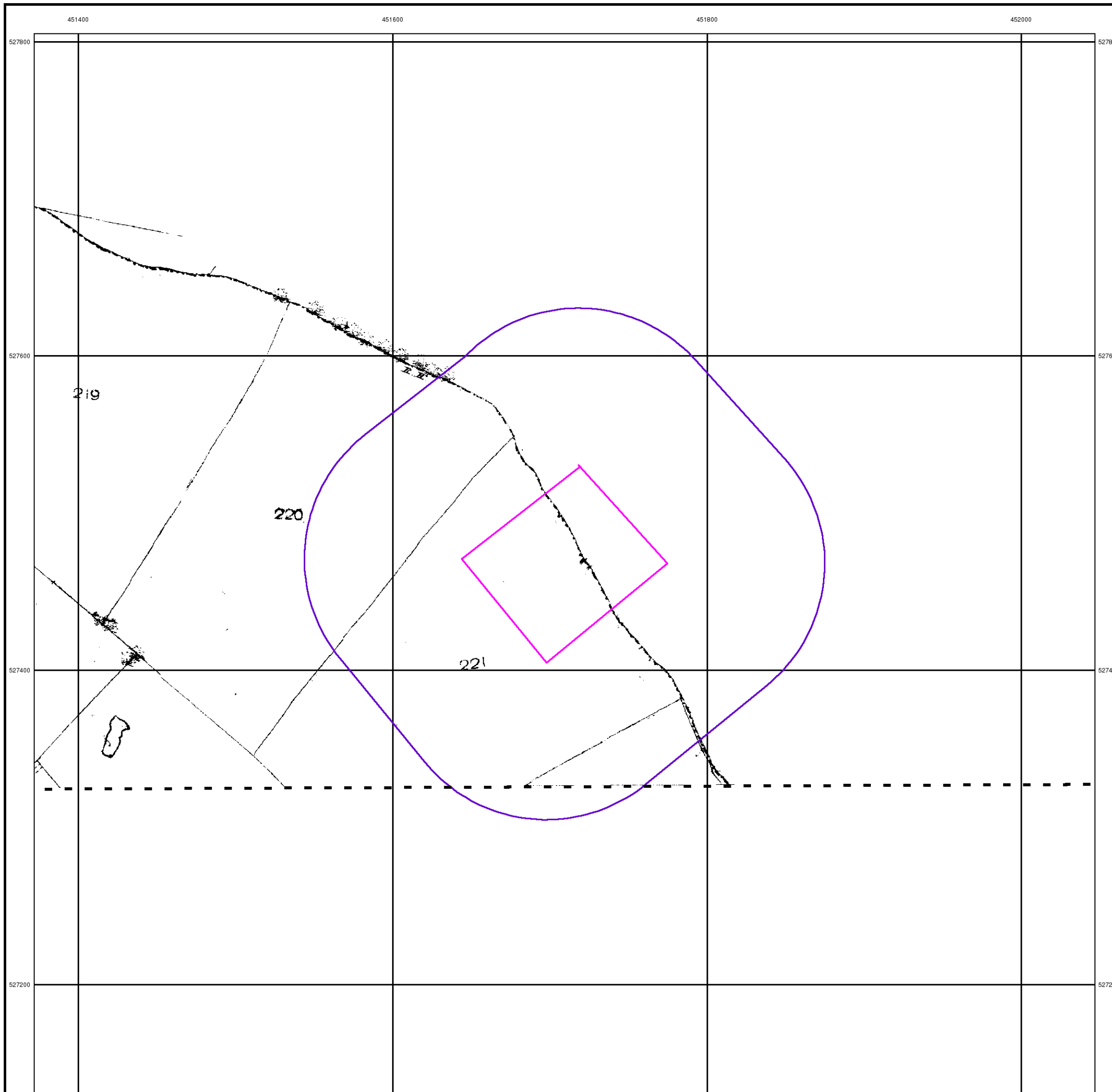


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Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



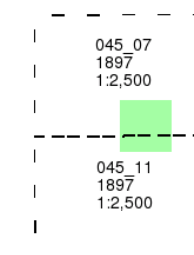
Durham

Published 1897

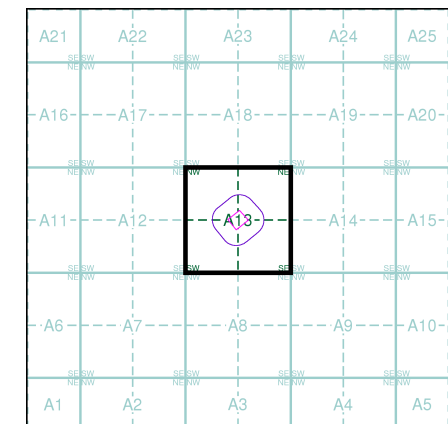
Source map scale - 1:2,500

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

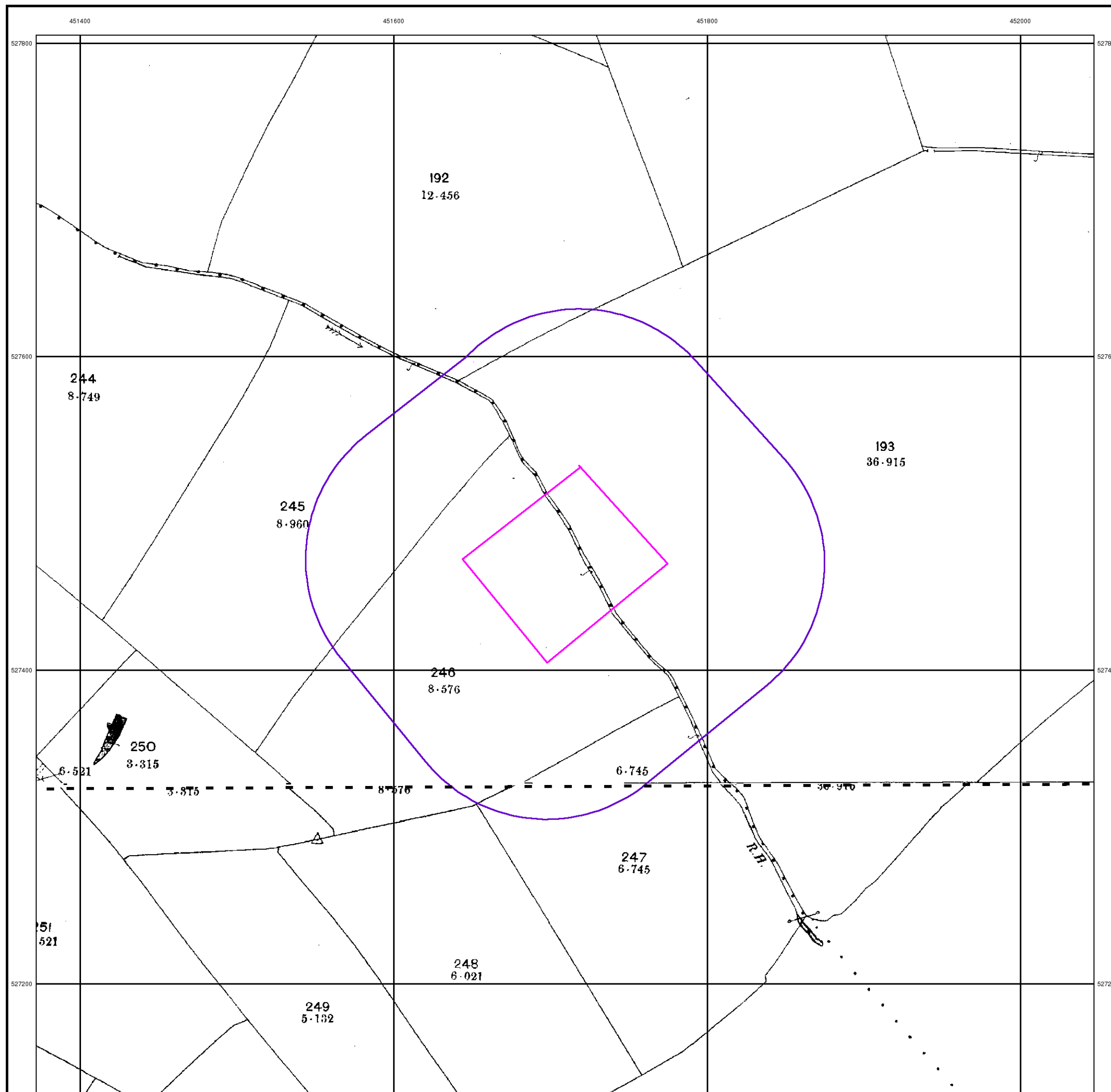


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 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 100

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



Durham

Published 1916 - 1918

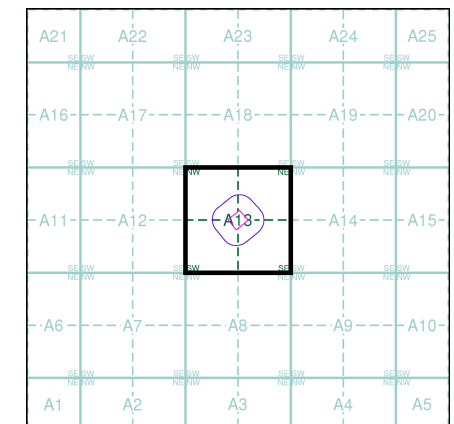
Source map scale - 1:2,500

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)

045_07	1918	1:2,500
045_11	1916	1:2,500

Historical Map - Segment A13

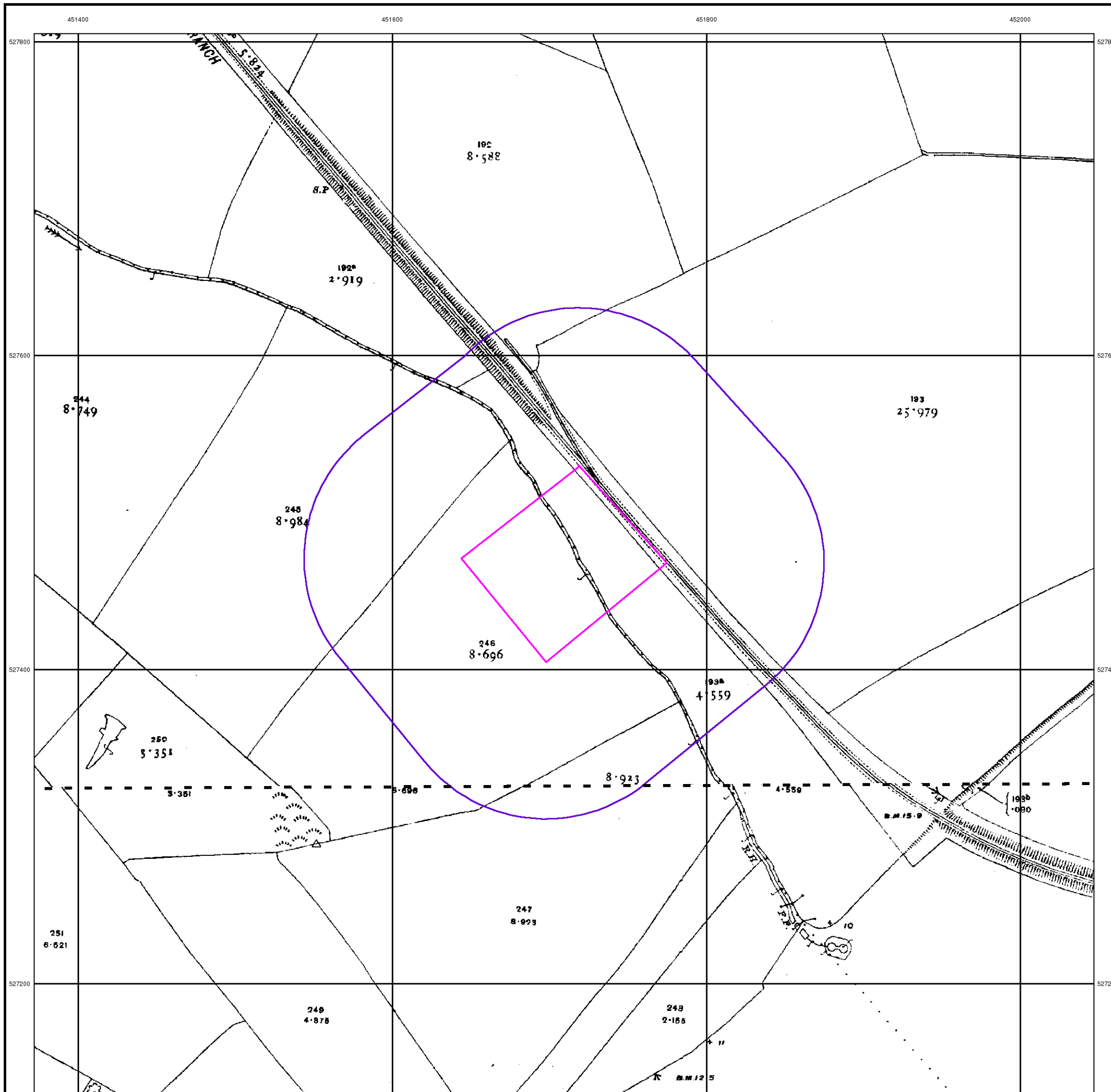


Order Details

Order Number: 312809668_1_1
 Customer Ref: CNC0623
 National Grid Reference: 451710, 527470
 Slice: A
 Site Area (Ha): 0.82
 Search Buffer (m): 100

