

PHASE I PRELIMINARY CONTAMINATION RISK ASSESSMENT



PROPOSED RESIDENTIAL DEVELOPMENT

DUNSHIEL FARM, NEAR ELSDON, ROTHBURY, NORTHUMBERLAND, NE19 1AQ



QUALITY CONTROL

Project No.	GEOL20-9700	Client	Michael Rathbone Architectural
Report Type	Phase I Preliminary Contamination Risk Assessment		
Project Type	Proposed Residential Development		
Site Address	Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ		
NGR	392920, 594240		
Date	14/05/2020		
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REPORT REVISION HISTORY				
Issue	Description	Date	Author	Approval
1	Final Issue	14/05/2020	RS	TMc

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I.0 INTRODUCTION

Geol Consultants Limited (GEOL) were instructed by Michael Rathbone Architectural to undertake a Phase I Preliminary Contamination Risk Assessment for land situated within the boundaries of an existing residential farmstead known as Dunshiel Farm, located near the Northumberland village of Elsdon. Proposals have been formulated to renovate the existing farmhouse and cottage and convert the granary barn into a third dwelling sometime soon.

The purpose of this report is to provide information relating to the following.

- ▼ Identify the environmental setting and likely ground conditions for the site, including details relating to the deeper geology, hydrogeology, hydrology and mining
- ▼ Identify the sites previous development history, usage and activities with a view to determining any potential contaminants associated with the recorded site history and to assess the impacts from those contaminants towards the future site end-users (Human Health) and nearby sensitive receptors (Controlled Waters)
- ▼ Establish a preliminary Conceptual Site Model (CSM) and to identify all potential source, pathway and receptor linkages
- ▼ Assess all potential sources of hazardous ground gas generation
- ▼ Determine the scope of any further investigation works required for the site prior to commencing with any future development works

As part of this Phase I Preliminary Contamination Risk Assessment, a reconnaissance (walkover) survey was undertaken which involved an inspection of the site and immediate surrounding area. Site photographs taken during this survey can be seen in Appendix I and all relevant observations are noted in the Site Details & Description section on the following page.

A review of currently available information from the following data sources has been undertaken to assist in the completion of this technical report.

- ▼ British Geological Survey (BGS); geological maps and historical borehole records, where available
- ▼ Landmark Information Group, Envirocheck Report; including Ordnance Survey (OS) maps
- ▼ The Coal Authority; Online Interactive Map Viewer and Consultants Coal Mining Report
- ▼ Environment Agency / GOV.UK
- ▼ Relevant guidance documents; these are listed within the report text, where applicable

2.0 SITE DETAILS & HISTORICAL MAP REVIEW

All relevant details and descriptions relating to the proposed development area (site) have been summarised in the Table below.

Detail	Description
Site address	Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ
NGR	392920, 594240
Approximate size	0.03 Ha
Current site use	The site comprises an existing residential farmhouse, cottage and granary barn surrounded by tracks, concrete yards with areas of garden and grassed soft landscaping. The stone built two-storey buildings are currently vacant / unoccupied
Proposed site use	Proposals have been formulated to renovate the existing farmhouse and cottage, and convert the granary barn into a new residential dwelling
Surrounding land uses	The site is located within a secluded rural / agricultural setting
Site topography	The site is generally flat, although the surrounding topography slopes in a northeasterly direction. A topographic benchmark located on the site records a ground level of 196.94m AoD
Site observations	The site is currently occupied by two residential dwellings, attached to a two-storey granary barn. The upper storey of the granary barn is accessed via an external set of stone steps. A plastic heating oil tank was formerly located in front of the granary barn, and good house-keeping appears to have been maintained. A garden area is located to the front of the farmhouse, and a grassed / lawn area is located in front of the existing farm buildings. To the rear of the farm buildings is an area of grass, concrete surfacing / yard, bare ground and an old cartshed – see site photographs in Appendix I

Copies of OS maps covering the site and adjacent land are contained within the Landmark Information Group, Envirocheck Report included in Appendix III. The information contained within the summary Table below has been based on available OS maps and observations noted during the reconnaissance (walkover) survey completed.

Historical Map Review	Based on OS maps dating back to 1866 the site is occupied by Dunshield / Dunshiel farm with some farm buildings located to the southeast. Elsdon Burn is located circa 59m northeast of the farm. An area of woodland is recorded to the southwest of the farm from 1897. By circa 2000 the farm appears to have extended to the southeast where a cattle shed is currently present. A modern heating oil tank was formerly located in front of the granary barn. The farm is surrounded by agricultural farmland. No obvious sources of ground contamination have been identified during the reconnaissance (walkover) survey, with the exception of a modern heating oil tank. This corroborates with the recorded site history, where no significant industrial activities have taken place on or close to the site
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3.0 GROUND CONDITIONS

3.1 Site Geology

No made ground / fill deposits are recorded on site in accordance with published BGS maps (Sheet 8, Elsdon, Solid and Drift Editions, 1:50,000 scale, dated 1965 / 69). Whilst made ground / fill deposits are not recorded over the site, some made ground / disturbed deposits may be present below the site associated with the existing farmstead development.

The site is recorded to straddle the boundary of Glacial Till Deposits, which extend to the southwest, and normally comprise firm (medium strength) and stiff (high strength), sandy, gravelly clay deposits, often containing cobbles and boulders. Natural superficial deposits are recorded to be absent below the northeastern portion of the site, extending to the northeast. The solid geology is expected to be present at or close to surface (area of solid outcrop), comprising the Tyne Limestone Formation of Carboniferous age, comprising alternations of limestone, sandstone, siltstone and mudstone with occasional seams of coal.

3.2 Surface Mineral Extraction / Quarrying

Based on OS maps dating from as early as 1866 to 2020, there is no evidence of any significant mineral extraction within the boundary of the site or within proximity to the site (i.e. a lateral distance of 250m).

3.3 Coal Mining Risk Assessment (CMRA)

Based on published geological maps the Furlaws Coal (FLS.C) seam is conjectured to subcrop immediately below the site, dipping in a northeasterly direction away from the site.

The site falls within a designated development low risk area (DLRA) in accordance with The Coal Authority Online Interactive Map Viewer, and the site is not shown to be underlain by past recorded or probable shallow coal mining workings. A development high risk area (DHRA) is recorded to the immediate northeast beyond the farmstead, which may be attributable to the subcrop position of the FLS.C seam.

To assist in determining the depth of any potentially worked seams below the site and records pertaining to known mine entries, a Consultants Coal Mining Report (reference 51002284132001) was obtained from the Coal Authority, a copy of which can be seen in Appendix II. The relevant coal mining related information contained within this report has been summarised in the Table on the following page.

3.3 Coal Mining Risk Assessment (CMRA) (Cont'd)

Data Type	Details
Past underground mining	No past mining recorded
Probable unrecorded shallow workings	None
Spine roadways at shallow depth	No spine roadways recorded at shallow depth
Mine entries	None recorded within 100m from the site boundary
Geological faults, fissures and breaklines	No faults, fissures or breaklines recorded
Mine gas	None recorded within 500m from the site boundary
Opencast mines	None recorded within 500m from the site boundary
Coal mining licensing	None recorded within 200m from the site boundary
Coal mining subsidence	The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50m of the enquiry boundary, since 31 st October 1994

When considering the proximity of the subcrop position of the FLS.C seam and the topography of the site, it is considered unlikely that anyone would have extracted this coal seam immediately below the farmstead due to the potential risk of causing ground instability. Therefore, when considering the geological and coal mining data reviewed for this development site, it is felt that the mechanisms for future ground subsidence and crown hole failures occurring at the surface in the future as a direct result of unrecorded shallow coal mining activities below the site area is deemed to be low, and thus no further assessment or intrusive investigation works are required with regards to historical shallow coal mining activities.



4.0 ENVIRONMENTAL SETTING

4.1 Hydrogeology

The Tyne Limestone Formation is designated as a Secondary A Aquifer, with a low vulnerability classification. This Aquifer designation has been assigned where permeable layers are capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. The whole of the site is shown to lie within an area with a limited potential for groundwater flooding to occur.

The site is not recorded within a Source Protection Zone (SPZ) and there are no Water Abstractions recorded within 1km from the site boundaries.

4.2 Hydrology

Elsdon Burn is recorded circa 50m northeast of the site, flowing in a southeasterly direction. Folly Sike, a small tributary of Elsdon Burn, is recorded 34m north of the existing farm buildings.

The site lies within a Flood Zone 1, an area with a low probability of flooding with <1 in 1000 chance of fluvial flooding occurring (<0.1%), and therefore this site is unlikely to be at significant risk from future flooding. According to the GOV.UK Long Term Flood Risk Information Interactive Map, the whole of the site is shown to lie within an area at very low (<0.1%) risk of surface water flooding occurring.

4.3 Landfill & Waste

The Landmark Information Group, Envirocheck Report does not record any Historical or Registered Landfill Sites, Licensed Waste Management Facilities, Registered Waste Transfer, Treatment or Disposal located within 250m of the site boundary. Similarly, there is no historical evidence of any unrecorded waste deposition or made up / artificial ground.

4.4 Site Ecology

According to the Landmark Information Group, Envirocheck Report obtained for this site, the site is recorded to lie within the Northumberland National Park. There are no other sensitive land uses recorded within 250m of the site.

From the reconnaissance (walkover) survey completed, a brief inspection was made of the vegetated areas of the site, to investigate the presence of any invasive plants, such as Japanese Knotweed and the like. No evidence of invasive plant species were noted during the site walkover.

4.0 ENVIRONMENTAL SETTING (CONT'D)

4.5 Radon Assessment

The BRE Digest, BR211 (2015) Radon: Guidance on protective measures for new buildings, indicates the site to lie within a lightly shaded grid square (1km), indicating that **BASIC** radon protective measures would be required for new structures. Furthermore the Landmark Information Group, Envirocheck Report shows the site to lie in a intermediate probability radon area, where between 5 to 10% of homes are estimated to be or above the action level, in accordance with data held by the BGS, and their assessment suggests that **BASIC** radon protection measures are necessary in the construction of new dwellings or extensions.

It is recommended that Section 6.13 of BRE Digest, BR211 (2015) Radon: Guidance on protective measures for new buildings is consulted as part of the proposed renovation of the farmhouse & cottage, and conversion of the granary barn. However, when considering the development proposals, i.e. renovation / conversion, the installation / construction of retrofitted radon protection measures may prove difficult to achieve bearing in mind concrete floors are already insitu. Advice should be sought from and an agreement made with Northumberland County Council as to how this can be overcome practically and at reasonable economic cost if deemed necessary.

5.0 REGULATORY DATABASE

The information given in the summary Table below has been obtained from a commercially available database and is contained within the Landmark Information Group, Envirocheck Report included in Appendix III. The summary Table below only includes records not otherwise detailed in the reports.

Data Type	0 – 250m	251 – 500m	Details
Contaminated Land Register Entries and Notices	0	0	None recorded
Discharge Consents	0	0	None recorded
Local Authority Pollution Prevention and Controls (LAPPC's)	0	0	None recorded
Pollution Incidents to Controlled Waters	0	0	None recorded
Substantiated Pollution Incident Register	0	0	None recorded
Prosecutions Relating to Authorised Processes	0	0	None recorded
Control of Major Accident Hazards Sites (COMAH)	0	0	None recorded
Explosive Sites	0	0	None recorded
Planning Hazardous Substance Consents	0	0	None recorded
Contemporary Trade Directory Entries (CTDE)	0	0	None recorded
Fuel Station Entries	0	0	None recorded

6.0 CONTAMINATION RISK ASSESSMENT

The risks posed towards Human Health or environmental receptors (Controlled Waters) is based on an assessment of one or more source-pathway-receptor linkages. The source is any substance which has the potential to cause significant harm to a relevant receptor and the pathway is any route by which contamination may travel to impact on a receptor. The preliminary Conceptual Site Model (CSM) summarises the principal contaminant sources, pathways and receptors for this site and the likelihood of the existence of a pollutant linkage. The assessment for this site is based on an end-use of residential with homegrown produce, and the potential pollutant linkages pertaining to the site and the assessed significance are summarised in the preliminary CSM Table on the following page. The significance of the potential source-pathway-receptor linkages identified within the preliminary CSM can be assessed using the following criteria.

- ▼ LOW risk – not likely to cause significant harm to Human Health or Controlled Waters. Remedial measures are not likely to be required
- ▼ MEDIUM risk – it is possible that significant harm to Human Health or Controlled Waters could occur depending on site specific circumstances. Remedial measures may be required to mitigate potential risks
- ▼ HIGH risk – it is likely that significant harm to Human Health or Controlled Waters will occur unless appropriate remedial measures are incorporated into the development

Based on available OS maps from as early as 1866 until the present day (2020) the site has been occupied by Dunshiel Farm. The site is currently unoccupied / vacant. The reconnaissance (walkover) survey confirmed no obvious evidence of any recent, unrecorded development on the site or change in activity from this time.

The risk of significant contamination being present on this site is LOW based on the recorded site history / activity, and therefore with respect to soil contamination, there appears to be no plausible significant sources of ground contamination noted on this site based on the data sources reviewed.

At this stage, significant thicknesses of made ground deposits are not expected to be present over the site area, although sporadic areas of made ground / disturbed deposits may be present associated with the development of the existing farmstead. The risk of hazardous ground gases on this site and from off-site sources is also considered a LOW risk. However, based on the available radon data available, the site falls within an area where **BASIC** radon protection measures are required in the construction of new dwellings or extensions.

6.0 CONTAMINATION RISK ASSESSMENT (CONT'D)

Potential source	Pathway	Receptor	Pollutant Linkage / Assessed Risk
Made ground deposits, where present	Dermal contact and ingestion / inhalation of contaminated soil and dust	Construction workers and future end-users	LOW risk
	Air – Inhalation of vapours (indoor & outdoor)		LOW risk
	Plant uptake, consumption of homegrown vegetables	End-users	LOW risk
	Migration through services	End-users	LOW risk
	Direct contact with building materials	Building materials (concrete)	LOW risk
	Surface run-off, vertical and lateral infiltration / leaching and migration of mobile contaminants	Deep groundwater (Secondary A Aquifer)	LOW risk
	Contaminated soils	Flora and Fauna	LOW risk
Ground gas – no potential on-site or off-site sources identified	Asphyxiation, fire & explosion	End-users	LOW risk – no linkage available due to lack of sources
Radon	Carcinogenic	End-users	MEDIUM to HIGH risk

7.0 GEOTECHNICAL RISK ASSESSMENT

The shallow ground conditions below the site are expected to comprise areas of grass & topsoil, bare ground and concrete surfacing, in turn underlain by made ground deposits (type and thickness unknown) where present. Glacial Till Deposits and completely weathered bedrock deposits, which will become less weathered and more intact with depth, are anticipated below the site area. The anticipated ground profile for this site has been summarised in the Table below.

Strata type	Anticipated thickness	Groundwater	Comments
Made Ground Deposits	<1m (where present)	Not present	Only thin areas of made ground are expected
Topsoil Deposits	Up to 0.50m	Not present	Topsoil deposits are anticipated to be present immediately below grass surfacing
Superficial Deposits; Glacial Till Deposits	<5m	A continuous groundwater surface (water table) is not anticipated to be present within the natural Glacial Till Deposits. Trapped pockets of water may however be present	The Glacial Till Deposits, where present, are anticipated to be firm (medium strength) and stiff (high strength) in nature. Where absent, the solid geology is anticipated at or close to the surface
Solid Geology; Tyne Limestone Formation	>50.00m	Groundwater levels within this formation are expected to be present at depths >20m below site levels. This stratum has been designated as a Secondary A Aquifer	This formation comprises alternations of limestone, sandstone, siltstone and mudstone with occasional seams of coal

A summary of the anticipated potential risks associated with the geotechnical issues and hazards identified for this site can be seen in the Table below and on the following page. The definitions for the allocated level of risk(s) are as follows.

- ▼ LOW risk – unlikely to impact the proposed development
- ▼ MEDIUM risk – may have a significant impact on the proposed development
- ▼ HIGH risk – likely to have a significant impact on the proposed development

Issue or hazard	Level of potential risk	Comments
Made ground / fill	LOW risk	Only thin areas of made ground are expected
Natural deposits	LOW risk	The natural deposits are not considered to pose a significant risk to the development

7.0 GEOTECHNICAL RISK ASSESSMENT (CONT'D)

Issue or hazard	Level of potential risk	Comments
Stability of excavations	LOW risk	The anticipated natural deposits, where excavated should remain stable within shallow / building related excavations, although excavations below 1.20m will require adequate trench support within building related excavations
Relic sub-surface structures	LOW risk	Significant relic sub-surface structures are not anticipated below the site
Shallow groundwater	LOW risk	A shallow continuous groundwater surface is not anticipated to be present below the site area
Shallow coal workings	LOW risk	The site is not considered to be at risk from past shallow coal mining activities below the site
Mine entries (shafts / adits)	LOW risk	There are no records of mine entries on this site
Control of surface drainage	LOW risk	No new building structures or drainage infrastructure is proposed
Flooding	LOW risk	The site lies within Flood Zone 1

8.0 CONCLUSIONS

When considering the findings of this Phase I Preliminary Contamination Risk Assessment, and the review of all the historical and environmental data, in conjunction with the site (reconnaissance) walkover survey completed, it can be seen that there are no significant contaminative sources or geotechnical hazards / issues which could affect the proposed development of the existing farmstead.

It is therefore concluded that no further assessment or investigation is required with respect to the proposed development of the existing farmstead. However, based on the available radon data available, the site falls within an area where **BASIC** radon protection measures are required in the construction of new dwellings or extensions. It is recommended that the advice contained in Section 6.13 of BRE Digest, BR211 (2015) Radon: Guidance on protective measures for new buildings is considered as part of the proposed renovation of the farmhouse & cottage, and conversion of the granary barn. However, when considering the development proposals, i.e. renovation / conversion, the installation / construction of retrofitted radon protection measures may prove difficult to achieve bearing in mind concrete floors are already insitu. Advice should be sought from and an agreement made with Northumberland County Council as to how this can be overcome practically and at reasonable economic cost if deemed necessary.

