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APPENDIX 9-A PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT





Preliminary Environmental Risk Assessment

Proposed Aberdeen Harbour Extension, Nigg Bay, Aberdeen

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Preliminary Environmental Risk Assessment

Proposed Aberdeen Harbour Extension, Nigg Bay, Aberdeen

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Executive Summary

Objectives

To prepare a preliminary geo-environmental risk assessment for a Site proposed for redevelopment as an extension to Aberdeen Harbour, to assess the terrestrial ground conditions from an environmental and geotechnical standpoint.

Site Setting

Current Use	At present, the Site is largely undeveloped and is occupied by a mixture of fields, rock headland and the coastal waters of Nigg Bay. Rough grass land, a lighthouse, telecoms masts and a car park are present in the northern area. The Dundee to Aberdeen railway line runs adjacent to and crosses the Site.
History	The majority of the Site has been undeveloped from the first edition of the Ordnance Survey through to the present day. Limited development has included a marine laboratory, light house, rifle range, a ruined church and graveyard and a railway line. In addition, a landfill has appeared to encroach onto the western Site boundary from the early 1980s onwards.
Geology	The geology across the Site is likely to comprise topsoil and limited made ground, underlain predominately by granular soils of marine origin. Glacial Till is expected to be present inland of Nigg Bay and on higher ground. The underlying bedrock comprises Metasedimentary rocks belonging to the Aberdeen Formation.
Water Environment	The East Tullos Burn is present in the central area of the Site and Nigg Bay is present in the east. The granular deposits across the Site are classified as minor or moderately permeable aquifers and belong to the Lower Dee Valley Sand and Gravel Aquifer.
Consultation	Information requests have been sent to Aberdeen City Council, however responses are yet to be received.

Conceptual Model

The potential pollutant linkages identified for the Site as follows:

- The risk to current Site users as a result of direct contact, ingestion and inhalation with potentially contaminated soils, either present on Site or migrating from off Site sources;
- The risk to future Site users associated with the migration and accumulation of ground gas within structures;
- The risk to buried services and structures associated with direct contact with potentially contaminated soils.

Conclusions

Given the proposed industrial redevelopment the overall risk rating for the Site is assessed as **medium**.

Recommendations

The following actions are recommended to address the potentially unacceptable environmental risks identified:

- It is recommended that a programme of Site investigation to investigate the potential presence of contamination and ground gas at the Site is undertaken in order to confirm potential environmental risks to existing and future Site users, future construction workers, structures and utilities, the Water Environment and environmentally sensitive receptors;
- The Site investigation should also allow for geotechnical assessment to assist with foundation, road and pavement design; and
- It is recommended that all reports prepared for the Site are sent to the Local Authority for approval.
- In addition to the above, it is recommended that an Environmental Management Plan (EMP) is produced to cover the construction of the proposed development.

1. Introduction

1.1 Objectives

Waterman Energy, Environment & Design Limited (“Waterman”) was instructed by Fugro EMU Ltd on behalf of Aberdeen Harbour Ltd to undertake a Preliminary Environmental Risk Assessment for ground conditions at an area of land proposed for redevelopment as an extension to Aberdeen Harbour. This report will form a Technical Appendix to the Environmental Statement (ES) currently being prepared to support the planning application for redevelopment.

Aberdeen Harbour Board have proposed the design and construction of a new harbour facility at Nigg Bay, immediately South of the existing harbour. The purpose of the new facility is to complement and expand the capabilities of the existing harbour, accommodate larger vessels, retain existing custom, and attract increased numbers of vessels and vessel types to Aberdeen.

The new harbour development shall include but is not limited to:

- Dredging the existing bay to accommodate vessels up to 9m draft with additional dredge depth of 10.5m to the east quay and entrance channel;
- Construction of new North and South breakwaters to form the harbour;
- Provision of approximately 1500m of new quays and associated support infrastructure. The quay will be constructed with solid quay wall construction and suspended decks over open revetment;
- Construction of areas for development by others to facilitate the provision of fuel, bulk commodities and potable water;
- Land reclamation principally through using materials recovered from dredging operations and local sources, where possible;
- Provision of ancillary accommodation for the facility;
- Off-site highway works to the extent necessary to access the facility and to satisfy statutory obligations;
- Diversions and enabling works necessary to permit the development.

1.2 Regulatory Context

The Site is currently largely undeveloped and it is proposed to redevelop the Site as an extension to Aberdeen Harbour.

The Scottish Executive considers the "suitable for use" approach as the most appropriate to deal with the historic legacy of contaminated land, in a way that takes account of environmental, social and economic objectives, as set out in Planning Advisory Note PAN33, “Development of Contaminated Land”, dated 20 October 2000. This approach focuses on the risks caused by land contamination, and recognises that the risks presented by any given level of contamination will vary greatly according to the use of the land and a wide range of other factors, such as the underlying geology of the site. Risks therefore need to be assessed on a site-by-site basis.

The "suitable for use" approach consists of three elements:

i) ensuring that land is suitable for its current use - in other words, identifying land where contamination is causing unacceptable risks to human health and the environment, on the basis of the current use and circumstances of the land, and returning it to a condition where such risks no longer arise ("remediating"

the land); this is the role of the Scottish Environment Protection Agency (SEPA) in the case of "special sites" and local authorities in the case of any other type of site;

ii) ensuring that land is made suitable for any new use, as planning permission is given for that new use - in other words, assessing the potential risks from contamination, on the basis of the proposed future use and circumstances, before permission is given for the development and, where necessary, to avoid unacceptable risks to human health and the environment, remediating the land before the new use commences; this is the role of the town and country planning and building control regimes; and

iii) limiting requirements for remediation to the work necessary to prevent unacceptable risks to human health or the environment in relation to the current use or future use of the land for which planning permission is being sought - in other words, recognising that the risks from contaminated land can be satisfactorily assessed only in the context of specific uses of the land (whether current or proposed), and that any attempt to guess what might be needed at some time in the future for other uses, is likely to result either in premature work (thereby risking distorting social, economic and environmental priorities) or in unnecessary work (thereby wasting resources).

Within this 'suitable for use' framework, it is important to recognise both that the use of any particular area of land may cover several different activities, and that some potential risks arising from contamination (particularly impacts on water and the wider environment) may arise independently of the use of the land. For example the current use of a site may be irrelevant if harm is being caused off-site e.g. the pollution of a nearby watercourse. In practical terms, the current use of any land should be taken to be any use which:

(a) is currently being made of the land, or is likely to be made of it; and

(b) is consistent with any existing planning permission, or is otherwise lawful under town and country planning legislation.

In order to assess the contamination status of the Site, with respect to the proposed end use, it is necessary to assess whether the Site could potentially be classified as "Contaminated Land", as defined in Part IIA of the Environmental Protection Act 1990 and Contaminated Land Statutory Guidance 2006. This is assessed by the identification and assessment of potential pollutant linkages. The linkage between the potential sources and potential receptors identified needs to be established and evaluated.

To fall within this definition, it is necessary that, as a result of the condition of the land, substances may be present in, on or under the land such that:

- a) significant harm is being caused or there is a significant possibility of such harm being caused; or
- b) significant pollution of the water environment is being caused or there is significant possibility of such pollution being caused.

It should be noted that the Scottish Executive has advised (Ref. Section 4, Scottish Executive Contaminated Land Statutory Guidance 2006, Edition 2) Local Authorities that land should not be designated as "Contaminated Land" where:

- a) a substance is already present in the water environment; and
- b) entry of that substance from land into the water environment has ceased; and
- c) it is not likely that further entry will take place.

If a substance is present in a source material which is immiscible with water, entry means actual dissolution of the substance from the material into the water environment.

These exclusions do not necessarily preclude regulatory action under the Water Environment (Controlled Activities) (Scotland) Regulations 2011, which make it a criminal offence to:

- a) has caused, is causing or is likely to cause significant adverse impacts on the water environment or any part of it; or
- b) has caused, is causing or is likely to cause a direct or indirect discharge into groundwater of any hazardous substance or any other pollutant.

SEPA may serve a notice on the responsible person or the operator specifying the steps to be taken to prevent, mitigate or remedy the adverse impacts on the water environment or the direct or indirect discharge into groundwater.

1.3 Constraints

The assessment was undertaken in accordance with the scope agreed between Waterman and Fugro EMU Ltd, as documented in Waterman's fee letter (EED14221-100-F001-BS, dated 31 March 2014), and with Waterman's standard Terms of Appointment.

The benefit of this report is made to Aberdeen Harbour Ltd.

The information contained in this report is based on a review of available historical, geological and hydrogeological sources, consultation with the regulatory authorities and observations made on site on the 10th April 2014.

Waterman has endeavoured to assess all information provided to them during this investigation, but makes no guarantees or warranties as to the accuracy or completeness of this information.

The scope of this site investigation includes an assessment of the presence of asbestos containing materials in the ground at the Site but not within buildings or structures or below ground structures (basements, buried service ducts and the like).

The conclusions resulting from this study are not necessarily indicative of future conditions or operating practices at or adjacent to the Site.

2. Methodology

This Preliminary Environmental Risk Assessment has been undertaken in general accordance with the Model Procedures for Management of Land Contamination (Contaminated Land Report 11 – Environment Agency, September 2004).

The report includes the following:

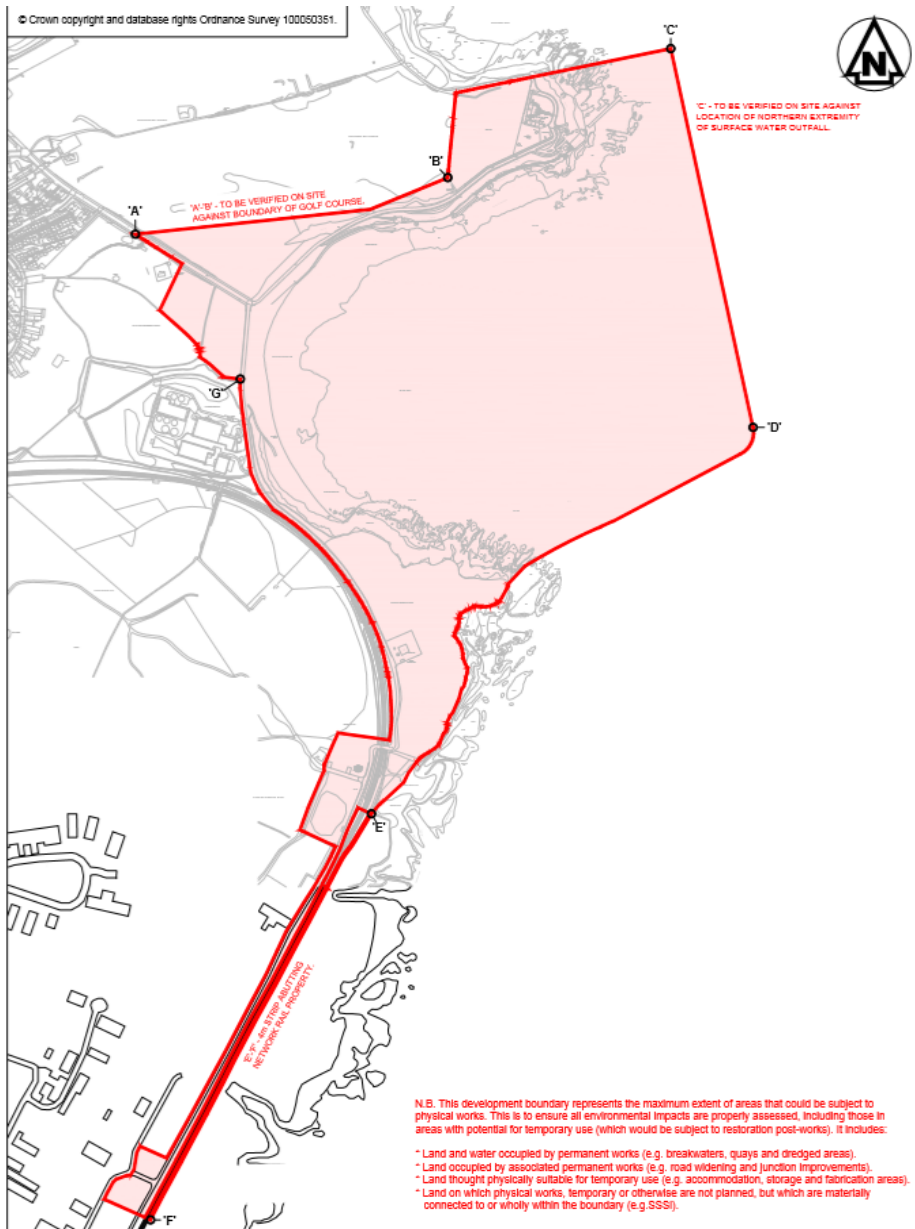
- collation of available documentary information;
- site reconnaissance;
- hazard identification and assessment;
- formulation of a Conceptual Model for the site;
- identification of potentially unacceptable risks; and
- recommendations for further action.

3. Site Setting

3.1 Description and Reconnaissance

The Site is located at National Grid Reference 396790,805160, comprising the land around Nigg Bay, in the south of Aberdeen.

Figure 1: Current Site Layout



Source: Aberdeen Harbour Site Plan

The site is irregular in shape and comprises a variety of land uses (refer to Figure 3.2). The central area of the site consists of an area of tidal open sea water known as Nigg Bay, exposed rock headland, areas of rough vegetation and sand. A hard surfaced car park and pedestrian walkway/viewpoint area is located towards the north of the Bay, off Greyhope Road. Exposed rock headland extends north from Nigg Bay towards Girdleness Lighthouse and Walker Park, which are located on the northern edge of the Site.

To the west of the Bay is the intersection between Greyhope Road, Coast Road and St Fittick's Road. The intersection is bordered to the north and south by undeveloped areas of grassland/new tree planting.. An electricity substation and area of littering/ dumping is located on Greyhope Road, to the north of the public car park/viewing area. Coast Road extending north-south through the centre of the site is part of the National Cycle Network Route.

Rock headland extends south-east from Nigg Bay towards the sea. Cattle grazing fields and a telecommunications mast are located to the south of the Bay, adjacent to Coast Road. The southern extent of the site stretches from the cattle fields to Altens Industrial Estate located at the southern edge of the site and comprises a 4 m strip abutting the eastern side of the Dundee - Aberdeen line railway.

The Nigg Bay Site of Special Scientific Interest (SSSI) and the Balnagask to Cove Local Nature Conservation Site (LNCS) are located within the site boundaries. The site is designated as a SSSI for its geological importance for its Quaternary stratigraphy associated with glacial deposition. The Balnagask to Cove LNCS is designated on account of its features which include coastal cliffs and caves, shingle beaches, coastal and natural grassland, heaths and coastal plants, insects and birds.

The Site also partially incorporates two sites of the Aberdeen City Council Green Space Network. Site 69 (Balnagask Golf Course) extends into the north and west of the site and Site 70 (Balnagask) extends into the west and south of the Site. Both sites are included as part of the Green Space Network on account of their land use classifications, habits and informal recreational uses.

Neighbouring off-Site features include Nigg Bay Golf Course located immediately to the northwest of the Bay, Nigg Bay Waste Water Treatment Works (WWTW) to the west and the capped Ness Farm landfill located to the southwest. The former landfill rises up to the southwest from Coast Road. Numerous ground gas vents were noted. The Aberdeen - Glasgow line railway approaches the Site from the south, running along the southwest boundary of the Site before extending west past the WWTW towards Aberdeen. The railway line passes in cutting along the south of the Site, passing at grade along the southwest boundary (approximately between the telecommunications mast and the WWTW before entering again into a cutting).

The topography of the Site generally slopes up from Nigg Bay in the centre of the Site to the north along Greyhope Road, to the south/ southeast along Coast Road and to the west along St. Fittick's Road.

According to the Landmark EnviroCheck report, there are no Local Authority Pollution Prevention and Control Permits registered to the property. The Site is bound to the west by Ness Farm landfill, which encroaches on to the western extent of the Site. In addition, a registered landfill site, known as Taylors Industrial Cleaners, is indicated to lie within the Site boundary. In addition, one active and two closed waste transfer sites are indicated to be situated within the site boundary. Two of these, one active one ceased, appear to relate to the waste water works, just adjacent to the western Site boundary, while the other ceased record relates to the industrial clearer discussed above.

A Site location plan and Site layout plan are presented as Appendix A. A selection of photographs taken during the Site inspection is presented as Appendix B.

3.1.1 Site Surroundings

A summary of the current surrounding land uses, including relevant licences and consents, is shown in Table 1.

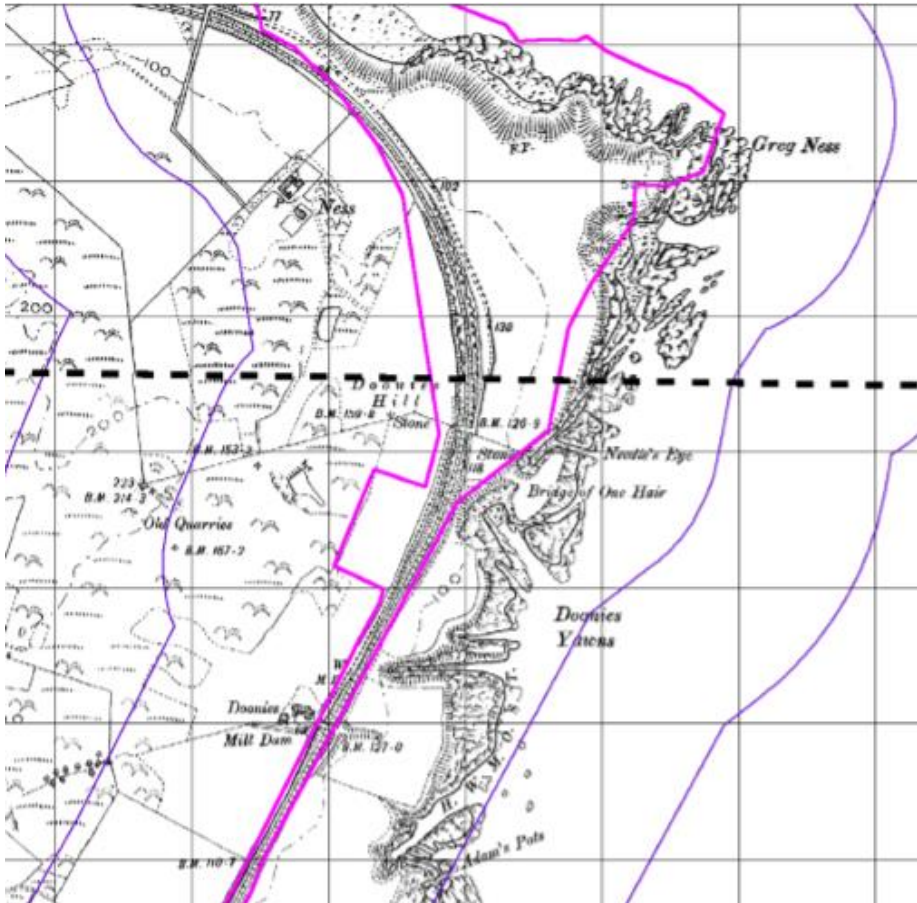
Table 1: Summary of surrounding land uses

Location	Description
North	The golf course in the northern part of the site extends to the north and northwest. The River Dee Special Area of Conservation (SAC) is located approximately 339m to the north of the site.
East	The Don Estuary is situated to the east.
South	Altens Industrial Estate is situated to the southwest and south of the Site. Registered radioactive substance permit for the use and keeping of radioactive material is located 430m southwest.
West	Ness Farm landfill is situated adjacent to the western site boundary. The land is now occupied by a country park. St. Fitticks Community Park (an informal recreational land use) is also to the west. A water treatment works and a railway line are also located to the west.

There are no Control of Major Accident Hazard (COMAH) sites or Notifications of Installations Handling Hazardous Substances (NIHHS) located in the surrounding area.

3.2 History

Figure 2: Historical Site Use



Source: Extract from Ordnance Survey 1904 Edition (1:10,560 scale)

A review of historical maps obtained from Landmark Information Group Historical Maps has been undertaken, and a summary of relevant information is shown in chronological order in Table 2.

Table 2: History for the subject site

Source	Site ^a	Surroundings ^a
OS Map 1868	The majority of the Site is occupied by agricultural land and rough grazing, although a lighthouse is shown in the far north east, St. Fittick's Church (in ruins) and graveyard are recorded on the western boundary and a rifle range is recorded to extend along the Bay. In addition, a railway line is shown to run south to north adjacent to the land in the	Further agricultural land is located to the north and west, while cliffs and the North Sea are present to the east.

Source	Site ^a	Surroundings ^a
	south of the Site and crosses the central area from east to west.	
1902	A marine laboratory and fish hatchery is now shown in the north of the Site. The rifle range recorded in the previous map edition is no longer included.	A gravel pit is indicated 200m to the north while an old sand pit is shown 380m northwest. Old quarries are recorded 280m west. The rest of the surrounding area remains predominately in agricultural use.
1928	A coast guard station is now shown in the central portion of the Site. The rest of the Site appears largely as in the earlier edition.	The land to the north is now indicated to be occupied by a golf course. A further sand pit is recorded 170m northwest and although the gravel pit and sand pit present on the earlier edition are still visible they are no longer named on the map. The old quarries to the west are no longer shown.
1938	Tanks are now shown associated with the marine laboratory. No other changes are evident.	The surrounding area is largely unchanged from the previous edition.
1959	The Site appears largely as in the earlier edition, although the marine laboratory is no longer shown.	The sand pit to the northwest is now disused. No other significant changes have been noted.
1967	No significant changes are noted.	No significant changes are noted.
1972	No significant changes are noted.	Residential development has taken place adjacent to the north-western corner of the Site. The rest of the surrounding area remains largely as previous.
1982	A landfill is indicated to the immediate west of the Site boundary, with the edge of this feature appearing to encroach onto the Site itself.	Altens Industrial Estate is now present to the west of the Site, with various factories, warehouses and works indicated in this locale. The closest property is located approximately 250m from the Site boundary. Loriston Country Park is shown adjacent to the western Site boundary.
1991	No significant changes are noted within the Site boundary.	The surrounding area appears largely as in the earlier edition, although the pits, previously located to the north and northwest of the Site now appear to have been infilled .
2006	The Site remains as in the earlier edition.	A water treatment works has been constructed adjacent to the western Site boundary. The industrial estate to the south and southwest has increased in size. The landfill is still shown.
2014	Some masts are now shown in the far northeast of the Site. No further changes are noted.	The landfill is now shown as disused workings .

^a potentially contaminative uses are shown in bold italics.

3.2.1 Previous Environmental Assessments

Waterman was provided with a copy of the following report:

- Ground Investigation Report for Bay of Nigg Harbour Development, Aberdeen (Soil Engineering, 18 December 2013).

This report was prepared to provide a geotechnical assessment to assist with the construction of a new harbour, access channel and breakwater. The majority of the report is concerned with the offshore ground conditions, with only limited information relating to the onshore geology provided. In total, 49No. cable percussion/rotary follow on boreholes were drilled, although only one of these was undertaken on land. In addition, 18No. machine excavated trial pits were excavated within the intertidal foreshore area around Nigg Bay. The report does not cover the entire Site area.

Geotechnical testing was undertaken on samples recovered from the trial pits but no environmental analysis was undertaken on these materials.

The report indicates that the on-shore ground conditions comprise, for the most part, granular marine deposits, present from 0.40m to 4.40m below ground level. These appeared as sand or sand and gravel with interbedded clays. Made ground was recorded in six locations however, mostly in the southwest of Nigg Bay. These deposits were found to be between 0.60m and 3.70m thick and comprised sand and gravel with cobbles and boulders of rock, concrete, brick, plastic and polythene. In places, glacial till was also recorded, at depths of between 0.40m and 3.20m below ground level. Several trial pits also encountered shallow bedrock, at depths of between 0.85m and 2.40m below ground level. Where encountered, the bedrock was found to comprise Aberdeen Formation metasedimentary bedrock (a mixture of psammites, semipelites and pelites). Typically, the bedrock was weathered at shallow depth.

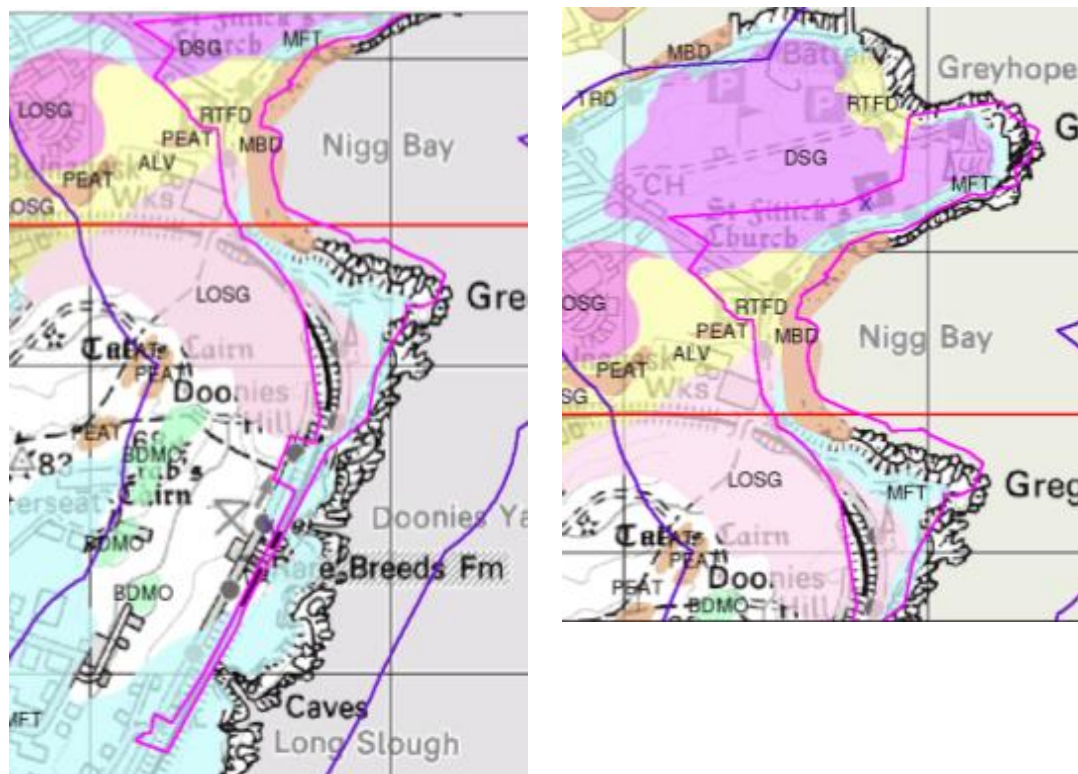
As discussed above, the majority of the works undertaken were focused on the off shore deposits, although the report does present some geotechnical recommendations relating to the construction of buildings on land. Soil Engineering concluded that lightly loaded structures could be supported on shallow spread foundations and quoted net allowable bearing pressures of 185kPa for strip foundations within the shallow marine soils (175kPa if pad foundations were utilised). A value of 0.5MPa was quoted for weathered bedrock, with 2.5MPa suggested as appropriate for the less weathered bedrock. The report indicated that further detailed investigation would be required on shore prior to foundation design being finalised.