Site Details

D S B Ltd, Unit 30, Graythorp Industrial Estate, HARTLEPOOL, TS25 2DF



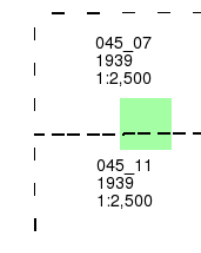
Durham

Published 1939

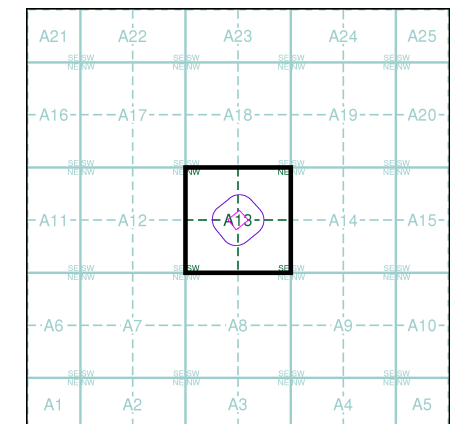
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Map Name(s) and Date(s)



Historical Map - Segment A13

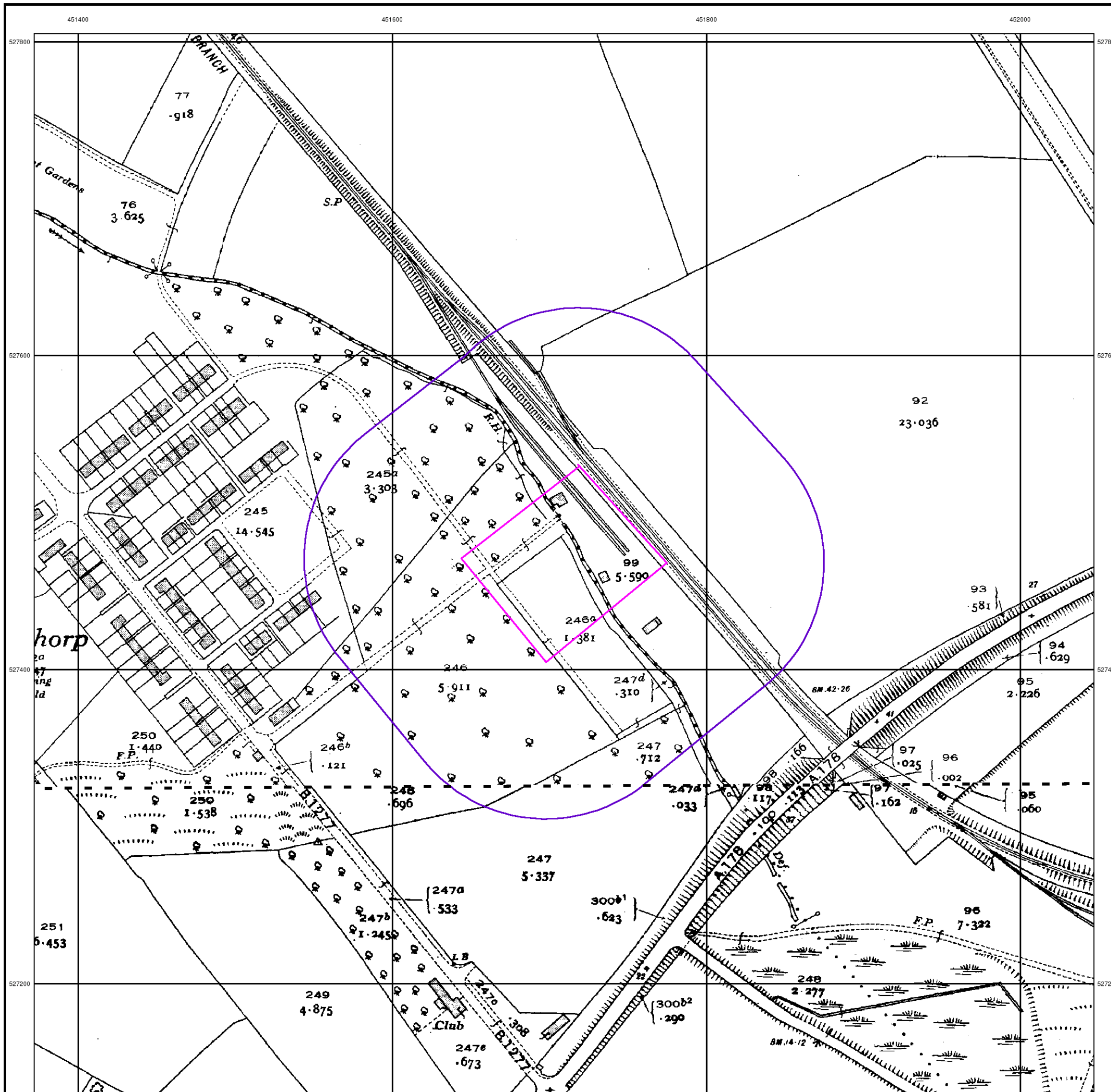


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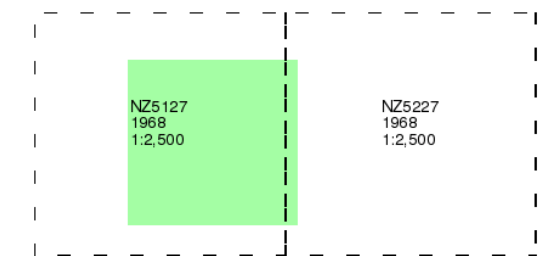
Ordnance Survey Plan

Published 1968

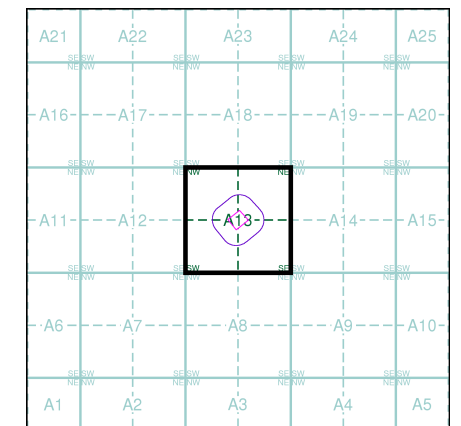
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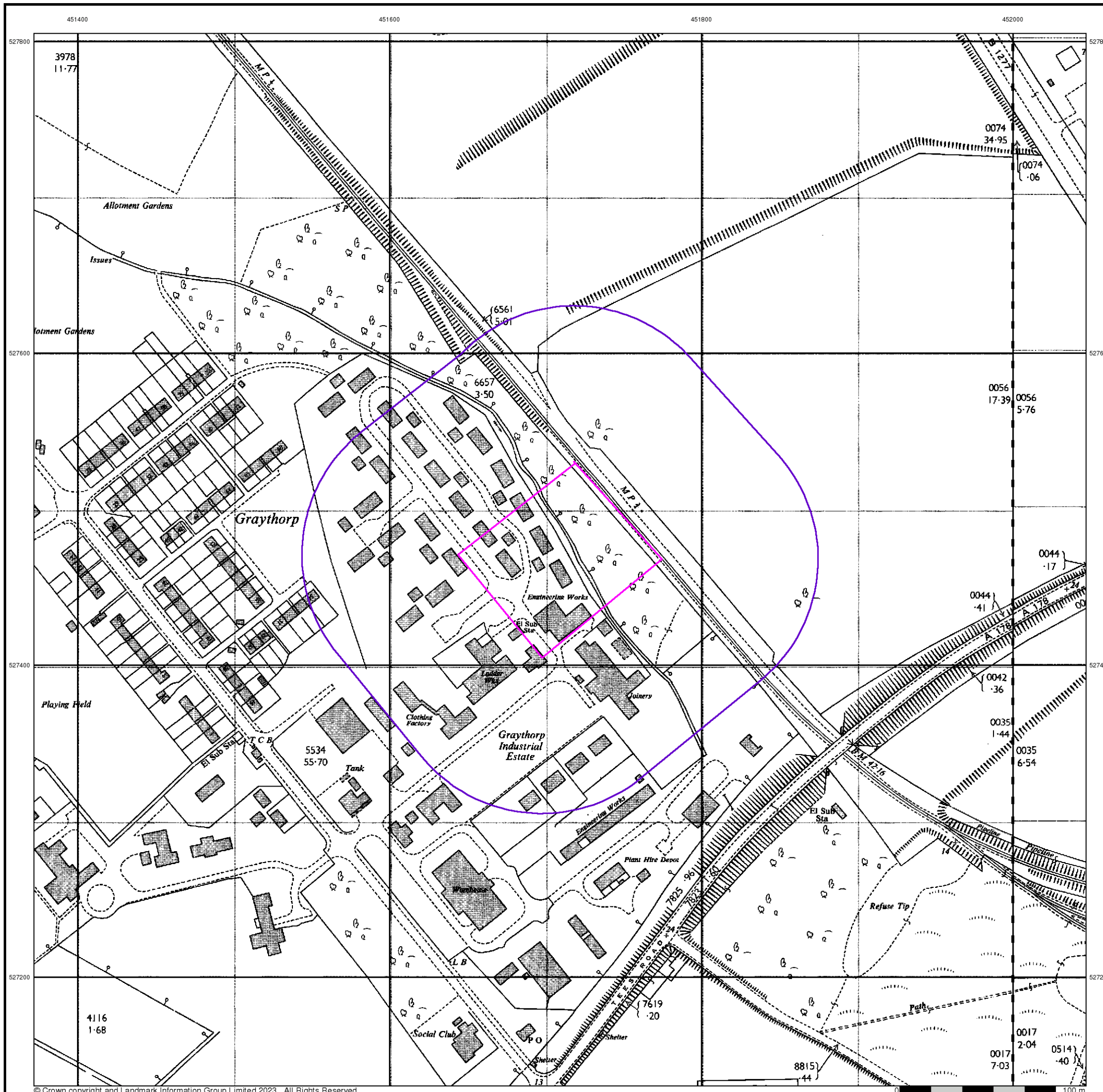


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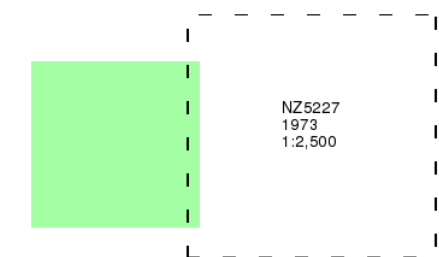
Supply of Unpublished Survey Information

Published 1973

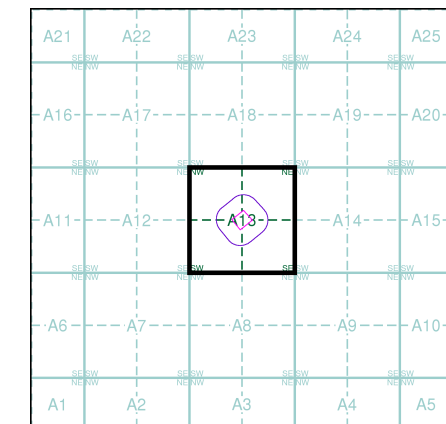
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