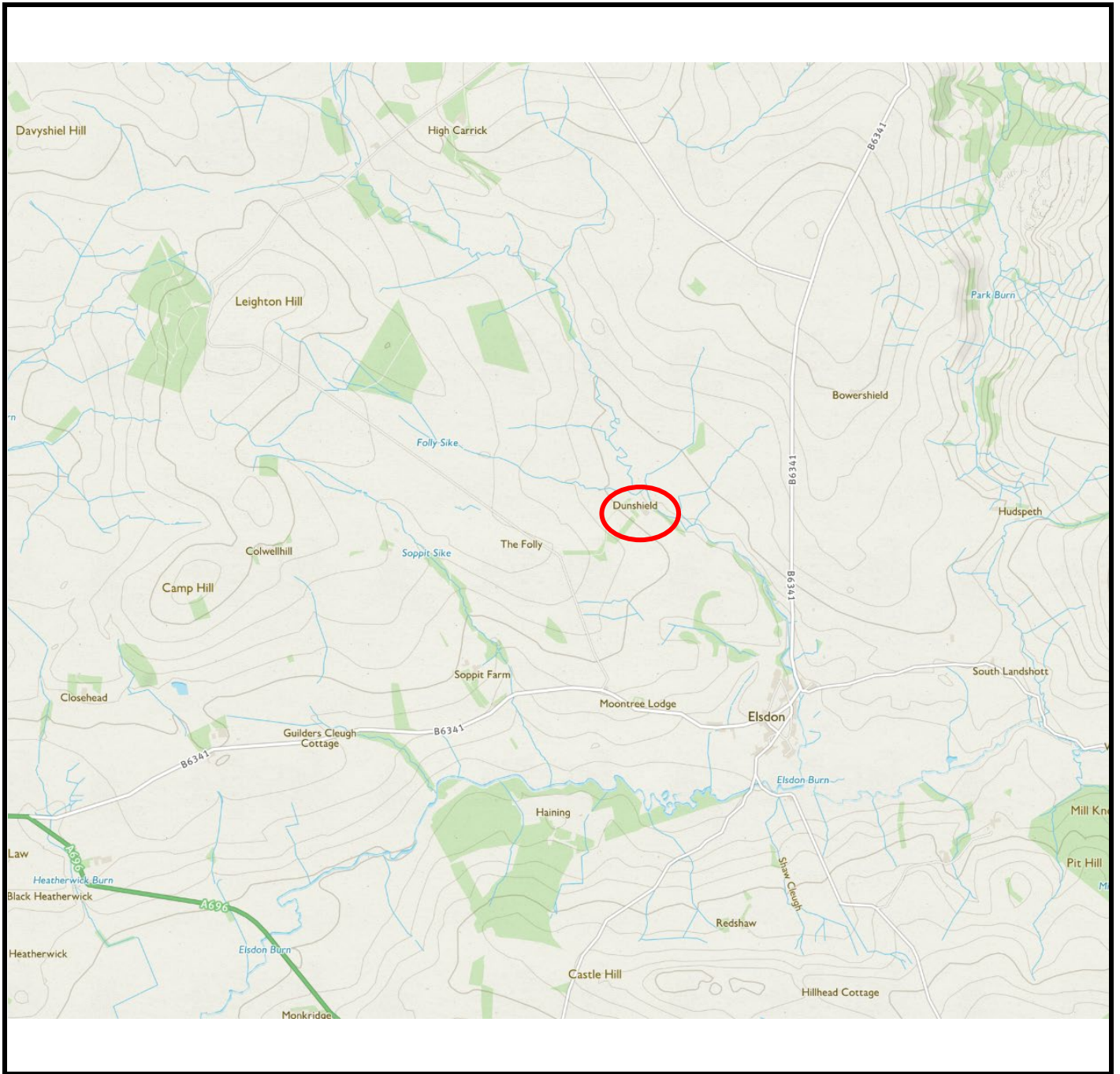
During the development of the site, should the ground conditions appear to differ from those already identified as part of this Phase I Preliminary Contamination Risk Assessment (i.e. unforeseen ground contamination), then advice should be sought from a suitably qualified Engineer to determine if a reassessment of the ground conditions and recommendations is required before the development progresses further.

End of Report



APPENDIX I

**SITE LOCATION PLAN
AERIAL PHOTOGRAPH
SITE PHOTOGRAPHS
EXISTING SITE LAYOUT PLAN**



SITE LOCATION PLAN



 AERIAL PHOTOGRAPH 





 **SITE PHOTOGRAPHS** 





SITE PHOTOGRAPHS



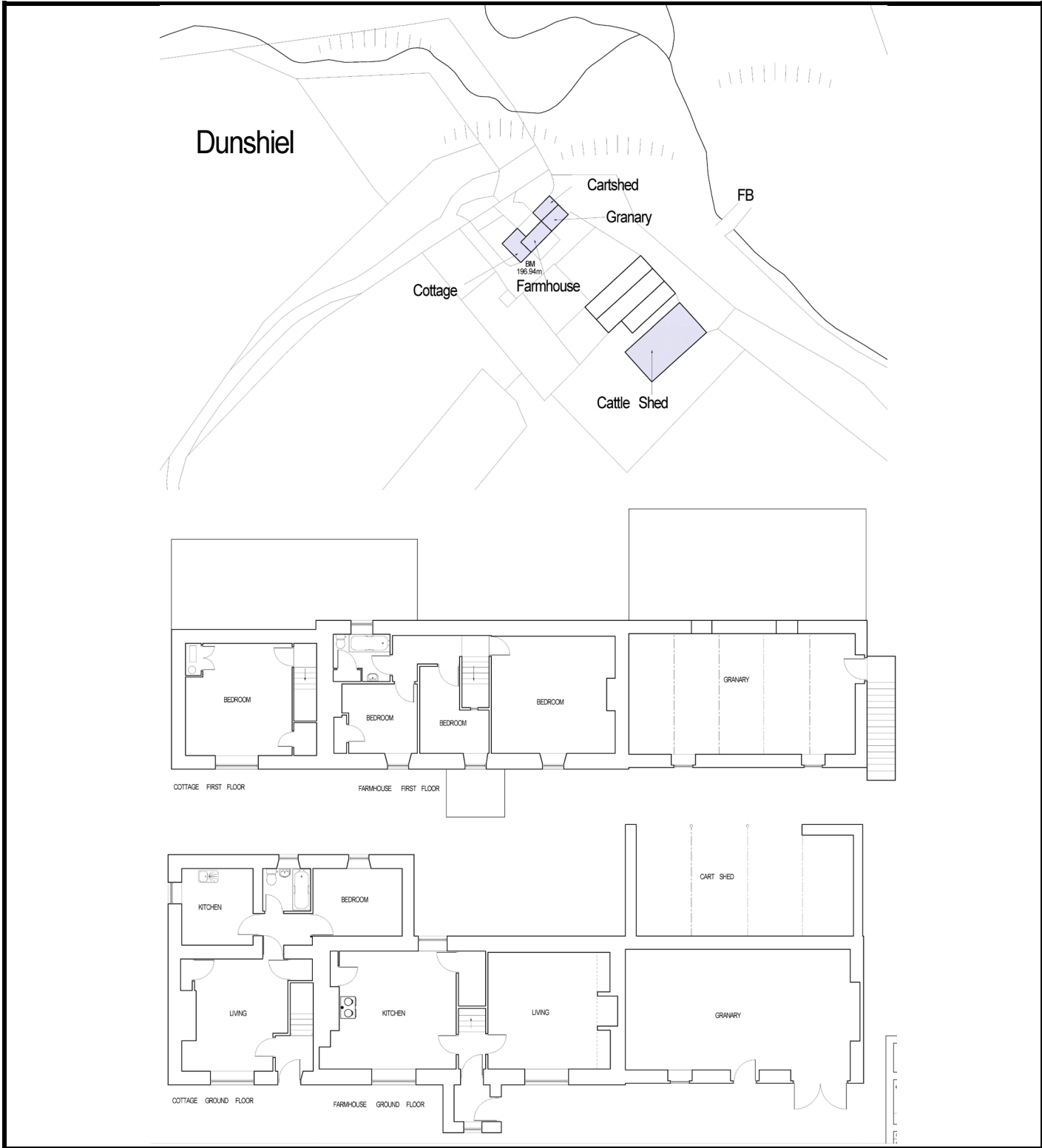


SITE PHOTOGRAPHS



 **SITE PHOTOGRAPHS** 





EXISTING SITE LAYOUT PLAN





APPENDIX II

COAL AUTHORITY, CONSULTANTS COAL MINING REPORT





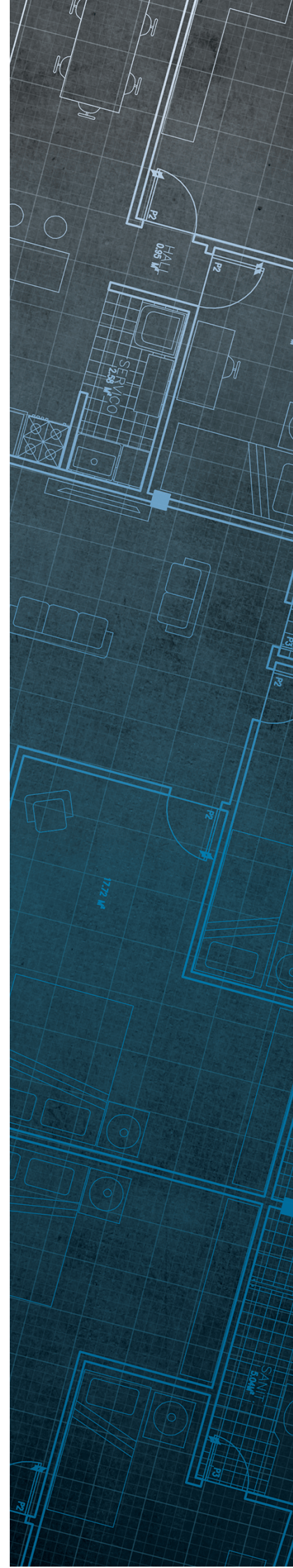
The Coal
Authority

Consultants Coal Mining Report

Dunshiel Farm
Elsdon
Rothbury
Northumberland
NE19 1AQ

Date of enquiry: 8 May 2020
Date enquiry received: 8 May 2020
Issue date: 8 May 2020

Our reference: 51002284132001
Your reference: GEOL20-9700



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

GEOL CONSULTANTS LTD

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Dunshiel Farm
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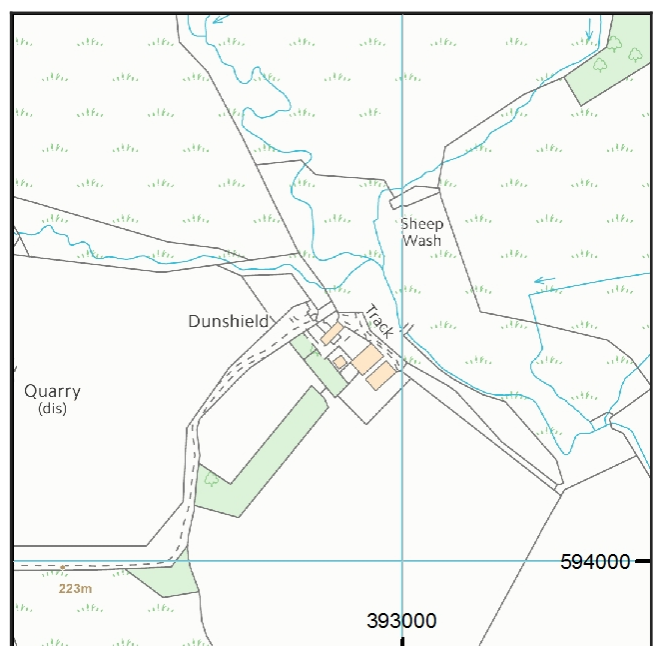
[Redacted contact information]

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

None available.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.


Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

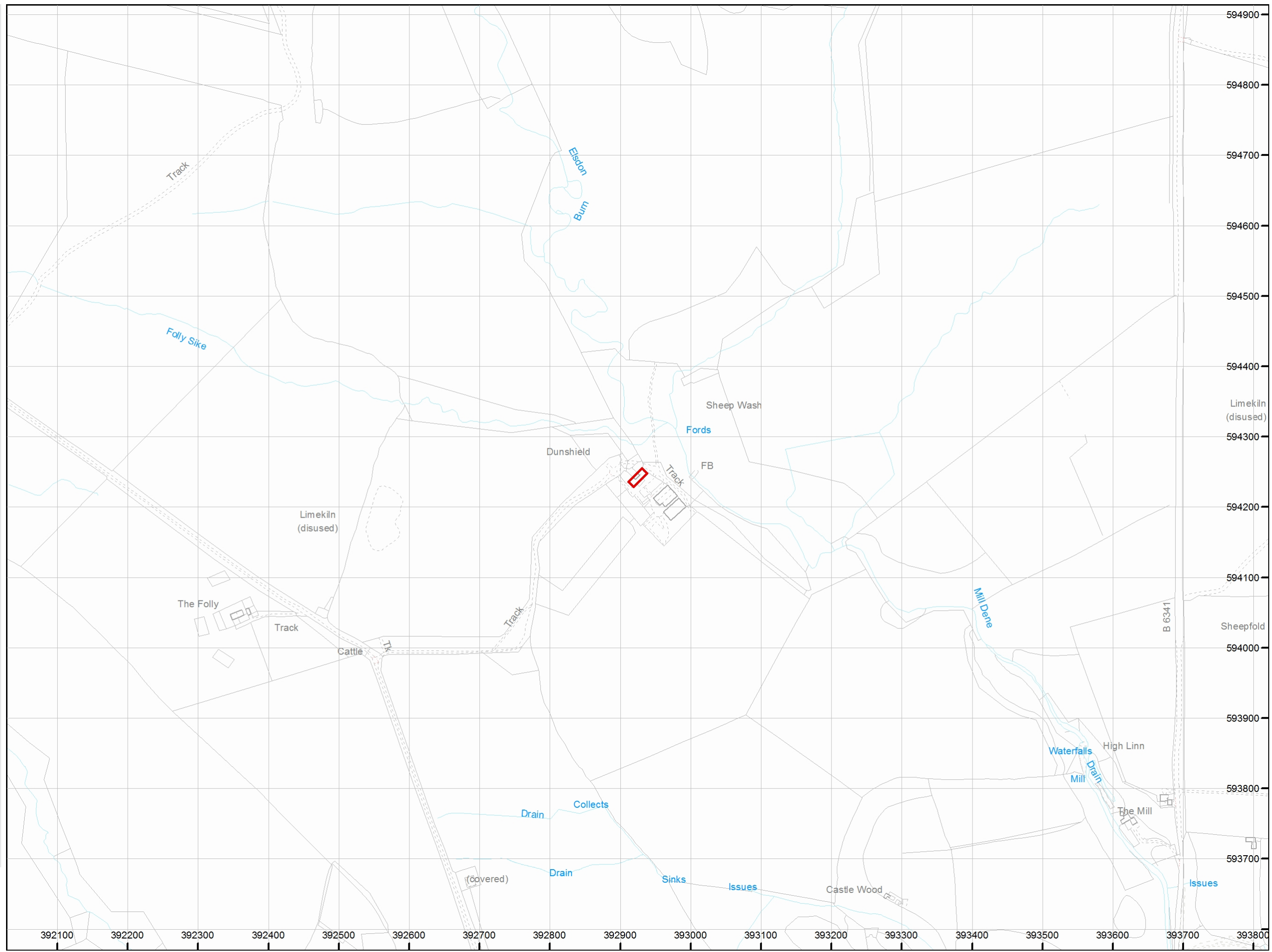
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The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 

How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com





APPENDIX III

LANDMARK INFORMATION GROUP, ENVIROCHECK REPORT

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

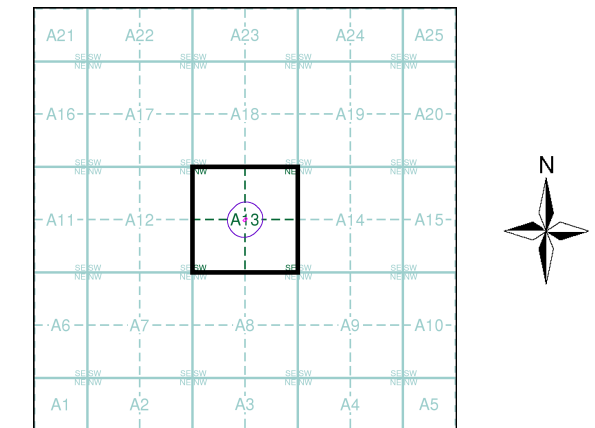
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northumberland	1:2,500	1895	2
Northumberland	1:2,500	1897	3
Northumberland	1:2,500	1923	4
Ordnance Survey Plan	1:2,500	1976	5
Large-Scale National Grid Data	1:2,500	1995	6

Historical Map - Segment A13



Order Details

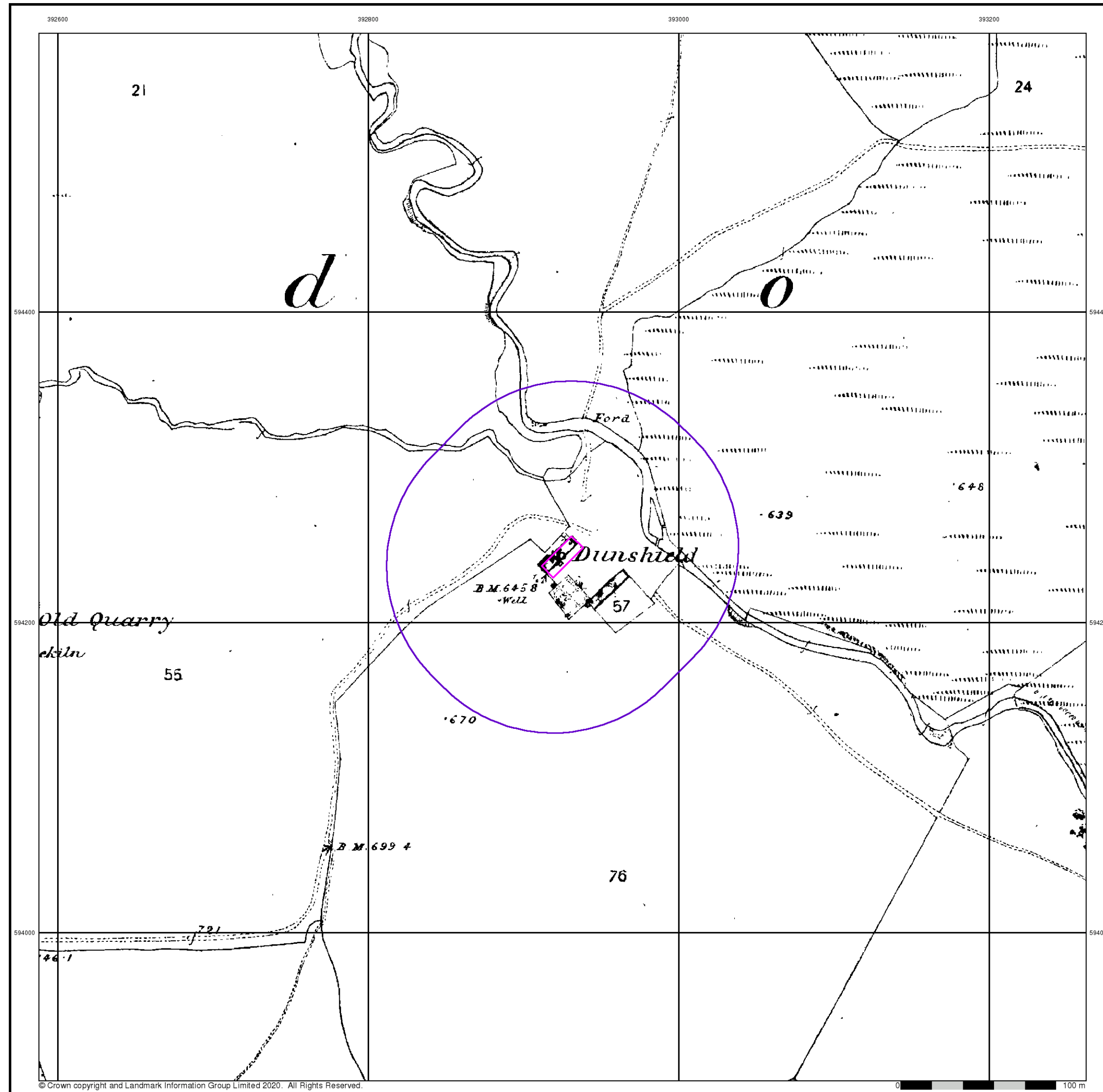
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 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 100