3.3 Geology

The geology beneath the site has been established from the British Geological Survey (BGS) 1: 50,000 scale Geological Map, Scotland Sheet 77, Superficial and Bedrock Editions and from review of previous and on ground investigation data prepared by others.

Extracts from the geological sheet covering the whole Site are shown in Figure 3.

Figure 3: Site Geology



	ALV	Alluvium
	RTFD	Raised Tidal Flat Deposits
	DSG	Drumlithie Sand and Gravel Formation
	MFT	Mill of Forest Till Formation
	MBD	Marine Beach Deposits
	LOSG	Lochton Sand and Gravel Formation

Source: Extract from Sotland Sheet 77, British Geological Survey (1:50,000 scale)

A summary of the geology is provided in Table 3 below:

Table 3: Site geology

Stratum	Area Covered	Estimated Thickness	Typical Description
Made Ground	Along railway land	Unknown	Unknown but likely to contain ash ballast and stone

Stratum	Area Covered	Estimated Thickness	Typical Description
Made Ground	Southwest of Nigg Bay	0.6-3.7m	Sand and gravel with cobbles and boulders of bedrock and concrete, broken bricks, plastic and polythene.
Marine Beach Deposits	Nigg Bay foreshore	0.4-4.4m	Sand or sand and gravel with interbedded clays
Drumlithie Sand and Gravel Formation	North of the Site	Unknown	Sand and gravel
Lochton Gravel Formation	West of Site, along railway line	Unknown	Sand and gravel
Mill of Forest Till Formation	To the north and south of Nigg Bay South of Site along the line of the railway	1-4m	Firm to stiff and very stiff sandy gravelly clay, often with cobbles and boulders of bedrock.
Aberdeen Formation	Entire Site	Unknown	Metasediments including psammites, pelites and semipelites

Further terrestrial site investigation work was undertaken during 2015 to confirm and verify initial geotechnical and contaminated land findings, and to support relevant ES chapters. At the time of writing, draft borehole and trial pits logs from the current land-based investigation and inspection of the subsoils and rock cores demonstrate that the geological sequences of both the overburden and rock are very similar to the marine deposits encountered during the 2013 investigation. In general, sequences of sands and gravels were encountered overlying a thick unit of Glacial Till extending to depths (so far) as 43 m until encountering bedrock. A large infilled trough valley feature encountered offshore appears to extend westwards beneath the beach and land towards the coast road. The former Aberdeen City Council (ACC) landfill has been further investigated and more accurately delineated, with material similar to that of the 2013 investigation being recovered.

3.3.1 Ground Stability

The BGS map does not reveal any structural, geomorphological or geochemical features on, or near to, the Site. The Landmark data set also provides the following information with respect to ground stability:

- There is very low to no risk associated with collapsible ground;
- There is moderate potential risk associated with compressible ground;
- There is no hazard associated with landslide;
- There is a moderate risk of running sand stability hazards;

The Site is not in an area that could be affected by coal mining activity and the risk of non-coal or metalliferous mining is considered to be low. There are several Ceased BGS mineral sites located in the vicinity of the Site. These all appear to be sand and gravel pits and the closest is indicated to lie approximately 200m to the west of the Site.

3.3.2 Ground Gas

According to information from the Health Protection Agency, the Site is located in an area of elevated radon gas levels (a naturally occurring gas). Correspondingly, radon protection measures are required in the development of new buildings or extensions.

The Landmark Information Group dataset indicates that Ness Farm registered landfill (Waste Management License WML/N/20016) could encroach onto the central portion of the Site. It extends westwards away from the Site. This facility now appears to be closed. Aberdeen City Council records indicate that authorised wastes included asbestos, household, commercial and industrial waste, mineral oils and uncontaminated soils.

3.4 The Water Environment

3.4.1 Surface Waters

The East Tullos Burn is present on Site, situated to the north of the Water Treatment Works. This burn is known under the River Basin Management Plan (RBMP) as waterbody ID number 23247. In 2008 (the most recent year for which a classification by SEPA is available) the burn was classed as ‘Seriously Polluted’ under the River Classification Scheme, with poor biology and poor chemistry, both of which are attributed to point source and diffuse pollution. Target objectives for this small river are not included on the RBMP interactive map.

Environmental improvements were undertaken by Aberdeen City Council in 2014 (The East Tullos Burn Environment Improvements Project). This improved the physical and ecological condition of the burn, created of a new wetland feature to increase the flood plain storage and water retention time, and has led to better water quality in the catchment and biodiversity improvements.

The coastal waters of Nigg Bay are situated to the east of the Site. These waters form part of the Don Estuary to Souter Head Coastal Water Body. Under the RBMP this is classified as being of good overall status, with ecology classified as ‘good’ and chemistry classified as ‘pass’. This water body is located within a bathing water protected area and also the River Dee Special Area of Conservation (SAC).

The Landmark dataset does not provide any details of pollution incidents to surface waters.

Overall, therefore, data suggests that water quality is likely to be of poor quality within the East Tullos Burn and of good quality within Nigg Bay.

According to SEPA’s indicative flooding data, the site is not located in an area on a flood plain.

3.4.2 Groundwater

According to the BGS Hydrogeological Map of Scotland (1:625,000 scale), the geological deposits underlying the Site are classified as per Table 4 below:

Table 4: Summary of hydrogeological properties of the main geological strata

Stratum	BGS Classification	Hydrogeological Significance
Made Ground	Not classified	May contain limited volumes of groundwater within granular layers

Stratum	BGS Classification	Hydrogeological Significance
Marine Beach Deposits Drumlithie Sand and Gravel Formation Lochton Gravel Formation	Minor or Moderately Permeable Aquifer	Locally important aquifer, although groundwater volume is variable. Belong to the Lower Dee Valley Sand and Gravel Aquifer
Mill of Forest Till Formation	Non or weakly permeable aquifer	Unlikely to contain significant volumes of groundwater, except within weathered or granular horizons
Aberdeen Formation	Non or weakly permeably aquifer	Unlikely to contain significant volumes of groundwater, except within weathered or granular horizons

The Site is located within a Drinking Water Protection Zone and also within a Nitrate Vulnerable Zone.

There are no recorded groundwater abstractions within a 1km radius of the Site and the dataset does not provide any details of any pollution incidents affecting groundwater quality.

Based on available information, it is anticipated that groundwater flow will be in an easterly direction, towards the coast.

The SEPA RBMP datasheet for the Lower Dee Valley Sand and Gravel aquifer indicates that it has been classified as being of good overall quality.

3.5 Consultations

The agencies and individuals which have been contacted and/or their records reviewed during the course of this study are listed in Table 5.

Table 5: List of parties consulted during this study

Organisation	Consultee	Response
Aberdeen City Council		
Environmental Health	Contaminated Land Officer	Awaited
Planning	Online Planning portal	N/A

3.5.1 Environmental Health

Information has been requested from the Environmental Health Officer (EHO) but a response is currently pending.

3.5.2 Planning Department

A review of Aberdeen City Council's online planning portal has not provided any details of previous or current planning applications within the Site boundary.

4. Conceptual Model

The Conceptual Site Model (CSM) for the Site is presented in Table 6 below and graphically in Figure A3 in Appendix A. The risk rating included in Table 6 has been assessed qualitatively using the criteria given in Appendix D.

The River Dee SAC is not considered a receptor in the CSM as there are no plausible direct pathways between contamination onsite and this sensitive land use (located 339m to the north (cross-hydraulic gradient) of the site). Likewise, as the Nigg Bay SSSI is for geology only, it is not anticipated that this will be a receptor to contamination.

Table 6: Conceptual model for the Site

Receptor	Potential Sources	Pathways	Risk	Justification / Mitigation
Human Health				
Existing Site Users (including users of the onsite designated greenspace network sites and cycle paths)	Elevated concentrations of contaminants within made ground at the Site Migration of contaminants from off-Site sources	Direct contact, ingestion, inhalation, water within the East Tullos Burn	Medium	Limited potential sources of contamination have been identified on Site (railway line, graveyard, historical rifle range and potentially part of a landfill) and previous investigations have identified made ground in the area directly to the southwest of Nigg Bay. In addition, off-Site sources of contamination (landfill, industrial estate) have also been identified and the potential for migration of contaminants associated with these through granular deposits cannot be discounted at this stage. Large areas of the Site are currently unsurfaced, so anyone using the Site could potentially come into contact within underlying contamination. Likewise, site Users who come into direct contact with the East Tullos Burn could potentially be exposed to contamination originating from upstream offsite sources, although the improved quality of this watercourse is likely to mitigate this somewhat. Further investigation is required.
	Ground gas	Migration through granular deposits, accumulation in confined spaces	Low	It is possible that ground gas could be migrating on to the Site from the landfill through granular superficial deposits. The absence of structures across the majority of the Site suggests that any gas would vent directly to the atmosphere.
Future Site Users	Elevated concentrations of	Direct contact, ingestion and inhalation,	Low to medium	Limited potential sources of contamination have been identified on-Site (railway line, graveyard,

Receptor	Potential Sources	Pathways	Risk	Justification / Mitigation
	contaminants within made ground at the Site Migration of contaminants from off-Site sources	water within the East Tullos Burn		<p>historical rifle range, potentially part of a landfill) and previous investigations have identified made ground in the area directly to the southwest of Nigg Bay.</p> <p>In addition, off-Site sources of contamination (landfill, industrial estate) have also been identified and the potential for migration of contaminants associated with these through granular deposits or within water of the onsite burn cannot be discounted at this stage.</p> <p>It is likely that the majority of the proposed development will comprise hardstanding cover (i.e. buildings, access roads, loading areas) so the potential for contact with any underlying contamination would be minimised.</p> <p>A risk would remain, however, in any areas of open ground or landscaping and further investigation is recommended if such areas are proposed.</p>
	Ground Gas	Migration, accumulation in confined spaces	Medium	<p>The potential for ground gas to migrate onto Site from the landfill cannot be discounted. Any gas could accumulate beneath buildings, within service trenches and within any confined spaces on-Site.</p> <p>Further investigation of the ground gas regime is therefore required to determine if any protection measures are required as part of the proposed development.</p> <p>In addition, radon protection measures are required in all new buildings and extensions.</p>
Off-Site residents/users of offsite recreational resources	Elevated concentrations of contaminants within made ground at the Site	Leaching and migration, windblown dust	Low	<p>Limited potential sources of contamination have been identified at the Site and the possibility of contamination associated with these migrating off-Site cannot be discounted. It is noted, however, that the identified sources of contamination are also present out with the Site boundary and as such, it would be difficult to attribute off-Site contamination to the Site alone.</p>
Construction Workers	Elevated concentrations of	Direct contact, ingestion and inhalation	Low to medium	<p>Construction personnel may come into contact with contamination during the redevelopment works. It is</p>

Receptor	Potential Sources	Pathways	Risk	Justification / Mitigation
	contaminants within made ground at the site Migration of contaminants from off-Site sources			anticipated that the mandatory use of PPE, together with the provision of basic site hygiene measures should be sufficient to minimise the risk to site workers. Given the potential presence of landfill materials, including asbestos, onsite, it is recommended that a full investigation into the nature of the contaminants present is undertaken to ensure no additional precautions over and above the mandatory standard would be required.
	Ground Gas	Migration, accumulation in excavations	Low to medium	Migration of ground gas onto Site cannot be discounted at this stage and further investigation of the gas regime is required. Entry into excavations should be avoided as far as possible. If entry is required, this should be undertaken by appropriately qualified personnel, in accordance with the Confined Spaces Regulations.
Property				
On-Site structures and buried services	Elevated concentrations of potentially degrading contaminants within made ground at the Site Migration of contaminants from off-Site sources	Direct contact	Medium	It is not possible to discount the presence of potentially degrading contaminants at the Site and further investigation is required to determine what protection measures would be required for buried concrete and water supply pipes.
The Water Environment				
Moderately permeable aquifer within the granular superficial deposits (Lower Dee Valley Sand and Gravel Aquifer)	Elevated concentrations of contaminants within the made ground at the Site	Leaching and migration	Low to medium	Limited potential sources of contaminants have been identified at the Site and it is not possible to discount the possibility that contamination of the shallow groundwater may have occurred. It is noted however, that the main sources of contamination identified to date at the Site continue out with the Site boundary and as such, it would be difficult to attribute any contamination present in the groundwater solely to the Site. Further investigation is required to confirm this, however.

Receptor	Potential Sources	Pathways	Risk	Justification / Mitigation
				The proposed development is likely to comprise predominately hardcover which would reduce rainwater infiltration and the potential for leaching and migration.
On-Site surface water course (East Tullos Burn)	Elevated concentrations of contaminants within the made ground at the Site	Leaching and migration	Low to medium	Limited potential sources of contaminants have been identified at the Site and it is not possible to discount the possibility that contamination of the water feature on-Site may have occurred. It is noted however, that the main sources of contamination identified to date at the Site continue out with the Site boundary and as such, it would be difficult to attribute any contamination present in the surface water solely to the Site. Further investigation is required to confirm this, however.
Nigg Bay Coastal Waters	Elevated concentrations of contaminants within the made ground at the Site	Leaching and migration	Low	Limited potential sources of contaminants have been identified at the Site and it is not possible to discount the possibility that contamination of the coastal waters in Nigg Bay may have occurred. It is considered however that the effects of dilution would rapidly reduce the concentrations of any contaminants entering the waters. Furthermore, the sources of contaminants identified at the Site continue out with the Site boundary and it would be difficult to attribute contamination encountered within the waters of Nigg Bay to the Site alone.
The Water Environment (i.e. any of the above)	Introduction of new sources of contamination onto the site as a result of the proposed development works	Leaks and spillages	Low to medium	The redevelopment of the Site would introduce new potential sources of contamination both during the construction and operation of the development. The storage of fuels and other hazardous substances, including refuelling procedures should be managed via an Environmental Management Plan which should be adhered to by all contractors. Post development, appropriate regulatory controls relating to fuel and oil storage should be followed by the Site operators in order to minimise the risk.

Receptor	Potential Sources	Pathways	Risk	Justification / Mitigation
The Terrestrial Environment				
Animal and plant receptors within the Balnagask to Cove LNCS	Elevated concentrations of contaminants within made ground at the Site Migration of contaminants from off-Site sources	Plant uptake, direct contact, ingestion	Medium	The onsite LNCS was designated as such in part to ecological value (i.e. coastal and natural grassland, heaths and coastal plants, insects and birds.) It is considered possible that harm from long-term exposure to contamination (if present) could potentially occur, although no clear evidence that this is the case has been noted to date. Investigation of this portion of the site would determine whether contamination is present.
Other flora and fauna	Elevated concentrations of contaminants within made ground at the Site Migration of contaminants from off-Site sources	Plant uptake, direct contact, ingestion	Low	As flora and fauna outwith the LNCS are not designated, the potential harm from contamination is lower, as such, risk is likewise lower.

5. Conclusions

5.1 Environmental Conclusions

No significant sources of contamination have been identified across the majority of the Site. However, a railway line, graveyard, historical rifle range and edge of a landfill are present on-Site and previous investigations undertaken by others has identified the presence of made ground to the southwest of Nigg Bay. The landfill and railway line both extend outwith the Site boundary and it is not possible to discount the risk of contaminants and ground gas associated with these migrating onto and across the Site.

Given the proposed industrial redevelopment the overall risk rating for the Site is assessed as medium.

Potentially Unacceptable Risks

The potential pollutant linkages identified for the Site as follows:

- The risk to current and future Site users (including construction workers) as a result of direct contact with soil or water within the burn, ingestion and inhalation with potentially contaminated soils, either present on-Site or migrating from off-Site sources;
- The risk to future Site users and adjacent residents associated with the migration and accumulation of ground gas and radon within structures;
- The risk to adjacent site as a result of the wind blowing contaminated soils to sensitive offsite landuses (e.g. St. Fitticks Community Park, houses in the vicinity);
- The risk to buried services and structures associated with direct contact with potentially contaminated soils;
- The risk to the water environment (onsite East Tullos Burn and groundwater, and the coastal waters of the Nigg Bay, immediately offsite and down-hydraulic gradient) from the leaching and migration of elevated concentrations of contaminants within made ground at the Site (if currently present);
- The risk to the water environment due to leaks and spillages as a result of the proposed development works;
- The risk to animal and plant receptors from plant uptake, direct contact, and/or ingestion of contaminated soils (or plants which have taken up contamination soils).

While limited potential sources of contamination have been identified at the Site, these are expected to continue out with the Site boundary. As such, it would be difficult to attribute any contamination present in the groundwater or surface water features to the Site alone. For this reason, the risk to the Water Environment is not considered to be significant.

5.2 Geotechnical Conclusions

The ground conditions at the Site are anticipated to comprise a mixture of topsoil and made ground, underlain predominately by granular marine strata. Glacial till deposits belonging to the Mill of Forest Till Formation are likely to be encountered inland of Nigg Bay and on higher ground. Metamorphic bedrock, belonging to the Aberdeen Formation, is present at depth.

A moderate risk associated with compressible ground and running sand has been identified at the Site. No other stability hazards have been identified. The Site is not located within an area of past underground mineral extraction, although several sand and gravel quarries have been identified on historical map extracts for the area.



The shallow superficial deposits may provide suitable support for lightly loaded structures, although this would need to be confirmed through appropriate ground investigation. Similarly, parameters for road and pavement design would also be confirmed through intrusive investigation and laboratory analysis.

6. Recommendations

The following actions are recommended to address the potentially unacceptable environmental risks identified:

- It is recommended that a programme of Site investigation to investigate the potential presence of contamination and ground gas at the Site is undertaken in order to confirm potential environmental risks to existing and future Site users, future construction workers, structures and utilities, the Water Environment and environmentally sensitive receptors;
- The Site investigation should also allow for geotechnical assessment to assist with foundation, road and pavement design; and
- It is recommended that all reports prepared for the Site are sent to the Local Authority for approval.

In addition to the above, it is recommended that an Environmental Management Plan (EMP) is produced to cover the construction of the proposed development and set out control measures to minimise all environmental risks associated with the proposed development.

GLOSSARY

For the purpose of this report, the following terms and definitions apply (see BS 10175:2001).

Accuracy	Level of agreement between true value and observed value.
Conceptual Exposure model	<p>Textual and or schematic hypothesis of the nature and sources of contamination, potential migration pathways (including description of the ground and groundwater) and potential receptors, developed on the basis of the information from the preliminary investigation and refined during subsequent phases of investigation and which is an essential part of the risk assessment process.</p> <p>Note 1: The conceptual exposure model is initially derived from the information obtained by the preliminary investigation. This conceptual model is used to focus subsequent investigations, where these are considered to be necessary, in order to meet the objectives of the investigations and the risk assessment. The results of the field investigation can provide additional data that can be used to further refine the conceptual model.</p>
Contamination	<p>Presence of a substance which is in, on or under land, and which has <u>the potential</u> to cause significant harm or to cause significant pollution of controlled water.</p> <p>Note 1: There is no assumption in this definition that harm results from the presence of the contamination.</p> <p>Note 2: Naturally enhanced concentrations of harmful substances can fall within this definition of contamination.</p> <p>Note 3: Contamination may relate to soils, groundwater or ground gas.</p>
Controlled water	<p>Inland freshwater (any lake, pond or watercourse above the freshwater limit), water contained in underground strata and any coastal water between the limit of highest tide or the freshwater line to the three mile limit of territorial waters.</p> <p>Note 1: See Section 104 of The Water Resources Act 1991.</p>
Harm	Adverse effect on the health of living organisms, or other interference with ecological systems of which they form part, and, in the case humans, including property.
Hazard	Inherently dangerous quality of a substance, procedure or event.
Pathway	Mechanism or route by which a contaminant comes into contact with, or otherwise affects, a receptor.
Precision	Level of agreement within a series of measurements of a parameter.
Receptor	Persons, living organisms, ecological systems, controlled water, atmosphere, structures and utilities that could be adversely affected by the contaminant(s).
Risk	Probability of the occurrence, magnitude and consequences of an unwanted adverse effect on a receptor.
Risk assessment	Process of establishing, to the extent possible, the existence, nature and significance of risk.
Sampling	Methods and techniques used to obtain a representative sample of the material under investigation.
Soil	<p>Upper layer of the earth's crust composed of mineral parts, organic substance, water, air and living matter.</p> <p>Note 1: In accordance with BS 10175:2001 the term soil has the meaning ascribed to it through general use in civil engineering and includes topsoil and subsoil; deposits such as clays, silt, sand, gravel, cobbles, boulders and organic deposits such as peat; and material of natural or human origin (e.g. fills and deposited wastes). The term embraces all components of soil, including mineral matter, organic matter, soil gas and moisture, and living organisms.</p>
Source	<p>Location from which contamination is, or was, derived.</p> <p>Note 1: This could be the location of the highest soil or groundwater concentration of the contaminant(s).</p>
Uncertainty	Parameter, associated with the result of a measurement that characterizes the dispersion of the values that could reasonably be attributed to the measurement.

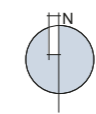
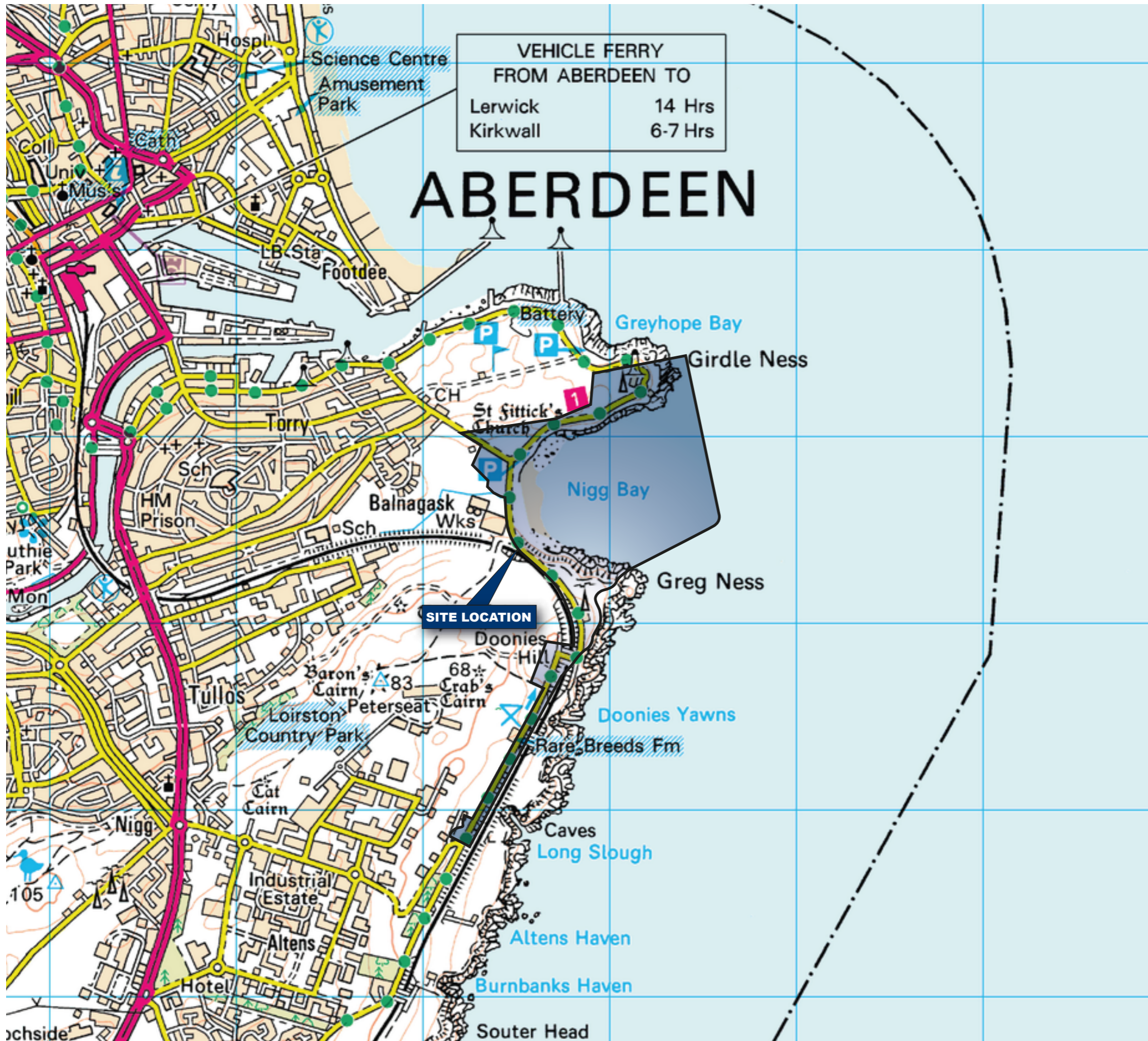