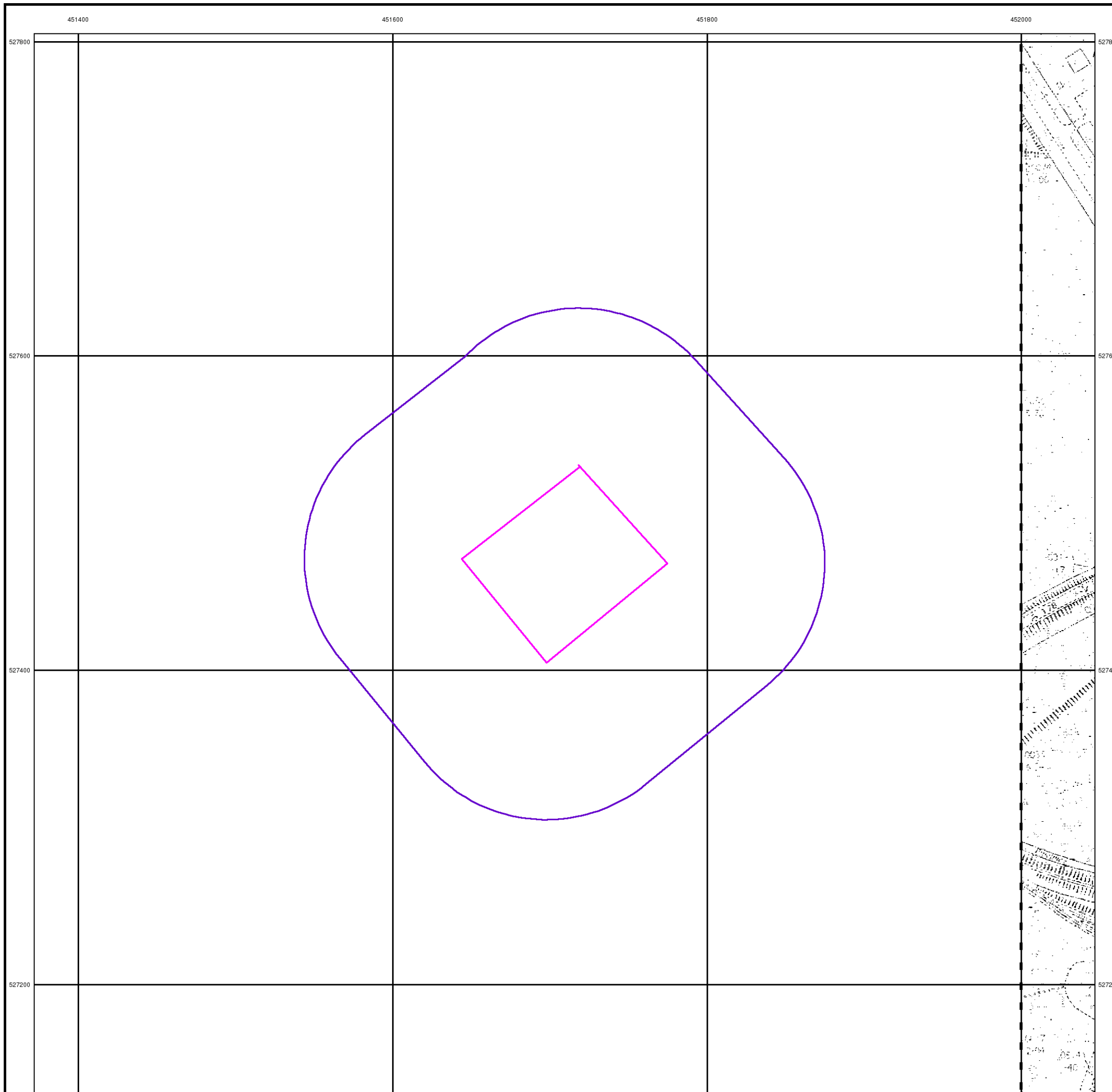


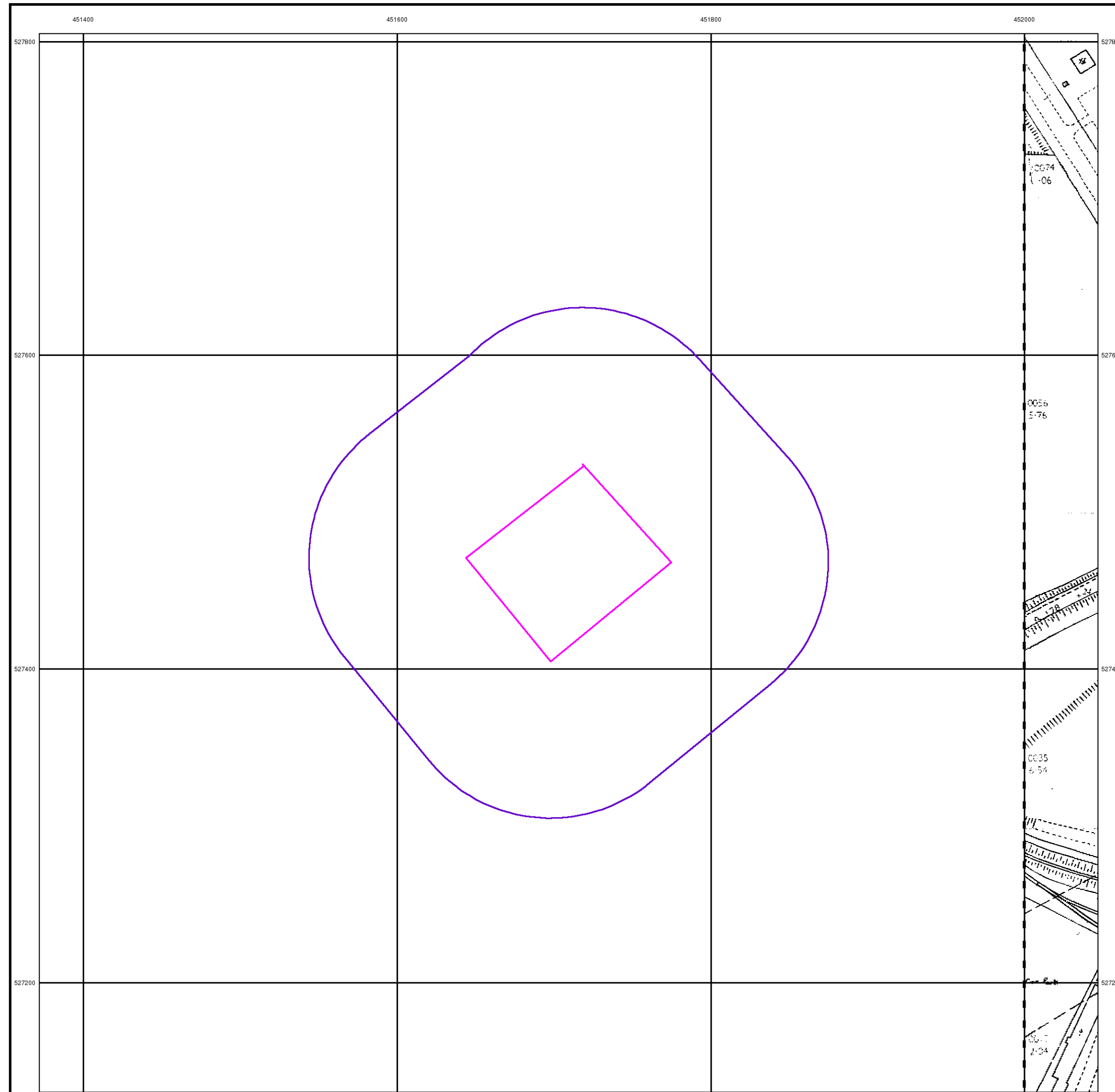
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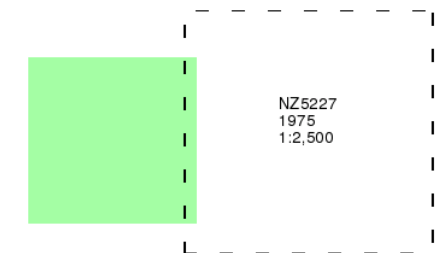
Supply of Unpublished Survey Information

Published 1975

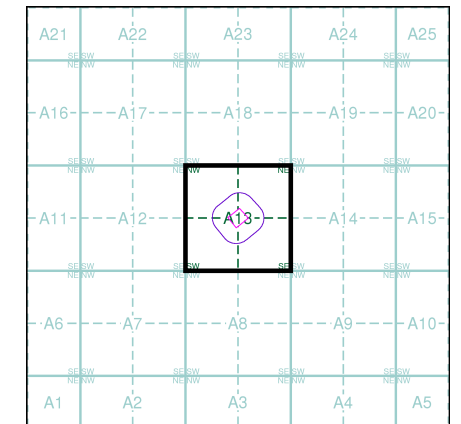
Source map scale - 1:2,500

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Historical Map - Segment A13

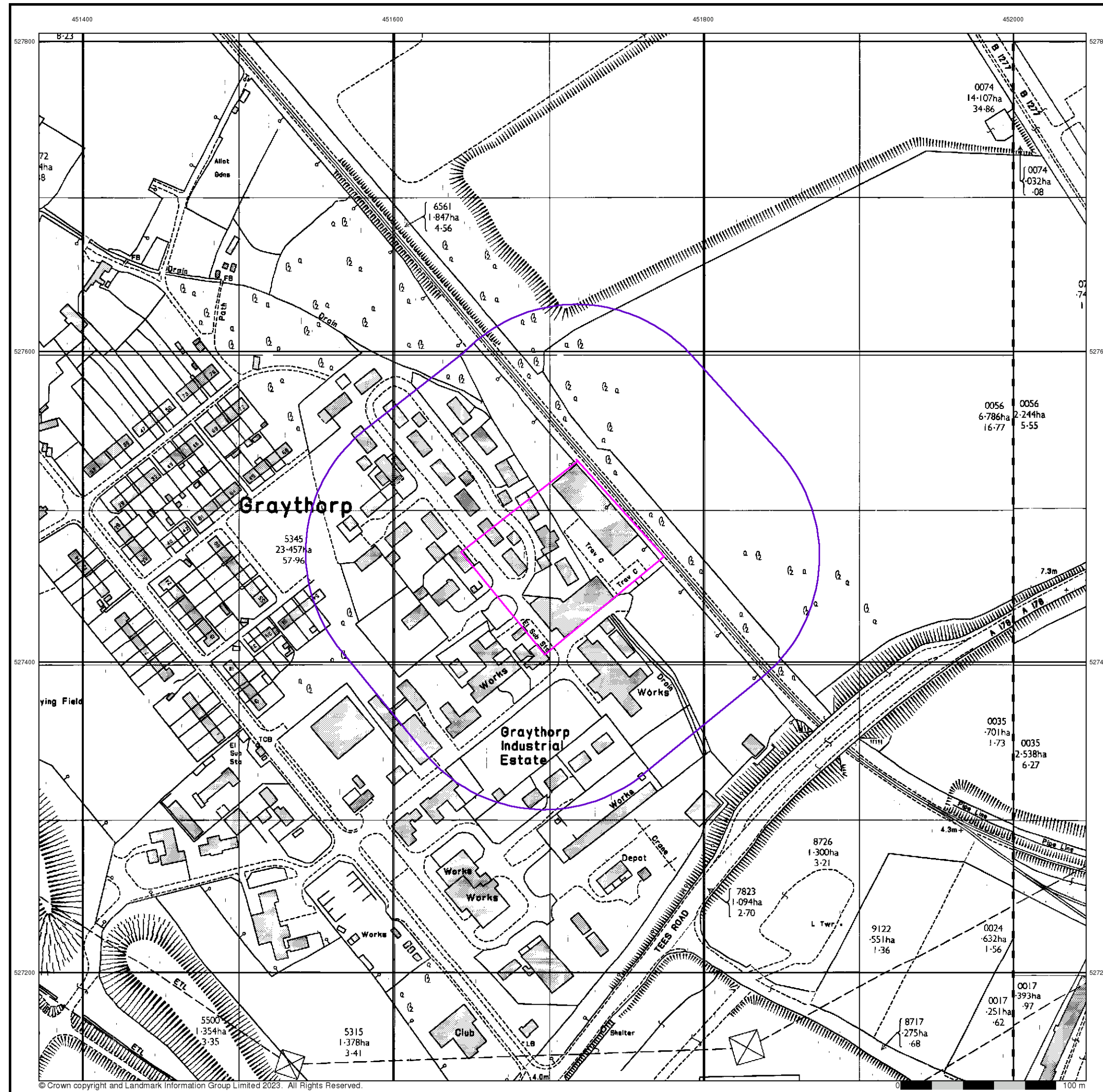


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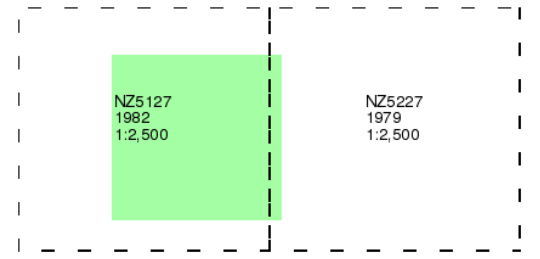
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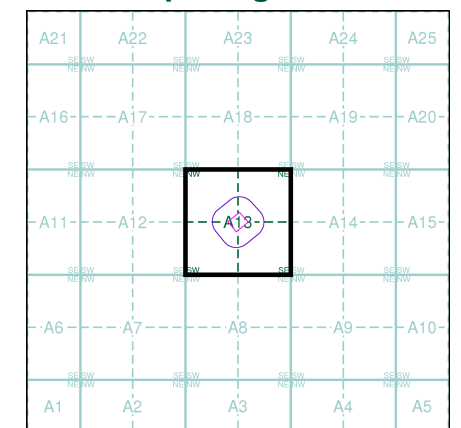
Ordnance Survey Plan
Published 1979 - 1982
Source map scale - 1:2,500

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

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Historical Map - Segment A13



Order Details

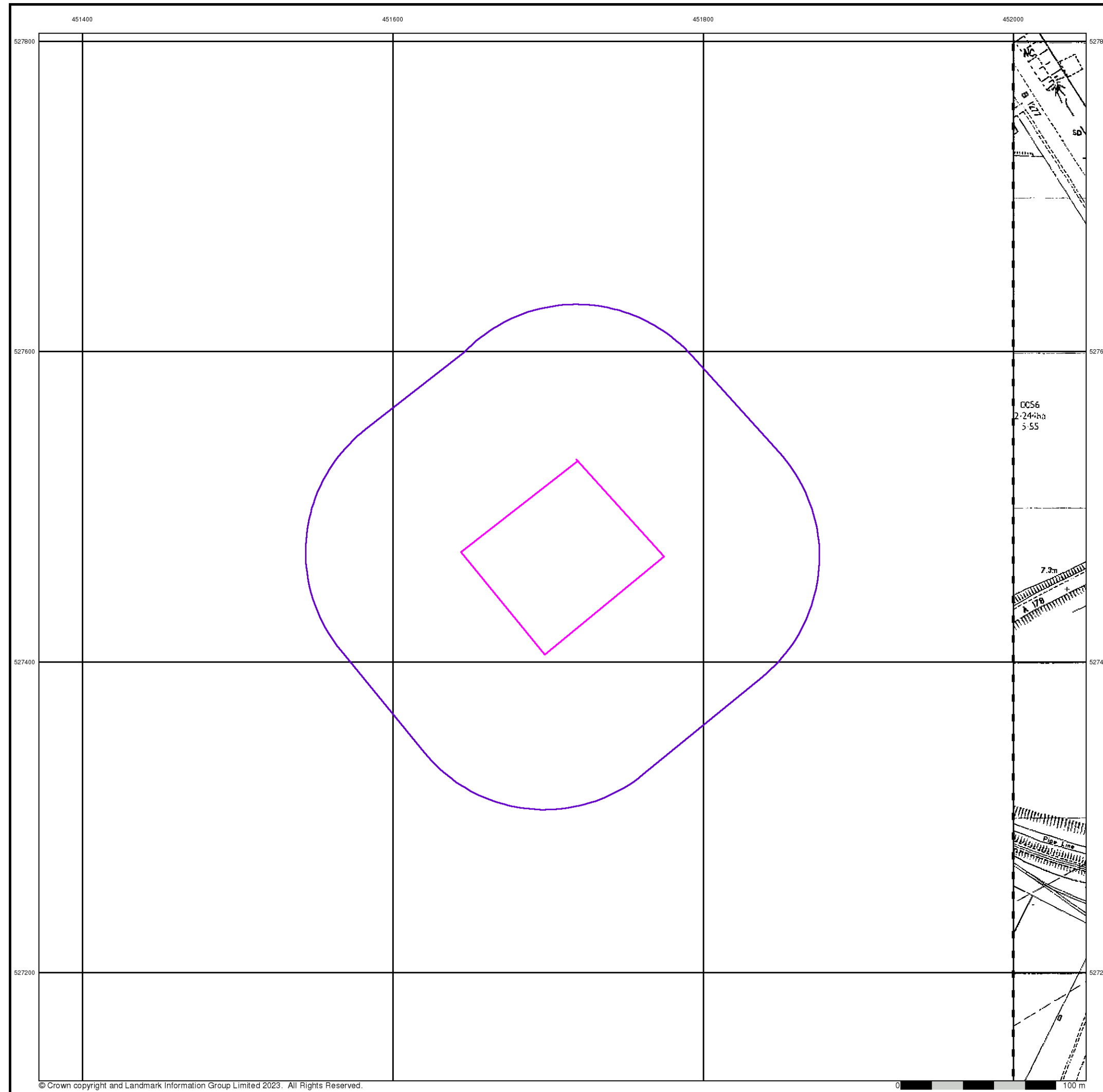
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 Slice: A
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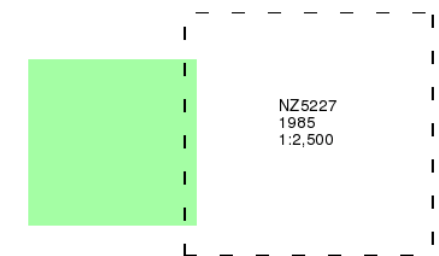
Additional SIMs