Site Details

Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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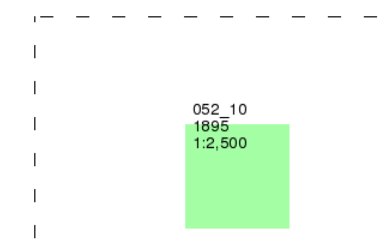
Northumberland

Published 1895

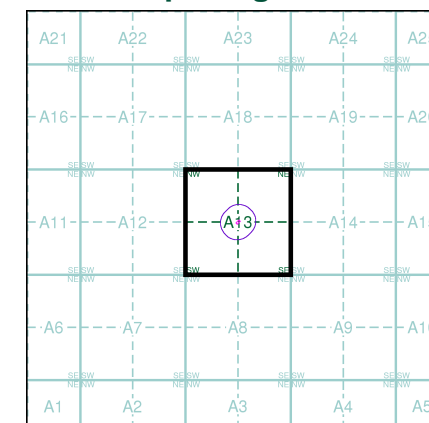
Source map scale - 1:2,500

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



Order Details

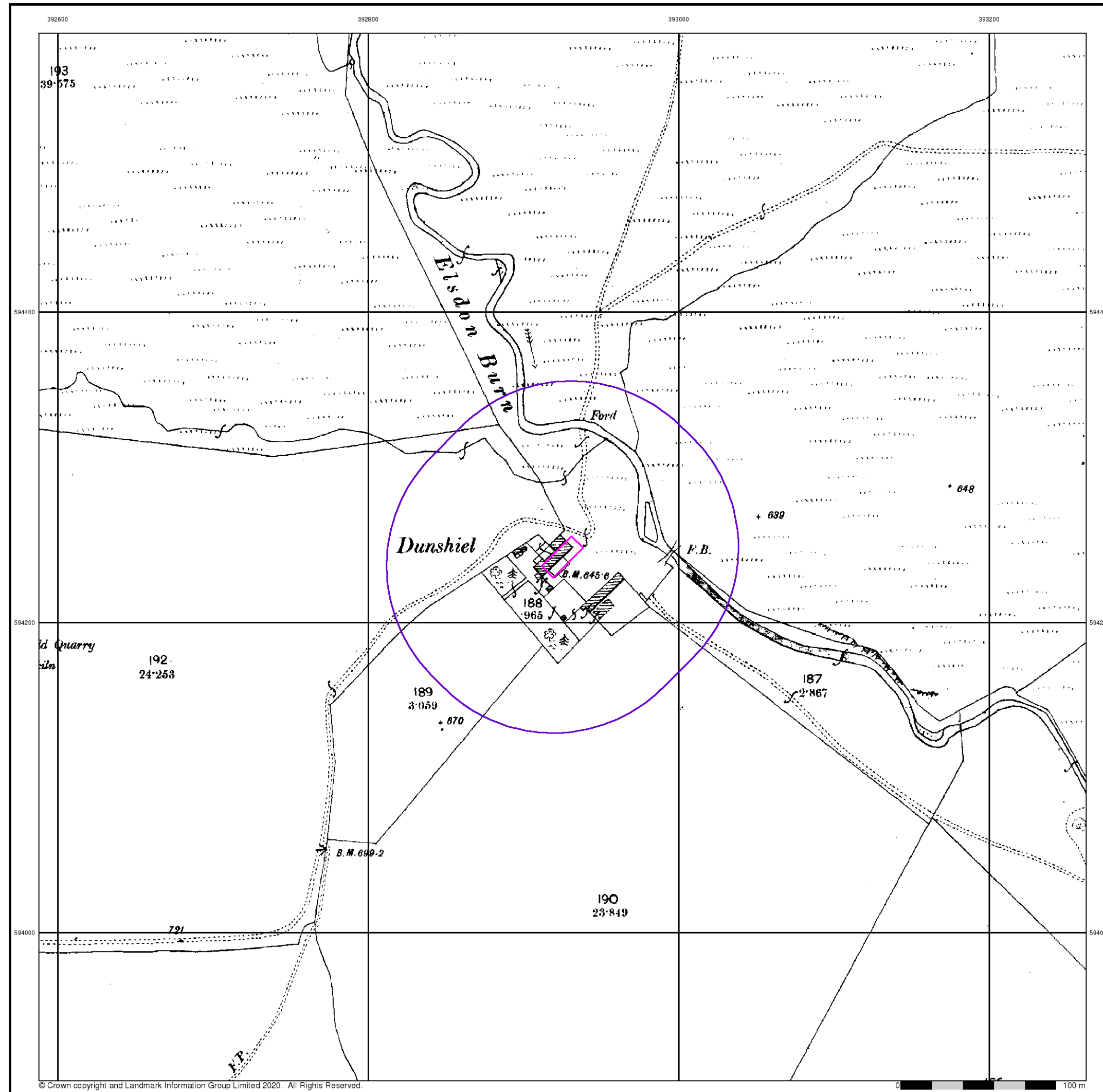
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 Slice: A
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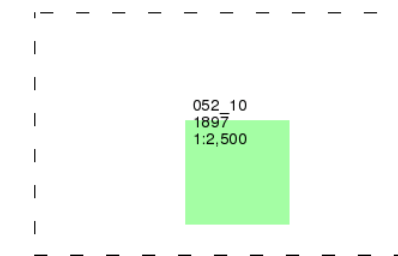
Northumberland

Published 1897

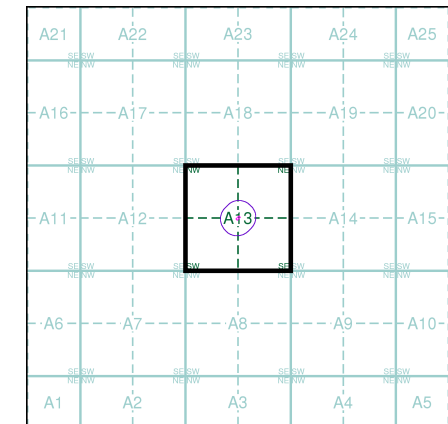
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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392600

392800

393000

393200

193
39 575

594400

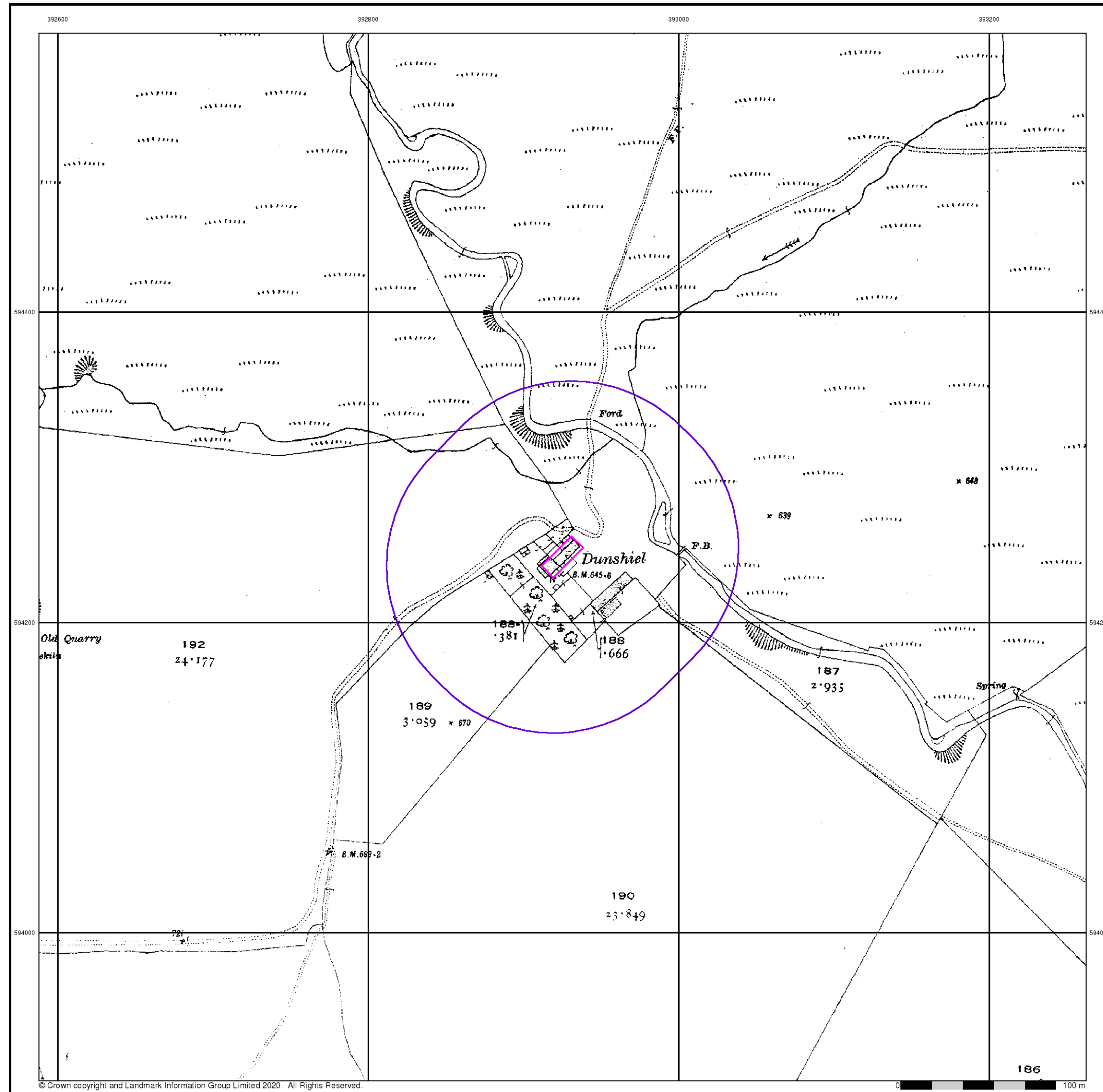
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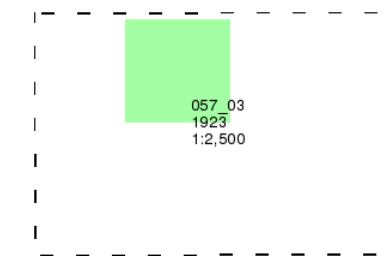
Northumberland

Published 1923

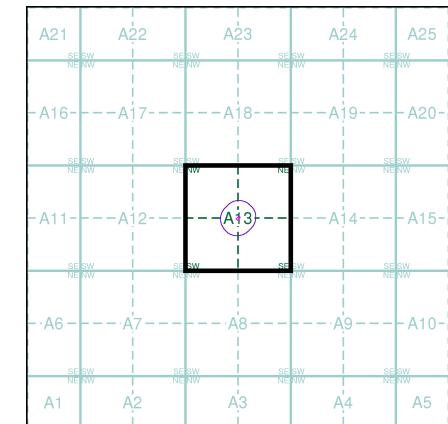
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
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Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	-285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		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		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

1:10,000 Raster Mapping

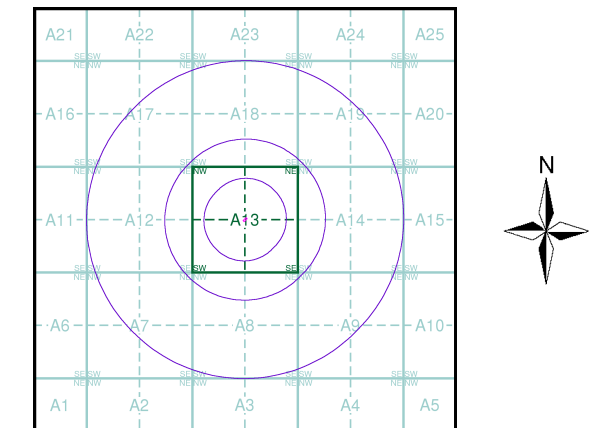
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northumberland	1:10,560	1866	2
Northumberland	1:10,560	1924 - 1925	3
Northumberland	1:10,560	1925	4
Northumberland	1:10,560	1925	5
Northumberland	1:10,560	1951	6
Ordnance Survey Plan	1:10,000	1957	7
Ordnance Survey Plan	1:10,000	1978	8
Ordnance Survey Plan	1:10,000	1982	9
10K Raster Mapping	1:10,000	2000	10
Street View	Variable		11

Historical Map - Slice A



Order Details

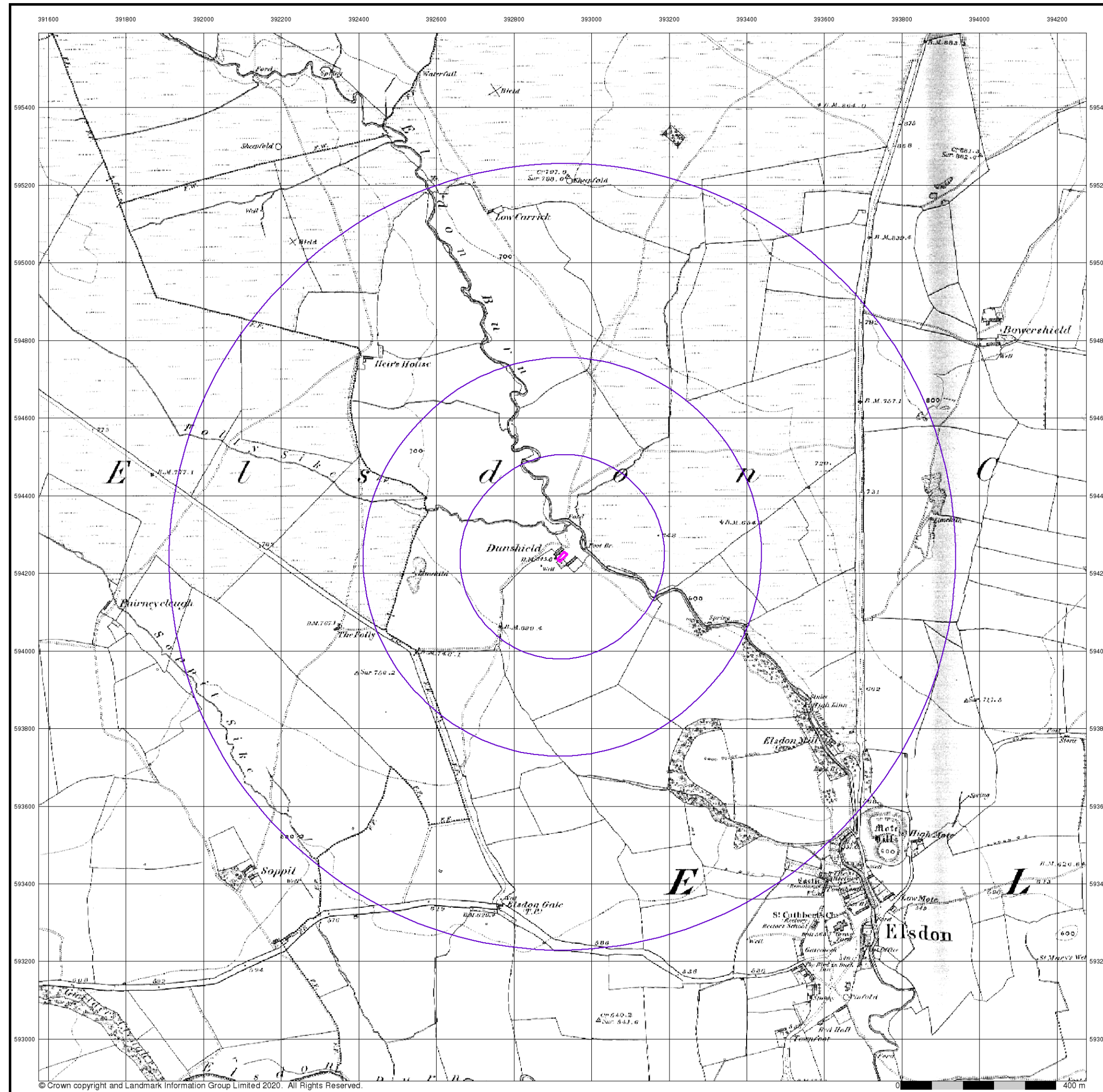
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 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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 Web: www.envirocheck.co.uk



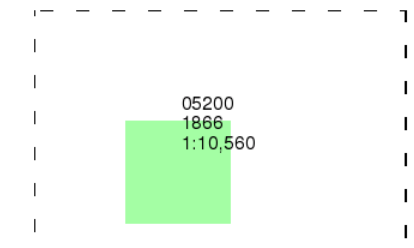
Northumberland

Published 1866

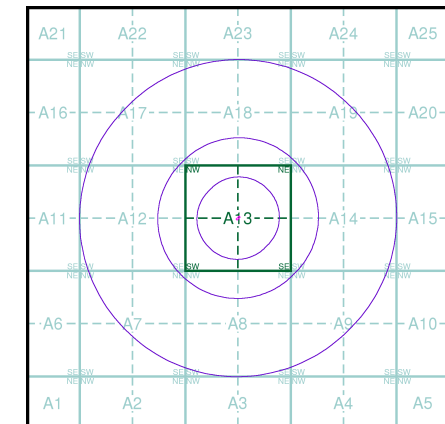
Source map scale - 1:10,560

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

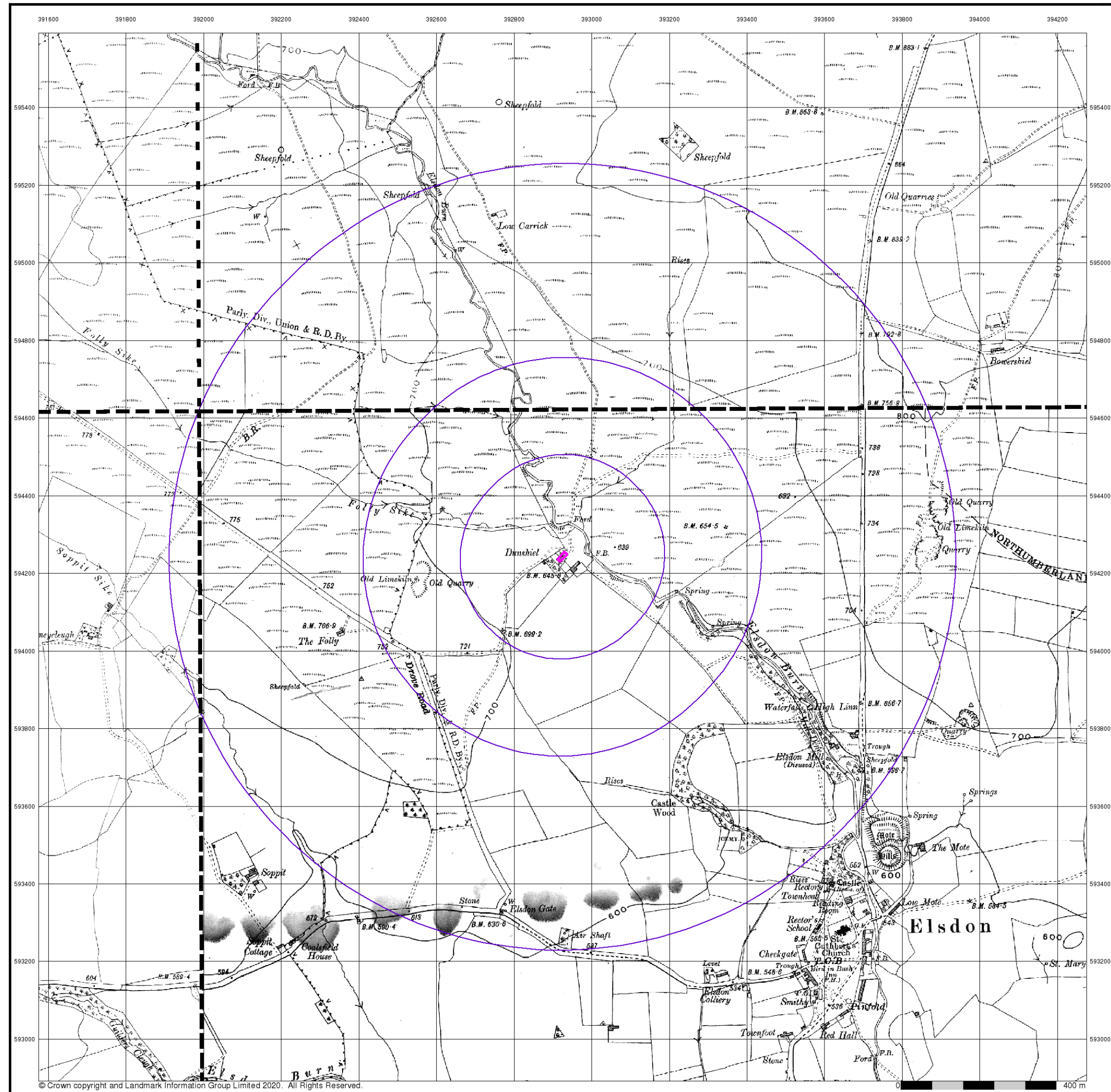
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Northumberland