APPENDICES

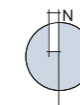
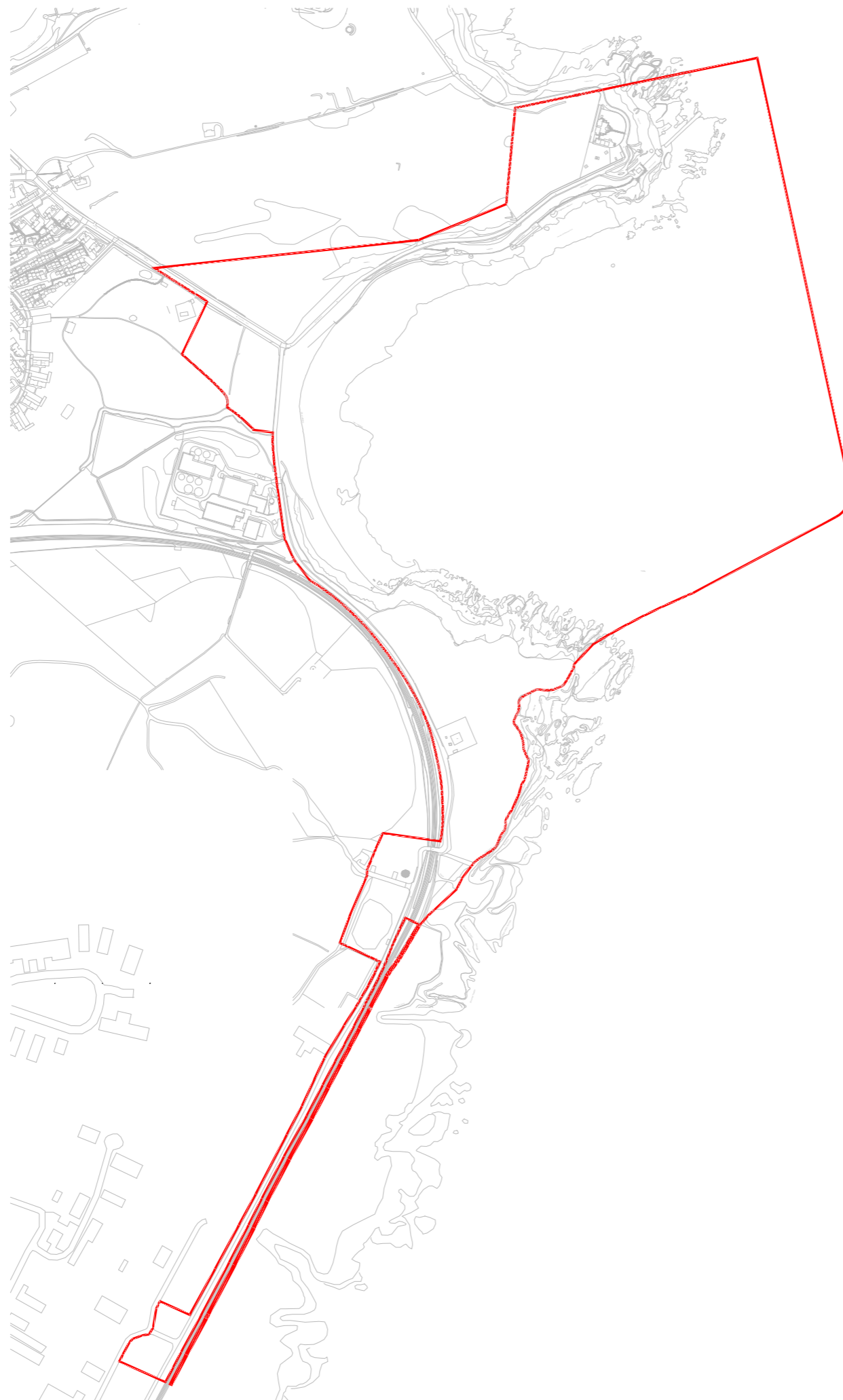
Appendix A

Site Plans

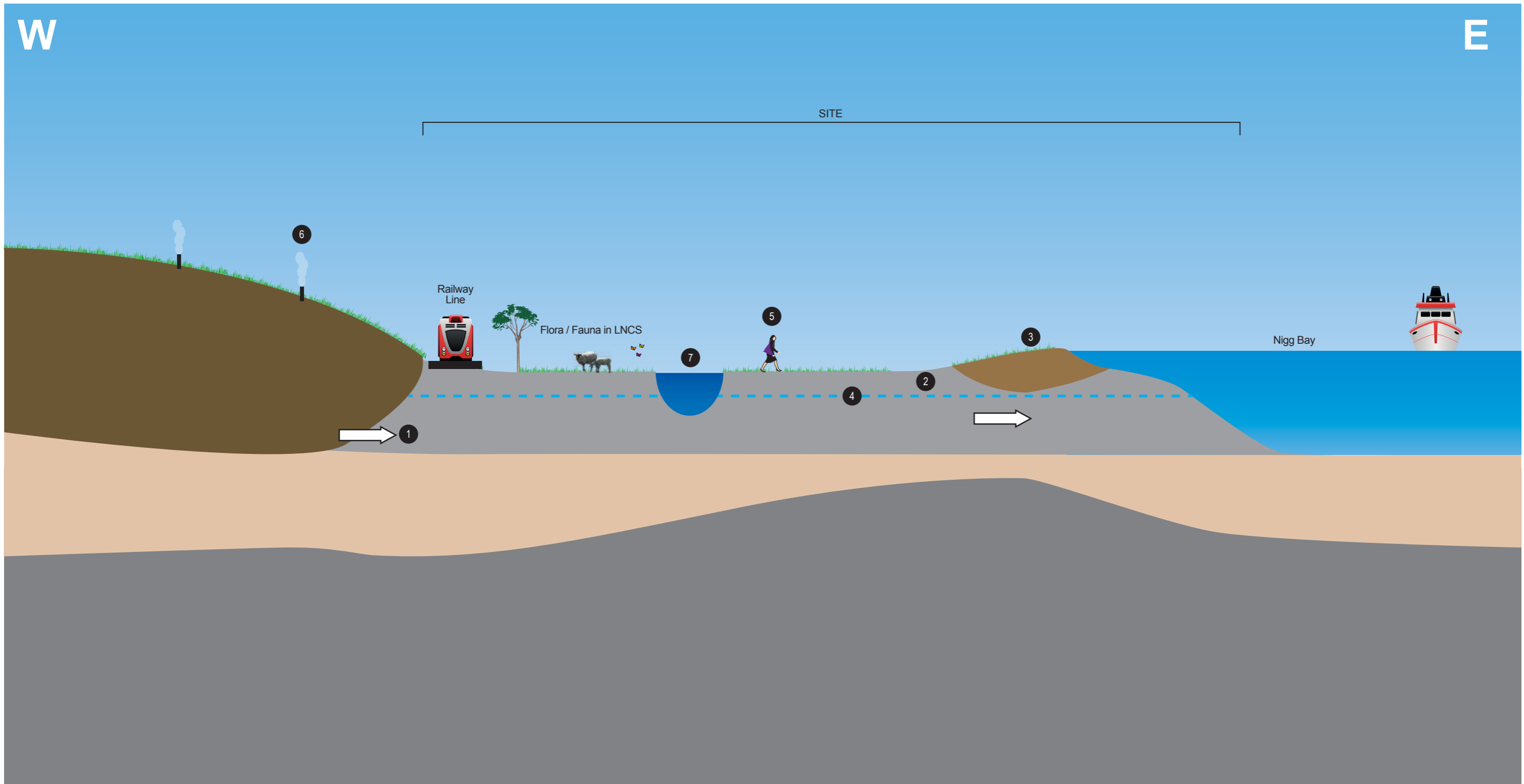
- **Site Location Plan**
- **Site Plan**
- **Conceptual Model**









Project Details	EED14221-100: Aberdeen Harbour
Figure Title	Figure A1: Site Location Plan
Figure Ref	EED14221-100_GR_PERA_A1A
Date	May 2014
File Location	\\nt-incs\weed\projects\eed14221\100\graphics\pera\issued figures










Project Details	EED14221-100: Aberdeen Harbour
Figure Title	Figure A2: Site Plan
Figure Ref	EED14221-100_GR_PERA_A2A
Date	May 2014
File Location	\\nt-hcs\weed\projects\eed14221\100\graphics\pera\issued figures



-  Made Ground
-  Closed Landfill
-  Granular Marine Deposits

-  Glacial Till
-  Aberdeen Formation Metamorphic Bedrock
-  East Tullos Burn (n.b. flows from industrial area to Nigg Bay)

-  1 Potential for contamination and gas migration onto site and into shallow groundwater
-  2 Potential contamination associated with railway line
-  3 Potential contamination associated with made ground
-  4 Shallow aquifer potentially impacted by contamination from railway and landfill

-  5 Current site users (including Green Space Network users) and users of adjacent recreational resources could come into contact with contamination in unsurfaced site area
-  6 Existing gas vents
-  7 Onsite East Tullos Burn could serve as a pathway for offsite pollution to come into contact with onsite human health and environmental receptors; it could also be a receptor to contamination if present onsite

Project Details	WIB14221-100: Aberdeen Harbour
Figure Title	Figure A3: Conceptual Site Model
Figure Ref	WIB14221-100_GR_PERA_A3B
Date	October 2015
File Location	\\s-inc\wiel\projects\wib14221\100\graphics\pera\issued figures



Appendix B

Site Photographs

- **Plates 1 - 6 (1 Page)**



Plate 1: Looking north to Girdleness Lighthouse



Plate 2: Fly tipping adjacent to the road



Plate 3: Waste Water Treatment works to the west



Plate 4: Looking north across Nigg Bay



Plate 5: Gas vent pipes on former landfill



Plate 6: Railway line adjacent to the site boundary

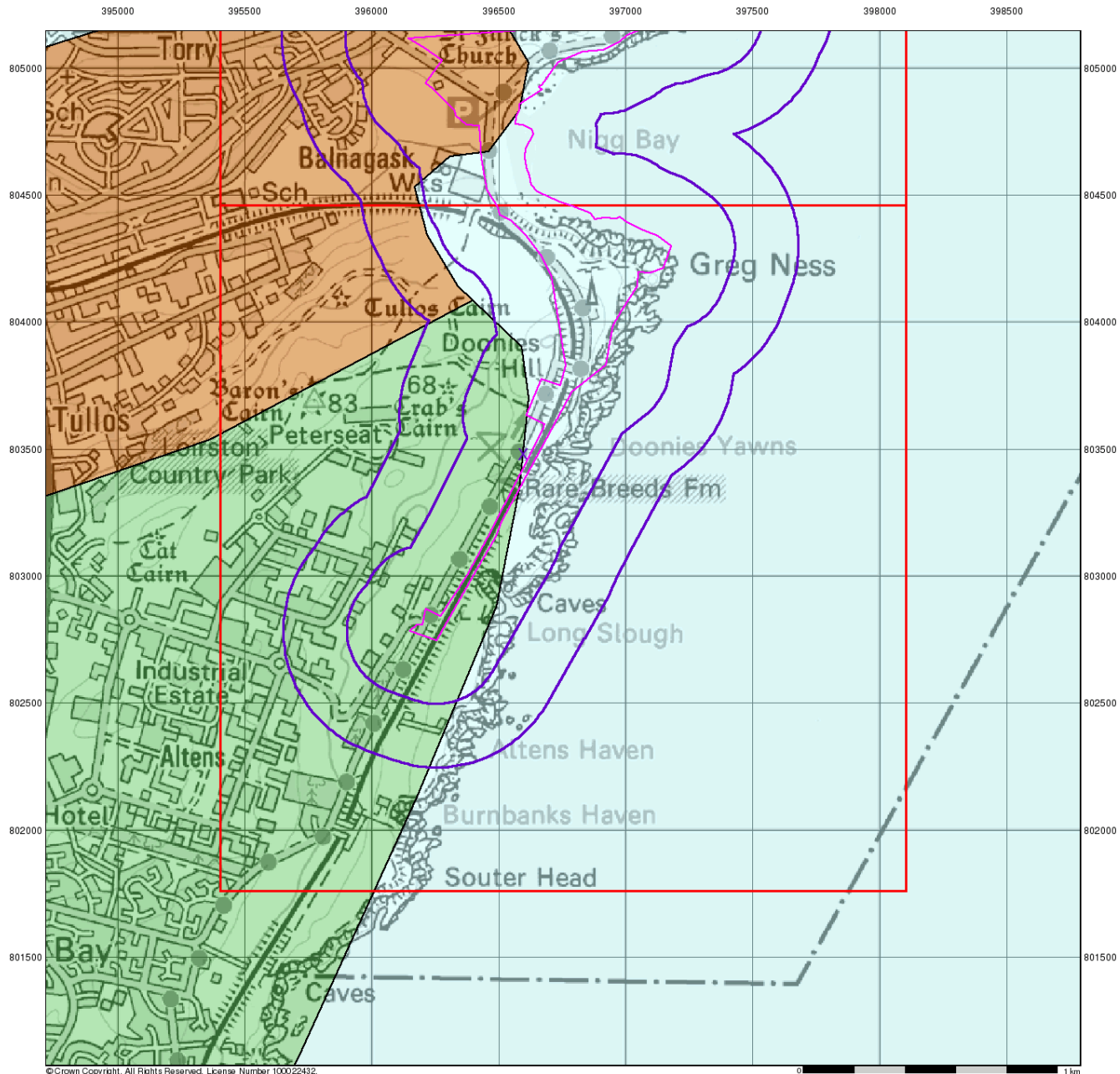
Project Details	EED14221-100: Aberdeen Harbour
Figure Title	Figure B1: Site Photographs
Figure Ref	EED14221-100_GR_PERA_B1A
Date	May 2014
File Location	\\nt-lncs\weed\projects\eed14221\100\graphics\pera\issued figures



Appendix C

Consultation Information

- **Landmark Technical Report**



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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

Highly Permeable

Moderately Permeable

Weakly Permeable

Water or Sea

Drift Deposit

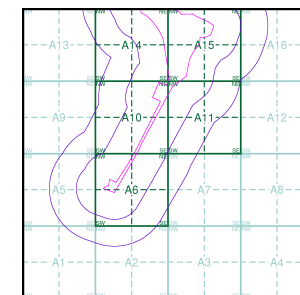
Soil Classes

High

Intermediate

Low

Site Sensitivity Context Map - Slice A



Order Details

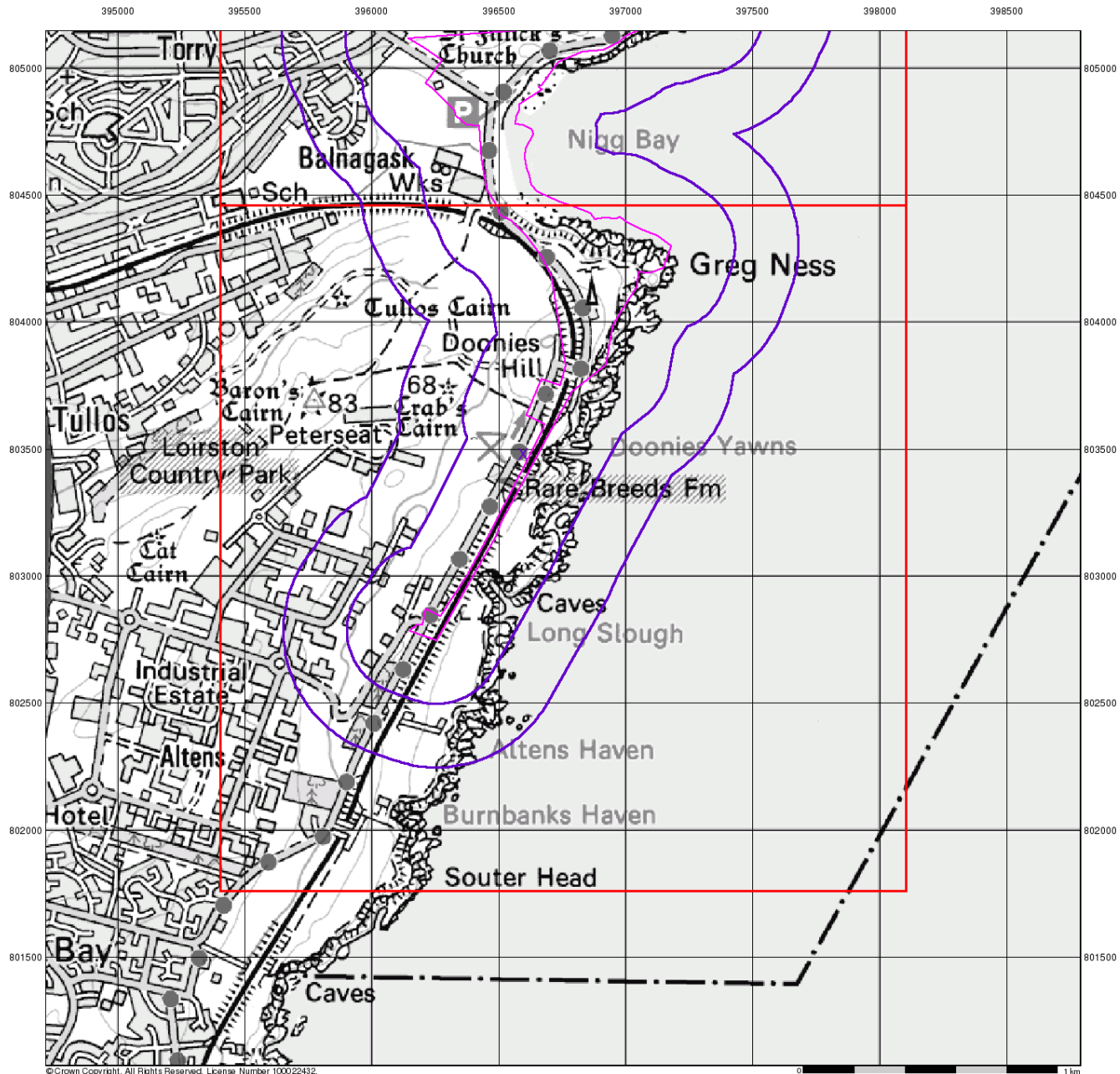
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 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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



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0 1 km



Source Protection Zones

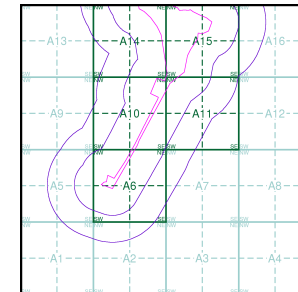
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

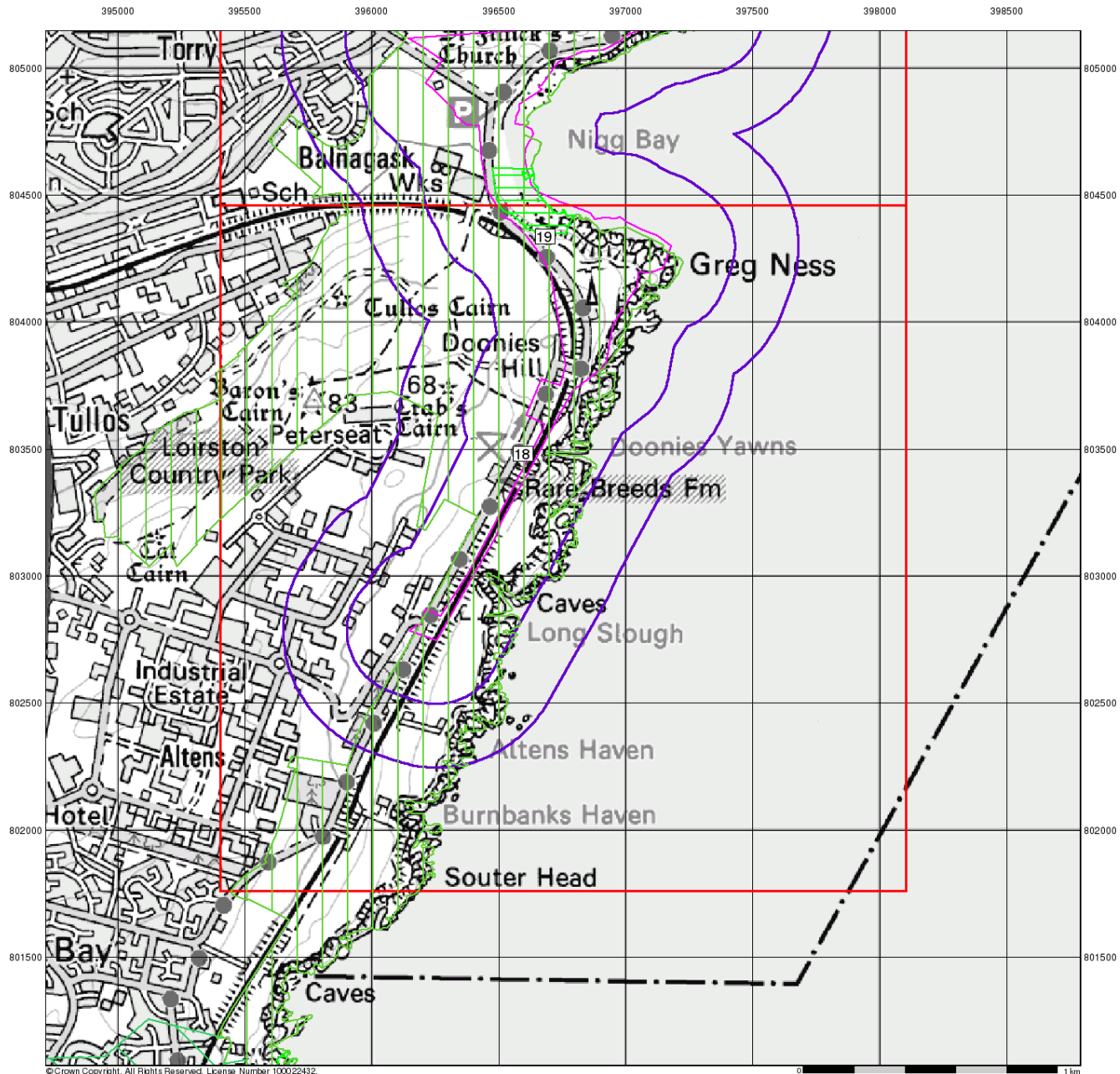
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 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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0 1 km



Sensitive Land Uses

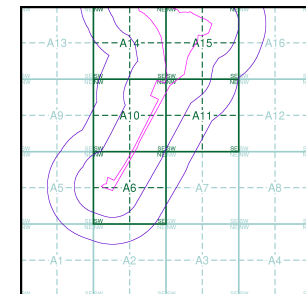
General

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

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- National Scenic Area
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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Datasheet

Order Details:

Order Number:

55426788_1_1

Customer Reference:

EED14221-100

National Grid Reference:

396600, 803480

Slice:

A

Site Area (Ha):

63.21

Search Buffer (m):

500

Site Details:

Site at

Nigg Bay

Aberdeen City

Client Details:

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Waterman Energy Environment & Design Ltd

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G2 1BT

Report Section	Page Number
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Hazardous Substances	-
Geological	8
Industrial Land Use	-
Sensitive Land Use	23
Data Currency	24
Data Suppliers	28
Useful Contacts	29