Published 1985

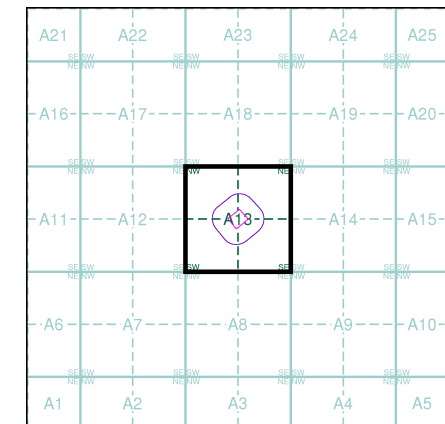
Source map scale - 1:2,500

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

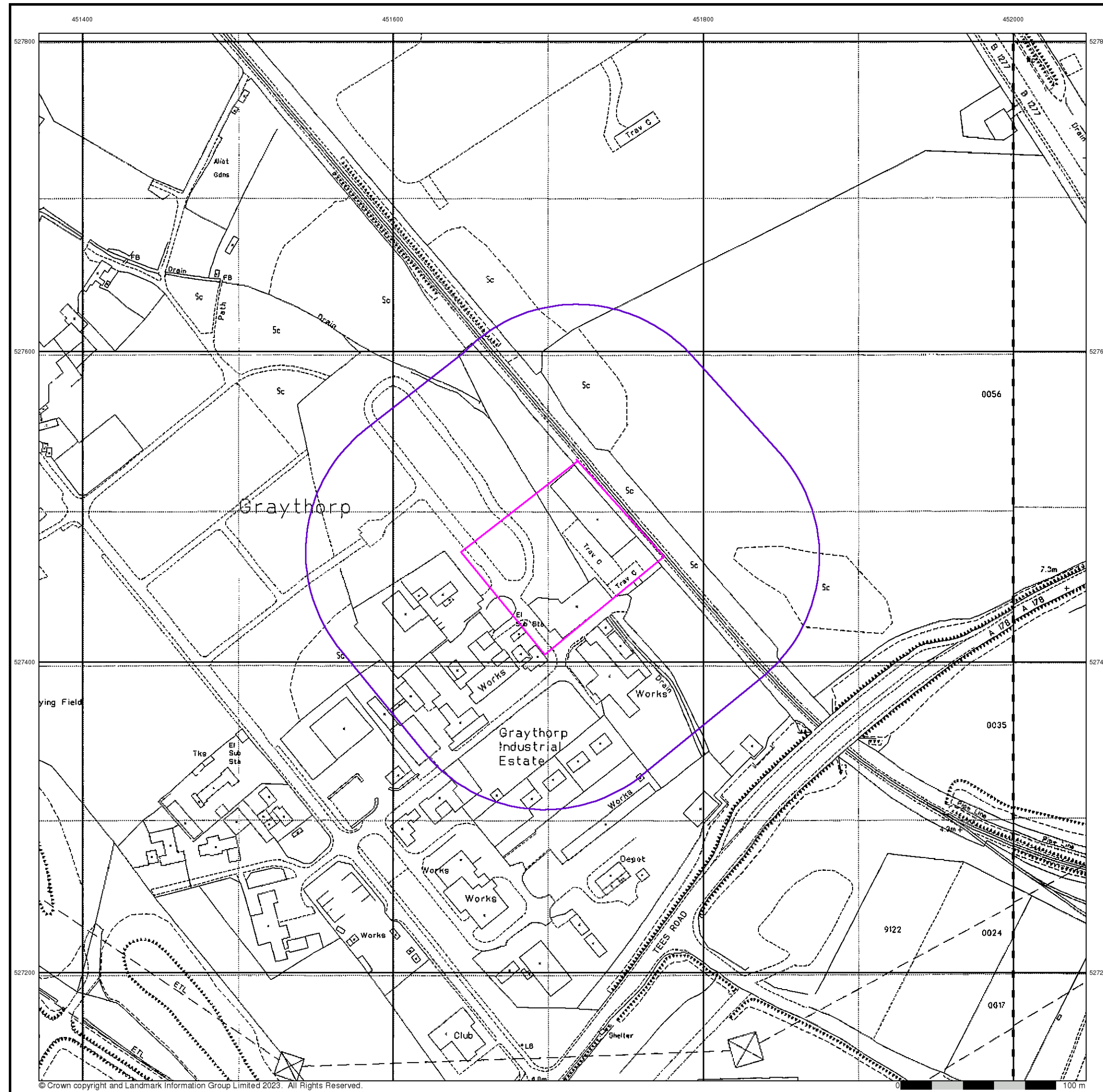


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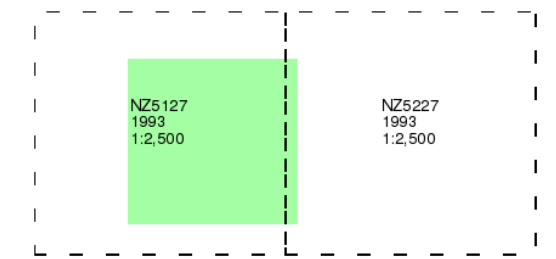
Large-Scale National Grid Data

Published 1993

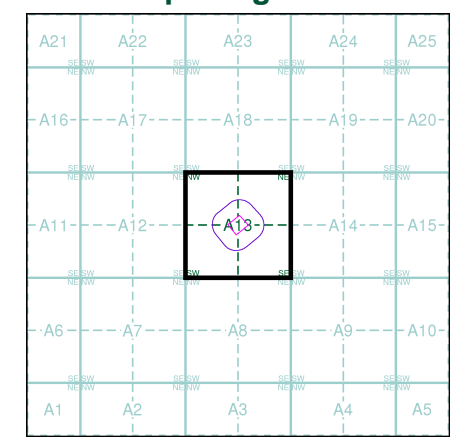
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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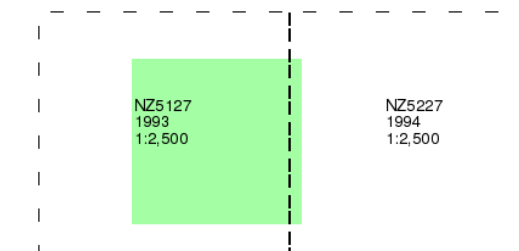
Large-Scale National Grid Data

Published 1993 - 1994

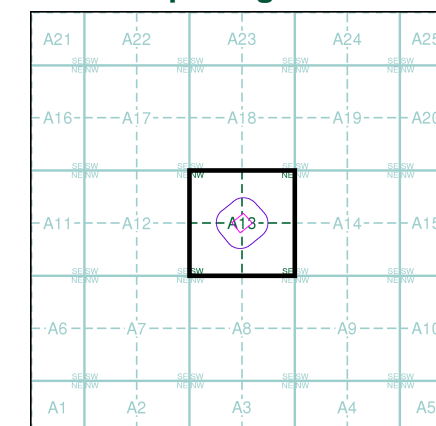
Source map scale - 1:2,500

'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.

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Historical Map - Segment A13