Published 1924 - 1925

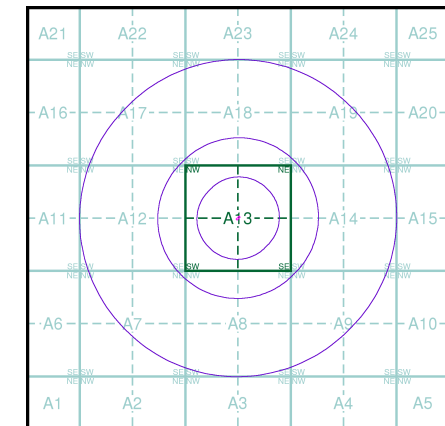
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Map Name(s) and Date(s)

048SW 1925 1:10,560	048SE 1925 1:10,560
057NW 1925 1:10,560	057NE 1924 1:10,560

Historical Map - Slice A



Order Details

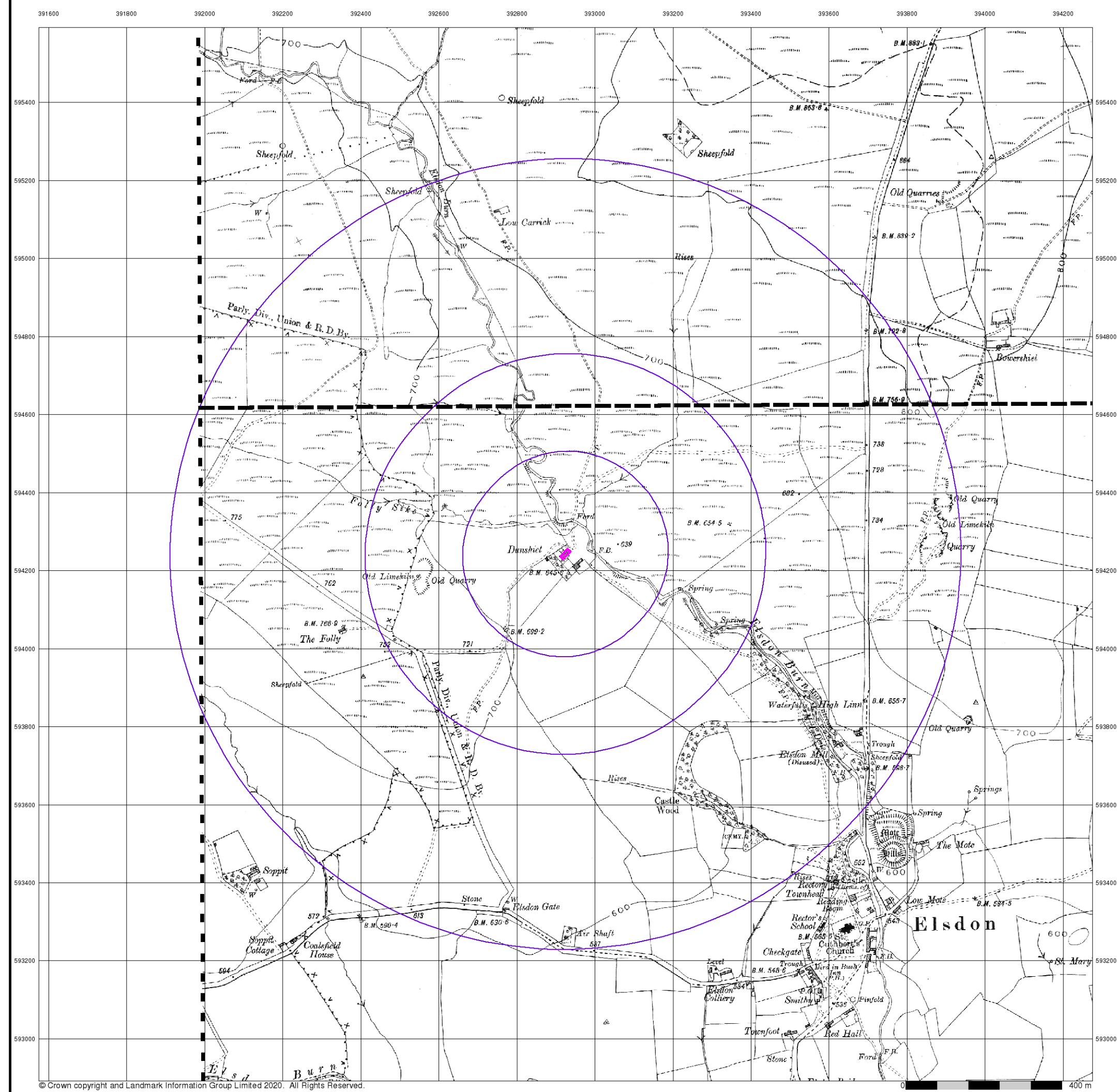
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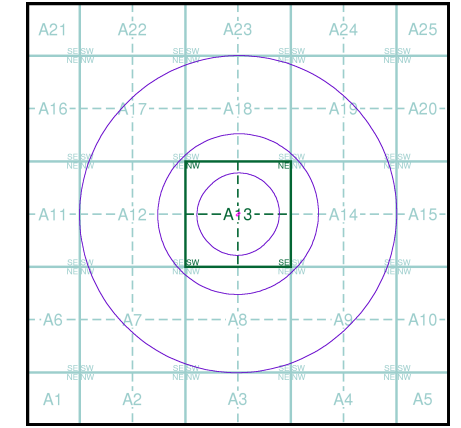
Northumberland
Published 1925
Source map scale - 1:10,560

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)

048SE	1925	1:10,560
057NE	1925	1:10,560

Historical Map - Slice A



Order Details

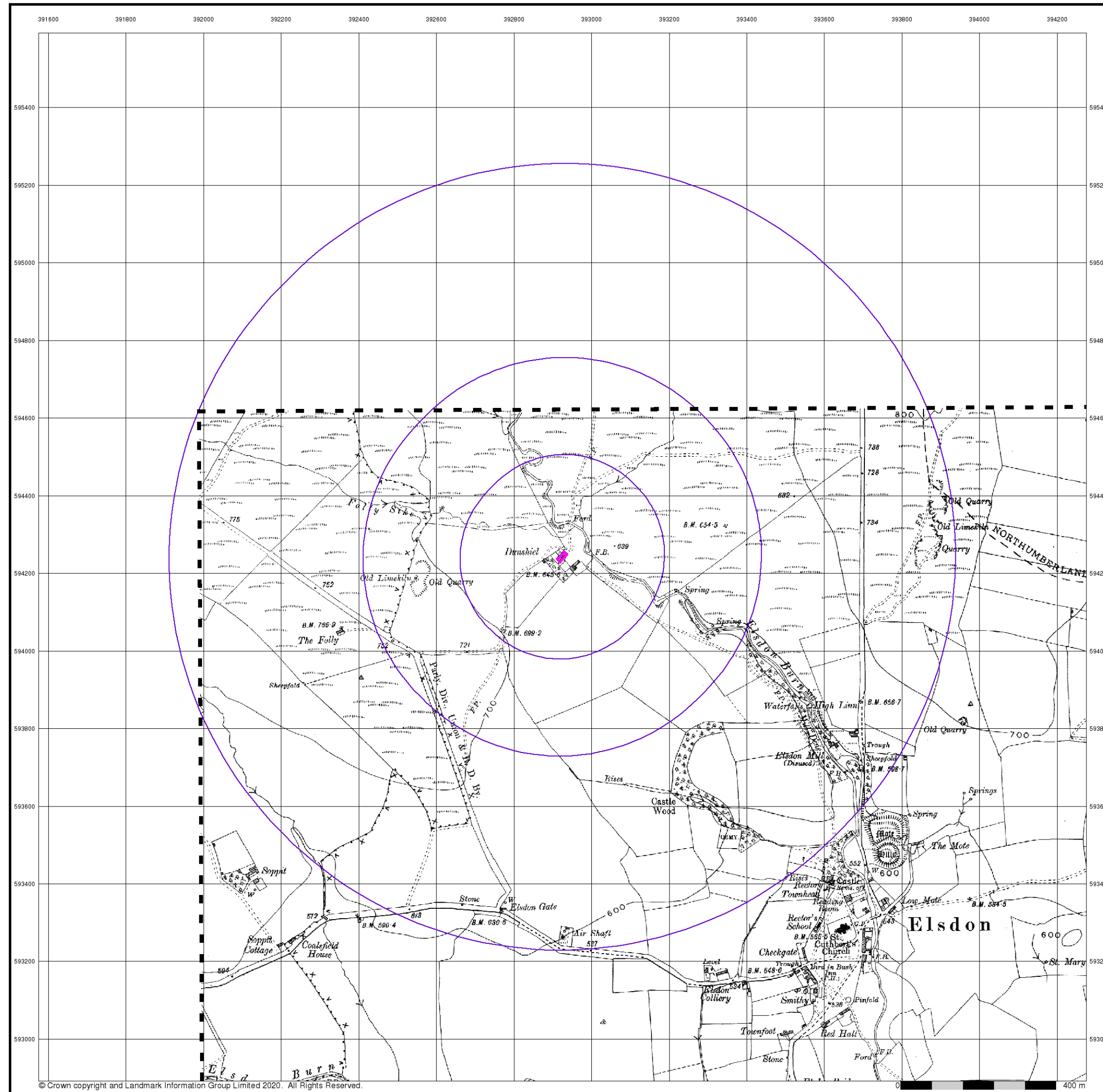
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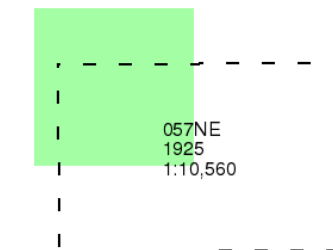
Northumberland

Published 1925

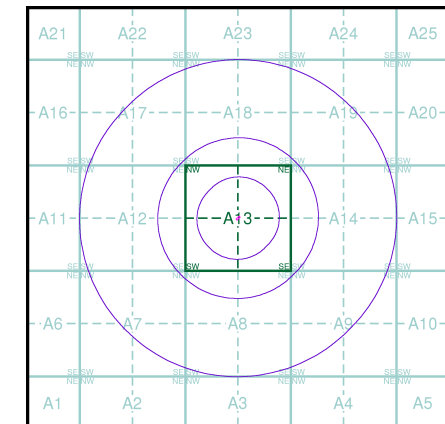
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

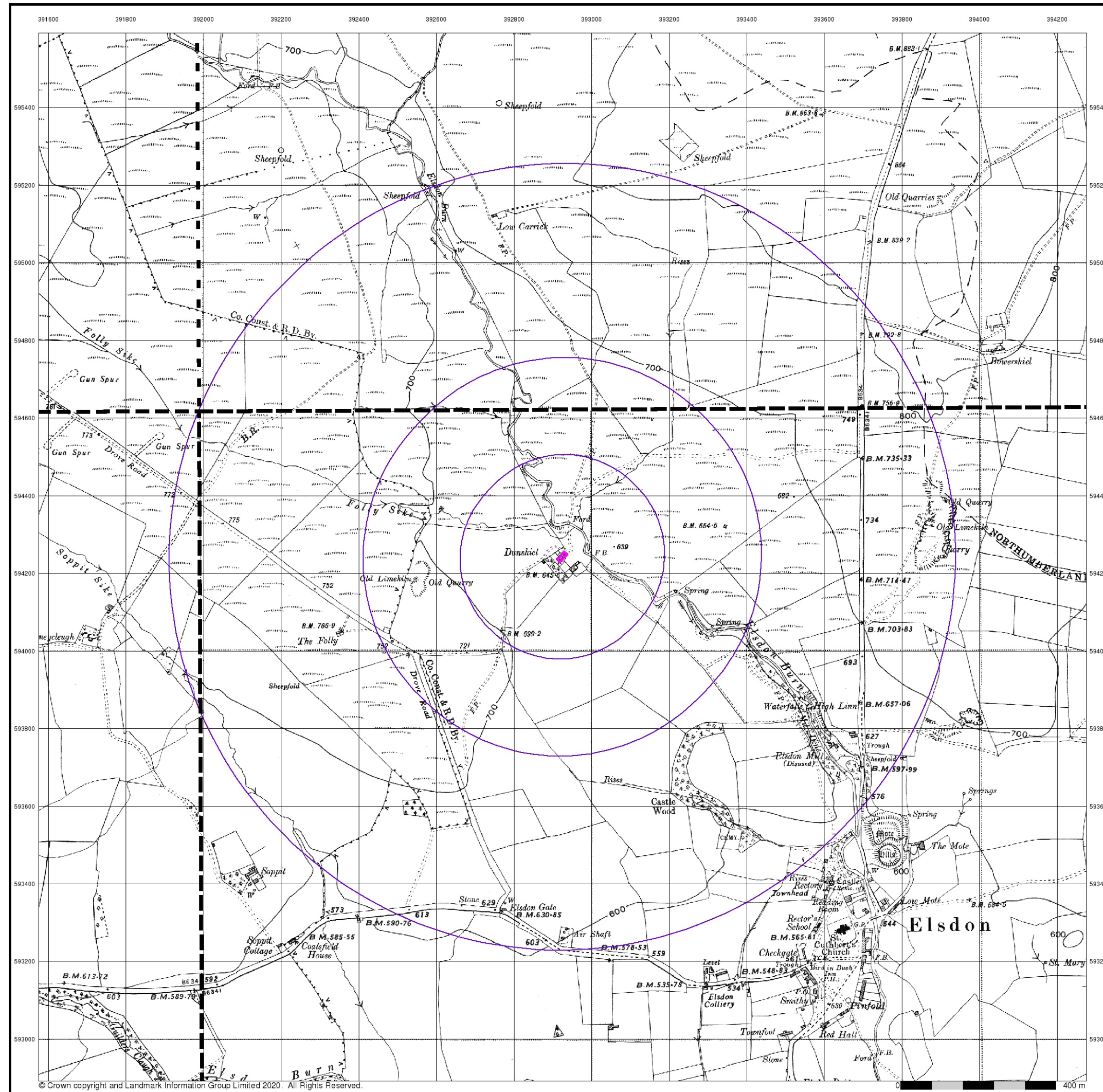
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 Search Buffer (m): 1000

Site Details

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Northumberland

Published 1951

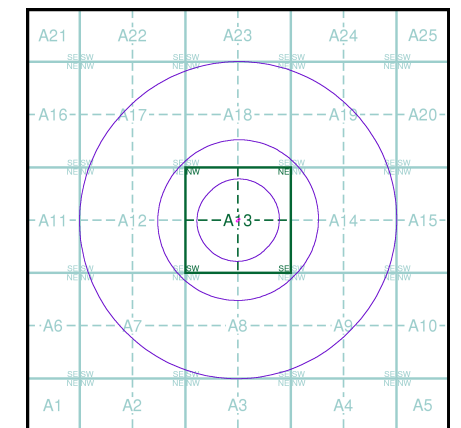
Source map scale - 1:10,560

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)

048SW 1951 1:10,560	048SE 1951 1:10,560
057NW 1951 1:10,560	057NE 1951 1:10,560

Historical Map - Slice A



Order Details

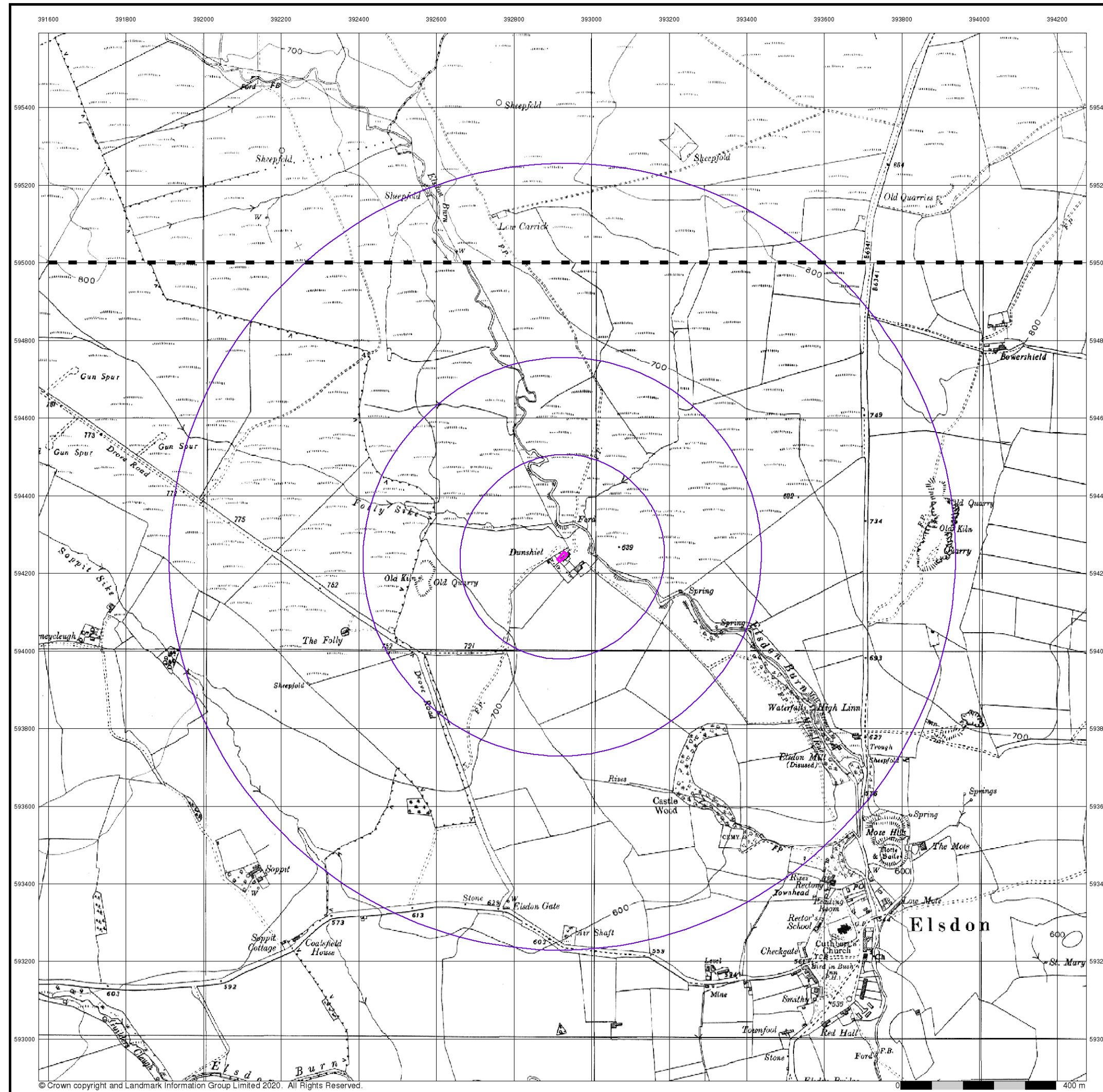
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Dunshiell Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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Ordnance Survey Plan