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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Agency & Hydrological				
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1		6	4
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	pg 3		1	
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances	pg 3			2
River Quality				
Substantiated Pollution Incident Register				
Water Abstractions				
Water Industry Act Referrals				
Groundwater Vulnerability	pg 3	Yes	n/a	n/a
Source Protection Zones				
River Flood Data (Scotland)				n/a
Detailed River Network Lines				
Detailed River Network Offline Drainage				
Waste				
BGS Recorded Landfill Sites				
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)				
Local Authority Recorded Landfill Sites				
Registered Landfill Sites	pg 5	3		1
Registered Waste Transfer Sites	pg 7	1	1	
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				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Geological				
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 18		2	3
BGS Urban Soil Chemistry				
BGS Urban Soil Chemistry Averages				
Brine Compensation Area			n/a	n/a
Coal Mining Affected Areas			n/a	n/a
Mining Instability			n/a	n/a
Man-Made Mining Cavities				
Natural Cavities				
Non Coal Mining Areas of Great Britain	pg 19		Yes	n/a
Potential for Collapsible Ground Stability Hazards	pg 19	Yes	Yes	n/a
Potential for Compressible Ground Stability Hazards	pg 20	Yes	Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 20	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 20	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 21	Yes		n/a
Radon Potential - Radon Affected Areas	pg 21	Yes	n/a	n/a
Radon Potential - Radon Protection Measures	pg 21	Yes	n/a	n/a
Industrial Land Use				
Contemporary Trade Directory Entries (50m)				n/a
Fuel Station Entries				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Areas of Adopted Green Belt	pg 23	1		
Areas of Unadopted Green Belt				
Environmentally Sensitive Areas				
Forest Parks				
Local Nature Reserves				
Marine Nature Reserves				
National Nature Reserves				
National Parks				
National Scenic Areas				
Nitrate Sensitive Areas				
Nitrate Vulnerable Zones				
Ramsar Sites				
Sites of Special Scientific Interest	pg 23	1		
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Aberdeen District Council Property Type: Not Given Location: Car Park, Doonies Farm, Altens, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/94/37/U Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 24th February 1995 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Groundwater Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10NE (NE)	10	1	396650 803550
2	<p>Discharge Consents</p> <p>Operator: Mr James Donald Property Type: Not Given Location: Doonies Farm, Nigg, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/78/4 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th May 1978 Revocation Date: Not Supplied Discharge Type: Surface Water Discharge: Coastal Environment: Receiving Water: North Sea Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10SE (SW)	17	1	396550 803370
3	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Altens Industrial Estate, Cave Of Red Rocks , South West Outfall Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/89/12* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 3rd October 1989 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	108	1	396450 802870
3	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Altens Industrial Estate, Cave Of Red Rocks , South West Outfall Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/87/22/D* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	110	1	396450 802865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: North Of Scotland Water Authority Property Type: Not Given Location: Red Rocks Surface Water Sewer, Altens Industrial Estate, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: PN/K/96/45/S Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th July 1996 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: North Sea Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	112	1	396455 802870
3	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Altens Industrial Estate, Cave Of Red Rocks , South West Outfall Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/95/13/C/R Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 18th May 1995 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6NE (S)	115	1	396455 802865
4	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Altens Industrial Estate, Easter Croft Surface Water Sewer Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/95/12/C/R Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 18th May 1995 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (S)	351	1	396310 802400
4	<p>Discharge Consents</p> <p>Operator: North Of Scotland Water Authority Property Type: Not Given Location: Easter Croft Surface Water Sewer, Altens Industrial Estate, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: PN/K/96/48/S Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th July 1996 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: North Sea Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (S)	352	1	396315 802400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Altens Industrial Estate, Easter Croft Surface Water Outfall Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/89/11* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 3rd October 1989 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (S)	356	1	396310 802395
4	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Altens Industrial Estate, Easter Croft Surface Water Outfall Authority: Scottish Environment Protection Agency, North Region Catchment Area: Kincardine Reference: K/87/23/D* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th October 1987 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NW (S)	357	1	396315 802395
	<p>Nearest Surface Water Feature</p>	A14NE (N)	0	-	396672 804386
5	<p>Prosecutions Relating to Authorised Processes</p> <p>Location: Ness Farm Landfill Site, Tullos Hill, Aberdeen Prosecution Text: Failing to comply with security conditions of the held WML Prosecution Act: Epa90 S33(6) Hearing Date: 24th August 2006 Verdict: Guilty Fine: 6600 Costs: 0 Positional Accuracy: Manually positioned within the geographical locality</p>	A14SE (N)	214	3	396527 803955
6	<p>Registered Radioactive Substances</p> <p>Name: Metal & Pipeline Endurance Ltd Location: C/o Press Offshore, Minto Drive, Dyce, ABERDEEN, Aberdeenshire, AB1 4LW Authority: Scottish Environment Protection Agency, Head Office Permit Reference: IPB/3/2/GA/110 Dated: 24th January 1984 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 Status: Not Given Positional Accuracy: Unknown</p>	A5NE (SW)	426	2	395743 802902
6	<p>Registered Radioactive Substances</p> <p>Name: Metal & Pipeline Endurance Ltd Location: C/o Press Offshore, Minto Drive, Dyce, ABERDEEN, Aberdeenshire, AB1 4LW Authority: Scottish Environment Protection Agency, East Region Permit Reference: IPB/3/2/GA/110 Dated: 12th June 1990 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 Status: Not Given Positional Accuracy: Unknown</p>	A5NW (SW)	431	3	395738 802902
	<p>Groundwater Vulnerability</p> <p>Geological Classification: Inland water or sea Soil Classification: Not classified Map Sheet: Sheet 54 Map Of Scotland Scale: 1:625,000</p>	A10NE (W)	0	2	396595 803479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Geological Classification: Non or Weakly Permeable Aquifer - These formations with negligible permeability that are generally regarded as containing insignificant quantities of groundwater Soil Classification: Not classified Map Sheet: Map of Scotland Scale: 1:625,000	A10NE (W)	0	2	396595 803479
	Groundwater Vulnerability Geological Classification: Minor or Moderately Permeable Aquifer - Fractured or potentially fractured rocks which do not have a high primary permeability or other formations of variable permeability Soil Classification: Not classified Map Sheet: Map of Scotland Scale: 1:625,000	A14SW (NW)	0	2	396302 804034
	Drift Deposits None				
	River Flood Data (Scotland) None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Aberdeen City Council - Has no landfill data to supply		0	7	396595 803479
7	Registered Landfill Sites Licence Holder: Aberdeen City Council Licence Reference: WML/N/20016 Site Location: Ness Farm, Tullos Hill, Nigg Bay, Aberdeen, Aberdeenshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 38 Powis Terrace, ABERDEEN, Aberdeenshire, AB2 3QE Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: May not be working Under Review Dated: 29th October 1999 Preceded By: WML/N/20016/97 Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: After 31/08/2000 - Inactive Waste Only - Comprising Asbestos Brick, Stone, Concrete Rubble Household, Commercial & Industrial Waste Or Active Waste (Until 31/08/2000) Non-Special Fragmentiser Waste Containing Mineral Oil Uncontam Soil/Subsoil Prohibited Waste: Liquid Wastes Other Waste/Waste Not Otherwise Specified Special Waste (As In Epa 1990:S62 Of 1996 Regs) - Except	A10NE (NW)	0	4	396507 803539
8	Registered Landfill Sites Licence Holder: Aberdeen City Council Licence Reference: WML/N/20016/97 Site Location: Ness Farm, Tullos Hill, Nigg Bay, Aberdeen, Aberdeenshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 38 Powis Terrace, ABERDEEN, Aberdeenshire, AB2 3QE Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record superseded Superseded Dated: 31st October 1997 Preceded By: 1995/02 Licence: Superseded By: WML/N/20016 Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Asbestos H'Hold/Com./Ind. Waste (S75 Epa'90) Max.Waste Permitted By Licence Mineral Oil Mineral Oils Non-Spec. Stabil'D Drilling Mud Cont Non-Special Fragmentiser Waste Contain Sub'S Control. Radioactive Subs Act'60 Prohibited Waste: Spec.Waste (Epa'90:S62) Except	A10NE (NW)	0	4	396507 803539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Registered Landfill Sites</p> <p>Licence Holder: Taylors Industrial Cleaners Licence Reference: 1990/12 Site Location: Gregness, Aberdeen, Aberdeenshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 36 Woodbirm Avenue, ABERDEEN, Aberdeenshire, AB1 8JQ Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence has completion certificateSurrendered Dated: 1st September 1979 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Liquid Cesspool Emptyings Sludge Cesspool Emptyings Prohibited Waste: Liable To Cause Enviromental Hazards Poisonous, Noxious, Polluting Wastes Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval Sludge Wastes Of Known Spec'N</p>	A11NW (NE)	0	4	396763 803678
10	<p>Registered Landfill Sites</p> <p>Licence Holder: Aberdeen City Council Licence Reference: 1995/02 Site Location: Ness Farm, Tullos Hill, Nigg Bay, Aberdeen, Aberdeenshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 38 Powis Terrace, ABERDEEN, Aberdeenshire, AB2 3QE Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Landfill - with civic amenity Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 1st April 1984 Preceded By: Not Given Licence: Superseded By: WML/N/20016/97 Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Asbestos Domestic, Com. & Ind. Waste Max.Waste Permitted By Licence Prohibited Waste: Liquid Wastes Special Wastes (As In S17 1980) N.O.S Waste N.O.S. Environment Agency Low-Level Radioactive W.Perm By Hmipi must give specific authorisation for this waste to be acceptedWaste requires prior approval Soil Contam.With Beet Rhizomania</p>	A10NW (NW)	474	4	396155 803769

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Northumbrian Environmental Man'T Ltd Licence Reference: WML/N/20017/96 Site Location: Ness Farm C.A.Site, Nigg Bay, Nigg, Aberdeen, Aberdeenshire Operator Location: The Pickeridge, Stoke Common Road, FULMER, Buckinghamshire, SL3 6HA Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site Closed Dated: 31st January 1997 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Household Waste Max.Waste Permitted By Licence Prohibited Waste: All Asbestos Wastes All Commercial Wastes All Industrial Wastes Liquids Except W.Oil From Households Waste N.O.S.</p>	A10NE (NE)	0	4	396700 803700
12	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Shell Uk Exploration & Production Licence Reference: WML/N/20163 Site Location: Operations Base Minto Avenue, Altens Industrial Estate, Aberdeen, Aberdeenshire Operator Location: 1 Altens Farm Road, Nigg, Aberdeen, Aberdeenshire Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 30th September 1999 Preceded By: WML/N/20163/97 Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate Authorised Waste: Industrial Wastes From Offshore Oil/Gas Exploration/Production - Including Liquid Wastes Maximum Waste Permitted By Licence Special Waste (As In Epa 1990:S62 Of 1996 Regs) Prohibited Waste: Household & Commercial Waste Industrial Waste Not From Offshore Activities/Assoc.Support Other Waste/Waste Not Otherwise Specified</p>	A10SW (SW)	225	4	396202 803184

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Quartzmica-schist, grit, slate and phyllite (Upper Dalradian)	A10SW (W)	0	5	396340 803390
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (NE)	0	6	396776 803757
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (NE)	0	6	396605 803493
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SW (NE)	0	6	396913 803830
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (N)	0	6	396618 803767
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (NW)	0	6	396594 803481
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NW)	0	6	396068 804459

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	0	6	396840 804263
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (N)	0	6	396696 804374
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	0	6	396442 803040
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NW (S)	0	6	396405 803000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	0	6	396934 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NE (W)	0	6	396595 803479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (N)	0	6	396595 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	0	6	396989 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NE (E)	0	6	396627 803470
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NE (NE)	0	6	396607 803490
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (N)	0	6	396749 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (NE)	0	6	397000 804161

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	0	6	396873 803790
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (NE)	0	6	396777 803675
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	0	6	397000 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	0	6	396883 804267
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	0	6	396900 804350
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (NE)	2	6	396821 803738

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	4	6	396595 803000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NE (E)	6	6	396660 803471
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (NE)	8	6	396782 803694
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (NE)	26	6	396806 803640
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	36	6	397000 803918
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (NE)	55	6	396807 803630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NW (NE)	57	6	396811 803624
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	61	6	397000 803873
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	69	6	397000 803841
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	90	6	396560 803000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	98	6	397055 803973
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	108	6	397082 804000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	109	6	396502 802915
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NW (SW)	126	6	396152 803000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	129	6	396441 802812
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (NE)	131	6	397083 803955
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	140	6	396534 802927
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SE (NE)	147	6	397129 804000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A5NE (SW)	152	6	395940 803000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NE (S)	153	6	396531 802882
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (E)	186	6	396846 803437
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A5NE (SW)	202	6	396000 803000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (SE)	230	6	396834 803321
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A5NE (SW)	249	6	396000 803092

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SW (SW)	254	6	396234 803316
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NW (NW)	282	6	396350 803779
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6SW (S)	297	6	396380 802460
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (W)	302	6	396000 803479
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6SW (S)	303	6	396305 802448
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SW)	307	6	396012 803192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (NW)	376	6	396348 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (W)	399	6	396000 803434
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NW (W)	410	6	396160 803484
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A2NW (S)	422	6	396398 802350
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (NW)	427	6	396166 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NW)	432	6	396000 804425

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (NW)	438	6	396267 804000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (NW)	452	6	396225 803906
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NW)	466	6	396000 804262
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NW (W)	475	6	396119 803642
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NW)	485	6	395982 804418
13	BGS Recorded Mineral Sites Site Name: Doonies Hill Gravel Pit Location: Doonies Hill, Altens, Aberdeen, Aberdeenshire Source: British Geological Survey, National Geoscience Information Service Reference: 164703 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary, Devensian Geology: Lochton Sand And Gravel Formation Commodity: Mineral Positional Accuracy: Located by supplier to within 10m	A14NE (N)	228	5	396472 804140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	BGS Recorded Mineral Sites Site Name: Altens Gravel Pit Location: , Altens, Aberdeen, Aberdeenshire Source: British Geological Survey, National Geoscience Information Service Reference: 164720 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary, Devensian Geology: Mill Of Forest Till Formation Commodity: Mineral Positional Accuracy: Located by supplier to within 10m	A5NE (SW)	241	5	395911 802776
15	BGS Recorded Mineral Sites Site Name: Crab'S Cairn Quarries Location: Tullos Hill, Altens, Aberdeen, Aberdeenshire Source: British Geological Survey, National Geoscience Information Service Reference: 164701 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Neoproterozoic Geology: Aberdeen Formation Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	268	5	396360 803731
16	BGS Recorded Mineral Sites Site Name: Crab'S Cairn Quarries Location: Tullos Hill, Altens, Aberdeen, Aberdeenshire Source: British Geological Survey, National Geoscience Information Service Reference: 164702 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Neoproterozoic Geology: Aberdeen Formation Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	305	5	396340 803780
17	BGS Recorded Mineral Sites Site Name: Crab'S Cairn Quarries Location: Tullos Hill, Altens, Aberdeen, Aberdeenshire Source: British Geological Survey, National Geoscience Information Service Reference: 164700 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Neoproterozoic Geology: Aberdeen Formation Commodity: Igneous and Metamorphic Rock Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	316	5	396303 803711
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A6NE (S)	112	5	396504 802912
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A6NE (S)	142	5	396536 802924
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	189	5	396848 803437
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	5	396069 804456
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	233	5	396836 803318
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10NE (N)	0	5	396614 803673
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	5	396069 804456
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	9	5	396507 803543
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A5NE (SW)	136	5	396037 802858
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	233	5	396836 803318
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	5	396779 803672
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	5	396883 804264
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	5	396591 803483
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	59	5	396811 803624
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15SW (NE)	101	5	397057 803970
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SW (NE)	134	5	397085 803952
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	189	5	396848 803437
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	233	5	396836 803318
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14NE (N)	0	5	396698 804371
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (E)	0	5	396662 803468
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	5	396069 804456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NE)	0	5	396607 803489
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	9	5	396507 803543
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	233	5	396836 803318
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (E)	0	5	396662 803468
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NE)	0	5	396607 803489
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	5	396069 804456
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	233	5	396836 803318
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15NW (NE)	0	5	396902 804172
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15NW (NE)	0	5	396877 804147
	Radon Potential - Radon Protection Measures Protection Measure: Stage 1 radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15SW (NE)	0	5	396902 803997
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A14SE (N)	0	5	396627 803847
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A6NW (SW)	0	5	396327 803047
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A15NW (NE)	0	5	396902 804172
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A15NW (NE)	0	5	396877 804147
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A10NE (W)	0	5	396595 803479
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A15SW (NE)	0	5	396902 803997

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Radon Potential - Radon Affected Areas</p> <p>Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A14SE (N)	0	5	396627 803847
	<p>Radon Potential - Radon Affected Areas</p> <p>Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A6NW (SW)	0	5	396327 803047

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Areas of Adopted Green Belt Authority: Aberdeen City Council Plan Name: Aberdeen City Local Development Plans Status: Adopted Plan Date: 29th February 2012	A10NE (W)	0	7	396595 803479
19	Sites of Special Scientific Interest Name: Nigg Bay Multiple Areas: N Total Area (m2): 44716.4 Source: Scottish Natural Heritage Reference: 1224 Designation Details: Geological Designation Date: 14th August 1984 Date Type: Designated	A14NE (N)	0	9	396682 804334

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Aberdeen City Council Aberdeenshire Council	July 2013 March 2014	Annual Rolling Update Annual Rolling Update
Discharge Consents Scottish Environment Protection Agency - North Region	February 1998	Variable
Enforcement and Prohibition Notices Scottish Environment Protection Agency - North Region	January 2012	Not Applicable
Integrated Pollution Controls Scottish Environment Protection Agency - Head Office Scottish Environment Protection Agency - North Region	February 1998 March 2002	Variable Variable
Local Authority Pollution Prevention and Controls Scottish Environment Protection Agency - North Region	March 2002	Variable
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Prosecutions Relating to Authorised Processes Scottish Environment Protection Agency - East Region Scottish Environment Protection Agency - North Region	March 2007 March 2007	Not Applicable Not Applicable
Prosecutions Relating to Controlled Waters Scottish Environment Protection Agency - North Region	March 2007	Not Applicable
Registered Radioactive Substances Scottish Environment Protection Agency - East Region Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - Head Office	April 1996 February 1998 January 1998	Variable Variable Variable
River Quality Scottish Environment Protection Agency - Head Office	December 1990	Not Applicable
Water Abstractions Scottish Executive - Agriculture, Environment and Fisheries Department	December 1997	Not Applicable
Water Industry Act Referrals Scottish Environment Protection Agency - North Region	April 1996	Variable
Groundwater Vulnerability Scottish Environment Protection Agency - Head Office	December 1995	Not Applicable
Drift Deposits Scottish Environment Protection Agency - Head Office	December 1995	Not Applicable
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Integrated Pollution Control Registered Waste Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - Head Office	February 1998 January 1998	Variable Variable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area	February 2014 February 2014 February 2014 February 2014	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Aberdeen City Council Aberdeenshire Council	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Aberdeen City Council Aberdeenshire Council	May 2000 May 2000	Not Applicable Not Applicable
Registered Landfill Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - North Region - Aberdeen Office	December 2005 December 2005	Not Applicable Not Applicable
Registered Waste Transfer Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - North Region - Aberdeen Office	December 2005 December 2005	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - North Region - Aberdeen Office	December 2005 December 2005	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2014	Bi-Annually
Explosive Sites Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Aberdeenshire Council - Aberdeenshire Council - Banff Area Aberdeen City Council - Planning and City Development Services	March 2014 November 2012	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Aberdeenshire Council - Aberdeenshire Council - Banff Area Aberdeen City Council - Planning and City Development Services	March 2014 November 2012	Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2013	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	February 2014	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2014	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Aberdeen City Council Aberdeenshire Council	February 2014 February 2014	As notified As notified
Areas of Unadopted Green Belt Aberdeen City Council Aberdeenshire Council	February 2014 February 2014	As notified As notified
Environmentally Sensitive Areas Scottish Executive - Geographic Information Service	August 2013	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Aberdeen City Council Aberdeenshire Council	May 2013 May 2013	Bi-Annually Bi-Annually
Marine Nature Reserves Scottish Natural Heritage	February 2012	Bi-Annually
National Nature Reserves Scottish Natural Heritage	January 2014	Bi-Annually
Nitrate Vulnerable Zones Scottish Executive - Geographic Information Service	March 2014	Annually
Ramsar Sites Scottish Natural Heritage	May 2013	Bi-Annually
Sites of Special Scientific Interest Scottish Natural Heritage	May 2013	Bi-Annually
Special Areas of Conservation Scottish Natural Heritage	May 2013	Bi-Annually
Special Protection Areas Scottish Natural Heritage	May 2013	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	 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p>Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Scottish Environment Protection Agency - North Region Graesser House, Fodderty Way, Dingwall Business Park, Dingwall, Highland, IV15 9XB	Telephone: 01349 862021 Fax: 01349 863987
2	Scottish Environment Protection Agency - Head Office Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
3	Scottish Environment Protection Agency - East Region Clearwater House, Heriot Watt Research Park, Avenue North, Riccarton, Edinburgh, Midlothian, EH14 4AP	Telephone: 0131 449 7296 Fax: 0131 449 7277
4	Scottish Environment Protection Agency - North Region - Aberdeen Office Greyhope House, Greyhope Road, Torry, Aberdeen, Aberdeenshire, AB1 3RD	Telephone: 01224 248338 Fax: 01224 248591
5	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
6	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
7	Aberdeen City Council St Nicholas House, Broad Street, Aberdeen, AB10 1BW	Telephone: 01224 522000 Fax: 01224 636181 Website: www.aberdeencity.gov.uk
8	Scottish Executive - Geographic Information Service Area 1J88, Victoria Quay, Edinburgh, EH6 6QQ	Telephone: 0131 5568400 Fax: 0131 2448240 Email: ceu@scotland.gov.uk Website: www.scotland.gov.uk
9	Scottish Natural Heritage 12 Hope Terrace, Edinburgh, Midlothian, EH9 2AS	Telephone: 0131 447 4784 Fax: 0131 446 2279
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk








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

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip







Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	MFT	Mill Of Forest Till Formation	Diamicton	Devensian - Devensian
	DSG	Drumlithie Sand and Gravel Formation	Sand and Gravel	Devensian - Devensian
	LOSG	Lochton Sand and Gravel Formation	Sand, Gravel and Boulders	Devensian - Devensian
	LOSG	Lochton Sand and Gravel Formation	Sand and Gravel	Devensian - Devensian
	BDMO	Blairdaff Moraine Formation	DIAMICTON, SAND AND GRAVEL	Devensian - Devensian
	TSCl	Tullos Clay Member	Sand, Silt and Clay	Devensian - Devensian
	BATI	Banchory Till Formation	Diamicton	Devensian - Devensian
	LOSG	Lochton Sand and Gravel Formation	Gravel, Sand and Silt	Devensian - Devensian
	RTFD	Raised Tidal Flat Deposits	Clay, Silt and Sand	Quaternary - Quaternary
	MBD	Marine Beach Deposits	Gravel, Sand and Silt	Quaternary - Quaternary
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CSTD	Central Scotland Late Carboniferous Tholeiitic Dyke Swarm	Microgabbro and Basalt	Silesian - Silesian
	SDCAD	North Britain Siluro-Devonian Calc-Alkaline Dyke Suite	Felsite	Devonian - Silurian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SDCAD	North Britain Siluro-Devonian Calc-Alkaline Dyke Suite	Pyroclastic-breccia	Devonian - Silurian
	NEGRA	North-East Grampian Granitic Suite (Ordovician)	Granite, Pegmatite	Ordovician - Ordovician
	NEGRA	North-East Grampian Granitic Suite (Ordovician)	Tonalite	Ordovician - Ordovician
	ABDN	Aberdeen Formation	Semipelite and Psammite	Neoproterozoic - Neoproterozoic
	ABDN	Aberdeen Formation	Psammite and Semipelite	Neoproterozoic - Neoproterozoic
	UMIGP	Unnamed Metamorphosed Igneous Rocks, Pre-Caledonian to Caledonian	Amphibolite and Hornblende Schist	Silurian - Archaean



Geology 1:50,000 Maps

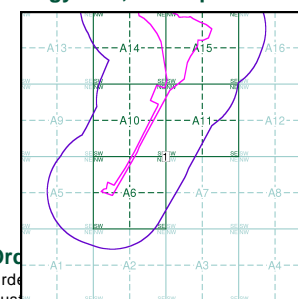
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	077
Map Name:	Aberdeen
Map Date:	2004
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



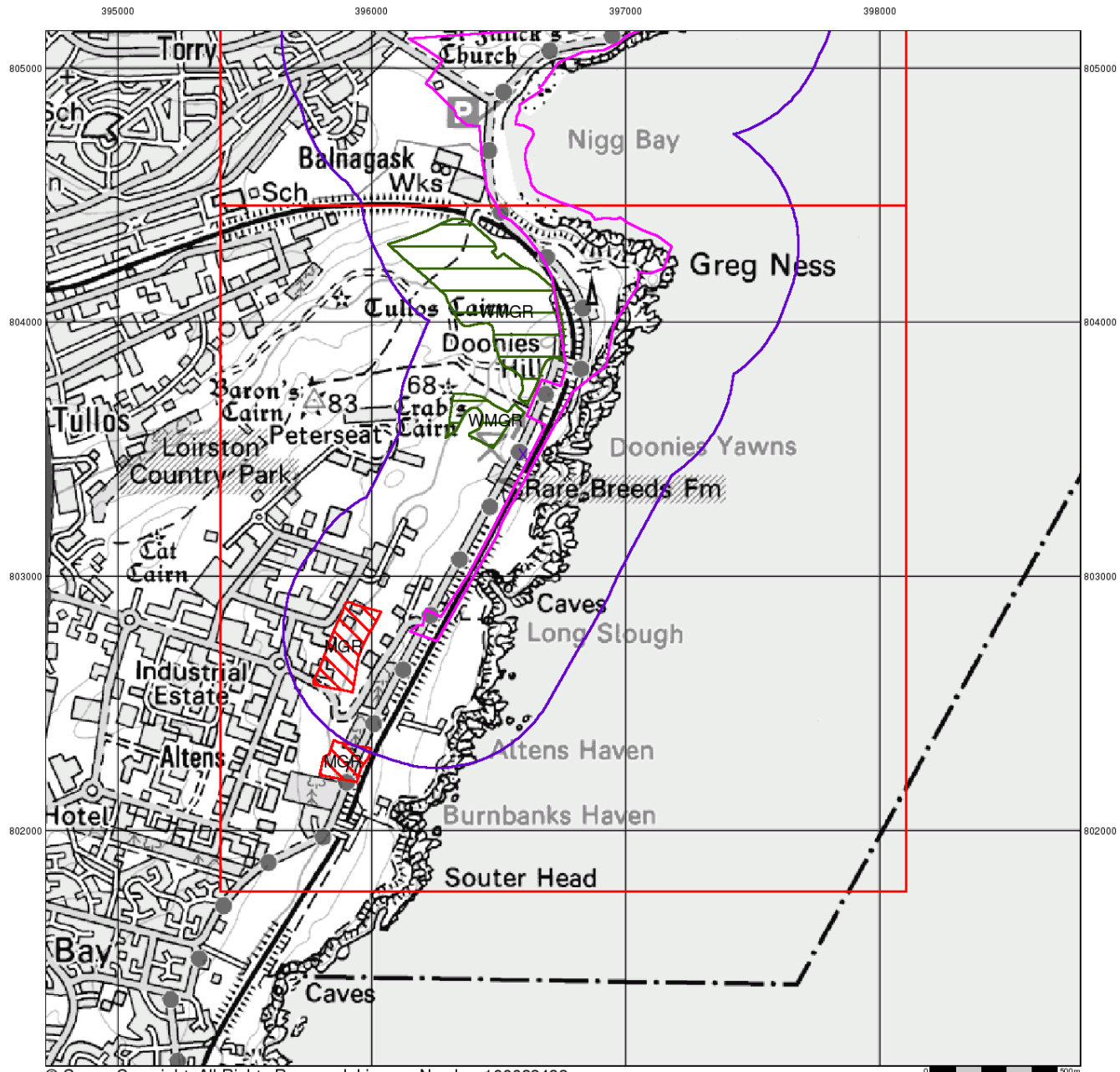
Ordovician
 Ordovician
 Customer Reference: ESD1121100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details:

Site at, Nigg Bay, Aberdeen City



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



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Artificial Ground and Landslip

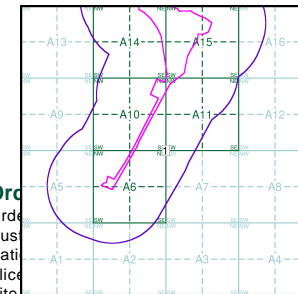
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- In-filled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



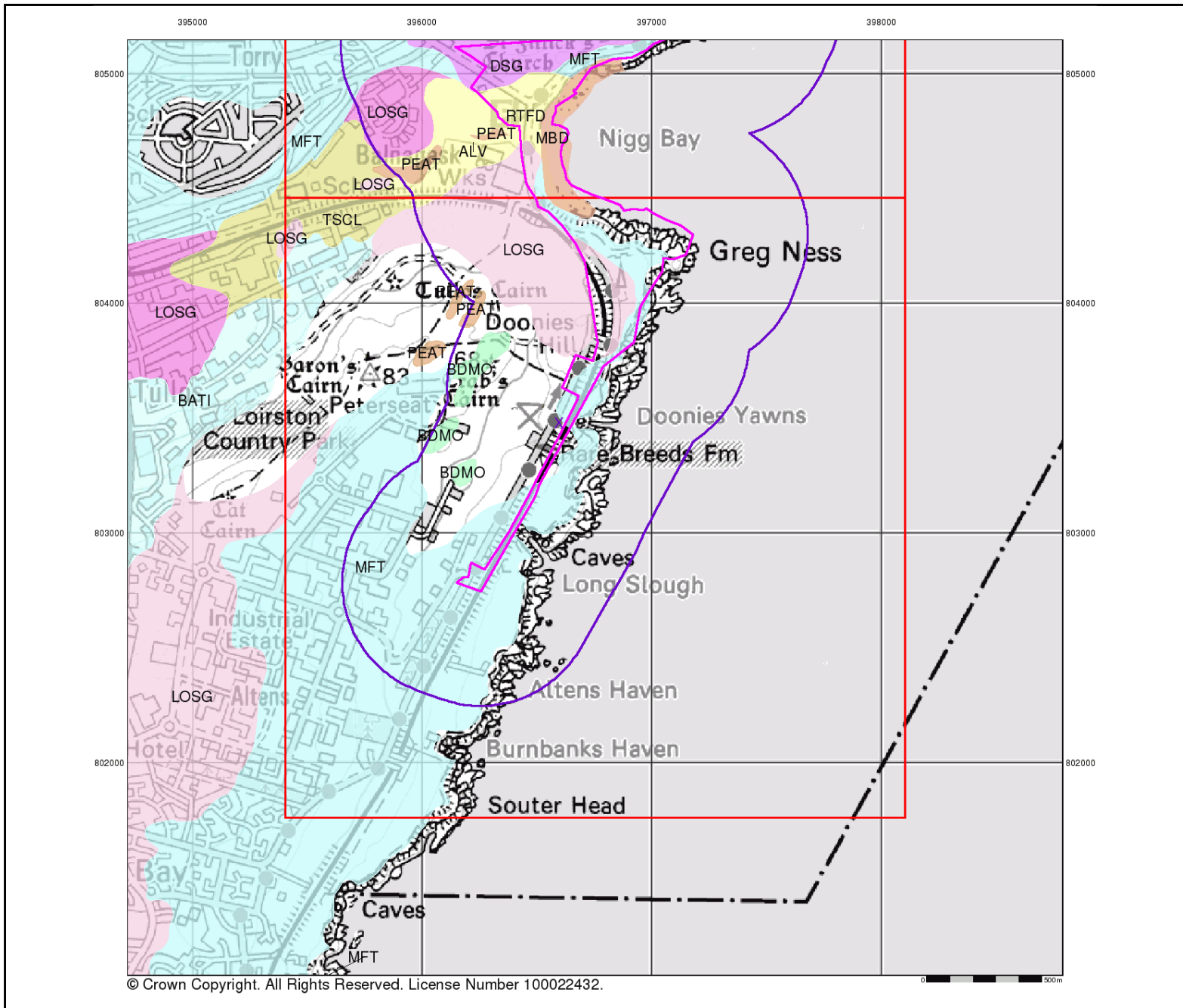
Search Buffer (m): 500

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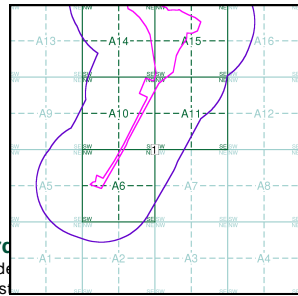
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