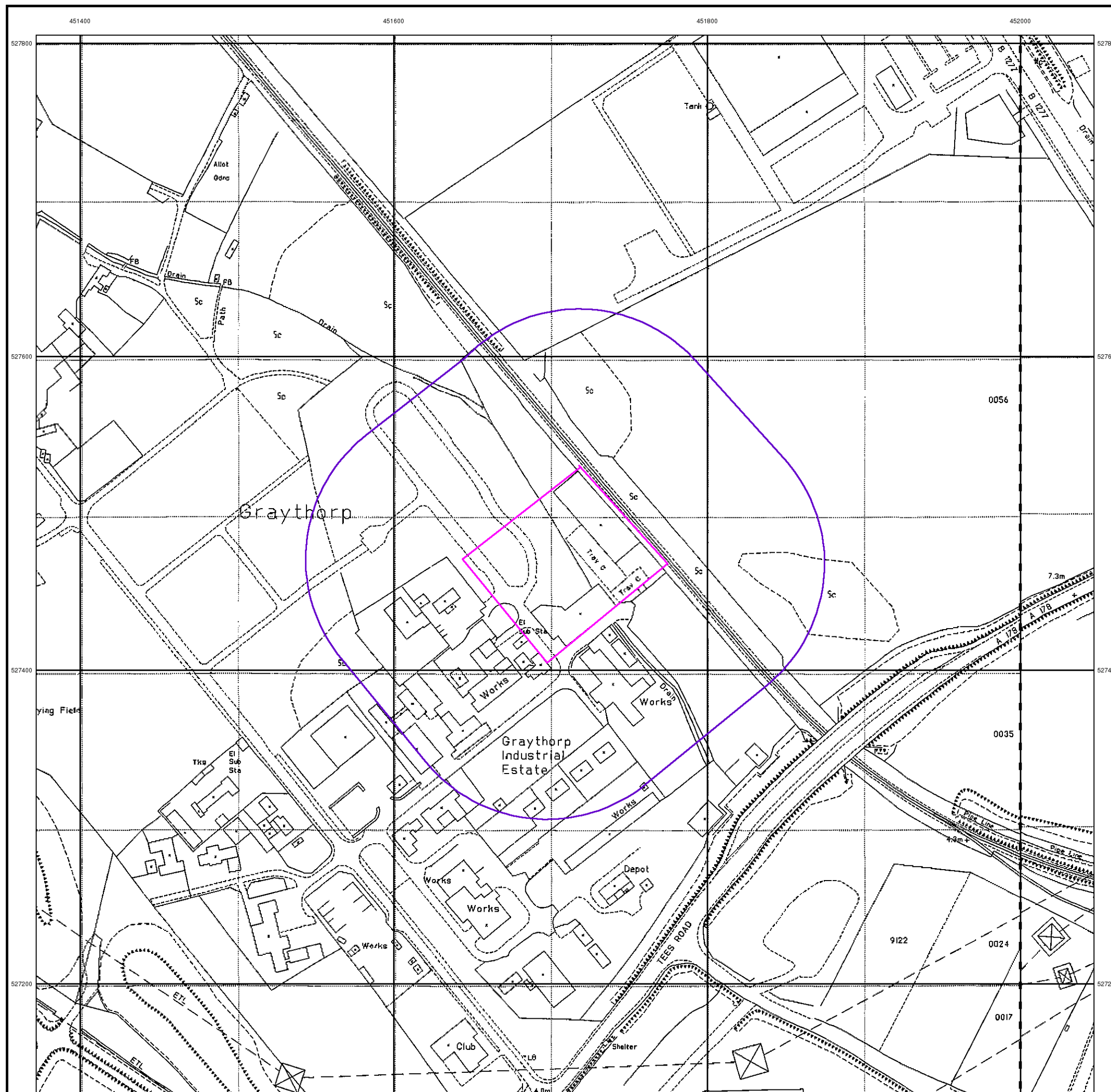


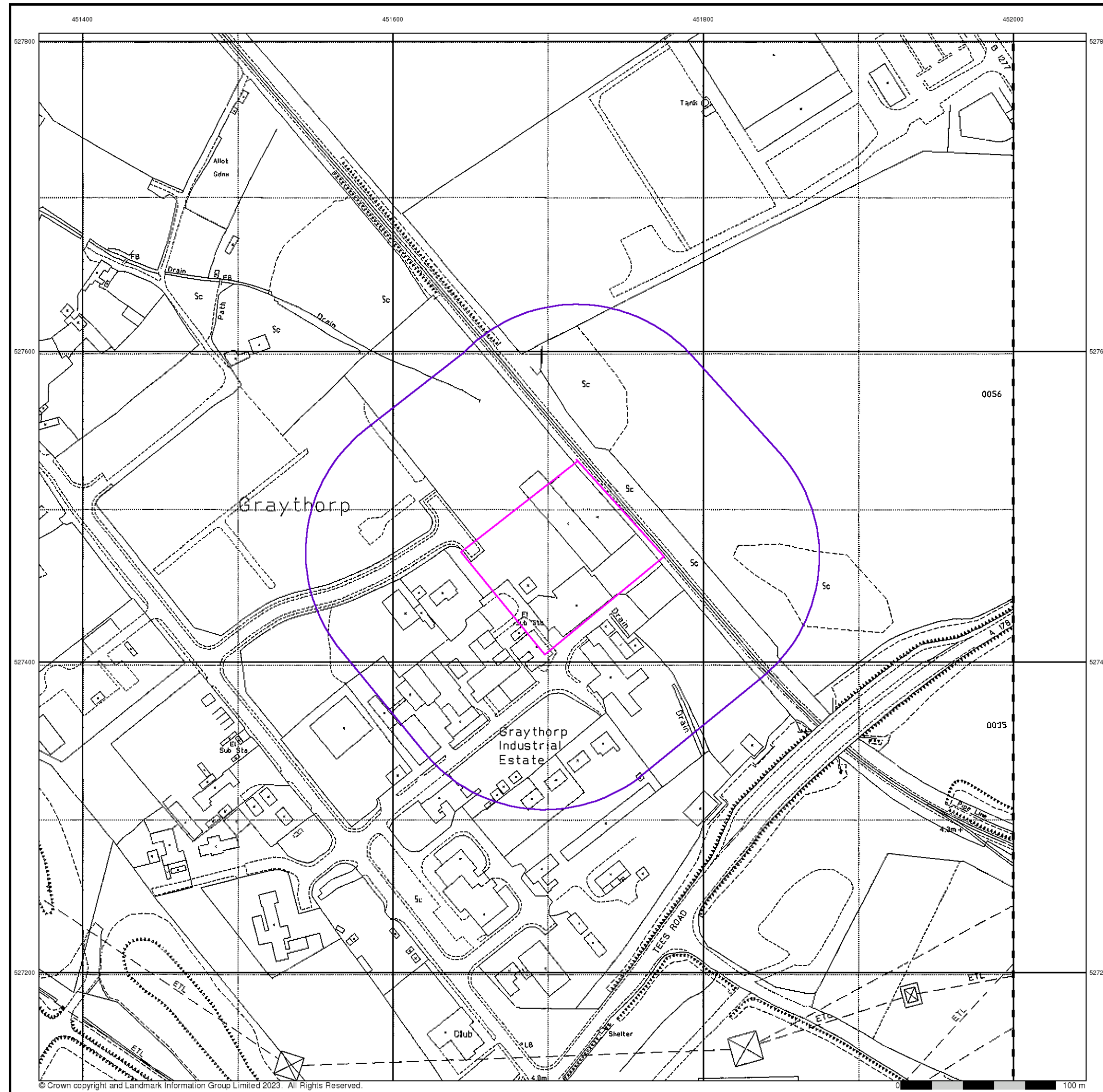
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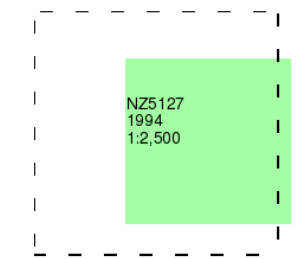
Large-Scale National Grid Data

Published 1994

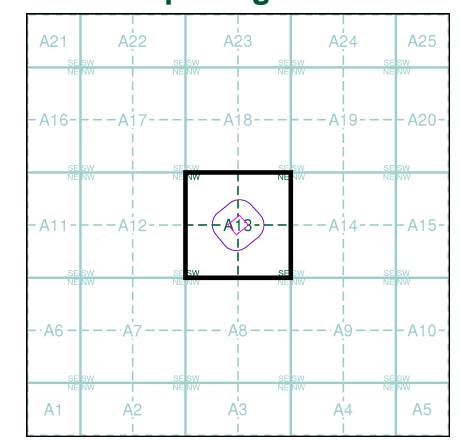
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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.

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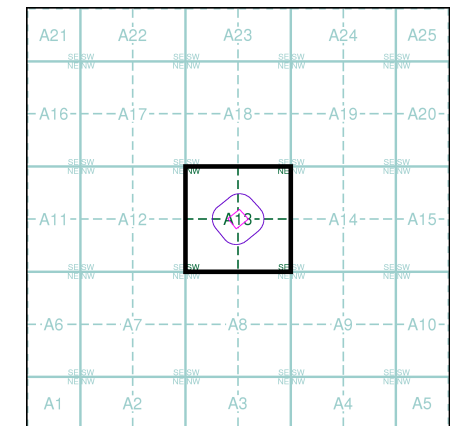
Historical Aerial Photography

Published 2000

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



Historical Aerial Photography - Segment A13



Order Details

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DUST AND EMISSIONS MANAGEMENT PLAN

CNC Recycling Limited
Unit 104-105
Greythorpe Industrial Estate
Hartlepool
TS25 2DF



VERSION NUMBER: V0.1 DRAFT

DATE: 01/06/2023

Issue and Revision Record

Revision	Date	Originator	Description of Changes
V.01	01/06/2023	K Dowling	Draft for Permit Application

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2. Operations at CNC

2.1 Waste Deliveries to CNC

2.2 Overview of Waste Processing, Dust, and other Emission Controls

2.3 Mobile Plant and Equipment

3. Dust and Particulate Management

3.1 Responsibility for Implementation of this Plan

3.2 Sources and Control of Fugitive Dust & Other Emissions

3.3 Enclosure of waste processing & storage areas

3.4 Visual Dust Monitoring

4. Particulate Matter Monitoring

4.1 Monitoring Location

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5. Actions when alarm is triggered

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Referenced Drawings

Drawing 003: Site Layout

Drawing 004: Site Receptor

Appendices

Appendix A: Dust Suppression Systems locations

Appendix B: Dust Complaint Form

Appendix C: External Monitoring Locations

Appendix D: Visual Monitoring Check Sheet

Appendix E: Housekeeping Schedule

1. Introduction

CNC Recycling Ltd has instructed Olive Compliance Ltd (OLIVE) to prepare an application for a Bespoke Environmental Permit Application under the Environmental Permitting (England and Wales) Regulations 2016.

This plan is designed specifically around site activities. Site operations will primarily be the acceptance, treatment and storage of UPVC window frames for recycling and recovery purposes.

CNC are a well-established facility for the recycling of plastic wastes arising from industrial, manufacturing commercial and household sources. Plastic is accepted, treated in the form of shredding and granulation then used in the manufacture of new UPVC products.

The environmental permit allows the operator to currently accept 74,999 tonnes of waste per annum.

The Site is located within the administrative boundary of Hartlepool Council.

There are no specific planning conditions in respect to the site.

A search was made the Defra website (see below link). <https://uk-air.defra.gov.uk/aqma>.

The area maps identify that the site does not lie within an Air Quality Management Area.

In the vicinity of the permitted site, potential emission sources comprise other industrial / commercial operations which have associated areas of unpaved / unsurfaced land and are therefore also a potential source of dust and will contribute to the ambient dust environment.

In undertaking these activities, the site will be limited to:

- Treatment consisting only of manual sorting, granulation, separation, chipping, screening, baling, shredding, crushing or compaction of waste into different components for recovery/disposal.

Without any abatement controls does the site have the potential for dust/emissions to be generated from the handling and storage of plastic waste materials externally.

1.1 Sensitive Receptors

The site is principally bounded by industrial/commercial premises, located in an established industrial estate, Greythorpe Industrial Estate.

The site location and environmental site setting is shown in Image 1.

A summary of the immediate environmental site setting is provided in Table 1 below.

Table 1- Surrounding Land Uses

Boundary	Description
North	Industrial / Commercial
West	Industrial / Commercial
South	Industrial / Commercial
East	Industrial / Commercial

Image 1 – Site location



Table 2 below identifies receptors that are potentially sensitive and could reasonably be affected by the site within 1km of the site boundary.

Table 2 – Sensitive Receptors

Receptor	Distance	Receptor Assessment
----------	----------	---------------------

Hartlepool power station cricket club	987m	Due to the proximity of site, there is a low risk of impact from site activities.
Hartlepool Power plant	999m	Due to the proximity of site, there is a low risk of impact from site activities.
Tees Road	177m	Due to the proximity of site, there is a low risk of impact from site activities.
Venator Chemical plant	686m	Due to the proximity of site, there is a low risk of impact from site activities.
Special Protection Area (pSPA or SPA) Teessmouth and Cleveland Coast	1000m	<ul style="list-style-type: none"> • Due to the proximity of site, there is a low risk of impact from site activities. • Surface water drainage systems are in place, runoff will be controlled via sealed drainage system. • An 6m dust canopy is installed along the treatment plant to act effective barrier and screen from site activities and any potential emissions. • The location of the receptor and prevailing wind direction means there is a low risk of dust settlement and impact on any potential wildlife habitats.
Ramsar Teessmouth and Cleveland Coast	1000m	<ul style="list-style-type: none"> • Due to the proximity of site, there is a low risk of impact from site activities. • Surface water

		<p>drainage systems are in place, runoff will be controlled via sealed drainage system.</p> <ul style="list-style-type: none"> An 6m dust canopy is installed along the treatment plant to act effective barrier and screen from site activities and any potential emissions. The location of the receptor and prevailing wind direction means there is a low risk of dust settlement and impact on any potential wildlife habitats.
<p>Teesmouth and Cleveland Coast Sites of Special Scientific Interest (SSSI)</p>	<p>1000m</p>	<ul style="list-style-type: none"> Due to the proximity of site, there is a low risk of impact from site activities. Surface water drainage systems are in place, runoff will be controlled via sealed drainage system. An 6m dust canopy is installed along the treatment plant to act effective barrier and screen from site activities and any potential emissions. The location of the receptor and prevailing wind direction means there is a low risk of dust settlement and impact on any potential wildlife habitats.

<p>Local Wildlife Sites (LWS) Brenda Road Sewage Works</p>	<p>1000m</p>	<ul style="list-style-type: none"> • Due to the proximity of site, there is a low risk of impact from site activities. • Surface water drainage systems are in place, runoff will be controlled via sealed drainage system. • An 6m dust canopy is installed along the treatment plant to act effective barrier and screen from site activities and any potential emissions. • The location of the receptor and prevailing wind direction means there is a low risk of dust settlement and impact on any potential wildlife habitats.
<p>Receptor</p>	<p>Distance</p>	<p>Receptor Assessment</p>
<p>Hartlepool power station cricket club</p>	<p>987m</p>	<p>Due to the proximity of site, there is a low risk of impact from site activities.</p>
<p>Hartlepool Power plant</p>	<p>999m</p>	<p>Due to the proximity of site, there is a low risk of impact from site activities.</p>
<p>Tees Road</p>	<p>177m</p>	<p>Due to the proximity of site, there is a low risk of impact from site activities.</p>
<p>Venator Chemical plant</p>	<p>686m</p>	<p>Due to the proximity of site, there is a low risk of impact from site activities.</p>
<p>Special Protection Area (pSPA or SPA) Teesmouth and Cleveland Coast</p>	<p>1000m</p>	<ul style="list-style-type: none"> • Due to the proximity of site, there is a low risk of impact from site activities.

		<ul style="list-style-type: none"> • Surface water drainage systems are in place, runoff will be controlled via sealed drainage system. • An 6m dust canopy is installed along the treatment plant to act effective barrier and screen from site activities and any potential emissions. • The location of the receptor and prevailing wind direction means there is a low risk of dust settlement and impact on any potential wildlife habitats.
<p>Ramsar Teesmouth and Cleveland Coast</p>	<p>1000m</p>	<ul style="list-style-type: none"> • Due to the proximity of site, there is a low risk of impact from site activities. • Surface water drainage systems are in place, runoff will be controlled via sealed drainage system. • An 6m dust canopy is installed along the treatment plant to act effective barrier and screen from site activities and any potential emissions. • The location of the receptor and prevailing wind direction means there is a low risk of dust settlement and impact on any potential wildlife habitats.

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The nearest residential receptor is located over 2km from the site. Based on the risk assessment and control measures implemented on site it is not felt that the site will impact these potentially sensitive receptors.

1.2 Weather Conditions

The prevailing wind direction in the area, where the site is located, is West – South - Westerly¹.

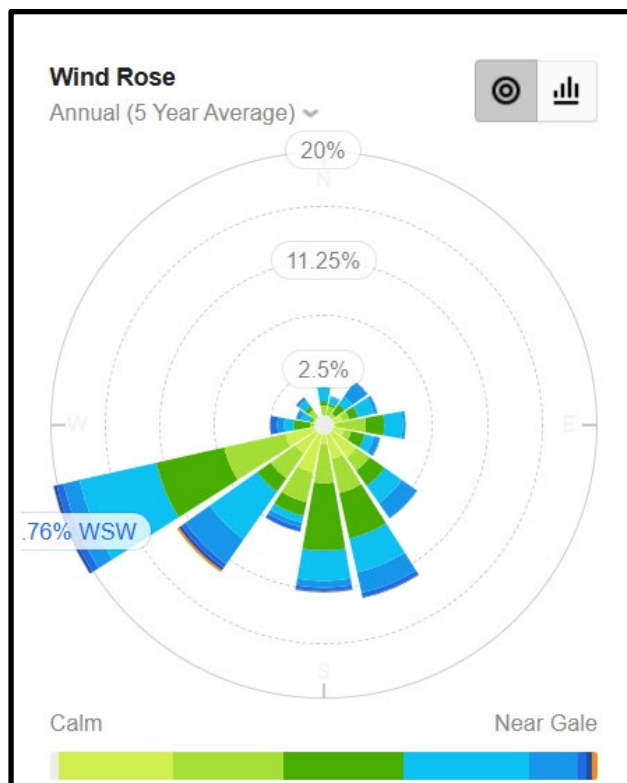
This identifies that noise impact could predominantly effect receptors located east north east of the site.