Published 1957

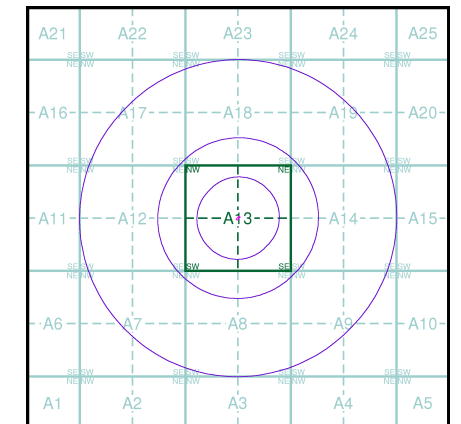
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

NY99NW	1957
1:10,560	
NY99SW	1957
1:10,560	

Historical Map - Slice A



Order Details

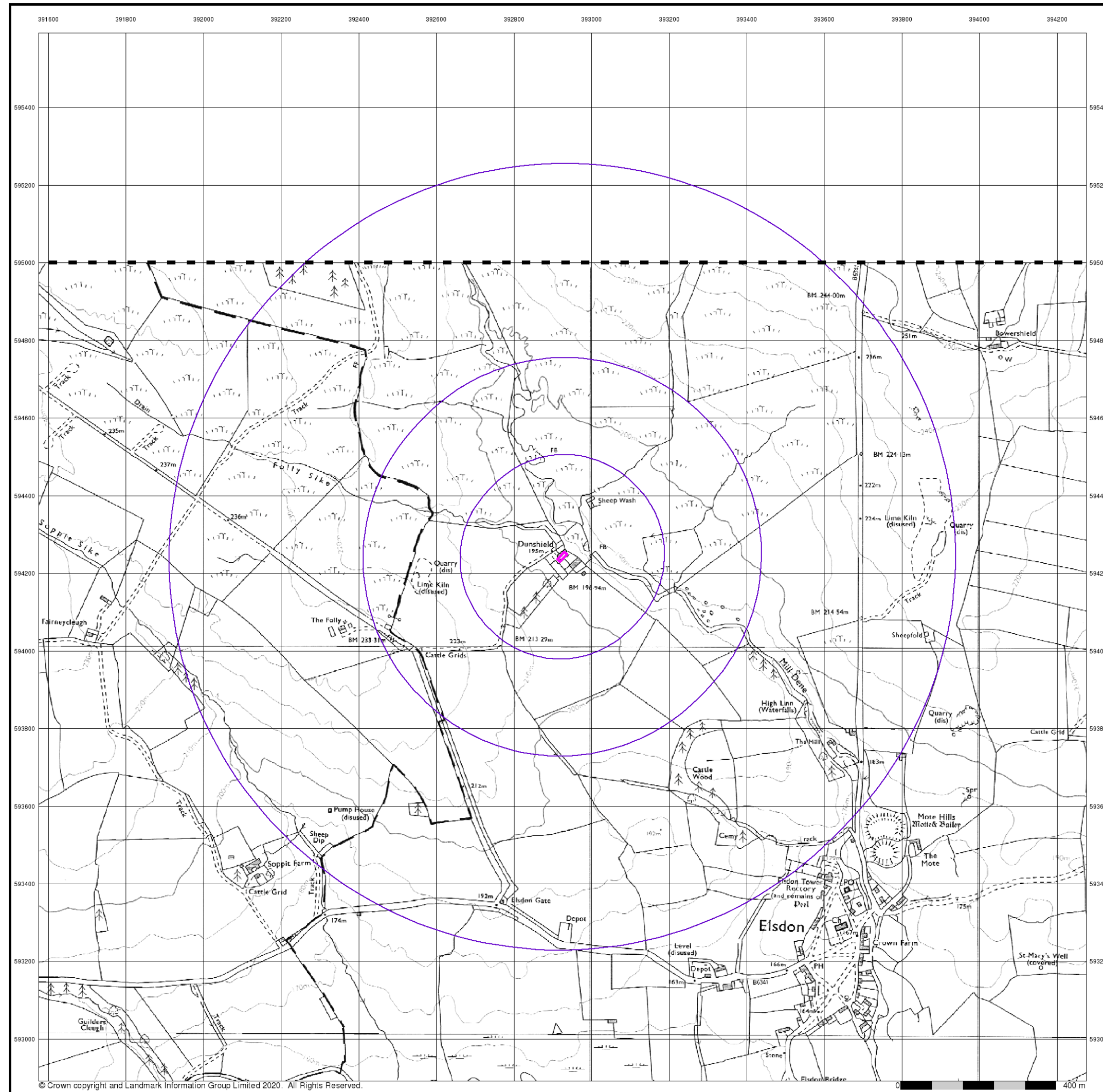
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
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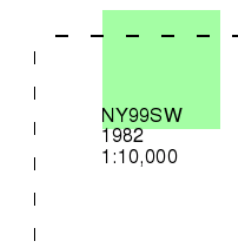
Ordnance Survey Plan

Published 1982

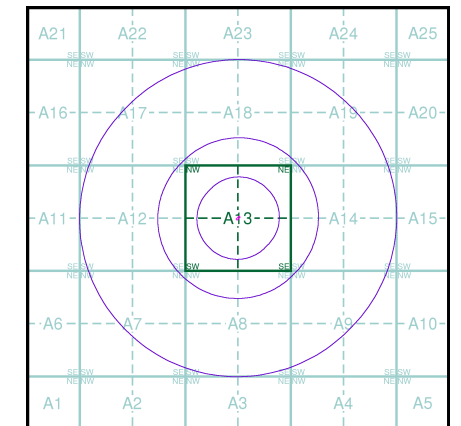
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

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10k Raster Mapping

Published 2000

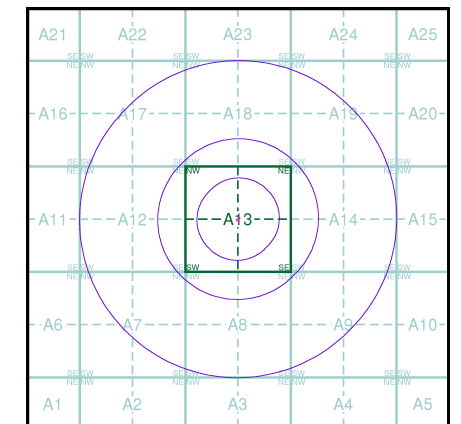
Source map scale - 1:10,000

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)

NY99NW	2000	1:10,000
NY99SW	2000	1:10,000

Historical Map - Slice A



Order Details

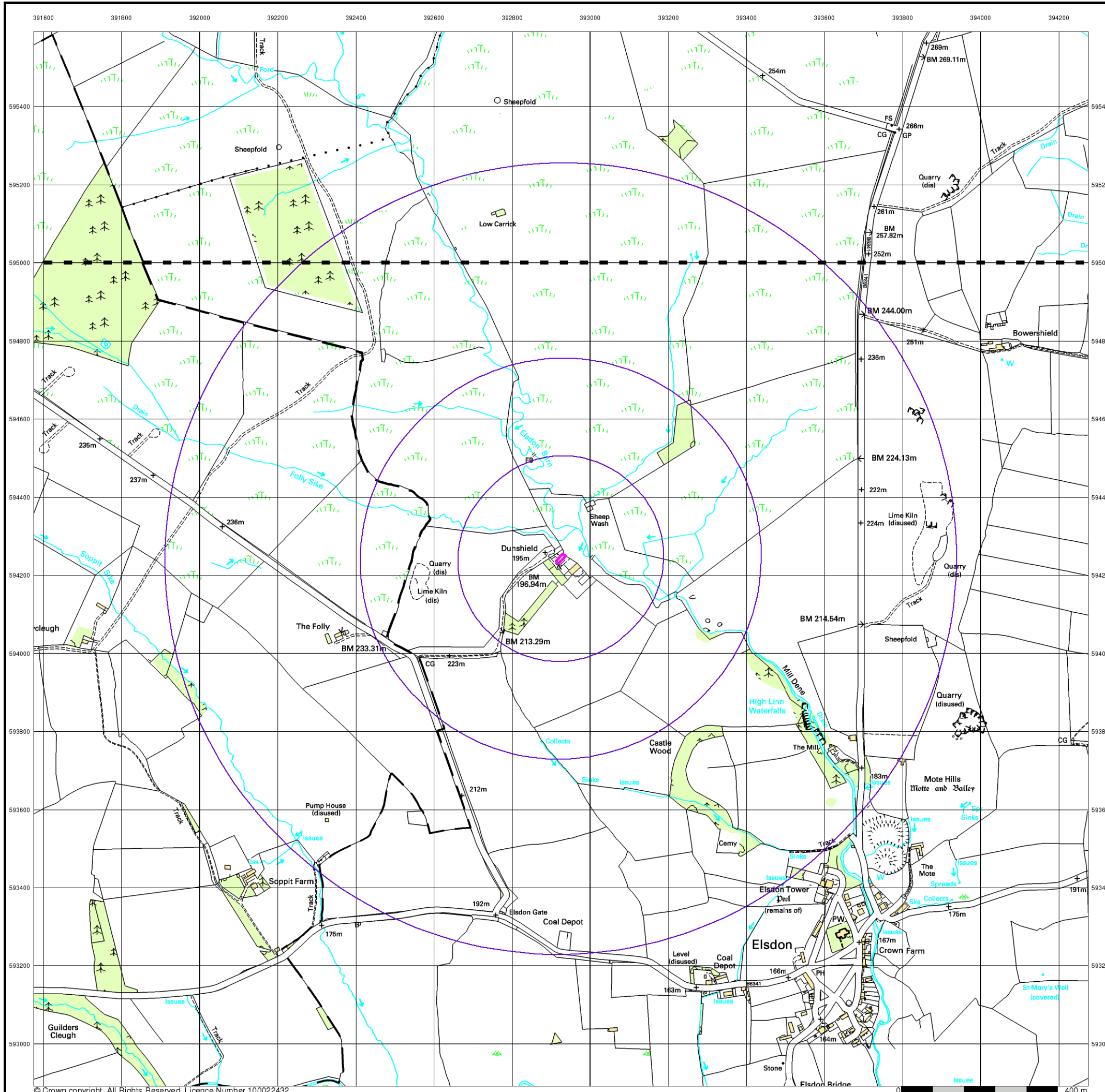
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Site Details

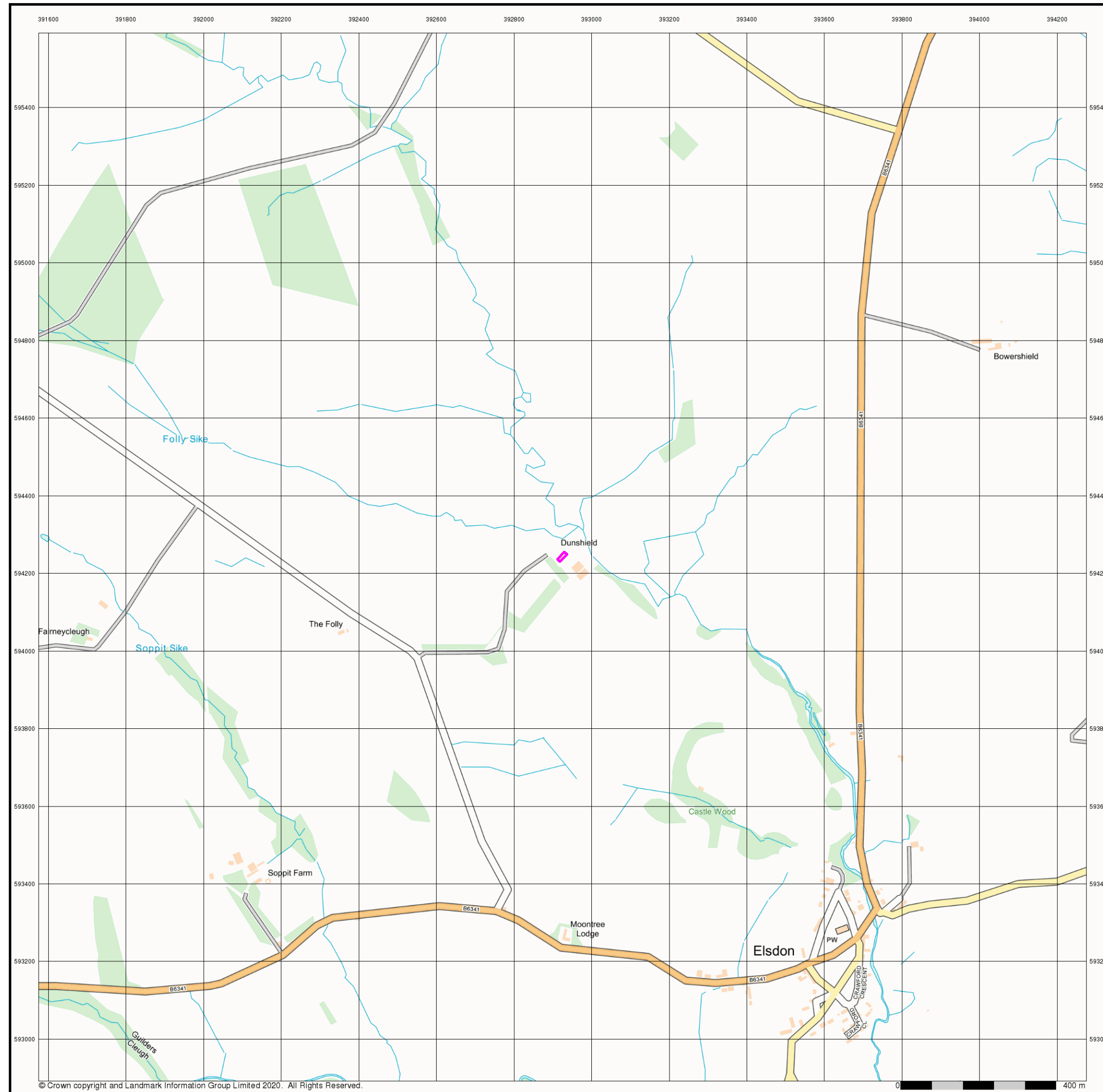
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Street View

Published 2020

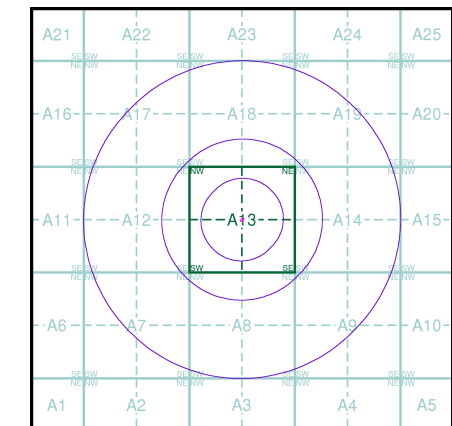
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

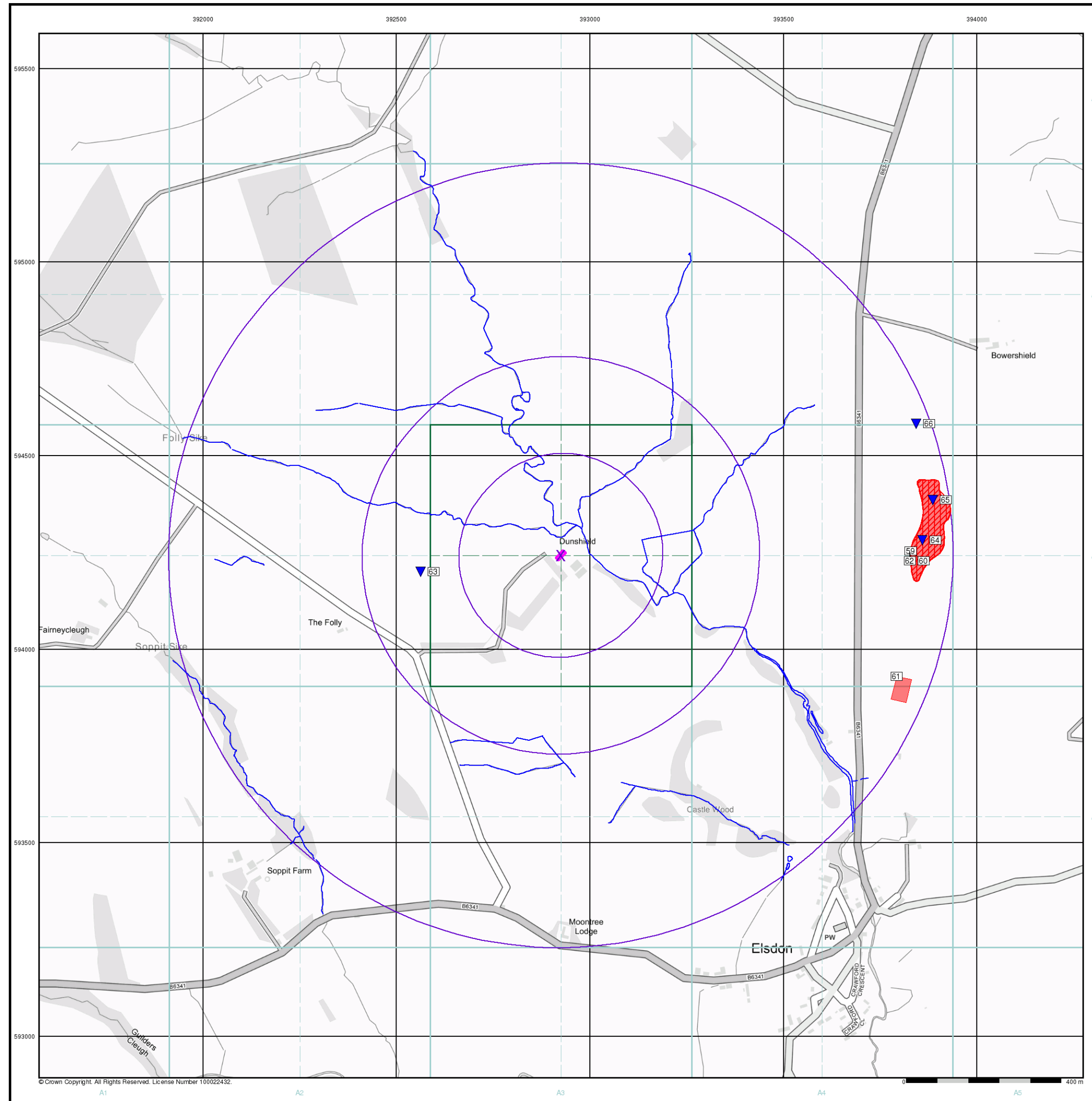
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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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