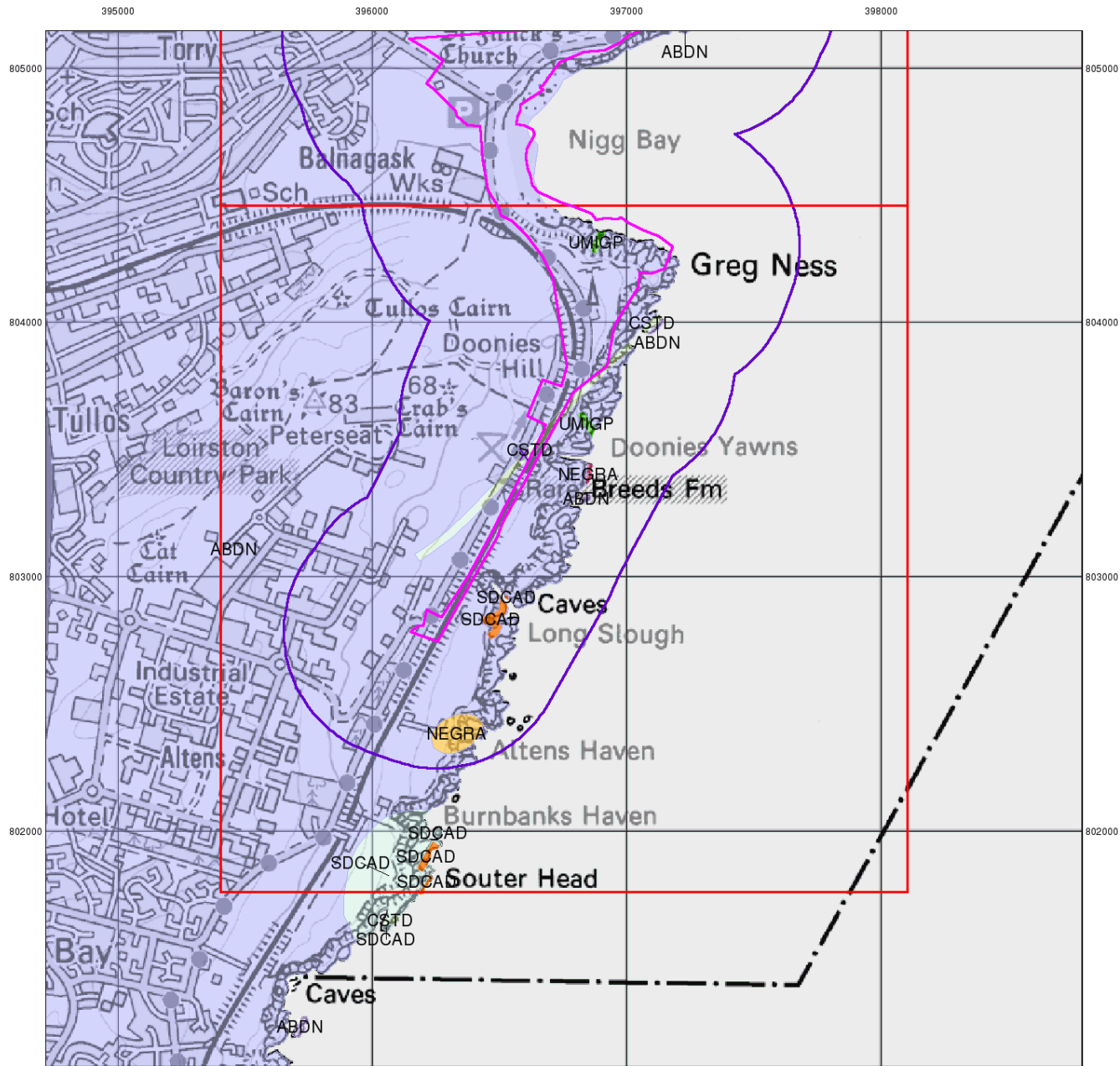
Superficial Geology Map - Slice A



Order:
Order:
Customer:
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 500

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Web: www.envirocheck.co.uk



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Bedrock and Faults

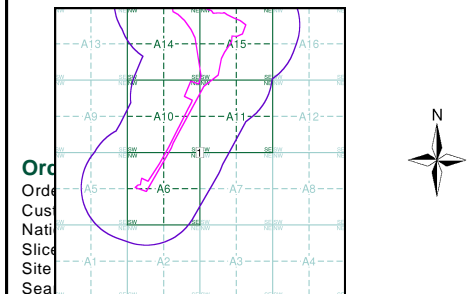
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A

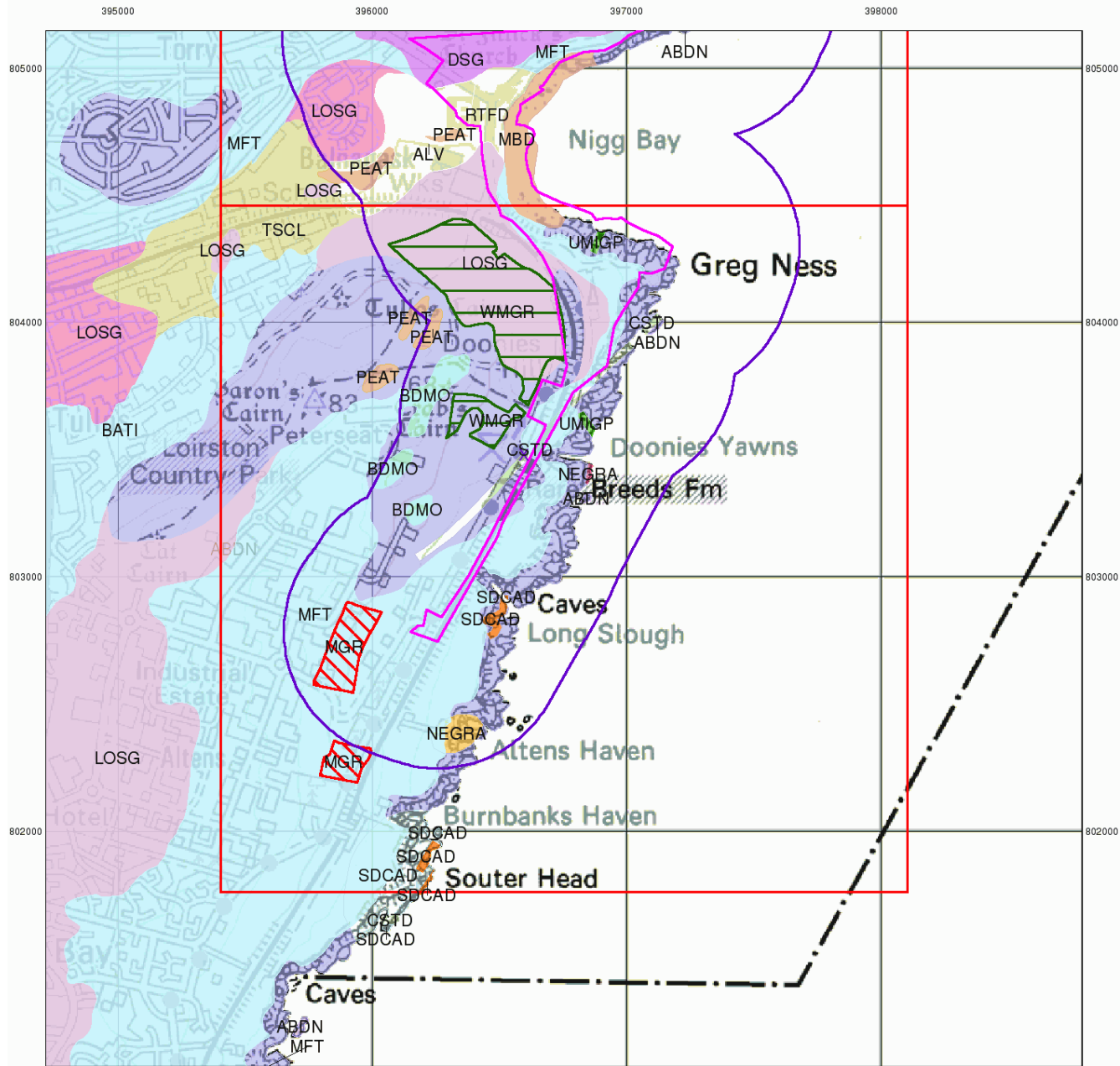


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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

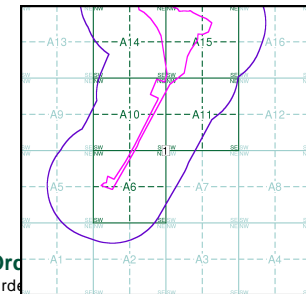
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
 Kingsley Dunham Centre
 Keyworth
 Nottingham
 NG12 5GG
 Telephone: 0115 936 3143
 Fax: 0115 936 3276
 email: enquiries@bgs.ac.uk
 website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order

Customer Reference: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details:

Site at, Nigg Bay, Aberdeen City



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 Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	-285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Bracken
	Heath		Rough Grassland
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		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

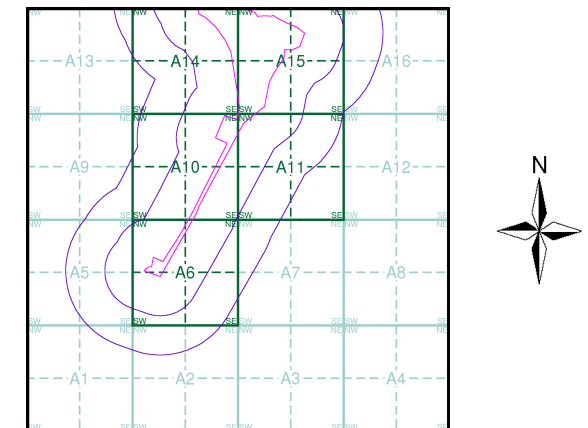
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
Kincardineshire	1:10,560	1868	3
Aberdeenshire	1:10,560	1869	4
Aberdeenshire	1:10,560	1902 - 1904	5
Aberdeenshire	1:10,560	1928	6
Aberdeenshire	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1944	8
Historical Aerial Photography	1:10,560	1944	9
Ordnance Survey Plan	1:10,000	1959	10
Ordnance Survey Plan	1:10,000	1967	11
Ordnance Survey Plan	1:10,000	1967	12
Ordnance Survey Plan	1:10,000	1974	13
Aberdeen	1:10,000	1981	14
Ordnance Survey Plan	1:10,000	1982	15
Ordnance Survey Plan	1:10,000	1989	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2014	18

Historical Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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 Web: www.envirocheck.co.uk

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

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

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

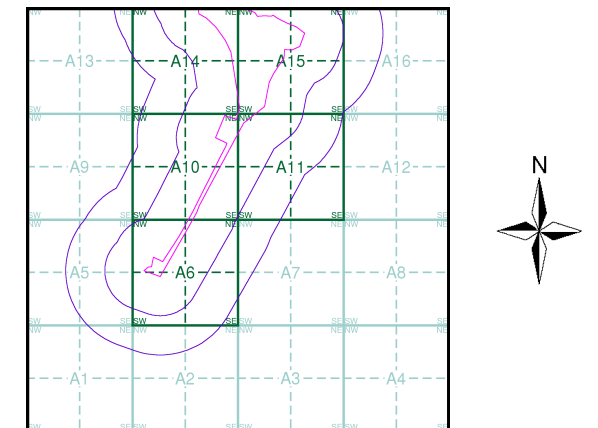
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kincardineshire	1:10,560	1868	3
Aberdeenshire	1:10,560	1869	4
Aberdeenshire	1:10,560	1902 - 1904	5
Aberdeenshire	1:10,560	1928	6
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10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2014	18

Russian Map - Slice A



Order Details

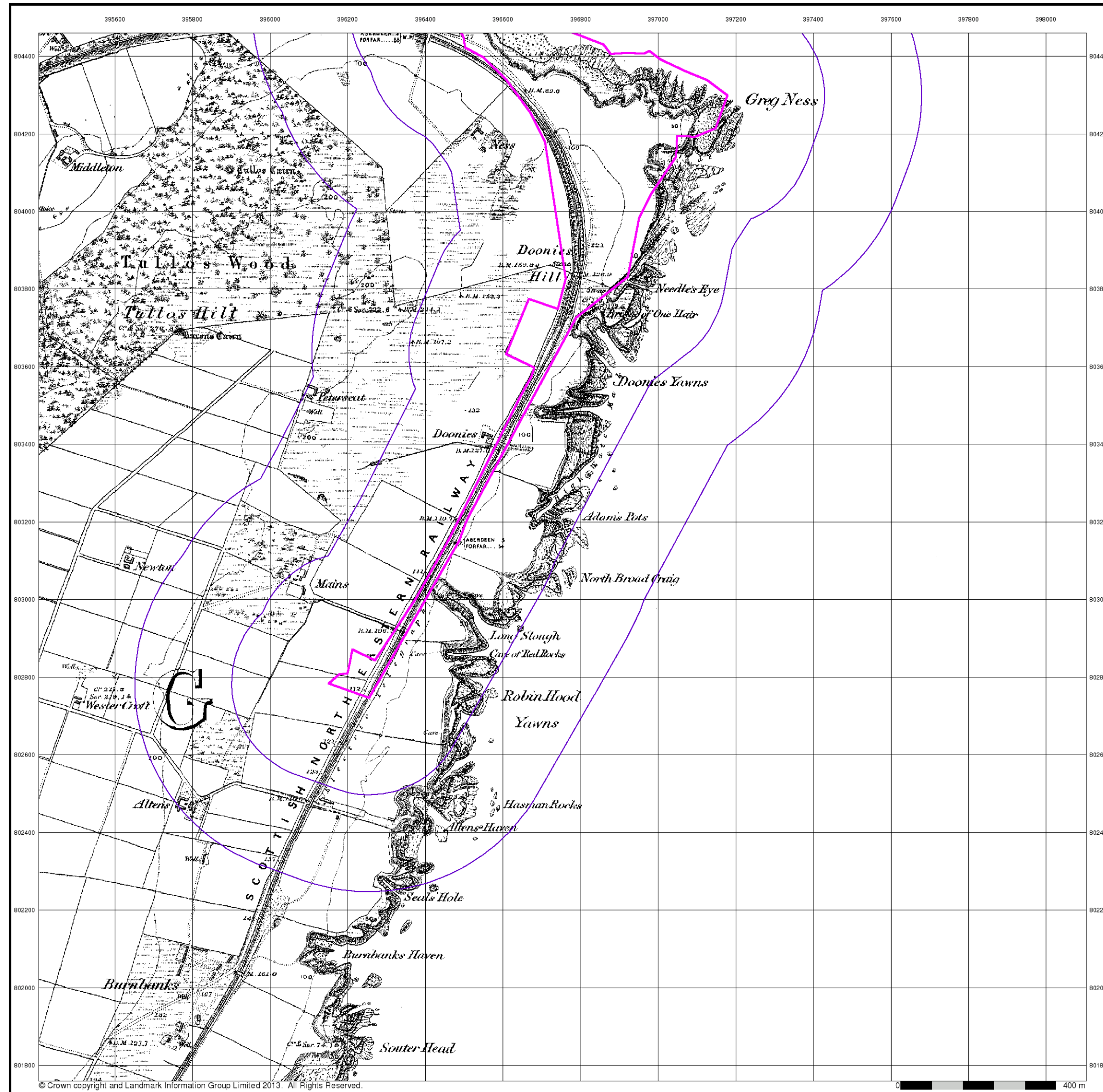
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

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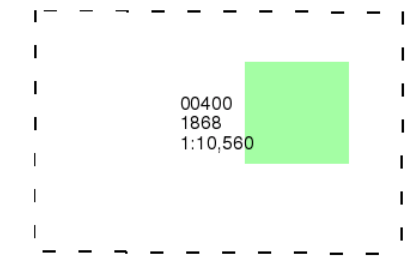
Kincardineshire

Published 1868

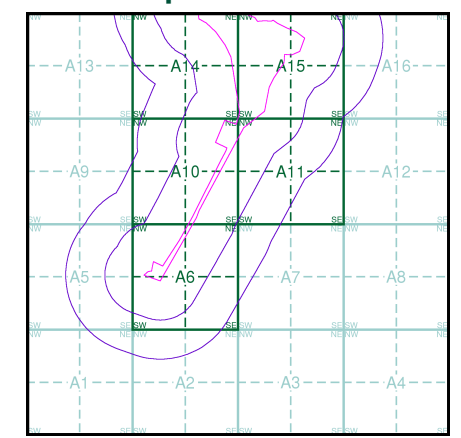
Source map scale - 1:10,560

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

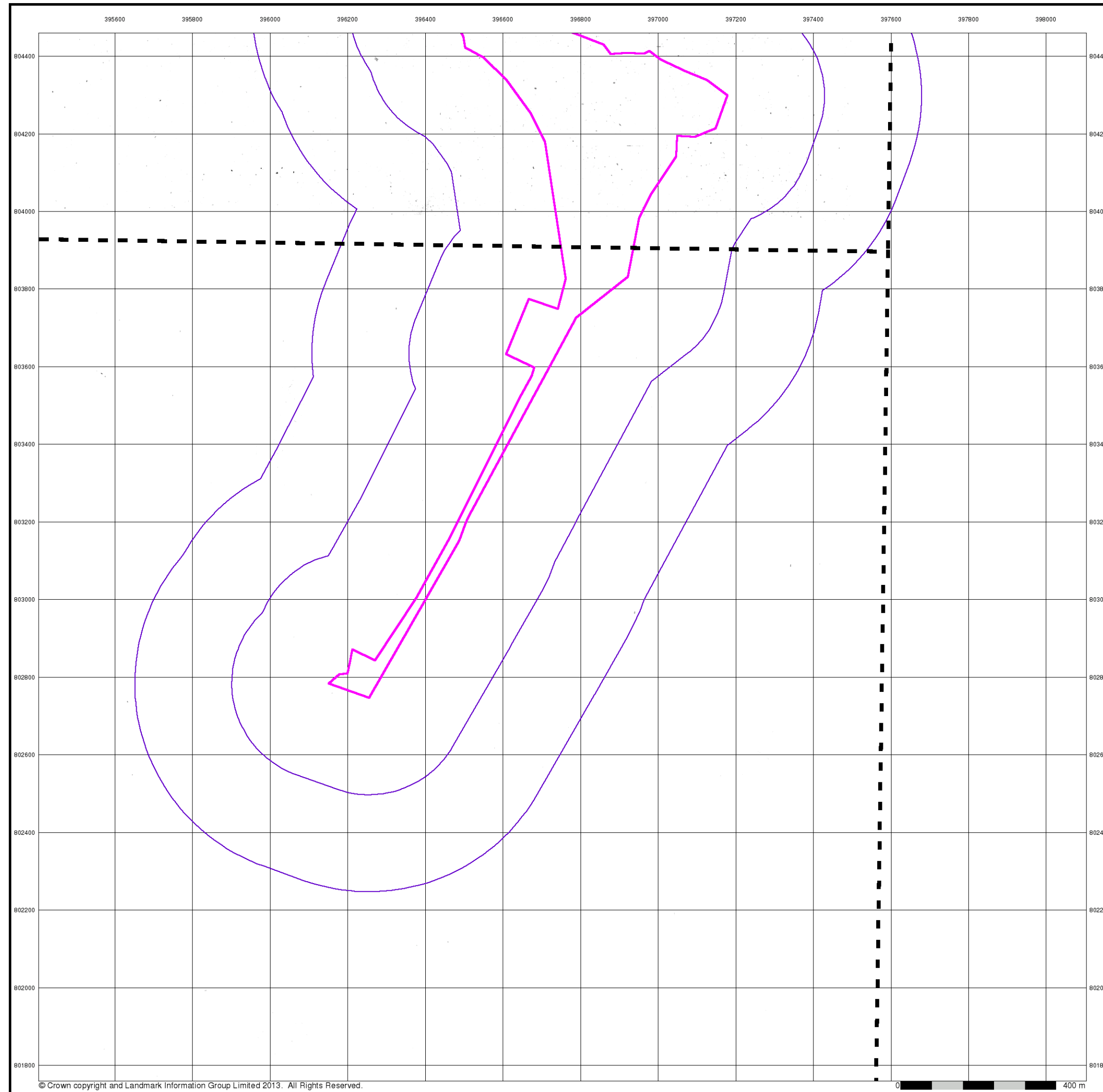
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 Search Buffer (m): 500

Site Details

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Aberdeenshire

Published 1869

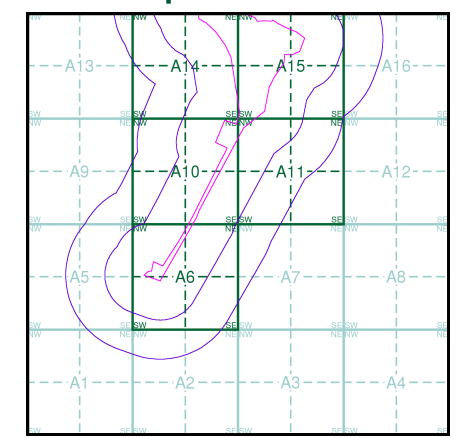
Source map scale - 1:10,560

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)

07500	1869	1:10,560
08600	1869	1:10,560

Historical Map - Slice A



Order Details

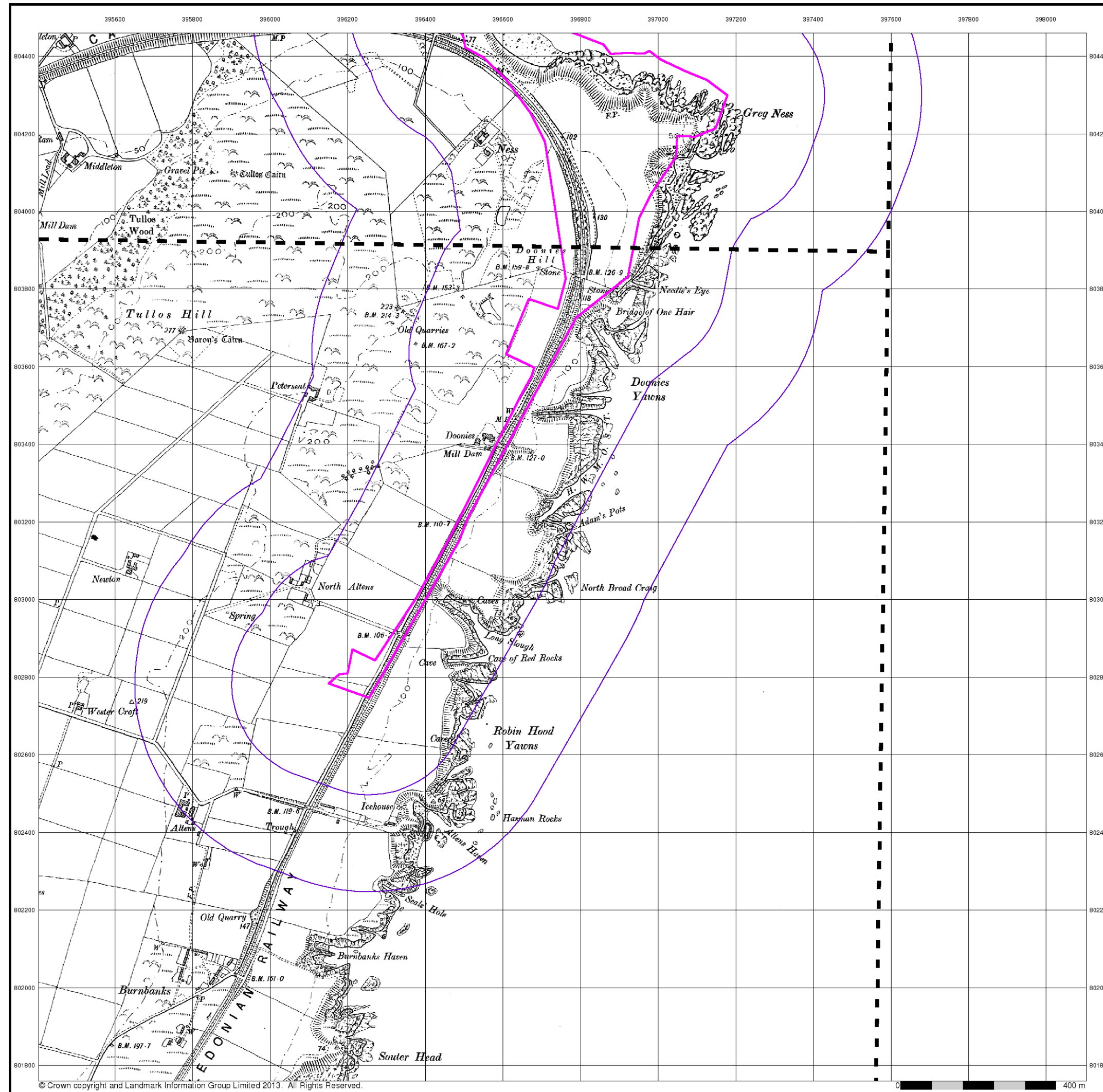
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 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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Aberdeenshire