Wind direction and speed will determine the distribution of dust. Continuous monitoring of the prevailing weather conditions through the use of an on-site weather windsock and will be recorded as part of the site’s management procedures.

Daily monitoring of weather by the Site Manager and nominated staff is also conducted and recorded in the site diary , to constantly assess wind direction, its strength and changes over the working day.

The internal nature of the unloading, storage and processing of wastes, results in the weather conditions can have an impact on this aspect of the sites operations.

Image 2 – Wind Direction Average 5 year data - Seaton on Tees Channel



¹ [Weather Forecast - United Kingdom - WillyWeather](#) accessed June 2023

Table 3 - Sources of Dust and/or other Emissions

The below are the permitted facilities carrying out various waste activities surrounding and within 1km of the CNC site.

Name	Distance (km)	Address
Ian Hindle	0.1	Unit 12, Graythorpe Industrial Est., Hartlepool, Cleveland, TS25 2DF
GEE DEE CLEANSING LIMITED	0.1	Unit 1, Graythorpe Industrial Estate, Graythorpe, Cleveland, TS25 2DF
Gary Cuskern	0.2	77 Graythorpe Industrial Estate Road, Graythorpe Industrial Estate R, Hartlepool, Cleveland, TS25 2DF
NIRAMAX GROUP LIMITED	0.9	6-8 Tofts Farm, Tofts Road West, Tofts Farm Ind Est, Hartlepool, Cleveland, TS25 2BQ
ABLE UK LIMITED	0.9	Graythorpe Dock, Graythorpe Dock, Hartlepool, Cleveland, TS25 2DB
Sara Randall	1km	Joe's Skips, Brenda Road, Hartlepool, Cleveland, TS25 2BW
EDF ENERGY NUCLEAR GENERATION LIMITED	0.6	Hartlepool Power Station, Hartlepool Power Station EPR/BM4295IK, Tees Road, Hartlepool, Hartlepool, Cleveland, TS25 2BZ
ALAB ENVIRONMENTAL SERVICES LIMITED	0.7	Tofts Farm Industrial Estate E, SEATON MEADOWS, Brenda Road, Hartlepool, Cleveland, TS25 2BS

Exemptions

There are currently 3 waste exemption operations registered within 1k of the site are listed below in Table 4. These exemptions may also give rise to dust and emissions from their activities.

Table 4 – Registered exemptions

Name	Distance from site (km)	Address
ECO Mortar Ltd	0	88, GRAYTHORP INDUSTRIAL ESTATE, HARTLEPOOL, TS25 2DF
Paul Beard	0.1	GREYTHORP WORKSHOPS, PAULS YARD, TS252DS, TS252DS
VENATOR MATERIALS PLC	0.8	TITANIUM HOUSE, HANZARD DRIVE, WYNYARD BUSINESS PARK, WYNYARD, BILLINGHAM, TS22 5FD

Other Sources

For both potential dust soiling effects and vehicle emissions on people and property and human health impacts, industry guidance (IAQM) states that beyond 350m from the source, significant impacts are unlikely to occur as a direct result of site operations.

Pollution comes from many sources. Traffic both on local roads and roads outside the borough are the main source of NOx. Although a significant proportion of particulate pollution arises also from traffic.

Consideration must also be given to other local activities which may result in the potential source of pollution.

As previously mentioned in the introduction of this plan, the site is in a predominantly industrial location with a high traffic throughput.

Listed below are the other identified potential sources of dust which should be considered should a compliant be received all within 1km of the site.

- Road Link /Transport
- Rail Links
- Agricultural Activities
- Other waste facilities

There are no other known specific contributors of dust other than the above highlighted sectors and activities.

2. Operations at CNC Recycling Ltd

Day	Operational Hours
Monday – Friday	07:00 – 17:00hrs
Saturday	07:00 – 13:00hrs
Sunday/Bank Holidays	CLOSED

2.1 Waste Deliveries

Waste is delivered in either containers, skips, HGVs and walking floors.

Vehicles carrying waste must be covered or with loads secured both when incoming and outgoing. This prevents the escape of debris, dust and particulates from vehicles as they travel which could impact both on and off-site receptors.

These rules are identified clearly in the site management system and site rules and implemented as an appropriate measure. All customers are audited before contracts are agreed, where site rules are reinforced and agreed with clients. Any third-party vehicle drivers provided with an initial site induction cover these instructions on how to report any potentially dusty loads before deposit.

As the site supplies an industry process, a constant supply of material is required to be produced and removed off site. This outlet prevents the risk of waste build up while also reducing the risk of waste becoming dry and dusty pre and post treatment.

In order to achieve good stock rotation and ensure the implementation of the “first in-first out” principle.

Waste will be accepted onto site and stored in the appropriate bay. Wastes are then moved in small stockpiles next to the shredder and plant for processing.

After processing wastes are then stored in the appropriate bay awaiting removal.

2.2 Overview of Waste Processing, Dust, and Other Emission Controls

Drawing 003 shows the layout of the site including the below.

- External storage areas
- Fixed plant
- Loading areas
- Canopy
- Drainage

All site surfaces are concreted with a sealed drainage system in place.

The site does not have any fans, pressure systems or generators in use on site.

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The site has fixed infrastructure is designed to prevent dust and particulate emissions.

Bays

To contain UPVC wastes from external elements and containment of dust during handling, movement and loading.

Canopy's

Fixed plant has covered conveyors to reduce the risk of dust or emissions from the treatment process and a fixed dust canopy to continue and airborne debris directly arising from the treatment and sorting process.

Water Bowser and Canon

These can be activated from height to spray onto waste piles to reduce any suspended dust when wastes are tipped, stored or loaded. The canon will be installed as a fixed measure over the shredder and the bowser is mobile used externally along the individual bay walls.

Water based systems are mobile to cover all waste storage areas.

2.3 Mobile Plant and Equipment.

Nitrogen Dioxide gas is a by-product of internal combustion engines, and the site uses several items of plant with internal combustion engines. The following table lists the type, mobile and emission ratings for the mobile plant and equipment used on site.

Description	Make	Model	Emission Rating
Excavator 360	N/A	To be sourced upon permit issue	TBC
Loading Shovel	N/A	To be sourced upon permit issue	TBC
Granulator	N/A		
Screener	N/A		
Road sweeper attachment	N/A		

2.3.1 Plant maintenance and replacement

All plant and equipment are owned by CNC. The company have a buying policy to consider noise and emissions of all new plant due for renewal / replacement.

All plant and equipment will be subject to daily inspections and usual checks to ensure that all dust controls are effective. Monitoring will also take place during activities which could give rise to noise emissions specifically unloading, processing and loading of materials onto vehicles.

The company also has a Site, Plant and Equipment Maintenance Programme. All plant and equipment are maintained in line with manufacturers guidelines and instruction.

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2.3.2 Monitoring of plant usage and controls

The use of the shredder is recorded, with the start-up time and shredder usage is automatically recorded, and reports produced for management and waste processing information. This also allows for accurate monitoring of the shredder and use on site for investigation and nuisance also.

The company also have a no idling policy to reduce fugitive emissions such as noise and dust from onsite plant and third-party vehicles on site.

3. Dust and Particulate (PM₁₀) Management

It is recognised that some of the activities carried out on site have the potential for the fugitive emissions of dust. The following sections of the Dust Management Plan detail how dust emissions are mitigated on site.

3.1 Monitoring

Regular site inspections of stored wastes and infrastructure are undertaken at the beginning of the working day and records are kept in the site diary by the Site Manager or nominated representative.

The inspections shall include the following aspects that directly relate to dust and emissions management.

- Condition of waste in bays – waste material checks ensure that wastes are in good condition and have not degraded causing dust/debris;
- Volume of waste in bays – to ensure that bay storage limits are not exceeded;
- Condition of impermeable areas – easy to be kept clean and action remedial action;
- Condition of bay walls – to ensure bays remain fit for purpose and control wastes;
- Evidence of dust/fluff build up on surfaces – to implement cleaning procedure and the potential risk of dust/debris arising from waste handling;
- Evidence of dust/fluff build up on mobile plant – to minimise potential risk of dust and debris arising during plant movement;
- Condition of perimeter fencing – to ensure fencing is fit for purpose to prevent any potential windblown litter is controlled prior to site clearance;
- Weather conditions and wind direction/strength;
- Condition of dust control measure and dust suppression systems are working.

3.1.1 Monitoring Schedule

The below table (Table 5) shows the frequency and types of dust emission monitoring conducted by the site.

Table 5 – Site Monitoring Schedule

Technique	Frequency
Visual Monitoring /	Daily recorded at site perimeter and constant visual monitoring of wastes and stockpiles Dust detection will lead to receptor monitoring Increase frequency in response to complaints
Quarterly Monitoring	Dust monitoring is carried out quarterly by External Party
Complaints System	Continuous (24 hours) via telephone reporting system to Environment Agency Direct complaints to site in operational hours

3.2 Responsibility for Implementation of the DEMP

The Site Manager is responsible for the DEMP and making sure that the site is compliant at all times. A nominated trained operative will also support the Site manager in his absence or to take on specific responsibilities.

The technically competent site management team will provide formal training to ensure all site staff are aware of the DEMP. Each staff member will receive refresher training on the DEMP annually with quarterly toolbox talks.

The DEMP is 'live' and will be reviewed at least annually and after any environmental incidents, significant change to the site activities, or at the request of the Environment Agency (EA).

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3.3 Sources and Control of Fugitive Dust/Particulate Emissions

The information below details the potential sources of fugitive dust / particulate emissions from the site.

- ***Vehicles entering and / or leaving the site with mud and debris on wheels and tracking dust on to or off the site***

Prior to leaving the site, vehicle wheels will be checked for dust and washed if required.

The site is fully covered by concrete hard standing which is a recognised method of reducing dust on site from vehicle movements. Roadways will be kept swept and free of dust.

A site speed limit of 10 mph will be enforced via signage and site staff, TCM and site management.

The site benefits from a 2.4m perimeter galvanised fence line with a dust mesh installed. This provides a robust collection measure for any windblown material and any heavy particulates.

The containment of waste storage areas using concrete Legio blocks act as a control measure against dust or emissions from waste handling activities. A Canopies provides containment of waste and any dust generated being loaded then entering the treatment process. A 6m canopy along the eastern boundary to prevent any dust escape along this boundary. Water suppression systems support all site infrastructure and all waste storage areas.

- ***Particulate emissions from the exhaust of vehicles / machinery on site.***

Dust and particulate emissions from stationary and mobile equipment will be minimised through the use of modern high efficiency plant and engines.

The machinery used on site will be subject to a regular preventative inspection and maintenance programme to maintain fuel efficient operations and avoid interruption to processing.

- ***Vehicles and plant moving around the site generating dust***

Vehicle speeds will be limited to 10 mph on site which is a recognised method of controlling dust.

Mechanical loading shovels will be regularly used on site. Prior to movement to another area of site, the wheels of the vehicles will be checked and cleaned if required.

Site roadways will be assessed as part of the daily site walkover and a road sweeper employed from an external contractor should the need arise.

- ***Unloading, movement and transfer of loose waste into the shredder***

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Prior to the reception of waste, inspections will be completed by the management team to ensure the quality of waste is acceptable and in accordance with site waste acceptance procedures. No inherently dusty or fines materials will be accepted at the site.

All waste will be delivered to site via road and will be in various containment vessels, which are covered to prevent any material escape. The vehicles will deposit the waste material at slow speed and at low tipping height, reducing potential for dust release and migration.

Every load received onsite will be subjected to inspection by trained operations staff. Loads will be rejected in the event of the material being particularly dusty.

Under normal operation wastes will be unloaded directly into the relevant storage bay. This minimises double handling where possible and hence minimises dust creation. Prior to leaving the site, vehicle wheels will be checked for dust and washed if required.

None of the materials processed at site will be deposited on site roads or tracked over by vehicles. All roads are constructed of sealed concrete hardstanding, which avoids dust generated from un-paved surfaces during dry weather. All external roadways will be swept and cleaned as necessary.

• ***Short-term storage of loose shredded plastic in the storage bay***

Under normal operation all wastes are processed on a 'just in time' basis negating the need for long term storage onsite and dust build up.

Dust will not tend to be generated by the piles of shredded material as it is heavy in density and not friable.

All storage areas are subject to visual inspection during the daily site walkover to ensure good housekeeping measures are employed.

• ***Breakdown / Failure of the Duct Collection Systems on the Processing Equipment***

All plant and equipment are subject to a planned preventative maintenance programme ensuring equipment failure / breakdown is highly unlikely.

However, In the event of any of the dust suppression failing and the risk of pollution is high, the processing line affected will cease to operate until repairs are completed.

• ***Loading, movement and transfer of shredded plastic***

Vehicle speeds will be limited to 10 mph on site which is a recognised method of controlling dust.

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All roads and storage areas are constructed of sealed concrete hardstanding, which avoids dust generated from un-paved surfaces during dry weather.

External areas will be assessed as part of the daily site walkover and a road sweeper employed from an external contractor should the need arise.