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
- 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

Geological

- BGS Recorded Mineral Site

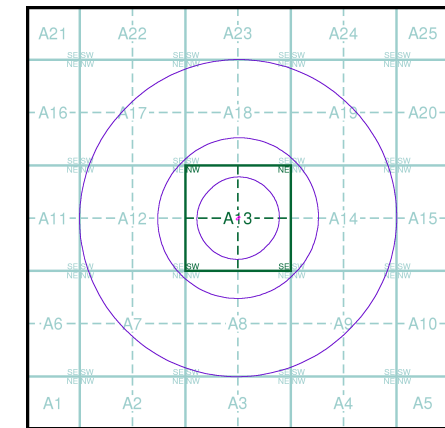
Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Hazardous Substances

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

Site Sensitivity Map - Slice A



Order Details

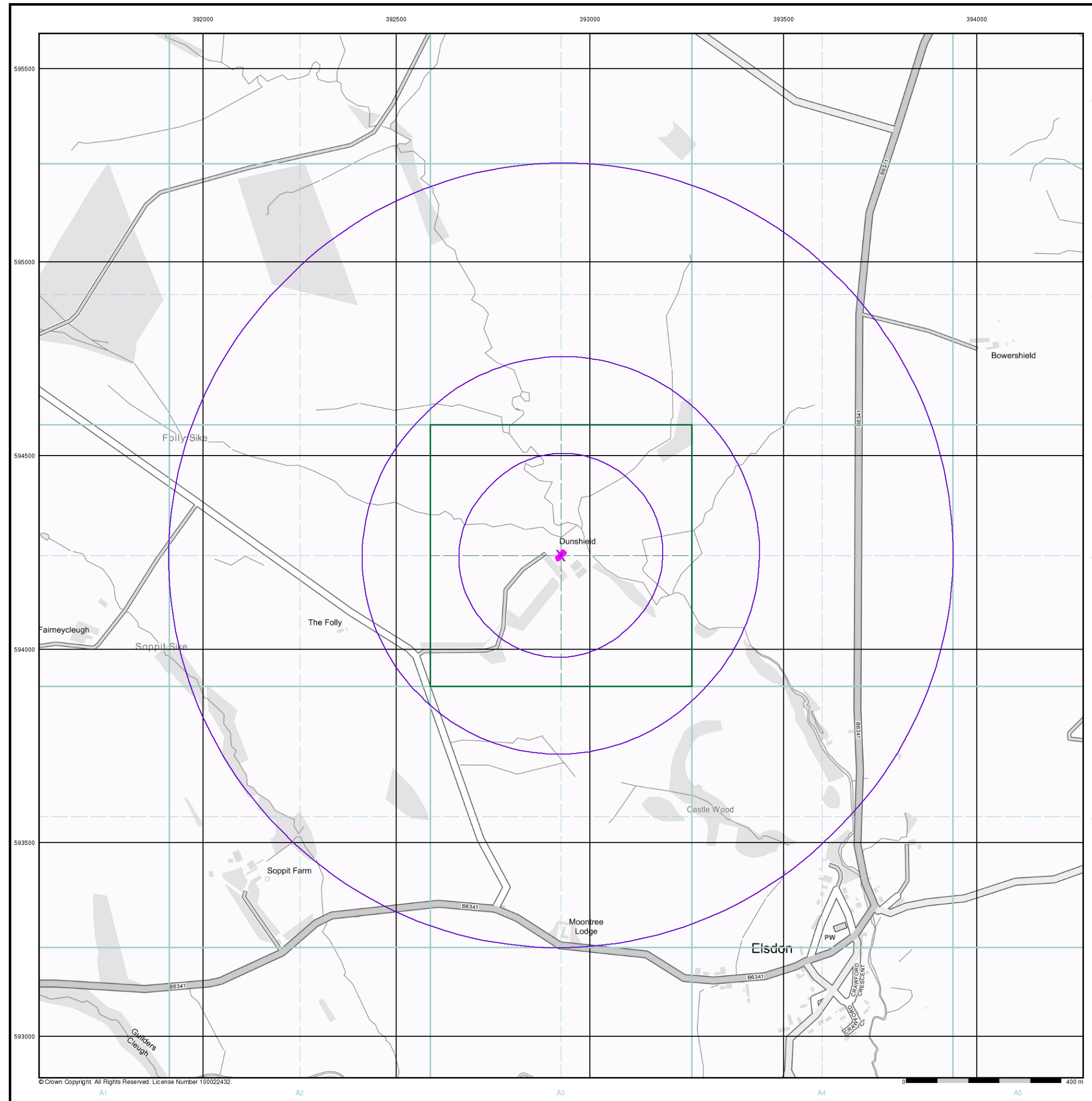
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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Industrial Land Use Map

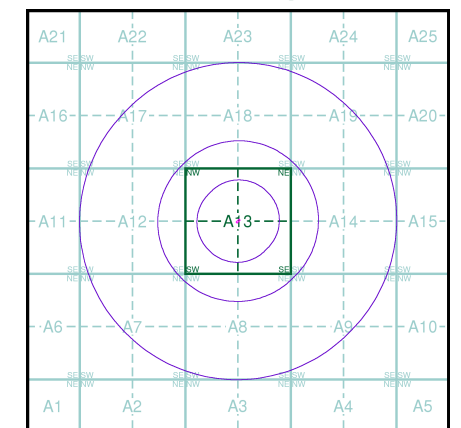
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

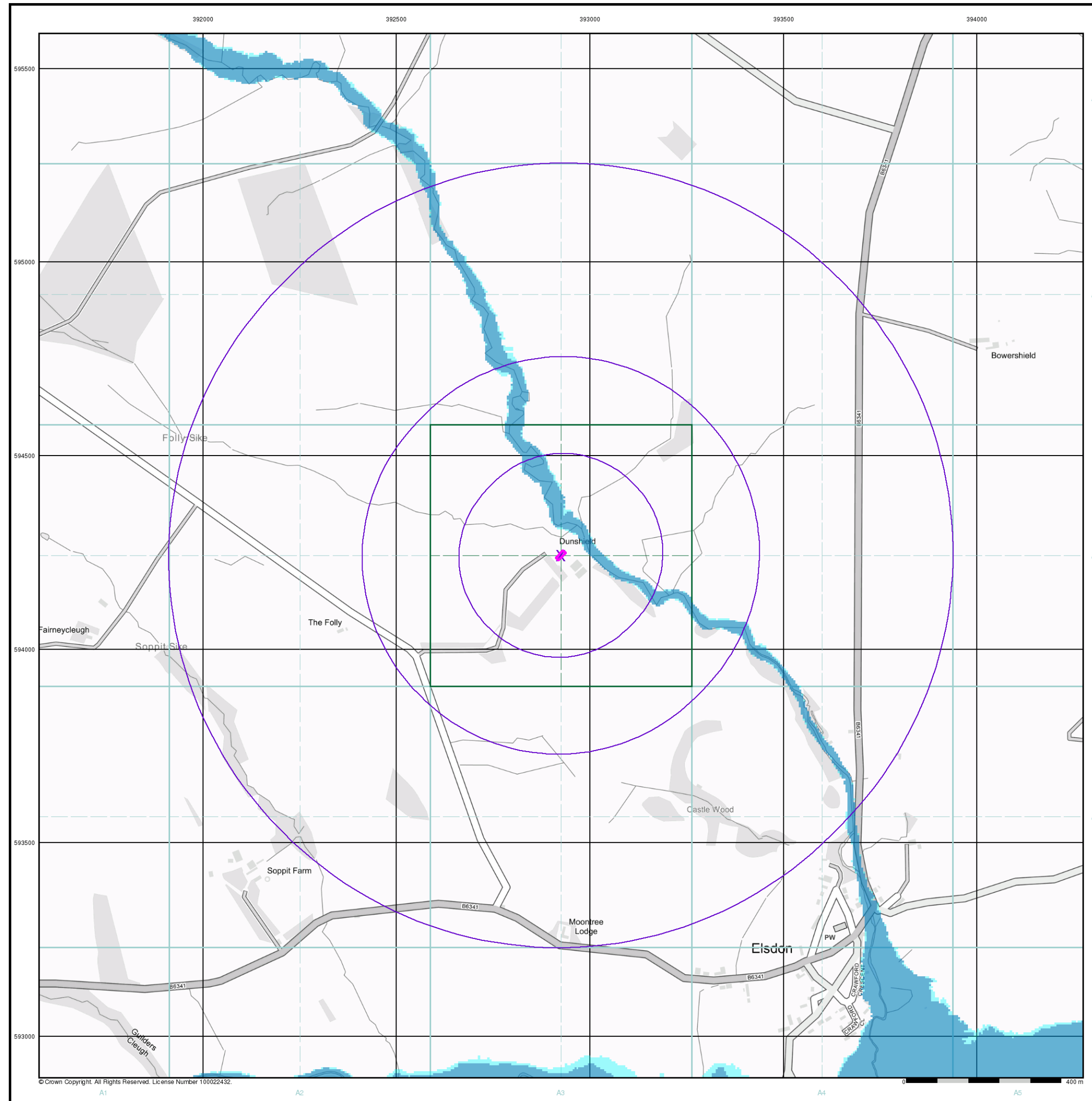
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
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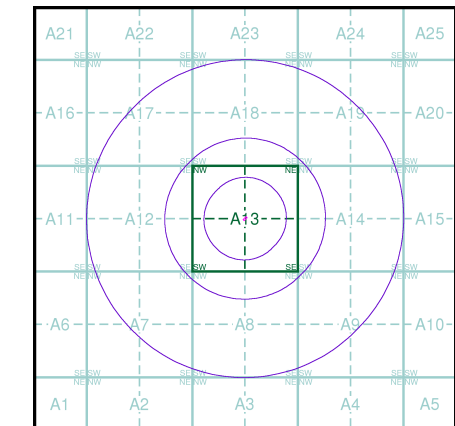
General

- 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

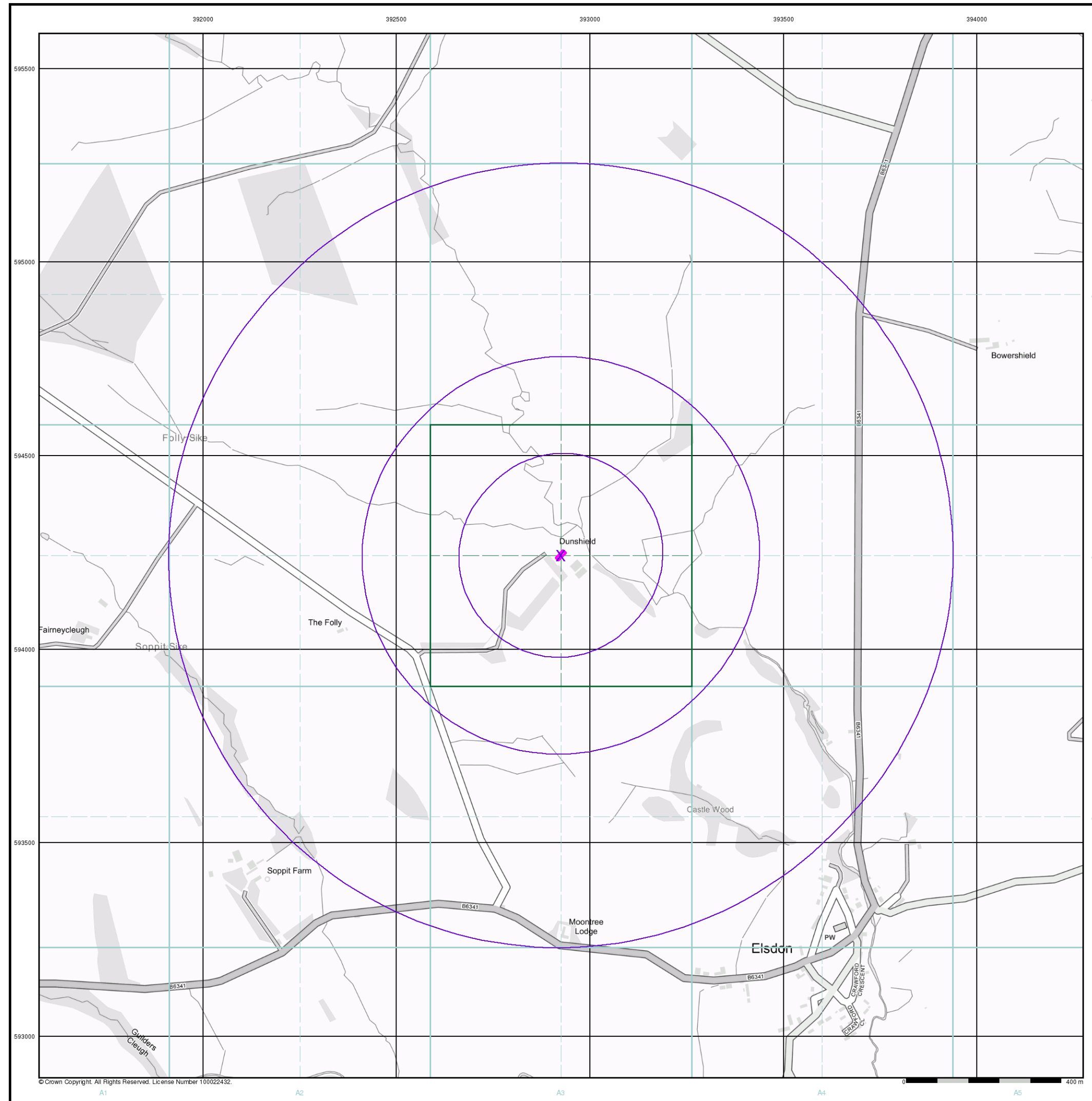
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

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 Web: www.envirocheck.co.uk



General

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

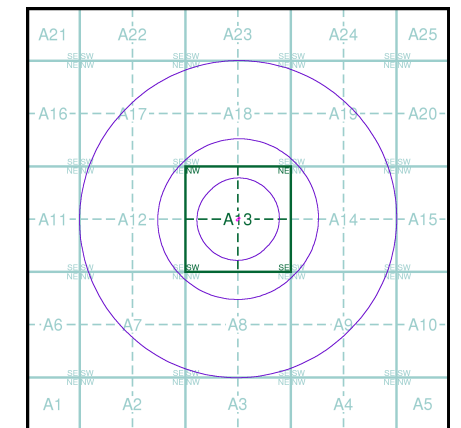
Agency and Hydrological (Boreholes)

- 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

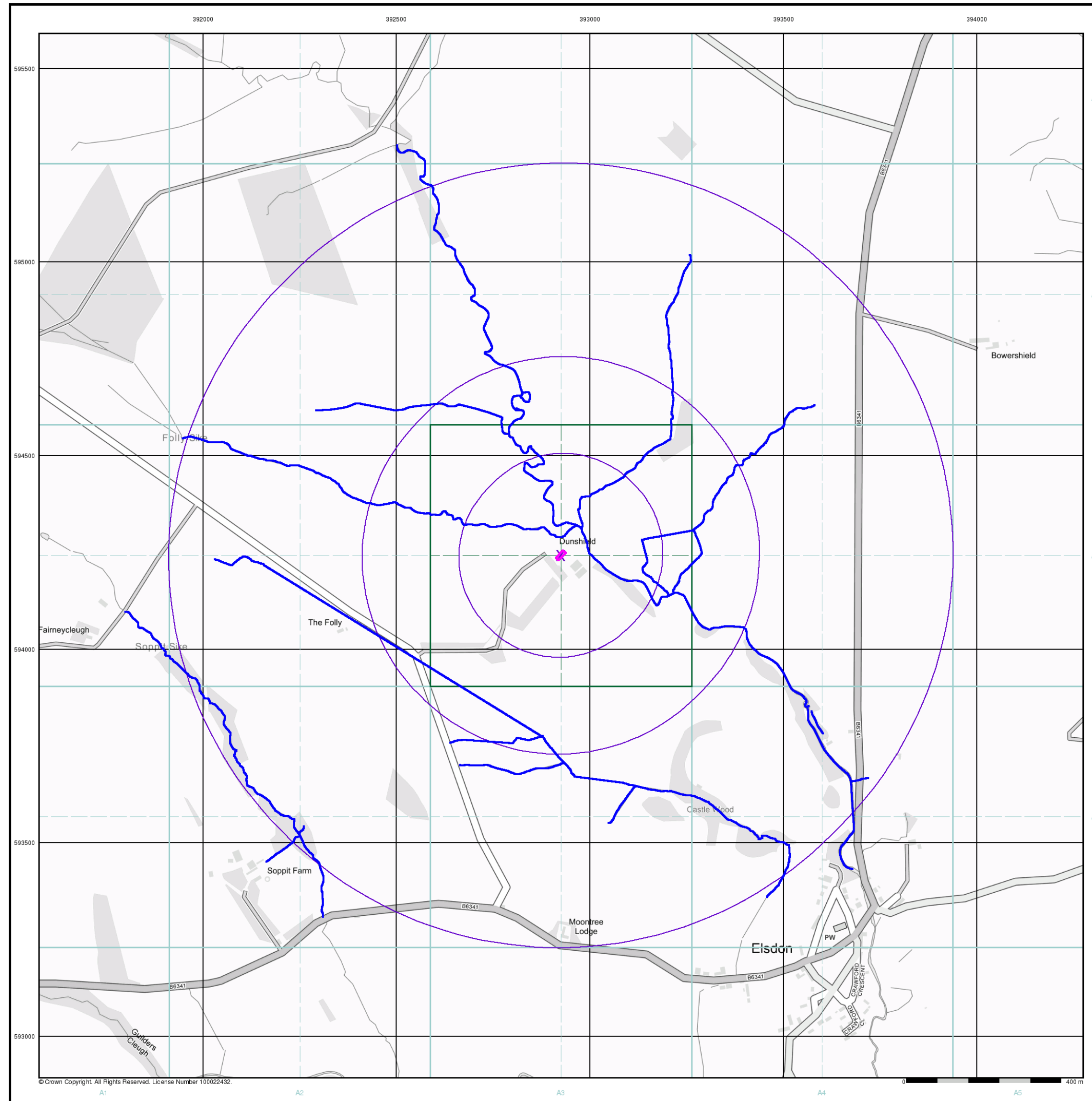
Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

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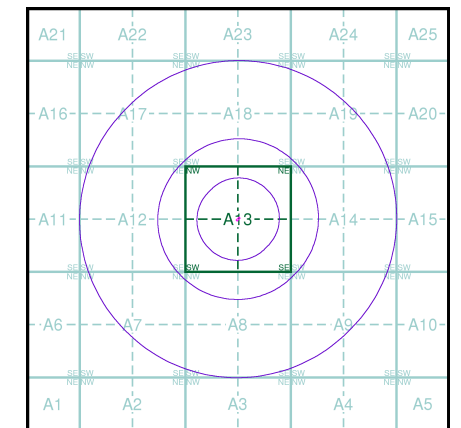
General