Published 1902 - 1904

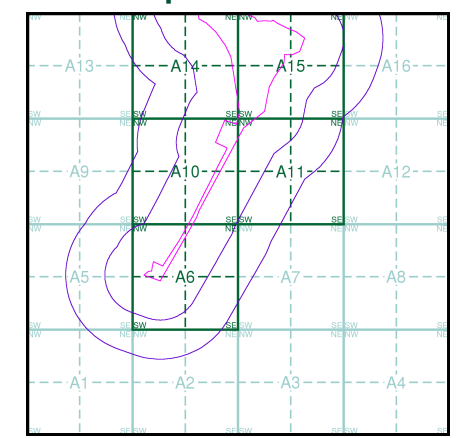
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

075SE	1902	1:10,560
086NE	1904	1:10,560

Historical Map - Slice A



Order Details

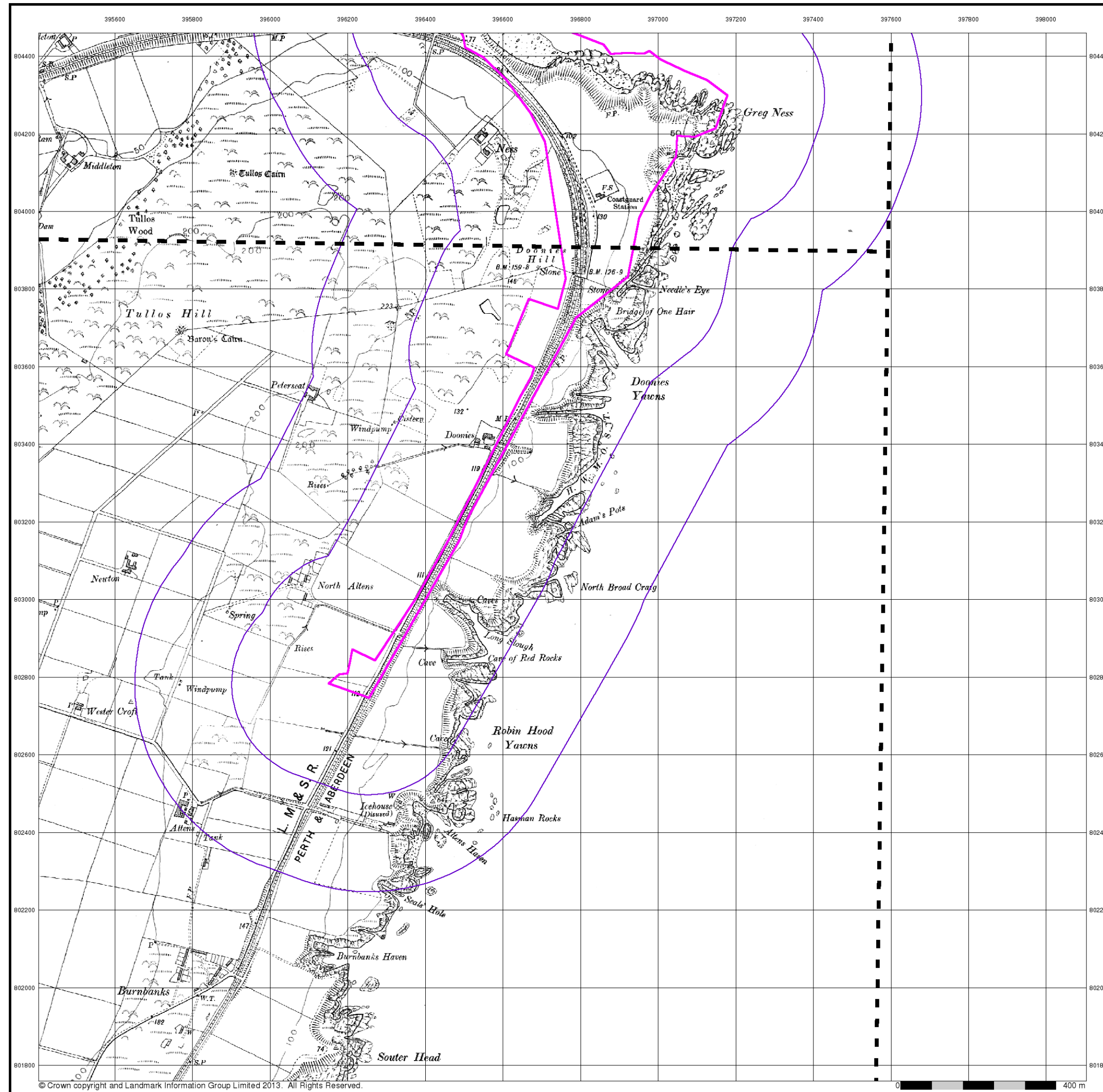
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 Site Area (Ha): 63.21
 Search Buffer (m): 500

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Aberdeenshire

Published 1928

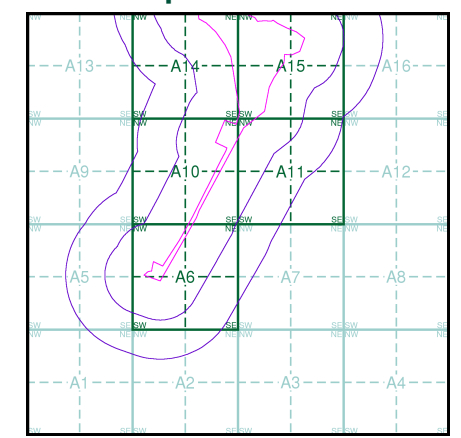
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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)

075SE	1928	1:10,560
086NE	1928	1:10,560

Historical Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
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Site Details

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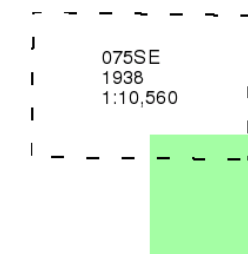
Aberdeenshire

Published 1938

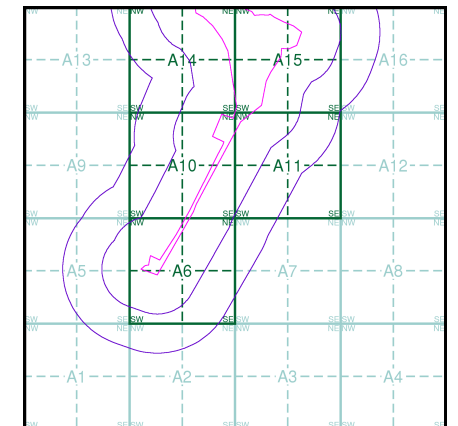
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

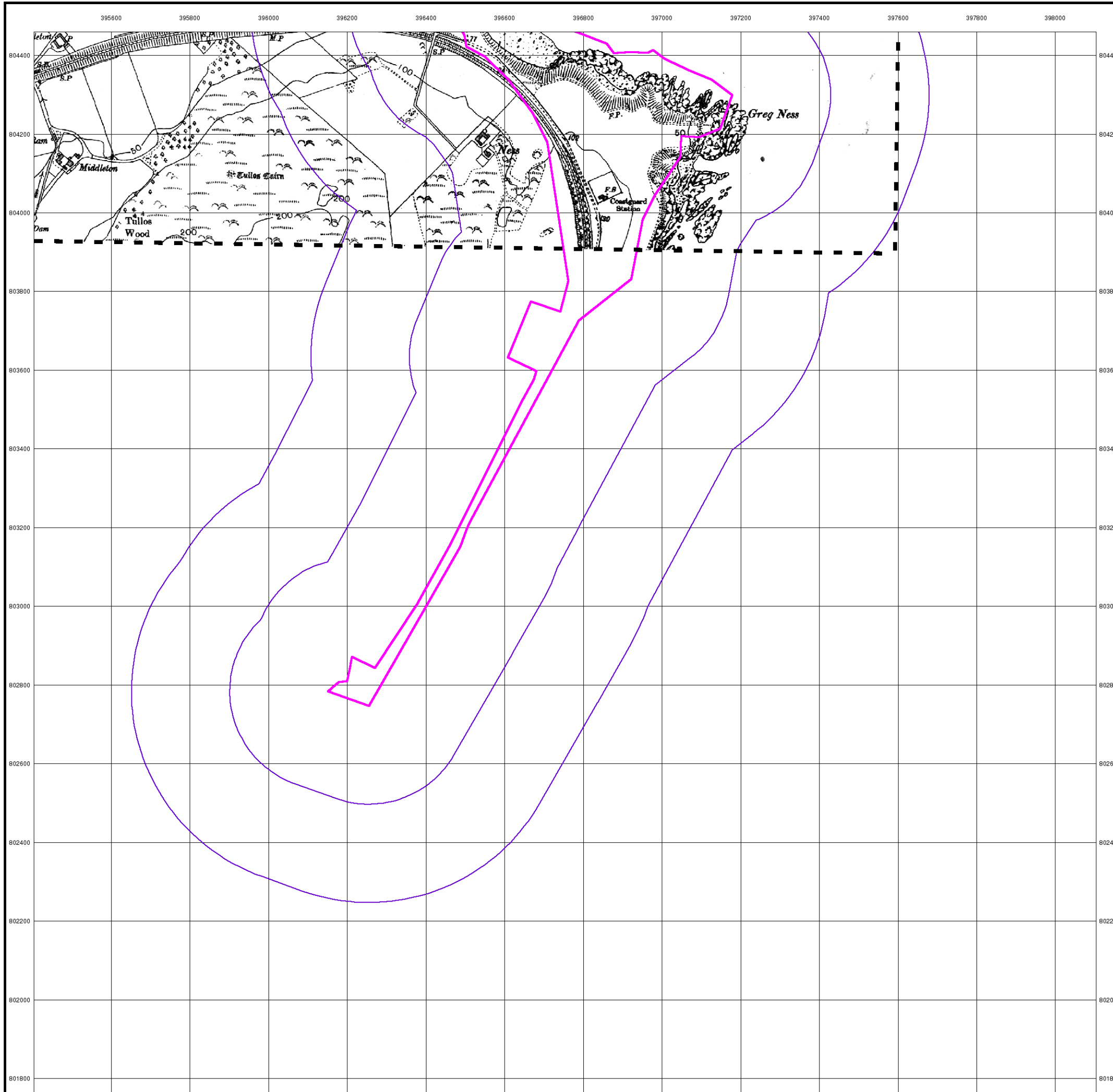
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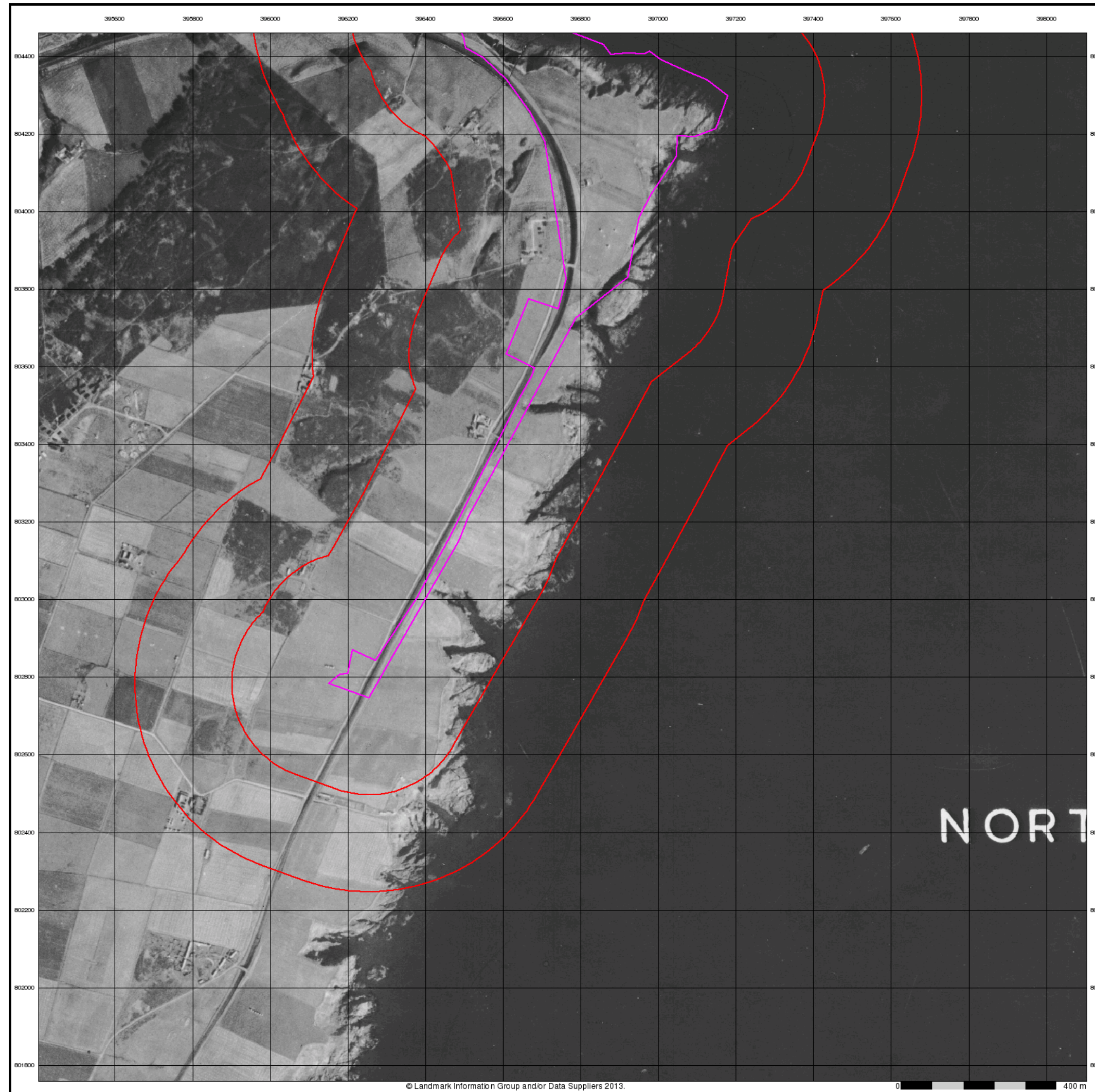
Site Details

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Historical Aerial Photography

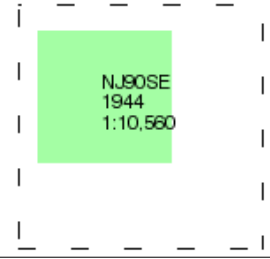
Published 1944

Source map scale - 1:10,560

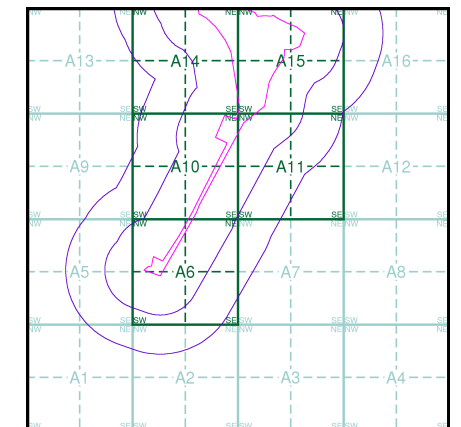
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



Order Details

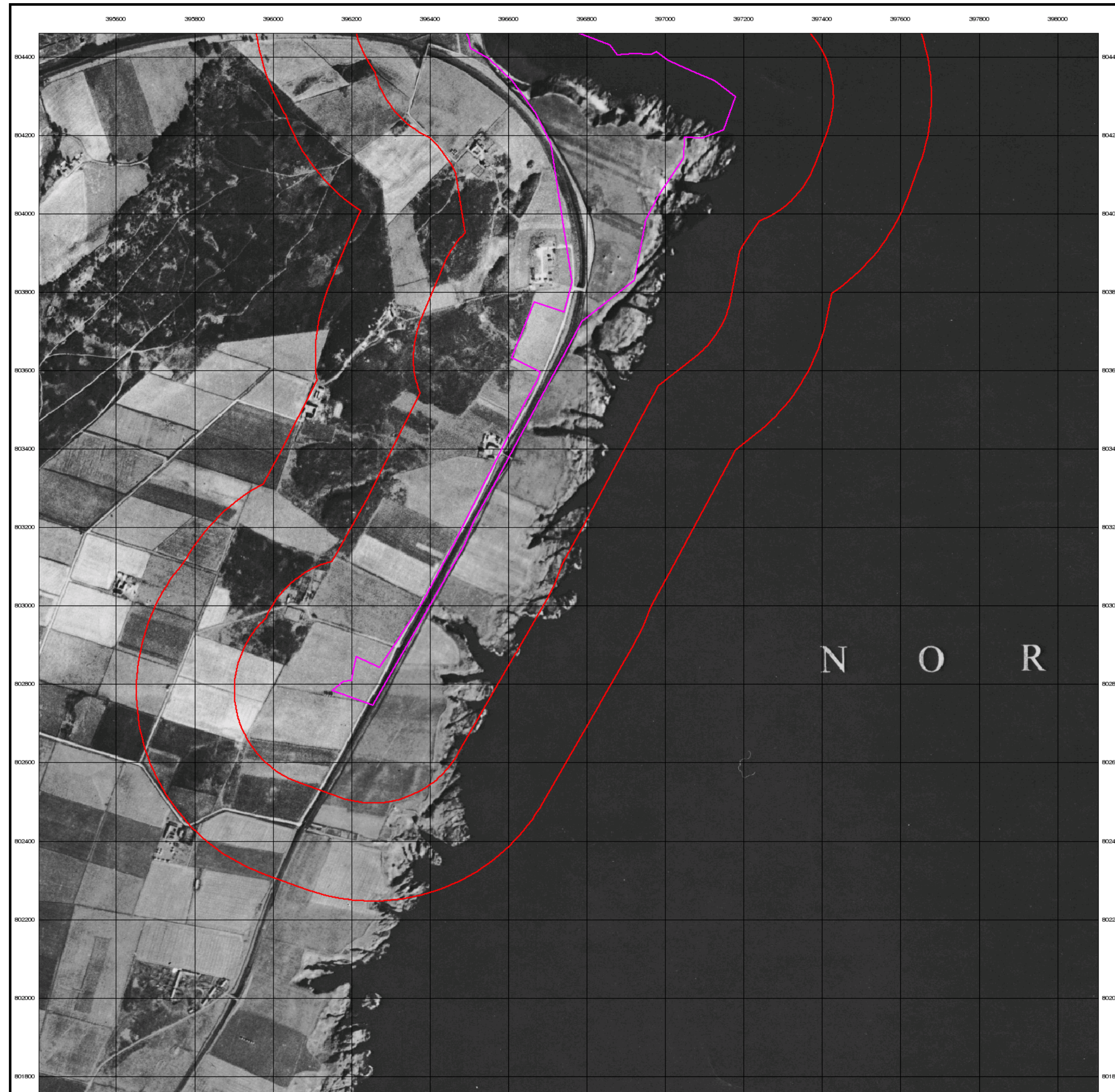
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Historical Aerial Photography

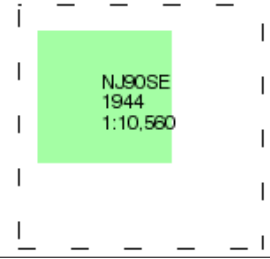
Published 1944

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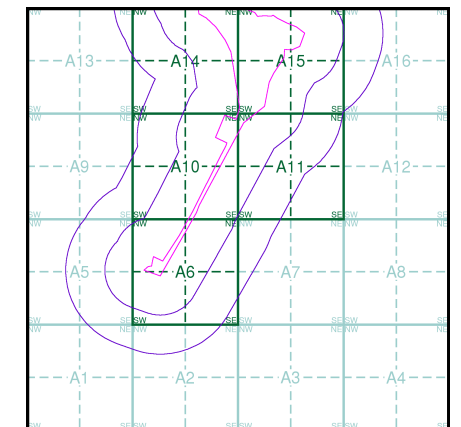
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



Order Details

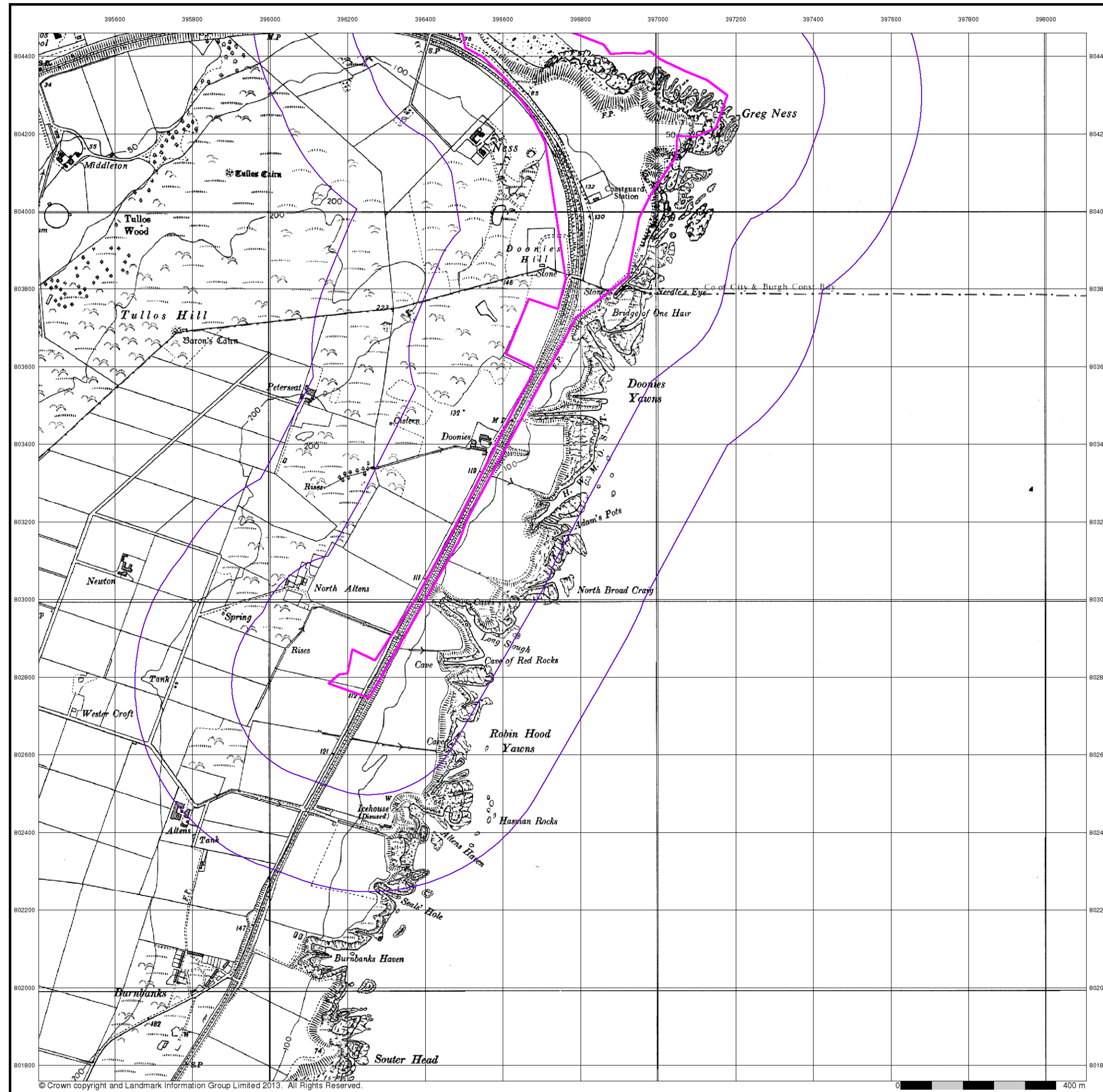
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Site Details

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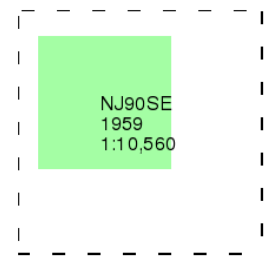
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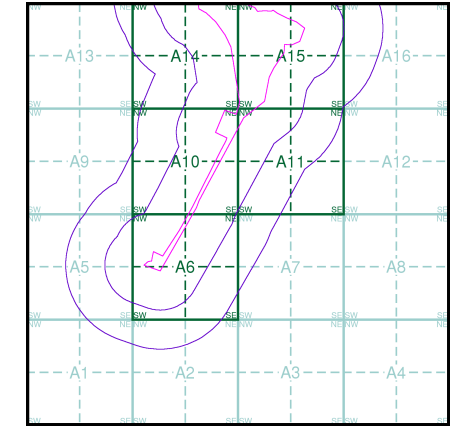
Ordnance Survey Plan
Published 1959
Source map scale - 1:10,000

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)