Preventative measures and remedial measures are summarised in Table 6 overleaf.

The dust sources on site, pathways, receptors and prevention measures are summarised in Table 7.

Table 6: Source-Pathway-Receptor Routes

Source Pathway Receptor				
Source	Pathway	Receptor	Type of impact	Where relationship can be interrupted
Mud	Tracking dust from wheels and vehicles leaving site, with mud dropping off wheels/vehicles when dry	Public Highway	Visual soiling, also consequent resuspension as airborne particulates	Wheel washing facilities present on Site remove the mud from the wheels of vehicles entering and exiting the Site. Vehicles delivering and collecting waste will be sheeted. All surfaces will be subject to regular housekeeping in accordance with the procedures in the EMS. A road sweeping vehicle will be hired in and deployed to remove mud from the access road and public highway. The site owns a road sweeping attachment which can be fitted to site plant is also available on site to react immediately to any complaints.
Debris	Falling off lorries	Public Highway	Visual soiling, also consequent resuspension as airborne particulates	All vehicles delivering and collecting waste will be sheeted/covered. All areas surfaced with concrete will be subject to regular housekeeping. Storage areas can be swept using the road sweeper attachment and washed using the bowser to reduce particulate matter arising. Use of on-site wheel wash pre/prior to leaving site. Regular visual monitoring of entrance/exit road. Weekly hire of an external road sweeper is in place. A road sweeping attachment is also available on site to react to complaints.
Waste unloading	Atmospheric dispersion	Local Receptors	Visual soiling and airborne particulates	The potential of dust emissions will be minimised by lowering drop heights. Waste may be stored in managed stockpiles which are dampened down in periods of dry weather. Incoming waste to be deposited directly into fixed bay with automated suppression. Operations will be halted when wind speeds are deemed to be excessive.
Waste storage	Atmospheric dispersion	Local Receptors	Visual soiling and airborne particulates	Minimise source strength by means of low drop heights, profiling and shielding of piles using bays and the canopy from wind whipping, positioning sources away from receptors. Also wetting of certain waste materials.

				Stockpile heights restricted to 4m externally. Dampening of stockpiles in dry weather or when excessive dust is identified to be leaving the site boundary.
Waste treatment	Atmospheric dispersion	Local Receptors	Visual soiling and airborne particulates	Minimise source strength by means of low drop heights, profiling and shielding of piles from wind whipping, positioning sources away from receptors. Combined with low drop heights, loading into shredders is managed by site infrastructure (canopy) along with automated water suppression as material is moved.
Product loading	Atmospheric dispersion	Local Receptors	Visual soiling and airborne particulates	Waste can be dampened before and during loading. Post loading and before leaving site all loads are secured/sheeted vehicles before transport off site.
Vehicle exhaust emissions	Atmospheric dispersion	Local Receptors	Airborne particulates	Regulatory controls and best-practice measures to minimise source strength.
Non road going machinery exhaust emissions	Atmospheric dispersion	Local Receptors	Airborne particulates	Regulatory controls and best-practice measures to minimise source strength.

Table 7: Measures that will be used on site to control dust/particulates (PM₁₀) and other emissions

Abatement Measure	Description / Effect	Overall consideration and implementation	Trigger for implementation	Where relationship can be interrupted
Preventative Measures				
Site / process layout in relation to receptors	Locating particulate emitting activities at ground level and downwind from receptors will reduce receptor exposure, provided that emissions from the source are not dispersed over significant distances	Can be used in combination with other measures to reduce dust and particulate generation.	Operational requirement at all times	Waste acceptance area located away from the closest receptors Fixed plant is located away from the closest receptors
Minimisation of waste storage heights on Site	Minimising stockpile heights should reduce the distance over which debris and dust could be blown and dispersed by wind.	The EMS/FPP will include a stockpile plan for the maximum height and volume allowed for the stockpiles present on Site in order to reduce the potential for excessive dust emissions. The stockpiles will not exceed the heights stated in the EMS/FPP. All stockpiles are maintained 0.5m below the top of waste storage bays	Operational requirement at all times	The TCM/NP keeps a record on the Inspection Checklists to ensure stockpiles do not exceed the heights specified in the stockpile plan in the FPP. If excessive dust emissions are continued to be observed leaving the Site boundary, then the further mitigation measure(s) is triggered. eg. Use of water suppression (bowser) or cessation of dusty activities.
Good housekeeping	Having a consistent, regular housekeeping regime that is	The EMS to be implemented on the Site will have a specific procedure for enforcing good housekeeping. On- site litter/dust will be collected and	Operational requirement at all times	Good housekeeping is implemented by following the housekeeping procedure within the EMS and by carrying out daily site inspections.

Abatement Measure	Description / Effect	Overall consideration and implementation	Trigger for implementation	Where relationship can be interrupted
	supported by management, will ensure the Site is regularly checked and issues remedied to prevent and remove dust and particulate build up.	disposed of daily by a Site Operative to keep the Site tidy. A housekeeping schedule is in place to manage all storage areas		If excessive dust emissions are continued to be observed leaving the Site boundary, then the further mitigation measure(s) will be
Site speed limit, 'no idling' policy and minimisation of vehicle movements on site	Reducing vehicle movements reduces dust emissions from the Site. Enforcement of the speed limit and limiting movements will reduce the chance and amount of resuspension of dust and particulates by vehicle wheels.	There is a no-idling policy in place on the site for vehicles. A 10mph speed limit is enforced on the entire site. Clear acceptance procedures to direct vehicles to the correct tipping area, traffic management routes are clear to minimise unnecessary vehicle movements around the site.	Operational requirement at all times 10mph speed limit signage. Enforcement of speed limit by Site Manager and constant observation and reminders by Site operatives. Constant observations of site exit/entrance routes.	These measures are implemented through staff training on the EMS, the provision of site rules to third party drivers and 10mph speed limit signs on the Site. If excessive dust emissions are continued to be observed leaving the Site boundary, then the further mitigation measure(s) will be triggered. If there is mud on the access road, then a road sweeper/mobile bowser will be deployed to clean and dampen the surface. If excessive dust emissions from vehicle movements continue after

Abatement Measure	Description / Effect	Overall consideration and implementation	Trigger for implementation	Where relationship can be interrupted
				these measures, then operations shall cease.
<p>Minimising drop heights for waste. Use of enclosed chutes for waste drops/end of conveyor transfers and covered skips / storage vessels.</p>	<p>Minimising the height at which waste is handled should reduce the distance over which debris, dust and particulates could be blown and dispersed by winds. Enclosing processes will further reduce dispersion.</p>	<p>The EMS will require that the handling of waste material on Site should be minimised at all times and staff are fully trained on procedures and reasons for the regard to minimising drop heights.</p>	<p>Operational requirement at all times</p> <p>By plant operators lowering the grabs, shovels, conveyors etc on the equipment being used to move potentially dusty materials.</p> <p>Water suppression can be actioned if required on waste entering the screener or to dampen material whilst loading.</p>	<p>If excessive dust emissions are continued to be observed arising or leaving the Site boundary, then the further mitigation measure(s) will be triggered. Materials will be further dampened operations ceased until weather conditions improve, or material condition is controlled (dampened fully)</p>
<p>Sheeting of vehicles</p>	<p>Prevents the escape of debris, dust and particulates from vehicles as they travel.</p>	<p>The EMS states that all vehicles entering / exiting the Site must be sheeted to minimise the likelihood of dust emissions. Excessively dusty loads will not be accepted onto the Site.</p>	<p>Operational requirement at all times</p> <p>Loading of potentially dusty materials on to a vehicle will be followed by closing of the sheet covers on that vehicle.</p> <p>Visual observation of incoming vehicles will take place at the weighbridge and enforced by the TCM/Nominated staff supported by the issue of site rules for third party companies.</p> <p>All vehicles carrying waste to the site will be sheeted at all times unless being loaded or unloaded.</p>	<p>The sheeting equipment will be activated and checked to ensure proper coverage before the vehicle is allowed to leave the site. Incoming vehicles that are not sheeted will be rejected from the site or sheeted immediately.</p> <p>Incoming vehicles that are not sheeted will be rejected from the site or sheeted immediately.</p> <p>If excessive dust emissions are continued to be observed leaving the Site boundary, then the further mitigation measure(s) will be triggered.</p> <p>Materials may be dampened.</p>

Abatement Measure	Description / Effect	Overall consideration and implementation	Trigger for implementation	Where relationship can be interrupted
<p>Vehicle washing (Pressure Washer)</p>	<p>Provides a high-pressure wash of vehicle wheels using a system of spray nozzles. Helps to remove some dirt, dust and particulates from the vehicles.</p>	<p>The wheel washing facility, comprising the availability of a jet hose and water supply, is used to remove and heavy mud deposits from the wheels of vehicles and is inspected on a regular basis to ensure the facility is in working order.</p> <p>Water is provided via a mains facility with contingency supply stored in an storage tanks and onsite borehole.</p>	<p>Implemented upon driver or SM/TCM/NP identification during vehicle checks.</p> <p>Site operatives will ensure that wheel washing facilities are used as required.</p> <p>At the weighbridge prior to vehicles leaving site, nominated site staff check the vehicle pre leaving the w/b to check for mud and debris. They will direct drivers to the wheel wash area to clean the undercarriage and wheels of the vehicle prior to being permitted to leave site.</p>	<p>If excessive mud or emissions are continued to be observed leaving the Site boundary, then the further mitigation measure(s) will be triggered.</p> <p>Vehicle movements will be ceased and the road sweeping brush will be used to clean exit routes and off site access road.</p>
<p>Ceasing operation during high winds and/or prevailing wind direction</p>	<p>Mobilisation of dust and particulates is likely to be greater during periods of strong winds and hence ceasing operation at these times may reduce peak pollution events.</p>	<p>During exceptionally dry and/or windy conditions, if any operations / Site movements cause or are likely to cause visible dust emissions beyond the Site boundary, or if abnormal dust emissions are observed within the Site, site waste operations may be suspended to avoid further dust emissions.</p> <p>Weather conditions at the Site will be considered and recorded at the start of each working day. planned to take</p>	<p>Implemented if excessive dust is being generated by the operations, then the Site Manager will notify staff and operations will be temporarily ceased.</p> <p>Enforced and monitored by the SM/TCM/Nominated staff during daily activities and formal daily inspections and processing monitoring.</p> <p>Operations may commence once the wind has subsided and/or the area is dampened down.</p> <p>Prevailing weather condition monitoring (Visual observation) including wind</p>	<p>The SM/TCM/Nominated staff makes the decision to cease activities that are causing the dust emissions.</p>

Abatement Measure	Description / Effect	Overall consideration and implementation	Trigger for implementation	Where relationship can be interrupted
		<p>in regard any potential dust emissions. If the wind speed and direction are likely to increase the risk of nuisance to neighbouring receptors, then operations may be temporarily stopped.</p> <p>There is no specific wind speed limit and/or no specific criteria for this to occur, as dust is dependent on other conditions such as rain.</p> <p>The TCM/NP will decide whether to cease operations as a result of weather conditions. This decision is based on a combination of factors, including those mentioned above. The conditions are recorded on the Inspection Checklists. The record includes an overall description of the weather conditions including, but not limited to, wind strength (e.g. windy, not windy), wind direction (e.g. towards northern boundary) and rain.</p>	<p>strength, wind direction and rainfall. This monitoring will be recorded on the Inspection Checklists.</p>	
<p>Reduction in operations (waste throughput, vehicle size, operational hours)</p>	<p>Reducing the amount of activity on site, including no tipping, shredding, chipping or hours)</p>	<p>Operations may cease in one area of the site or operations could be moved to/continue in a sheltered area away from prevailing winds, or active dust suppression (use of water hoses)</p>	<p>Implemented if excessive dust is noted being generated by the operations, then the SM/TCM/NP will notify staff and operations will be temporarily ceased.</p>	<p>The SM/TCM/NP makes the decision to cease activities that are causing the dust emissions in an area of the Site. Directions are given to site operatives to continue operations in another part</p>

Abatement Measure	Description / Effect	Overall consideration and implementation	Trigger for implementation	Where relationship can be interrupted
	screening of high risk loads during windy weather as well as associated traffic movements should result in reduced emissions and re-suspension of dust and particulates from a site.		Enforced and monitored by the TCM/Nominated staff during daily activities and formal daily inspections and processing monitoring.	of the Site or if excessive dust emissions are continued to be observed leaving the Site boundary, then the Site Manager gives the instruction for all dusty activities to cease.
Water Bowser	This is used both first thing in the morning to clean the site yard and external entrance/exit road, along with use during the day should site cleaning or surface dampening be required during dry periods.	Used daily if required	Implemented if excessive dust is noted being generated by the operations, then the SM/TCM/NP will notify staff and operations will be temporarily ceased and site surfaces cleaned.	Directions are given to site operatives to continue operations in another part of the Site or if excessive dust emissions are continued to be observed leaving the Site boundary, then the Site Manager gives the instruction for all dusty activities to cease.

<p>Water Canon</p>	<p>This is used as a proactive measure dampening wastes pre and post treatment if required required during processing.</p>	<p>Used daily if required</p>	<p>Implemented if excessive dust is noted being generated by the operations, then the SM/TCM/NP will notify staff and operations will be temporarily ceased and site surfaces cleaned.</p>	<p>Directions are given to site operatives to continue operations in another part of the Site or if excessive dust emissions are continued to be observed leaving the Site boundary, then the Site Manager gives the instruction for all dusty activities to cease.</p>
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3.3 Other considerations

Water usage/ availability:

The 1600lt water bowser is kept filled on a daily basis to dampen site surfaces and for housekeeping.