- 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 |

OS Water Network Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

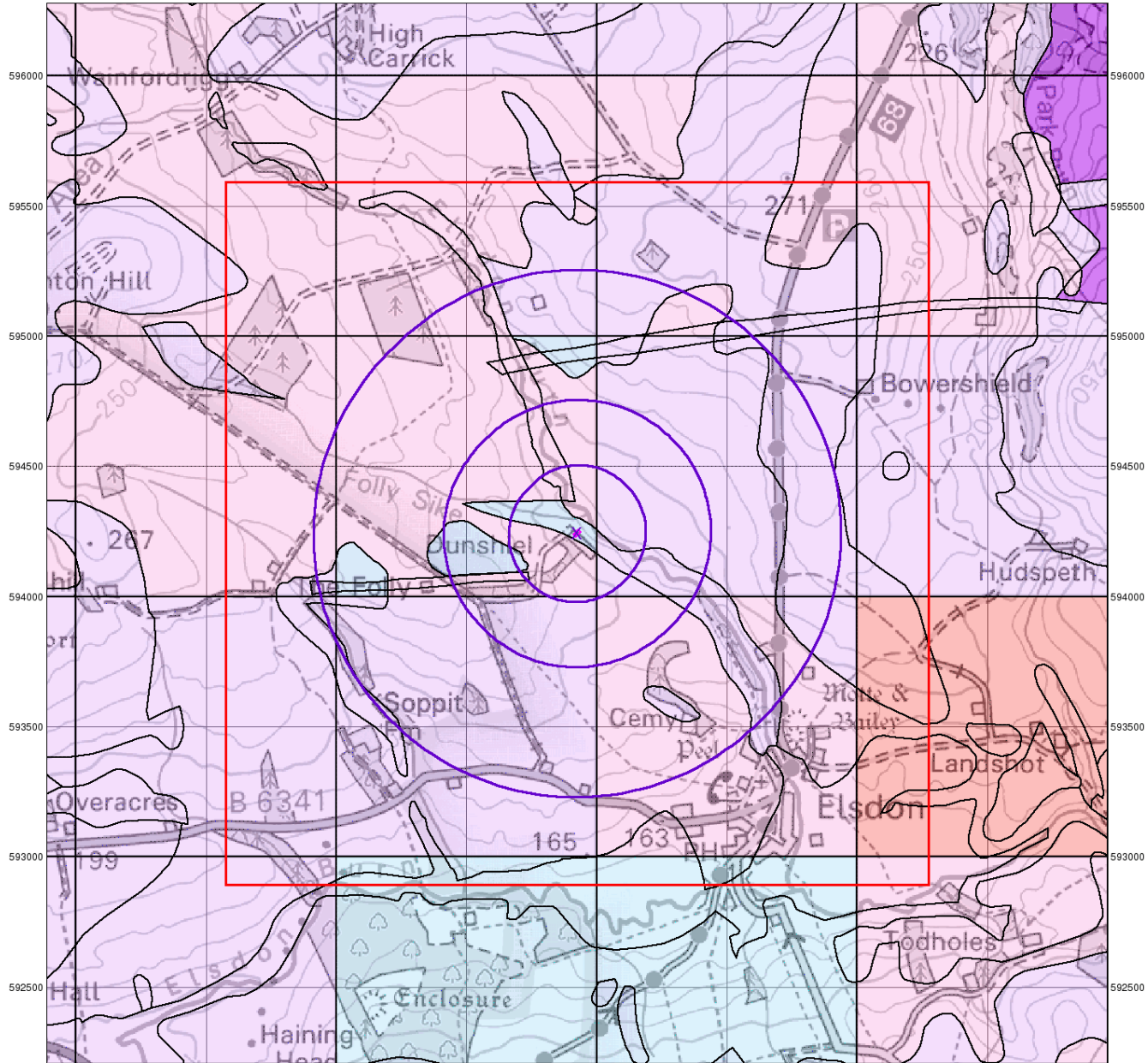
Site Details

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Groundwater Vulnerability

General

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

Agency and Hydrological

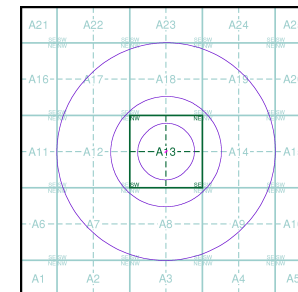
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

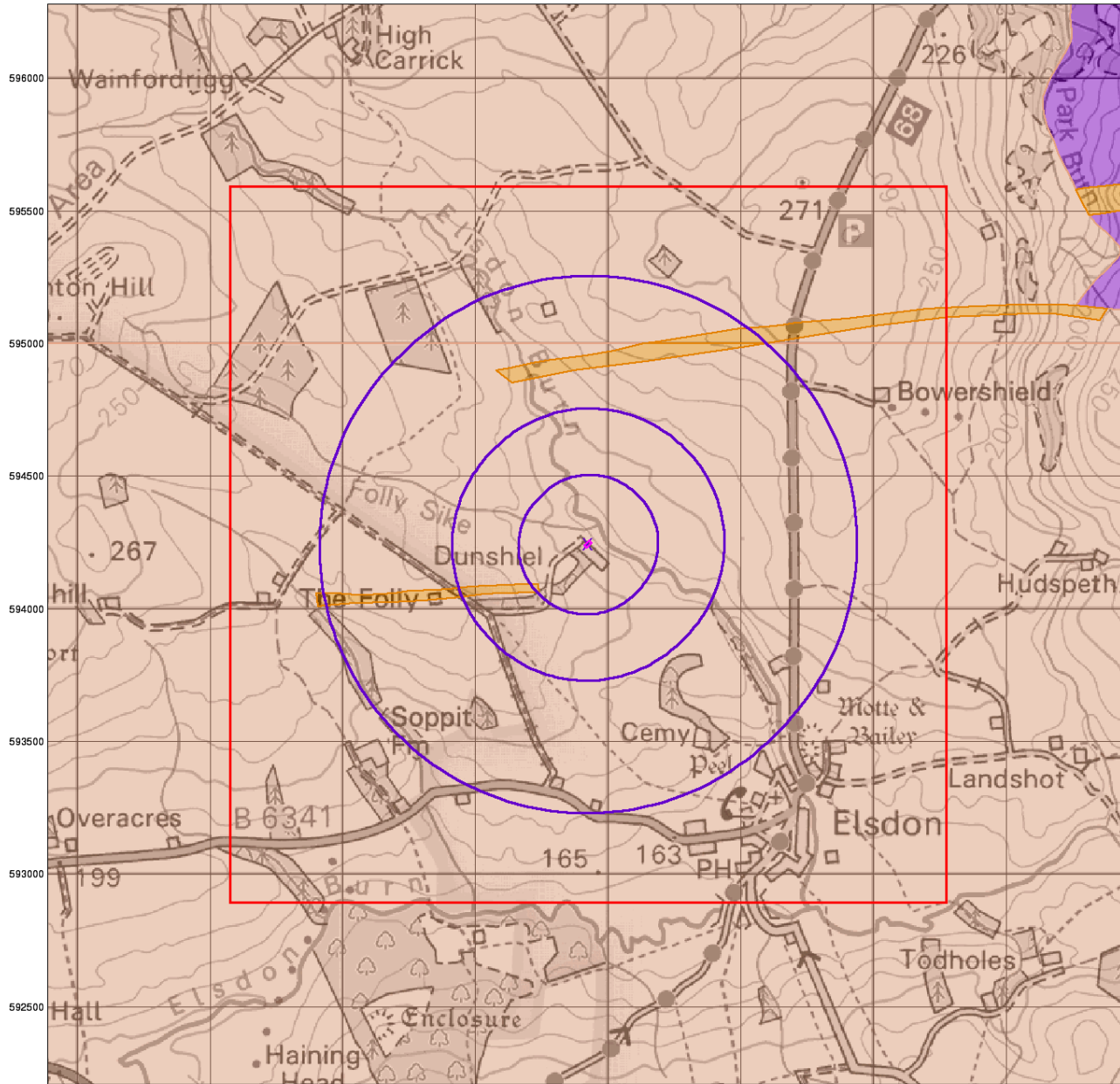
Site Details

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0 1 km



Bedrock Aquifer Designation

General

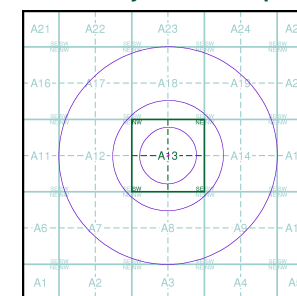
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

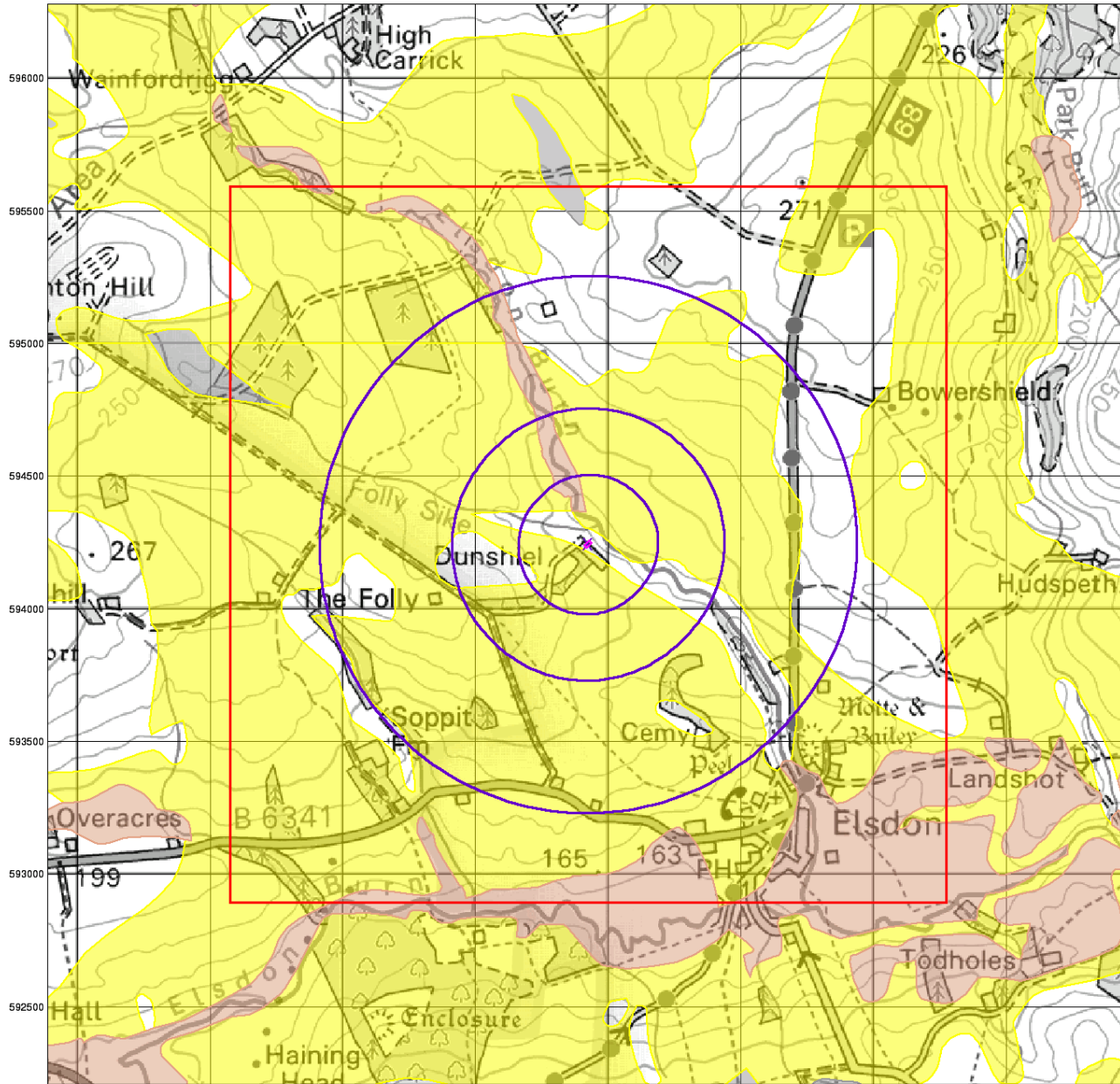
Site Details

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Superficial Aquifer Designation

General

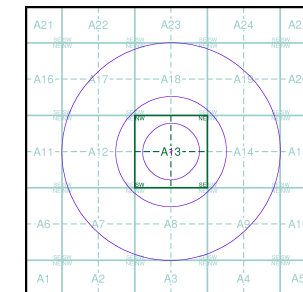
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

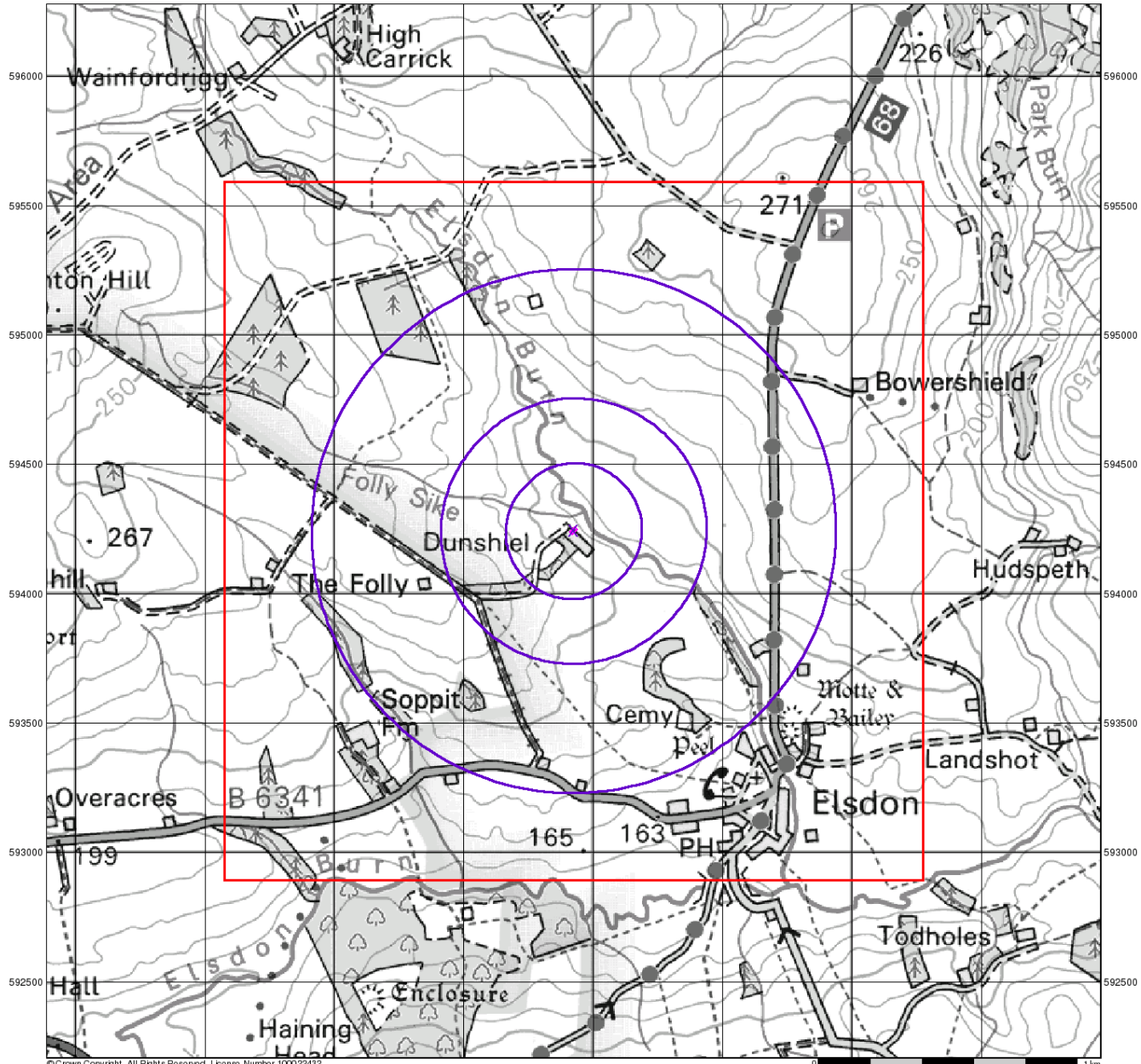
Site Details

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Source Protection Zones

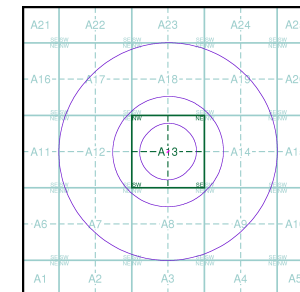
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

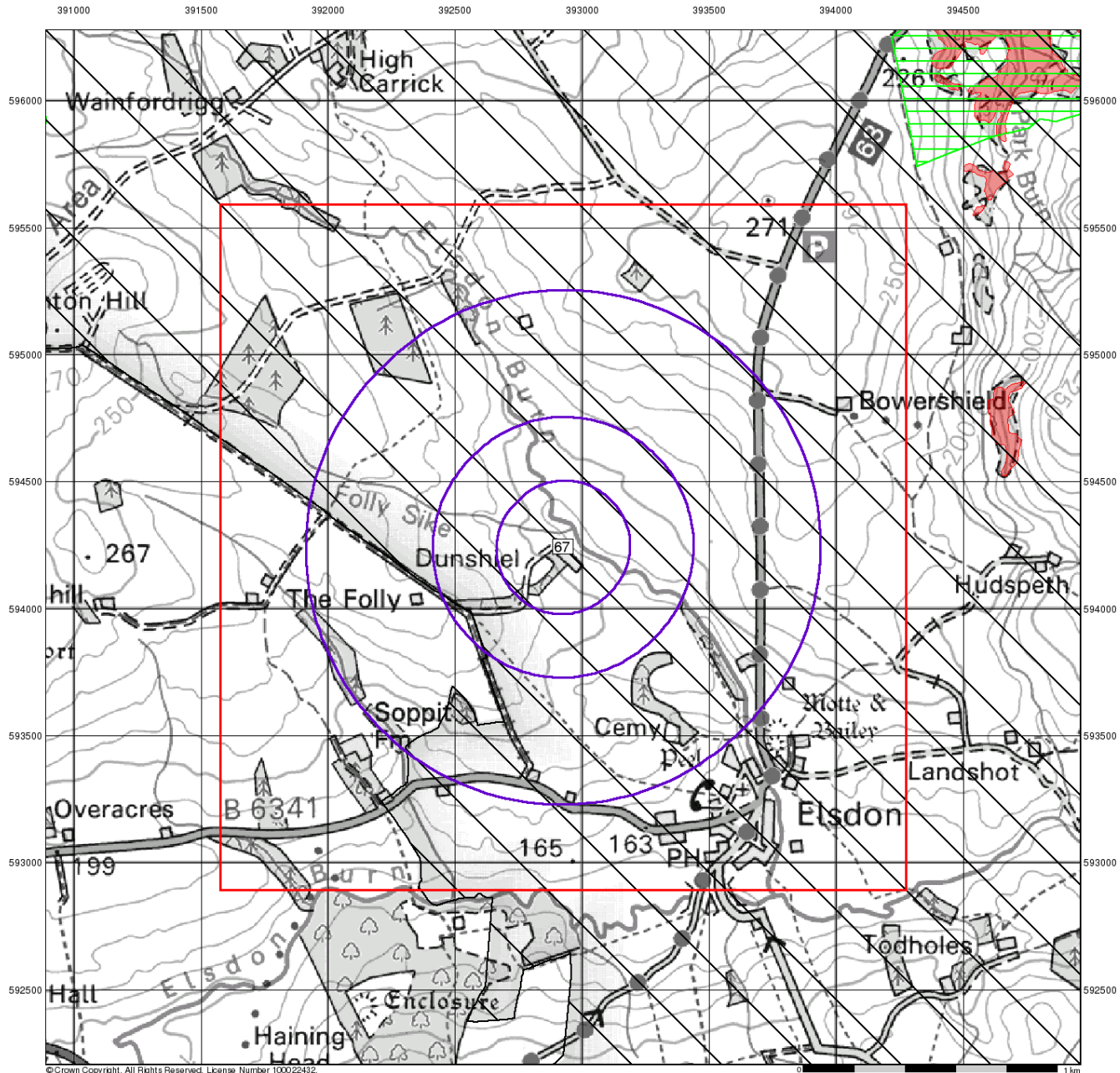
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Sensitive Land Uses