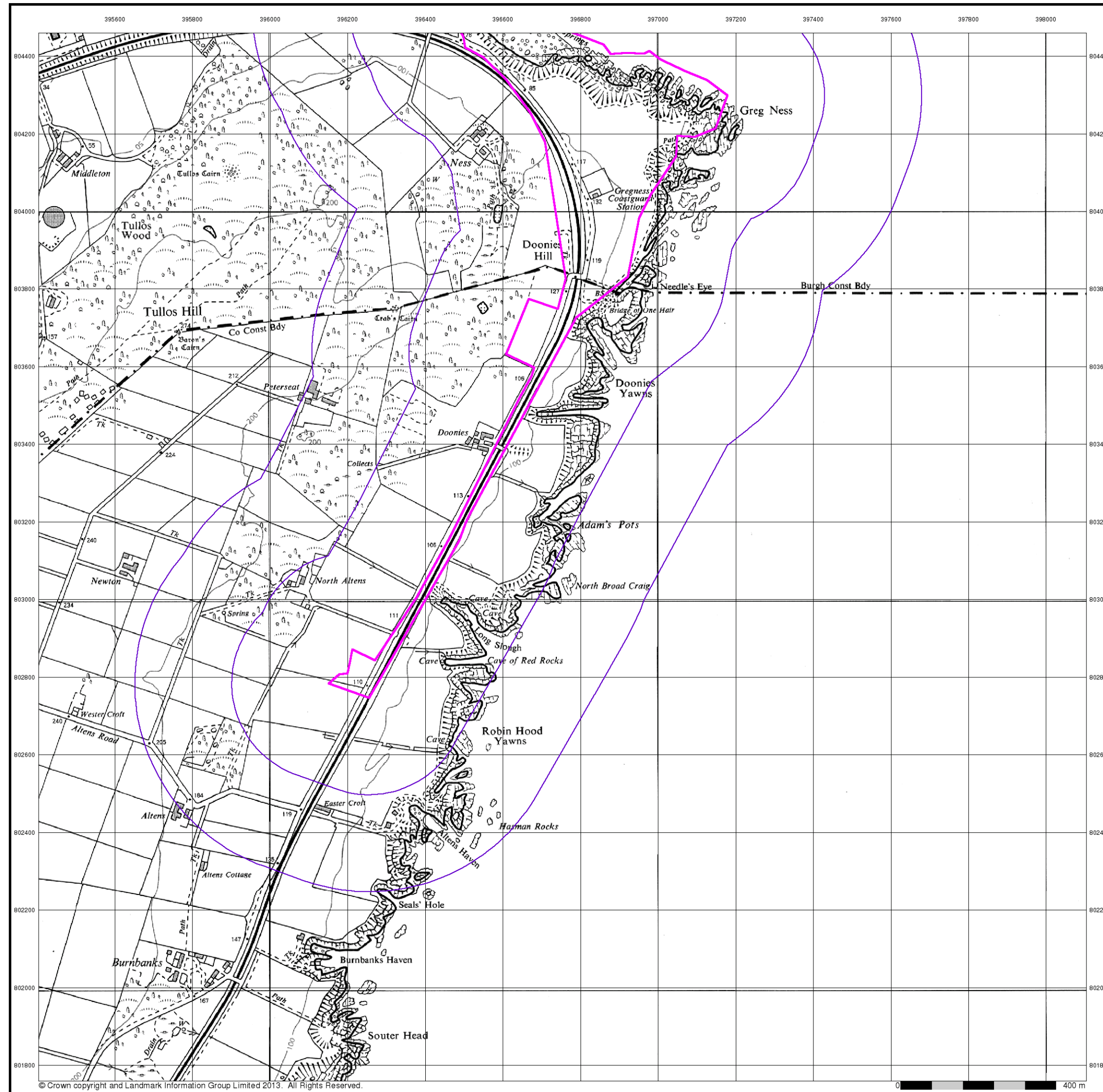
Historical Map - Slice A



Order Details
 Order Number: 55426788_1_1
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 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details
 Site at, Nigg Bay, Aberdeen City

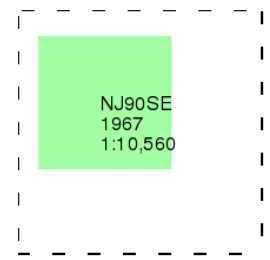
Landmark Information Group
 Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



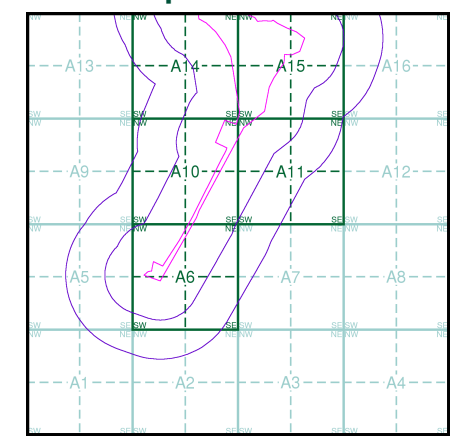
Ordnance Survey Plan
Published 1967
Source map scale - 1:10,000

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

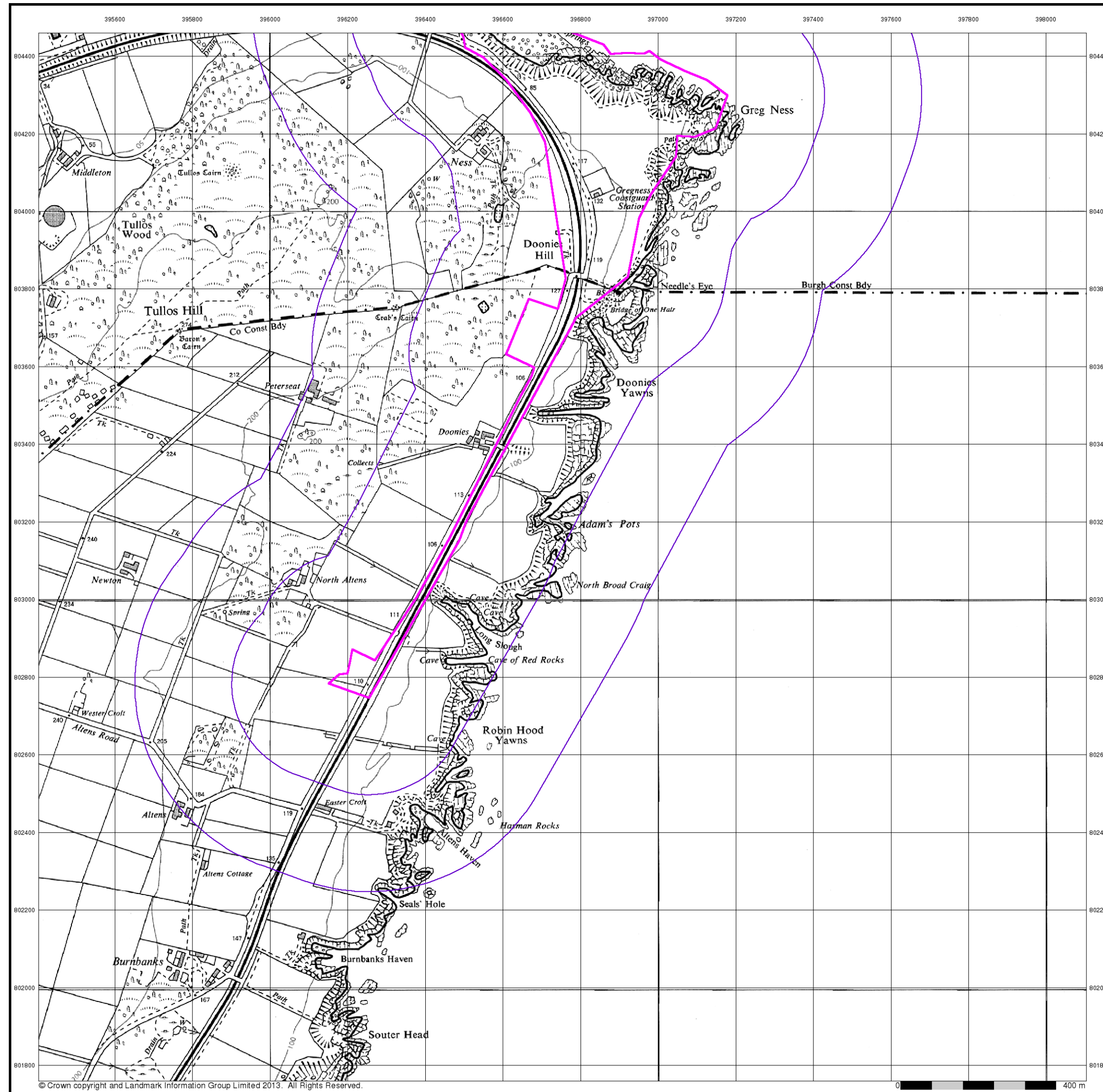
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Site Details

Site at, Nigg Bay, Aberdeen City



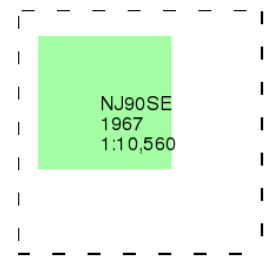
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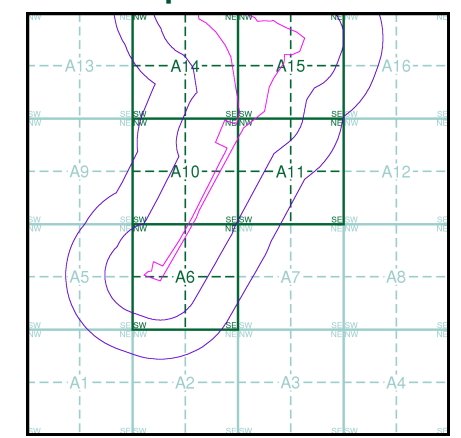
Ordnance Survey Plan
Published 1967
Source map scale - 1:10,000

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

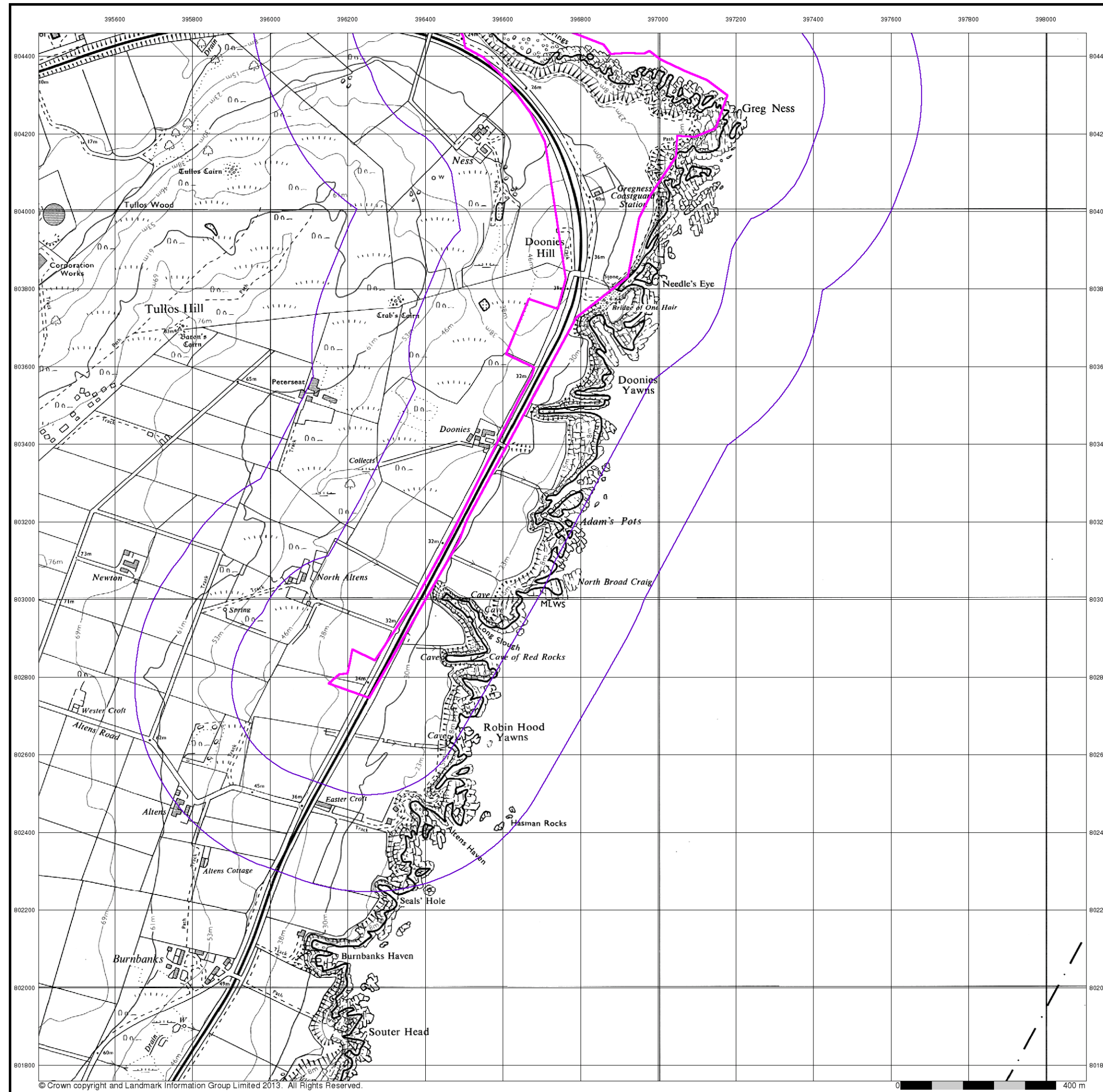
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Site Details

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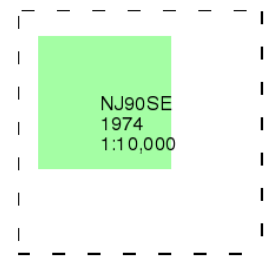
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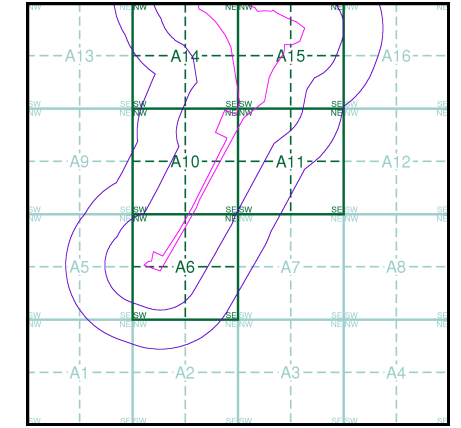
Ordnance Survey Plan
Published 1974
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
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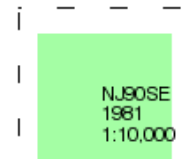
Aberdeen

Published 1981

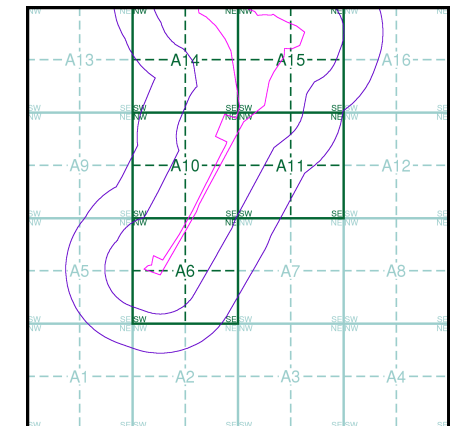
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

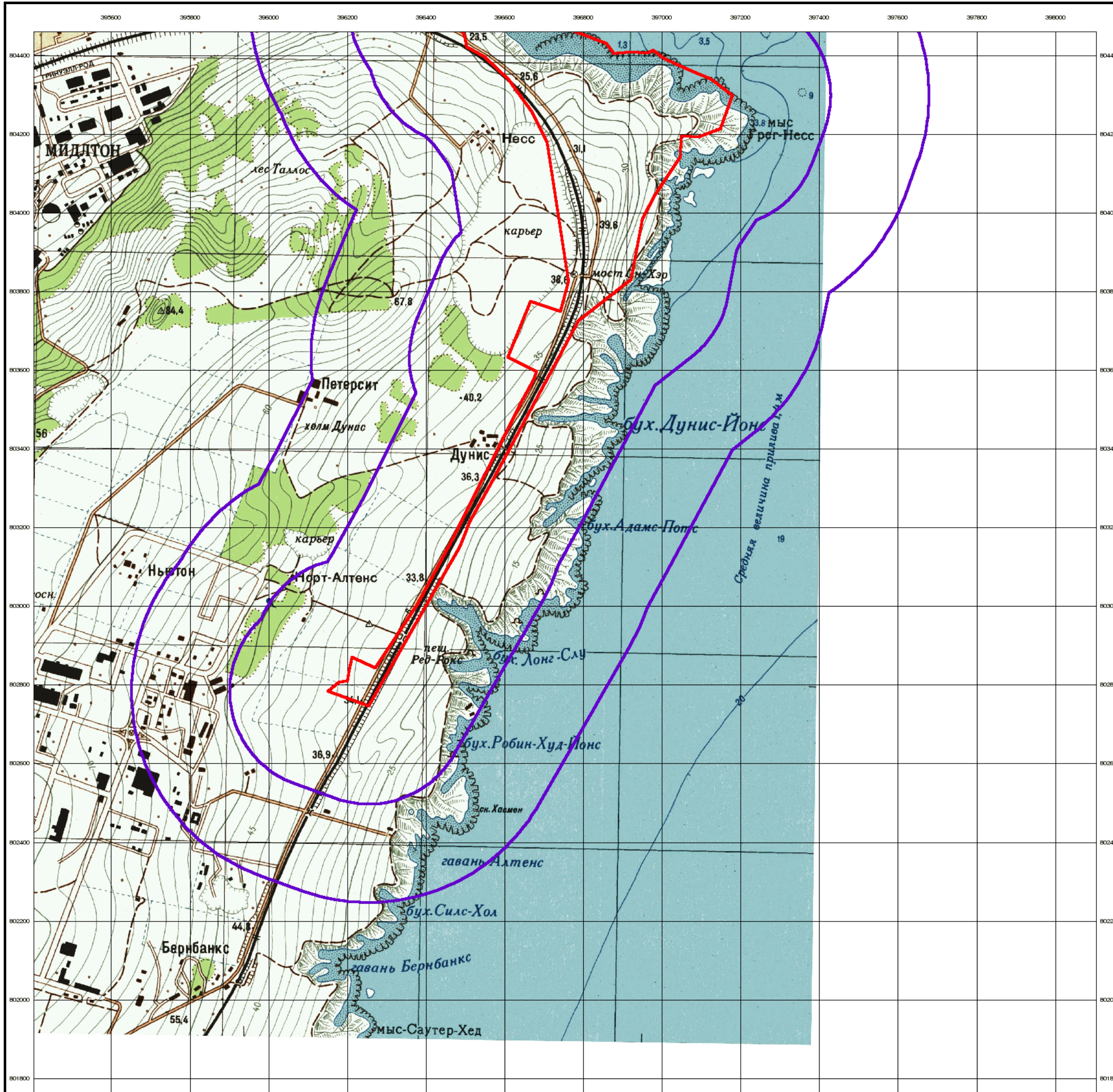
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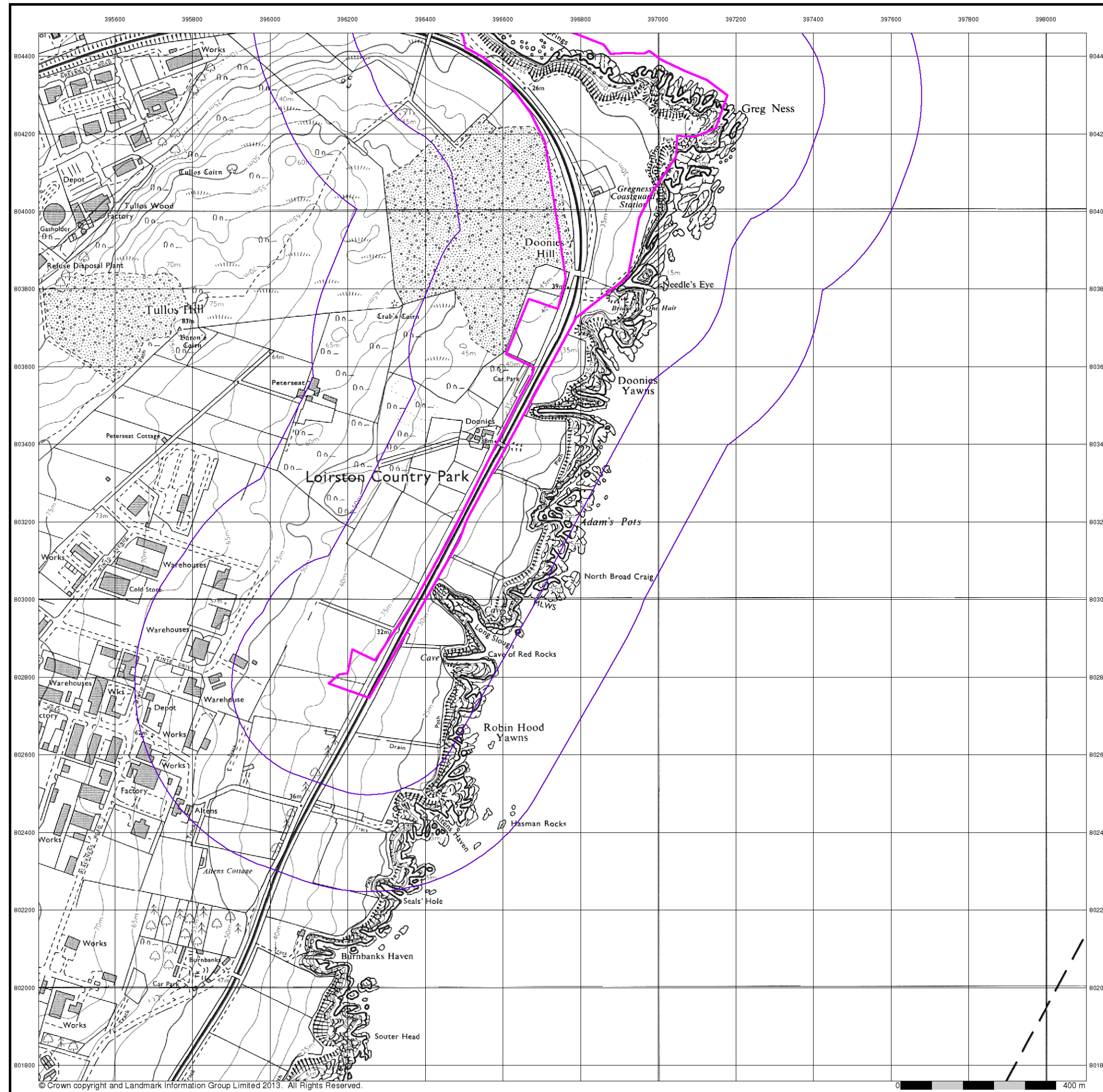
Site Details

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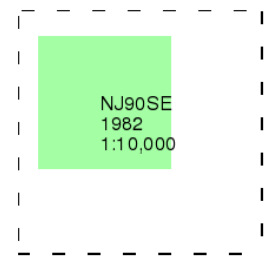




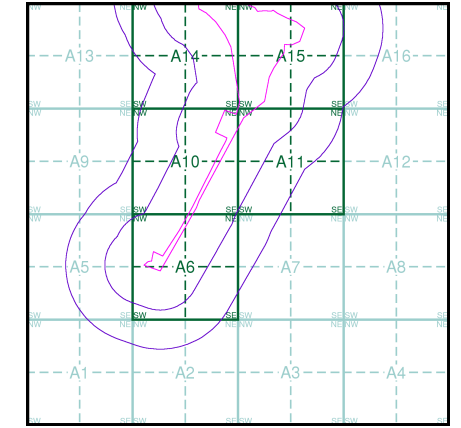
Ordnance Survey Plan
Published 1982
Source map scale - 1:10,000

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

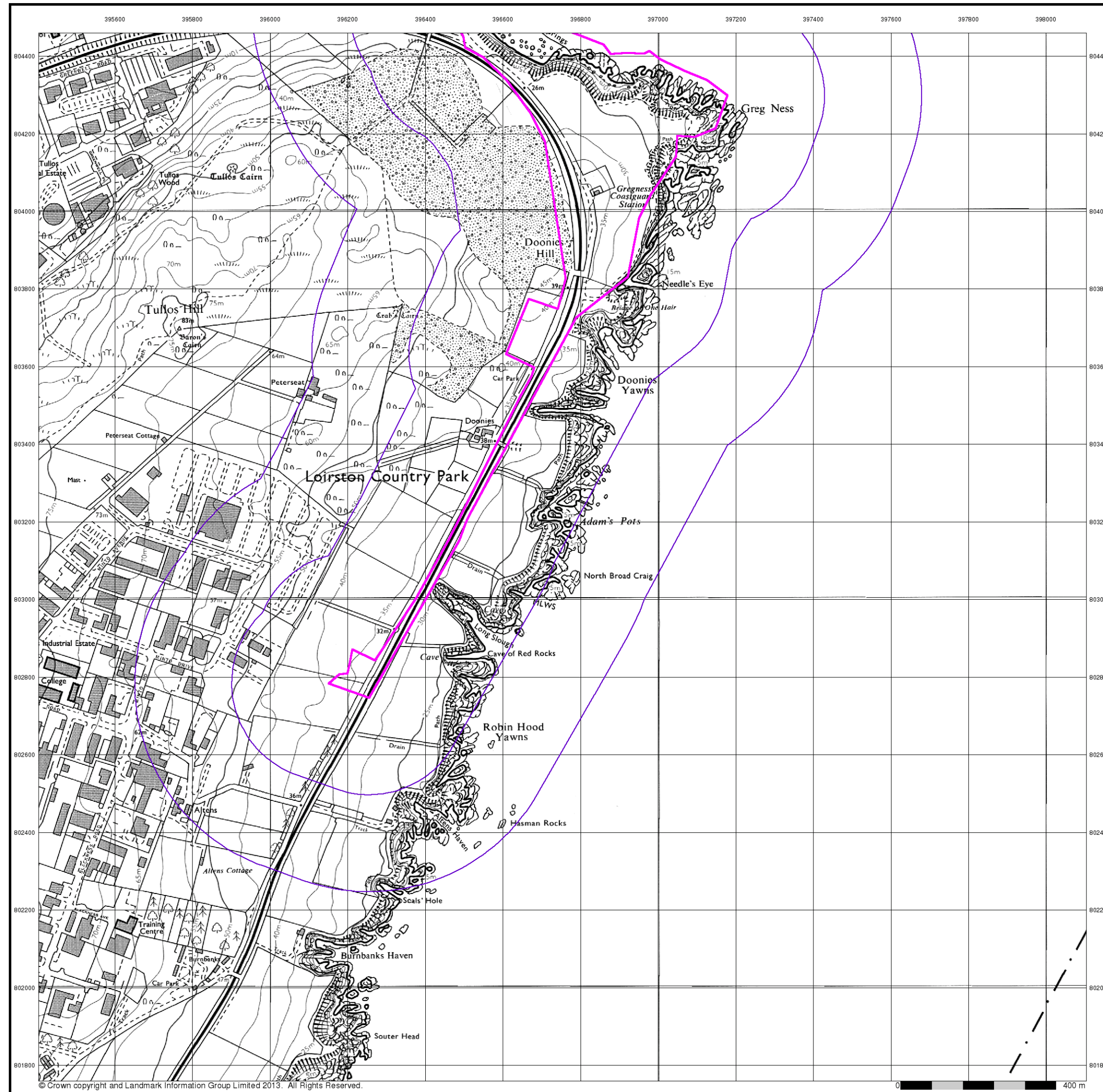


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Site Details
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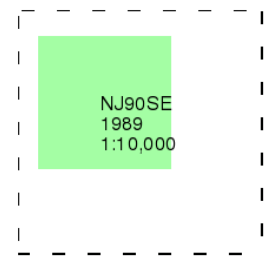
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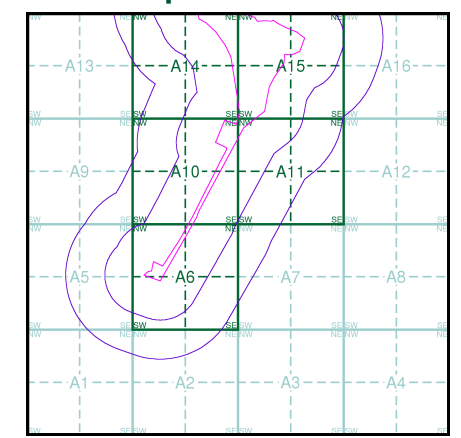
Ordnance Survey Plan
Published 1989
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