The site has as access to mains water supply for general everyday use.

In the event of a drought:

During drought conditions the site is required to abate fugitive emissions and not cause pollution during periods of drought on site. In the event water supplies are unavailable the site would consider the cessation of waste activities with direction of senior management or divert wastes to other sites.

The site can minimise and reduce the use of the borehole supply to prioritise water suppress on to higher risk activities such as waste acceptance and shredding.

In the event water supply is exhausted, site management will then discuss with the Yorkshire Water and EA possible options of low-level operations such as the receipt of waste or the cessation of waste acceptance and processing.

3.4 Enclosure of Waste Processing & Storage Areas

The Environment Agency consider the enclosure of activities inside a building to be a best available technique especially if the Site is located inside an Air Quality Management Area.

It is not possible to enclose all site activities due to the nature of the business.

CNC are demonstrating that mitigation measures are in place to prevent fugitive emissions leaving site, with the capacity to review and implement further measures if required and financially feasible.

All stockpiles will be maintained 0.5m from the top of all storage bays to prevent wind whipping and to provide secure containment of waste.

4. Visual Dust Monitoring

Visual monitoring will be carried out as part of the daily site checks. Any incidents of visible dust appearing to leave the site boundary will be recorded and immediately reported to Site Management.

The checks will take place formally once per day, however site staff will monitor dust throughout any loading operations. Any dust emissions with the potential to migrate from site will be reported to site management immediately.

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A visual inspection form is included in Appendix 4 of this document for the recording of any emissions and actions required during loading operations. The site diary records the daily monitoring of dust/emissions on site.

The visual monitoring will be undertaken around the site perimeter, with particular focus on the areas downwind of any area which had been viewed as a potential source of off-site dust emissions.

All plant and equipment will be subject to daily inspections and usual checks to ensure that all dust controls are effective. Monitoring will also take place during activities which could give rise to dust emissions specifically unloading, processing and loading of materials onto vehicles.

Site staff will be trained by the Site Manager or trained nominated person in undertaking their responsibilities for dust monitoring. All records for training will be held on site.

4.1 Trigger for Enacting Dust Suppression / Control Measures

The trigger for enacting further control measures will be observations by site staff or dust emissions noted with the potential to migrate beyond the site boundary. This in turn will depend upon the volume of dust present, the location of the dust on site and current weather conditions. In any event, site staff will alert site management to areas where dust is being released on site, so that these can be monitored for dust migration and need for control.

A brief visual check (<1 minute) at each location will be carried out to determine dust levels. This combined with the visual checks throughout the day by operations personnel will efficiently identify any dust emissions from site. The site will be manned at all times during processing, deliveries and collections. Any obvious signs of dust will be reported to the site management immediately.

If there is a potential for dust beyond the site boundary, the relevant activity will be ceased immediately to allow investigation by Site Management and appropriate dust control measures to be implemented.

4.2 Actions When Alarm is Triggered

Should any activities be seen to be generating dust which, combined with weather conditions, could result in its migration off site, the operation shall be ceased until adequate measures are in place to prevent further dust emissions. The Site Manager has the ability to cease operations at any time in order to achieve this control.

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Control measures used on site and detailed within this plan, will be reviewed at least annually by Site Management or after any incident of dust migration off site.

The visual monitoring regime will identify any dust emissions. Should any visible dust emissions be seen emanating from the site, or in the event of a substantiated dust complaint, the site will immediately investigate the source and initiate remedial action.

Any operations on site which are observed to have the potential for dust migration beyond the site boundary will be ceased until adequate control measures are in place (i.e. to prevent migration beyond the boundary).

4.3 Out of Hours

This also applies to any events that may happen when the Site is unmanned / not operational.

The company also have a webpage with the company landline, email and mobile number for any out of hours contact.

Nominated trained site staff can attend the site to investigate and respond to an out of hours complaint.

5. Reporting and Complaints Response

The name and contact details for the company is displayed at the Site entrance.

As part of the EMS a customer care and complaints procedure will be implemented. The customer care and complaints procedure apply to all complaints, feedback and requests made by third parties regarding CNC operational activities, environmental, health and safety performance or quality of service/product.

All complaints from third parties including external customers, potential customers, statutory authorities, statutory consultees, members of the general public and internal clients will be forwarded to the Management to action as below and recorded in the site diary.

On receipt of any complaint, the Site Manager (or other trained nominated person) will investigate the details of the complaint in order to determine if the reported impact is as a result of operations within the Site.

Any complaints received relating to ongoing site activities will trigger the monitoring of the external monitoring locations of the site and recorded on site specific monitoring forms (Appendix 3) with the appropriate response.

In line with company procedure the complaint will be logged as a site diary entry and a discrepancy log will be completed by the Site Manager (or NP) or TCM.

A record of the below will be made.

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- Time
- Date
- Nature of complaint/description of emissions
- Duration of event
- Weather conditions
- Location – where dust/emissions were seen (eg: site perimeter), receptor location;
- Contact details of complaint if available

The Site Manager (or NP) or TCM will review the operations at the Site for.

- Notifications of specific/exceptional incidents (relating to dust emission generations) occurring since the last inspection
- A review of the daily site diary
- CCTV review of site activities and any visual evidence of dust/emission leaving site
- The nature of the waste received since the last inspection
- The storage arrangements for these wastes (including the use or otherwise of dust suppression equipment)
- Waste activities carried out at the time of the complaint (eg; Loading/Shredding)
- Meteorological conditions since the last inspection that could have the potential to generate significant dust emissions from the Site
- Investigate other potential sources of dust emissions (local construction works/other local business
- External influences of note that have impacted site conditions.

Where the above review reveals that the Site may have been the source of the recorded dust impact, the Site Supervisor will notify the EA as soon as is reasonably practicable.

Senior management be made aware if a number of complaints are received. An escalation procedure (below) will be implemented with the ceasing of site activities until the complaints have been investigated fully, EA communication will be maintained.

- The complaint is investigated to identify the cause, if necessary, this may involve direct communication with the complainant.
- In the event of elevated levels of noise being detected, the presence of ‘abnormal’ onsite activity is assessed and if necessary preventative action is taken that will prevent a reoccurrence of the same problem. These actions must be documented.
- The Complainant will be contacted and given information on the investigations conducted and actions taken as appropriate or via the regulatory authority.

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- Where a complaint or query is likely to involve a statutory authority, the emergency services, an insurance company, or the media, the appropriate person will be informed.
- Complaints involving a location with Local Authority contracts will be reported in line with specific contract requirements and timescales. Local procedures may need to be in place to ensure these are adhered to.
- All complaints are reported to Senior Management and discussed at site meetings.
- Details of other complaints are sent to the other company personnel as appropriate.

Once the improvements identified by the management team have been completed, the company will commission a further set of monitoring to ensure that the improvements have met the required standard.

5.1 Remedial Actions

If plant/equipment failings are identified as the cause of the incident (including those relating to the suppression/mitigation measures), all relevant items will be submitted to a full inspection and testing procedure (in accordance with manufacturer/supplier guidelines) and relevant repair work undertaken as soon as is reasonably practicable.

If operational/procedural failings are identified, all relevant procedures and policies (including the Procedures within the Environmental Management System, Working Plan and other associated documents) will be reviewed and updated as necessary. If an update to any document is required, this will be made and recorded within the documents. If appropriate, the new versions provided to the Local Planning Authority and/or the EA.

Additional training will be provided to operations staff either on the implications of the updated policies and systems to their specific roles or to reiterate the importance of performing their duties in full accordance with the environmental policies and procedures, and the Site Environmental Permit.

6. Engagement with the Community

The company recognise the importance of engaging with the people who may be affected by site activities. If an issue occurred where neighbours were affected by the activities, then they would like to propose to use the following community outreach activities to engage with local community in order to understand the issues and provide detailed information about company actions to mitigate any problems.

Leaflet /Webpage

Communications online and in written form explaining about site activities, remedial actions and information about complaining procedures. They propose to communicate with residents regarding any incidents or issues via this media.

Meeting with residents

In the event of an incident or an issue which may lead to complaints regarding dust and emissions a

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formal letter drop will be carried out to inform local residents about the DEMP and future improvements to the Site and invite residents to contact the Company direct through the appropriate methods and/or to attend a public meeting regarding the issues on site.

6.1 Reporting of Complaints

Members of the public are able to contact the company with any dust complaints about the facility by the following means:

By telephone the contact number will normally be manned from Monday to Friday between the hours of 07:30 and 17:30. Outside of these hours, and on infrequent occasions during the above hours when an immediate reply cannot be made, there will be an answer phone service;

Or

By email to info@cncrecycling.co.uk

These methods of contacting the site will be displayed at the site and communicated through meetings, newsletters and other forms of advertisement.

Suitable complaint forms (based on the example provided in Appendix A) will be made available at the site office to anyone wishing to report any incident relating to dust emissions from the Site.

6.3 Management Responsibilities

Site staff will be responsible for dust management issues and detecting/reporting dust emissions. All members of staff will be given training on the EMS for the Site, which will include the Dust Procedure and this DEMP.

All staff on the Site will be trained on this plan which will include details regarding identifying potential dust emissions, mitigation measures and monitoring/recording visual inspections. Copies of all training are available in the site office for inspection.

On receipt of a complaint the Site Manager/ TCM/or NP will investigate and establish the cause. The most effective corrective or preventative action must then be determined to prevent future emissions occurring. Where additional time is required in order to implement the appropriate corrective or preventative action the complainant will be contacted with details of the actions to be implemented and the estimated timescales for completion. The maximum response time for investigating the cause of the complaint and contacting a complainant will be two working days.

Monthly senior management meetings are conducted where a review of all monitoring and site issues is discussed. Access to all recording systems is available at any time for senior management to review and quality check site activities.

Out of Hours

The site email address and contact numbers visible from the site I.D. board near the site

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entrance, and on the website. These contact methods are received directly by Senior Management who can respond immediately or identify a nominated trained person to investigate and taken any action.

6.4 Procedures and Records

Additional site documentation, recording forms and operating procedures support this plan and daily site operations.

- Risk and Control Procedure
- Site Diary
- Waste Validation Procedure
- Waste Rejection Procedure
- Incident Report Form
- Complaint Procedure
- Supplier Contract
- Emergency Procedure Dust
- Drivers Rules
- Plant and Equipment Maintenance Form
- Employee Training Records

Records will be kept of all.

- Inspections
- Complaints received
- Investigations
- Corrective actions
- External and independent monitoring records
- Any addition monitoring
- Policy reviews/updates

All such information will be made available to the EA, on request. Records will be held for a period of no less than 6 years.

Records such as the site diary, repairs and incidents must be kept for the lifetime of the permit.

6.5 Summary

The control measures presented in this Dust Management Plan reduce the potential for dust emissions from the site to a point where there is very low risk of nuisance or exposure of the local receptors.

This document is 'live' and will be reviewed at least annually.

APPENDICES

Dust Suppression Systems locations – CNC



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Appendix B - DUST COMPLAINT FORM

Customer Details	
Customer Name -	
Address –	
Postcode -	
Customer Contact Details -	
Tel -	
Email -	
Date -	
Complaint Ref Number -	
Complaint Details -	
Investigation Details	
Investigation carried out by -	
Position -	
Date & time investigation carried out -	
Weather conditions -	
Wind direction and speed -	
Investigation findings -	
Feedback given to Environment Agency and/or local authority -	
Date feedback given -	
Feedback given to public -	
Date feedback given -	
Review and Improve	
Improvements needed to prevent a reoccurrence -	
Proposed date for completion of the improvements -	
Actual date for completion -	
If different insert reason for delay -	
Does the dust management plan need to be updated -	
Date that the dust management plan was updated -	
Closure	
Site manager review date	
Site manager signature to confirm no further action required	

Appendix C – SENSITIVE RECEPTOR / MONITORING LOCATION PLAN



Monitoring Location	Direction
Point 1	North
Point 2	South
Point 3	East
Point 4	West

Intensity (Detectability)	Location sensitivity where Dust detected
0 - No Dust detected 1 - Very faint, Dust unlikely to cause annoyance (Dust barely detectable inhaling face to the wind) 2 - Faint Dust, unlikely to cause annoyance 3 – Distinct Dust, likely to cause annoyance (Dust easily detected while walking and breathing normally) 4 - Visible Dust in continuous plumes, likely to cause annoyance 5 - Large amounts of visible Dust, likely to cause annoyance 6 – Extremely excessive amounts of Dust and particles, highly likely to cause annoyance	0 not detectable 1 Remote (no housing, commercial/industrial premises or public area within 500m) 2 Low sensitivity (no housing, etc. within 100m of area affected by Dust) 3 Moderate sensitivity (housing, etc. within 100m of area affected by Dust) 4 High sensitivity (housing, etc. within area affected by Dust) 5 Extra sensitive (complaints arising from residents within area affected by Dust)

Appendix D – VISUAL MONITORING CHECK SHEET

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time						
Wind (Light/Strong/Direction)						
Rain (Y/N)						
Need to Stop Activities						
Need for water suppression						
I=installation S=stockpiles						

DURING OPERATIONS

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time						
Wind (Light/Strong/Direction)						
Rain (Y/N)						
Need to Stop Activities						
Need for water suppression						
I=installation S=stockpiles						

DURING OPERATIONS

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Time						
Wind (Light/Strong/Direction)						
Rain (Y/N)						
Need to Stop Activities						
Need for water suppression						
I=installation S=stockpiles						

DURING OPERATIONS

Appendix E – Cleaning Schedule