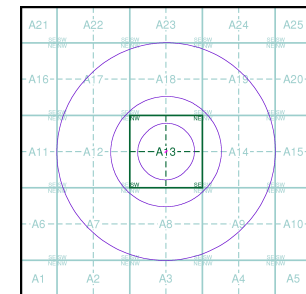
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

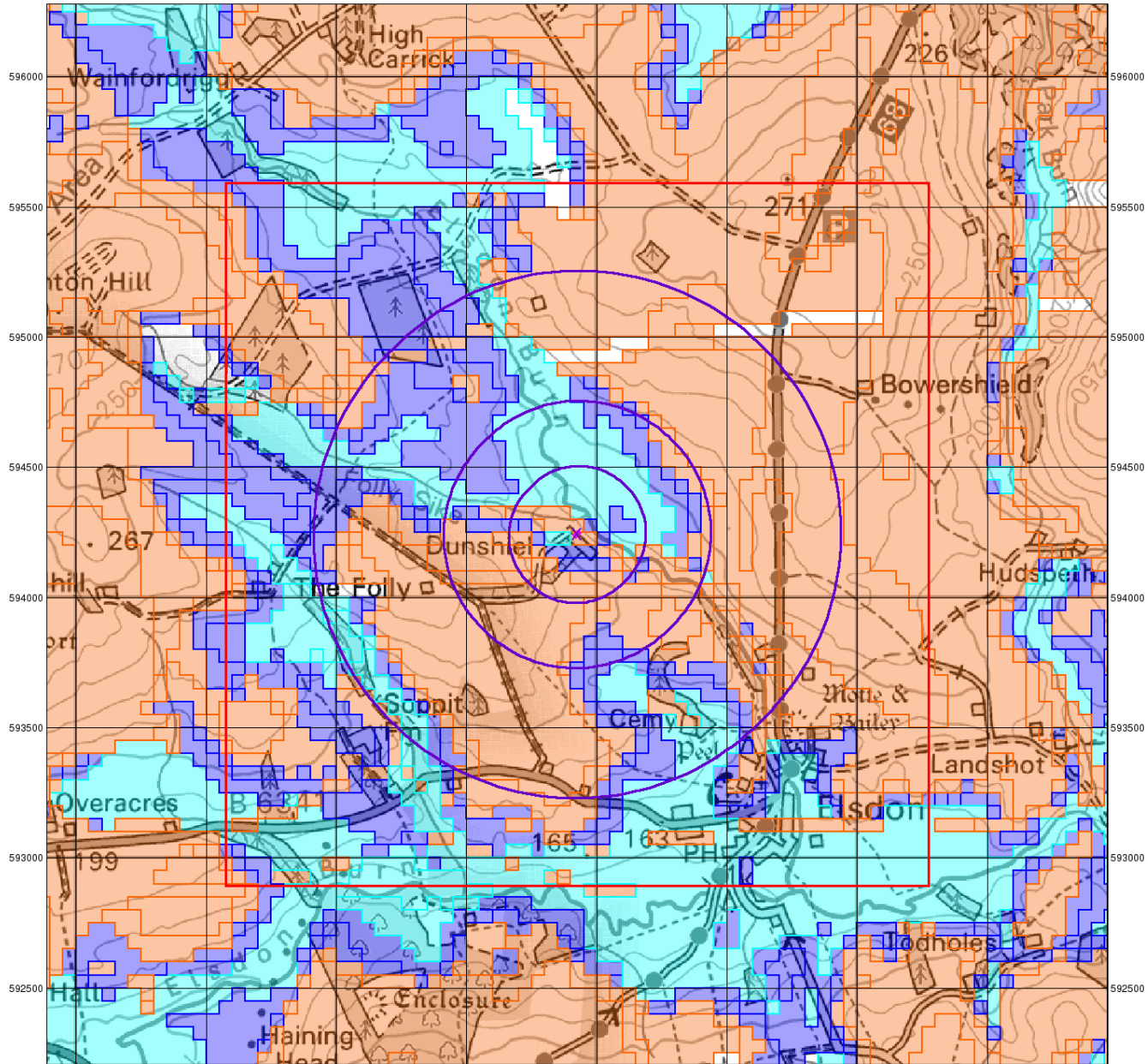
Site Details

Dunshiel Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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 Web: www.envirocheck.co.uk

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BGS Flood GFS Data

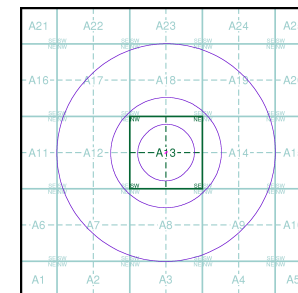
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 242351470_1_1
 Customer Ref: GEOL20-9700
 National Grid Reference: 392920, 594240
 Slice: A
 Site Area (Ha): 0.03
 Search Buffer (m): 1000

Site Details

Dunshiels Farm, Near Elsdon, Rothbury, Northumberland, NE19 1AQ



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



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

242351470_1_1

Customer Reference:

GEOL20-9700

National Grid Reference:

392920, 594240

Slice:

A

Site Area (Ha):

0.03

Search Buffer (m):

1000

Site Details:

Dunshiel Farm

Near Elsdon

Rothbury

Northumberland

NE19 1AQ

Client Details:

Mr R Stripp

Geol Consultants Ltd

3 Gladstone Terrace

Gateshead

NE8 4DY

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	12
Industrial Land Use	-
Sensitive Land Use	14
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Data Suppliers	20
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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					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 3	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 3	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 4		6	17	35

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 11				1
Historical Landfill Sites	pg 11				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 11	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 11				1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 12			1	3
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 12	Yes	n/a	n/a	n/a
Mining Instability	pg 12	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 12	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 13		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 13		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 13	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 13	Yes	n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
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					
Marine Nature Reserves					
National Nature Reserves					
National Parks	pg 14	1			
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NE)	0	1	392925 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	392925 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	12	1	392900 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	12	1	392950 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	29	1	392925 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	45	1	392925 594300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	62	1	393000 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	79	1	393000 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	79	1	392925 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	105	1	392850 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	112	1	392800 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	112	1	393050 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	113	1	392800 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	118	1	392800 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	122	1	393050 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	129	1	392925 594100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	131	1	392900 594100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	149	1	393050 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	162	1	392750 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	163	1	392750 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	166	1	392750 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	184	1	392750 594150

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	A13SE (SE)	190	1	393100 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	212	1	392750 594100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	213	1	392700 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	218	1	393150 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	220	1	393100 594100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	234	1	393150 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	243	1	393000 594000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	259	1	393150 594100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	268	1	392700 594400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	270	1	392650 594300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	303	1	393200 594400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	316	1	393250 594200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	329	1	393150 594500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	339	1	393000 593900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	364	1	393200 594500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	368	1	392550 594300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	370	1	393250 594050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	372	1	393250 594450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	375	1	393300 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	393	1	393300 594400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	396	1	393200 593950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	401	1	393250 594500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	412	1	393350 594250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	412	1	393350 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	424	1	393350 594150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	430	1	392950 593800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	452	1	393150 594650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	462	1	393400 594242
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	466	1	393100 593800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	472	1	393300 594550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	473	1	393400 594350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	476	1	393100 594700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	479	1	392925 593750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	480	1	392900 593750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	485	1	393400 594100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	496	1	393150 594700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	497	1	393050 593750
	Nearest Surface Water Feature	A13NE (N)	34	-	392926 594289
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Medium	A13NW (NE)	0	2	392925 594242
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13NW (NE)	0	2	392925 594242
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (NE)	0	2	392925 594242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	46	3	392980 594265
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	48	3	392985 594255
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
1	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 430.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Folly Sike Catchment Name: Tyne Primacy: 1	A13NE (N)	34	4	392926 594289
2	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 346.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A13NE (E)	58	4	392996 594257
3	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 500.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A13NW (N)	65	4	392918 594319
4	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A13NE (NE)	73	4	392978 594310
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 554.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A13NE (NE)	73	4	392978 594310
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 317.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A13NE (E)	199	4	393134 594282
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A13SE (E)	288	4	393204 594138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 2	A13SE (E)	293	4	393215 594151
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 290.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A13SE (E)	297	4	393216 594144
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 434.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A13NW (NW)	332	4	392792 594556
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A13NW (NW)	332	4	392792 594556
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 495.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A14NW (E)	335	4	393268 594306
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 567.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Folly Sike Catchment Name: Tyne Primacy: 1	A13NW (W)	339	4	392592 594347
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 2	A18SW (N)	379	4	392819 594617
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A18SW (N)	379	4	392819 594617
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A18SW (N)	383	4	392809 594618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 2	A18SW (N)	394	4	392841 594639
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 842.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NW (SW)	410	4	392703 593881
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A18SW (N)	414	4	392823 594655
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 863.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A18SW (N)	423	4	392824 594665
21	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: Tyne Primacy: 1	A8NW (S)	455	4	392878 593776
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NW (S)	456	4	392875 593775
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 245.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NW (S)	456	4	392875 593775
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NE (S)	523	4	392933 593706
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 278.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NE (S)	523	4	392933 593706

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A14SW (SE)	539	4	393419 594005
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A18SE (NE)	546	4	393212 594723
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 310.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A18SE (NE)	550	4	393211 594728
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NE (S)	561	4	392962 593670
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NE (S)	596	4	393081 593655
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NE (S)	616	4	393118 593647
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 372.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A8NE (S)	616	4	393118 593647
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A17SE (NW)	644	4	392406 594634
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A17SE (NW)	648	4	392401 594635

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A14SW (SE)	648	4	393503 593932
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A9NW (SE)	740	4	393561 593850
37	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: Tyne Primacy: 1	A9NW (SE)	740	4	393561 593850
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9NW (SE)	755	4	393572 593840
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A12SW (W)	755	4	392158 594216
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Folly Sike Catchment Name: Tyne Primacy: 1	A12NW (W)	882	4	392076 594515
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	886	4	393446 593518
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	886	4	393444 593516
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Folly Sike Catchment Name: Tyne Primacy: 1	A12NW (W)	887	4	392072 594519

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9NE (SE)	943	4	393674 593659
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Elsdon Burn Catchment Name: Tyne Primacy: 1	A9NE (SE)	943	4	393674 593659
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	947	4	393515 593494
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 805.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Soppit Sike Catchment Name: Tyne Primacy: 1	A7NW (SW)	949	4	392055 593831
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A7SE (SW)	951	4	392261 593542
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9NE (SE)	956	4	393691 593660
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9NE (SE)	961	4	393700 593663
51	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	971	4	393517 593465
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Soppit Sike Catchment Name: Tyne Primacy: 1	A7SW (SW)	975	4	392248 593523

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Soppit Sike Catchment Name: Tyne Primacy: 1	A7SE (SW)	977	4	392252 593516
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A7SE (SW)	977	4	392252 593516
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	979	4	393515 593452
56	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	983	4	393513 593447
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	992	4	393507 593431
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tyne Primacy: 1	A9SW (SE)	993	4	393506 593428

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	BGS Recorded Landfill Sites Site Name: Elsdon Location: MORPETH, Northumbria 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: Moderate	A14NE (E)	890	-	393828 594253
60	Historical Landfill Sites Licence Holder: Not Supplied Location: Elsdon, Northumberland Name: Disused Quarry North of Sheepfold Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL06389 First Input Date: Not Supplied Last Input Date: 31st December 1974 Specified Waste Type: Deposited Waste included Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2900/0131 BGS Ref: 2938 Other Ref: PA 002	A14NE (E)	890	3	393828 594253
61	Historical Landfill Sites Licence Holder: Not Supplied Location: Elsdon, Northumberland Name: Mote Hill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL06390 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 2900/0160 BGS Ref: Not Supplied Other Ref: PA 031	A14SE (E)	912	3	393793 593930
	Local Authority Landfill Coverage Name: Northumberland County Council - Has supplied landfill data		0	6	392925 594242
	Local Authority Landfill Coverage Name: Alnwick District Council - Has no landfill data to supply		0	5	392925 594242
	Local Authority Landfill Coverage Name: Tynedale District Council - Has no landfill data to supply		339	7	392591 594345
62	Local Authority Recorded Landfill Sites Location: Elsdon, Elsdon Reference: PA2 Authority: Northumberland County Council (now part of Northumberland Council) Last Reported Status: Closed Types of Waste: Household, Commercial Date of Closure: 31/12/1974 Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14NE (E)	889	6	393827 594248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Yoredale Group	A13NW (NE)	0	1	392925 594242
63	BGS Recorded Mineral Sites Site Name: Dunshield Location: Elsdon, Newcastle Upon Tyne, Northumberland Source: British Geological Survey, National Geoscience Information Service Reference: 115295 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fourlaws Limestone Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	352	1	392562 594204
64	BGS Recorded Mineral Sites Site Name: Elsdon Location: Elsdon, Newcastle Upon Tyne, Northumberland Source: British Geological Survey, National Geoscience Information Service Reference: 115293 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Redesdale Limestone Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	921	1	393858 594286
65	BGS Recorded Mineral Sites Site Name: Elsdon Location: Elsdon, Newcastle Upon Tyne, Northumberland Source: British Geological Survey, National Geoscience Information Service Reference: 115294 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Redesdale Limestone Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	958	1	393885 594390
66	BGS Recorded Mineral Sites Site Name: Elsdon Location: Elsdon, Newcastle Upon Tyne, Northumberland Source: British Geological Survey, National Geoscience Information Service Reference: 115301 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tyne Limestone Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (E)	966	1	393842 594587
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (NE)	0	8	392925 594242
	Mining Instability Mining Evidence: Conclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (NE)	0	-	392925 594242
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	112	1	392918 594366

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	112	1	392918 594366
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	12	1	392912 594219
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	163	1	393086 594180
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	210	1	392734 594125
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	91	1	393025 594276
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	124	1	392873 594365
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	12	1	392912 594219
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	112	1	392918 594366
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	210	1	392734 594125
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	12	1	392912 594219
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	210	1	392734 594125
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	1	392925 594242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	<p>National Parks</p> <p>Name: Northumberland Multiple Area: N Area (m2): 1050934416 Source: Natural England Status: Fully Designated - designated as a National Park Designation Date: 1st April 1956</p>	A13NW (NE)	0	9	392925 594242

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Northumberland Council - Environmental Health Department Alnwick District Council (now part of Northumberland Council) - Environmental Health Department Tynedale District Council (now part of Northumberland Council) - Environmental Health Department Environment Agency - Head Office	January 2020 October 2009 October 2009 September 2019	Annually Not Applicable Not Applicable Annually
Discharge Consents Environment Agency - North East Region	January 2020	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - North East Region	January 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control Alnwick District Council (now part of Northumberland Council) - Environmental Health Department Northumberland Council - Environmental Health Department Tynedale District Council (now part of Northumberland Council) - Environmental Health Department	April 2009 May 2014 October 2008	Not Applicable Variable Not Applicable
Local Authority Pollution Prevention and Controls Alnwick District Council (now part of Northumberland Council) - Environmental Health Department Northumberland Council - Environmental Health Department Tynedale District Council (now part of Northumberland Council) - Environmental Health Department	April 2009 May 2014 October 2008	Not Applicable Annually Not Applicable
Local Authority Pollution Prevention and Control Enforcements Alnwick District Council (now part of Northumberland Council) - Environmental Health Department Northumberland Council - Environmental Health Department Tynedale District Council (now part of Northumberland Council) - Environmental Health Department	April 2009 May 2014 October 2008	Not Applicable Variable Not Applicable
Nearest Surface Water Feature Ordnance Survey	February 2020	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - North East Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	January 2020 January 2020	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	April 2020	Quarterly












Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - North East Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk 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	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2020	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2020	Quarterly
Flood Defences Environment Agency - Head Office	February 2020	Quarterly
OS Water Network Lines Ordnance Survey	January 2020	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	November 2019 November 2019	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	January 2020 January 2020	Quarterly Quarterly
Local Authority Landfill Coverage Alnwick District Council (now part of Northumberland Council) Northumberland County Council (now part of Northumberland Council) Tynedale District Council (now part of Northumberland Council) - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Alnwick District Council (now part of Northumberland Council) Northumberland County Council (now part of Northumberland Council) Tynedale District Council (now part of Northumberland Council) - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	March 2003 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Tynedale District Council (now part of Northumberland Council) Alnwick District Council (now part of Northumberland Council) Northumberland National Park Northumberland County Council (now part of Northumberland Council) - Minerals Waste and Development Control Northumberland Council - Planning Department	April 2008 February 2009 February 2016 October 2008 October 2015	Not Applicable Not Applicable Variable Annual Rolling Update Variable
Planning Hazardous Substance Consents Tynedale District Council (now part of Northumberland Council) Alnwick District Council (now part of Northumberland Council) Northumberland National Park Northumberland County Council (now part of Northumberland Council) - Minerals Waste and Development Control Northumberland Council - Planning Department	April 2008 February 2009 February 2016 October 2008 October 2015	Not Applicable Not Applicable Variable Annual Rolling Update Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	October 2019	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Alnwick District Council (now part of Northumberland Council) Northumberland Council - Planning Department Northumberland National Park Tynedale District Council (now part of Northumberland Council)	February 2020 February 2020 February 2020 February 2020	As notified As notified As notified As notified
Areas of Unadopted Green Belt Alnwick District Council (now part of Northumberland Council) Northumberland Council - Planning Department Northumberland National Park Tynedale District Council (now part of Northumberland Council)	February 2020 February 2020 February 2020 February 2020	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2020	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	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	
Peter Brett Associates	

Contact	Name and Address
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG
2	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS
5	Alnwick District Council (now part of Northumberland Council) County Hall, Morpeth, Northumberland, NE61 2EF
6	Northumberland County Council (now part of Northumberland Council) County Hall, Morpeth, Northumberland, NE61 2EF
7	Tynedale District Council (now part of Northumberland Council) - Environmental Health Department County Hall, Morpeth, Northumberland, NE61 2EF
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD

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