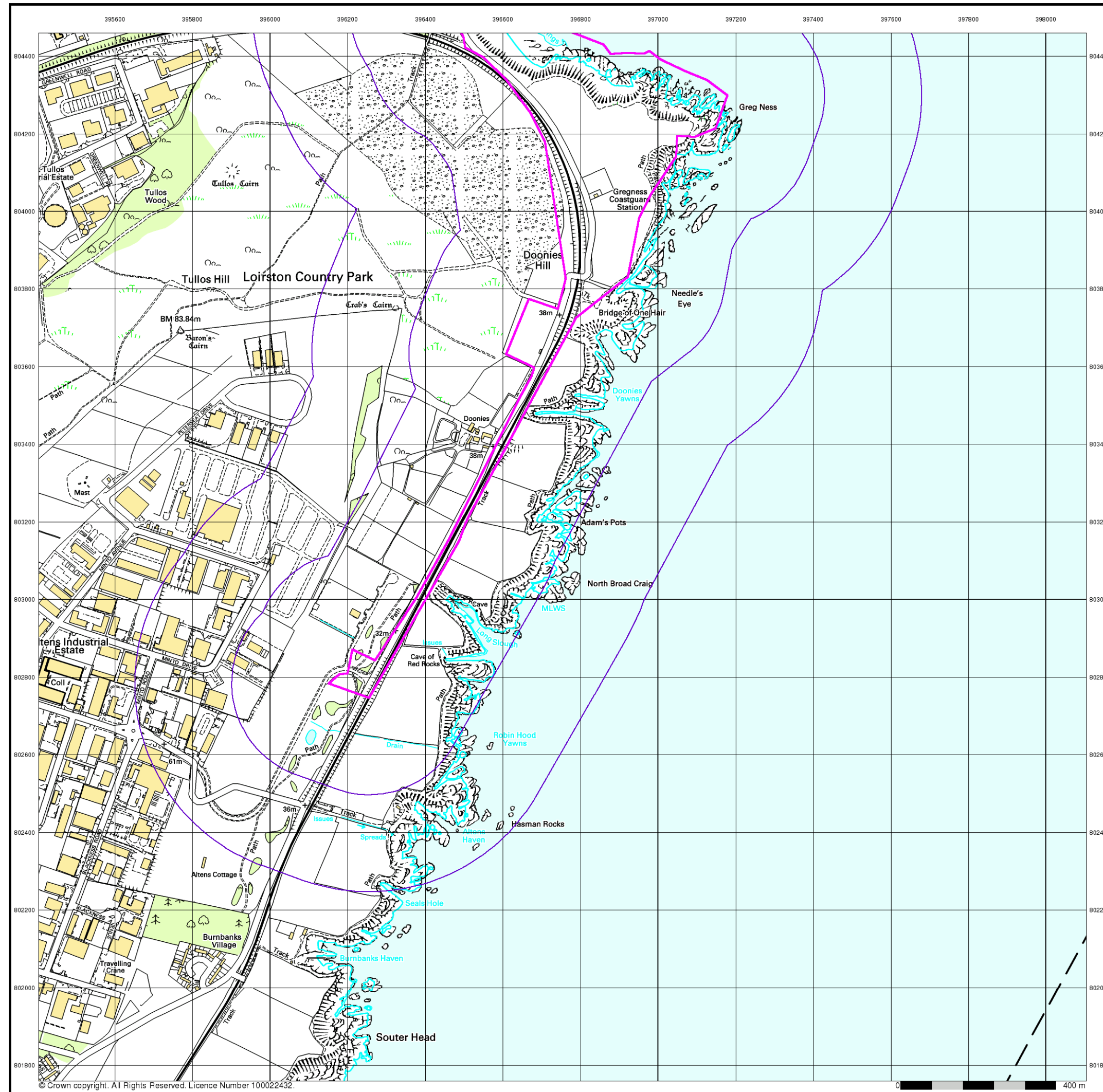
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Site Details

Site at, Nigg Bay, Aberdeen City



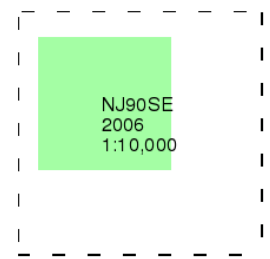
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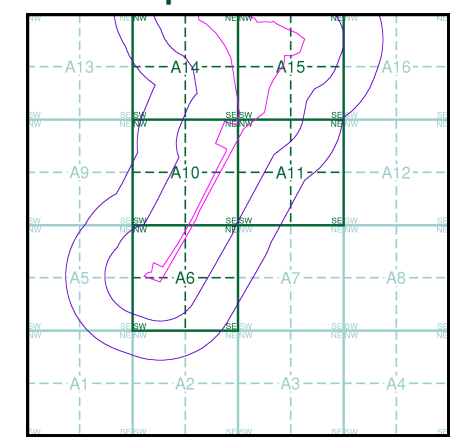
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

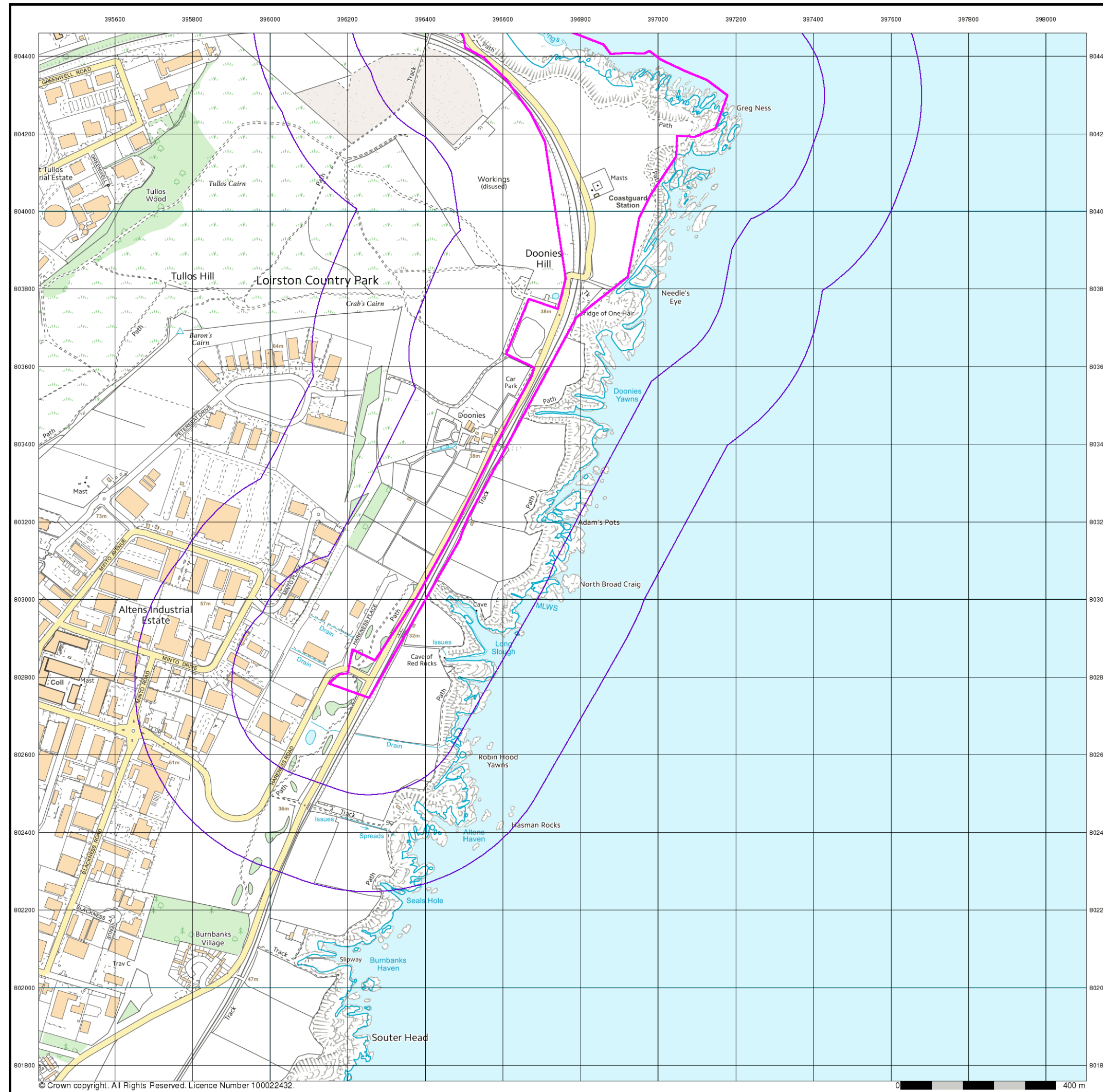
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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



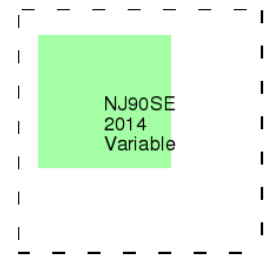
VectorMap Local

Published 2014

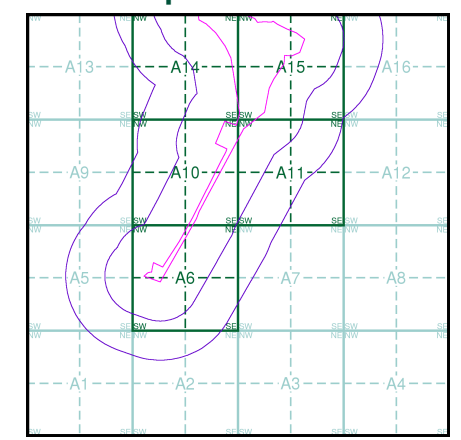
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

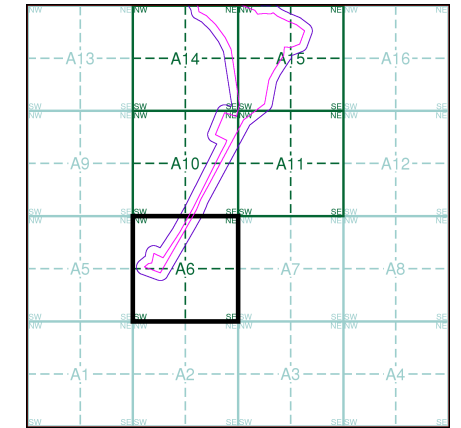
Site at, Nigg Bay, Aberdeen City



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

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Segment A6



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21

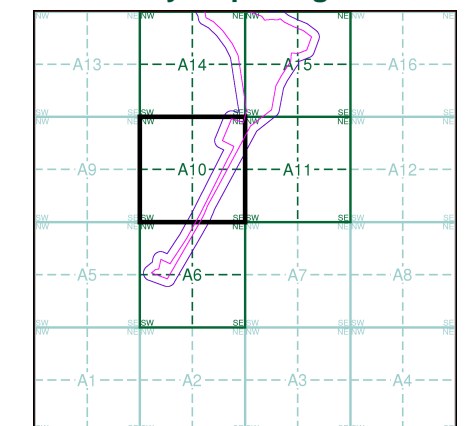
Site Details
 Site at, Nigg Bay, Aberdeen City



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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 and Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
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 - Prosecution Relating to Authorised Processes
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 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Registered Landfill Site
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 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Segment A10

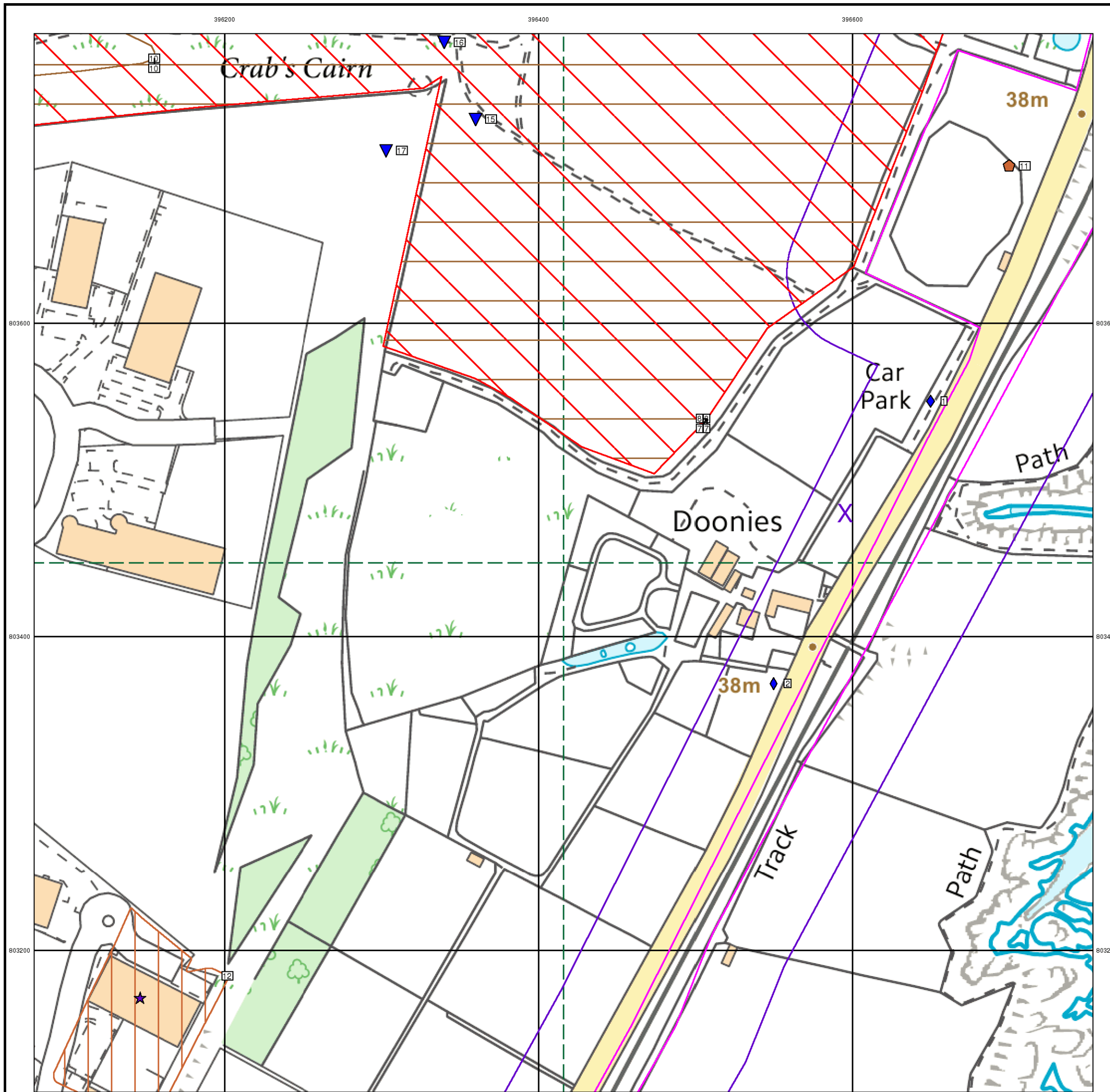


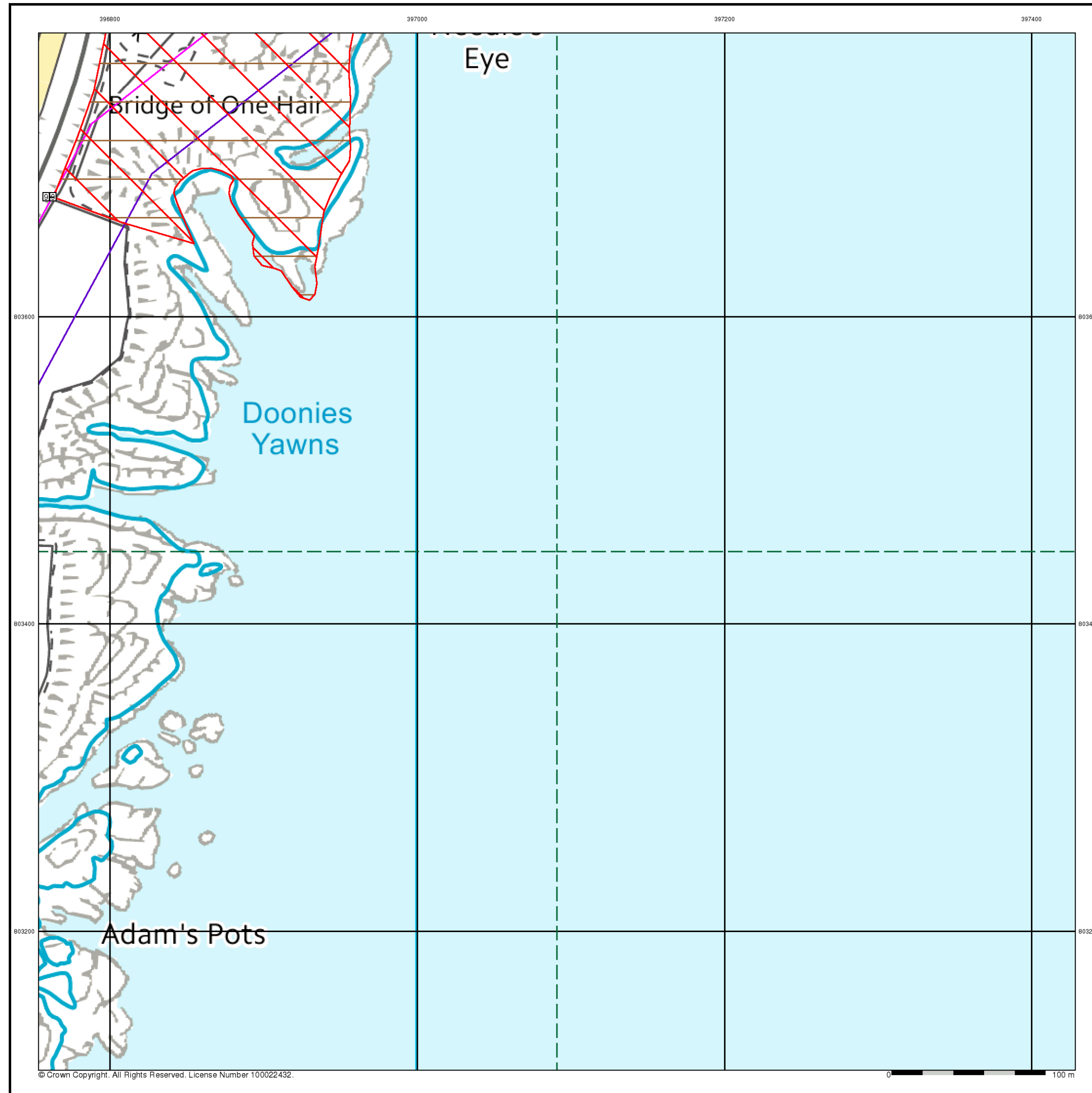
Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21

Site Details

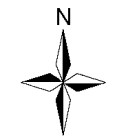
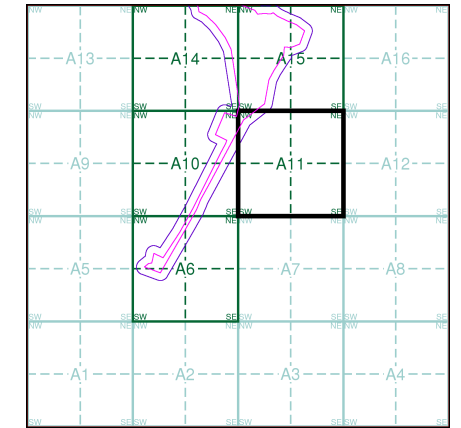
Site at, Nigg Bay, Aberdeen City





- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- | | |
|---|---|
| <p>Agency and Hydrological</p> <ul style="list-style-type: none"> Contaminated Land Register Entry or Notice (Location) Contaminated Land Register Entry or Notice Discharge Consent Enforcement or Prohibition Notice Integrated Pollution Control Integrated Pollution Prevention Control Local Authority Integrated Pollution Prevention and Control Local Authority Pollution Prevention and Control Enforcement Local Authority 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 Substantiated Pollution Incident Register Water Abstraction Water Industry Act Referral BGS Recorded Mineral Site | <p>Waste</p> <ul style="list-style-type: none"> BGS Recorded Landfill Site (Location) BGS Recorded Landfill Site Integrated Pollution Control Registered Waste Site 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 |
|---|---|
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Segment A11



Order Details

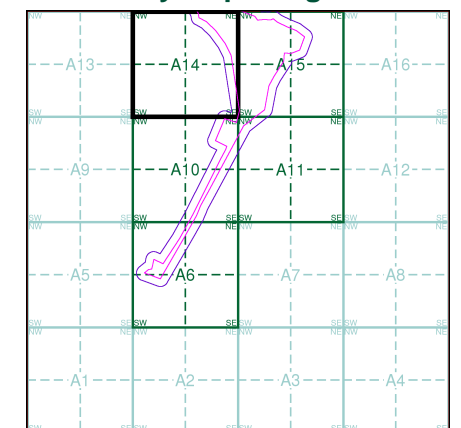
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21

Site Details

Site at, Nigg Bay, Aberdeen City

- 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
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 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Segment A14

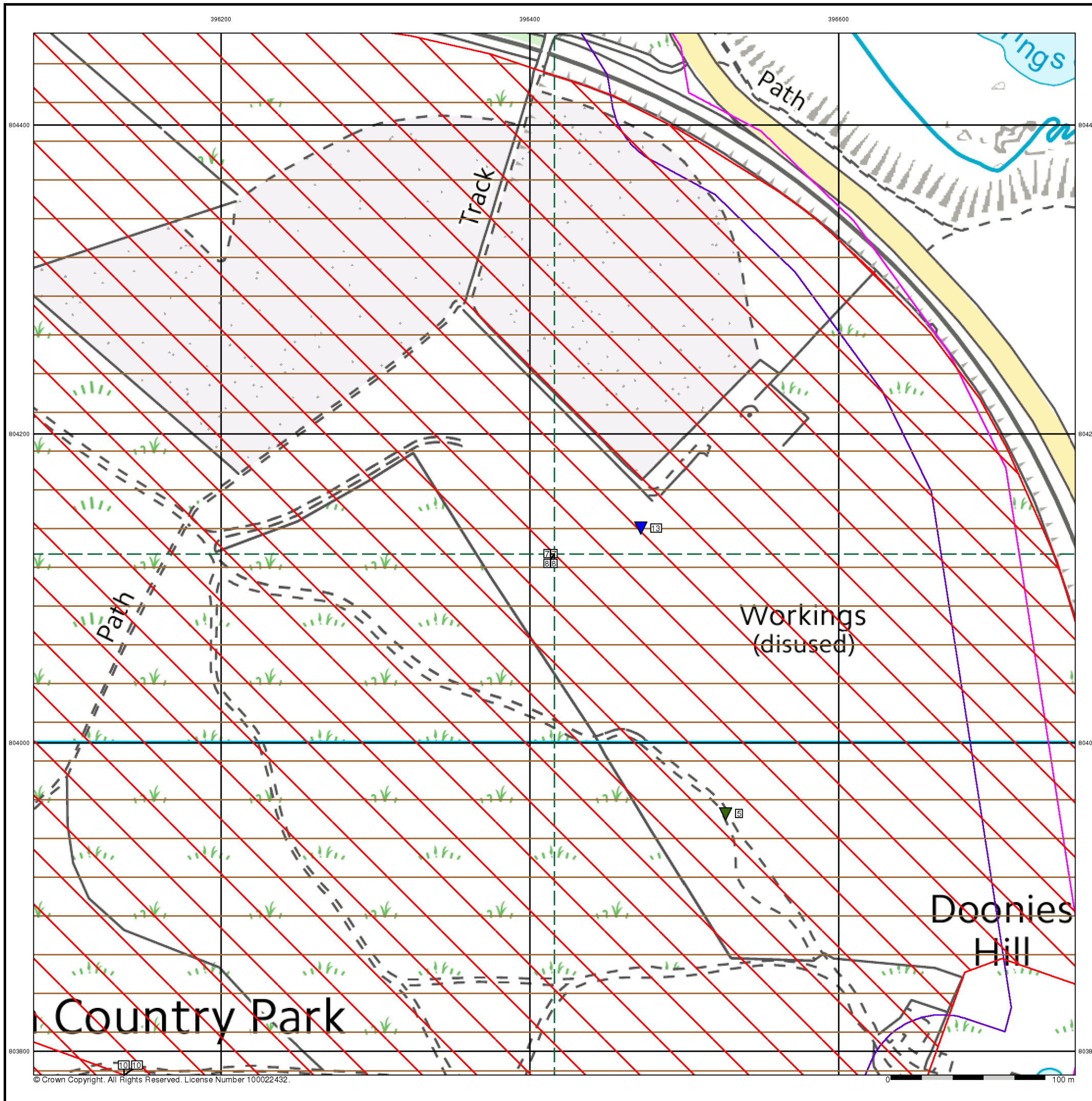


Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21

Site Details

Site at, Nigg Bay, Aberdeen City



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 Enforcement
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- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- Integrated Pollution Control Registered Waste Site
- 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

Hazardous Substances

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

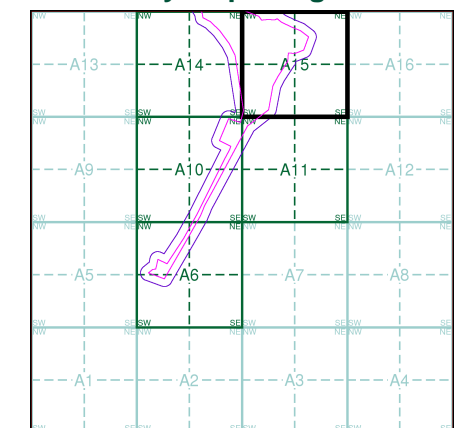
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment A15

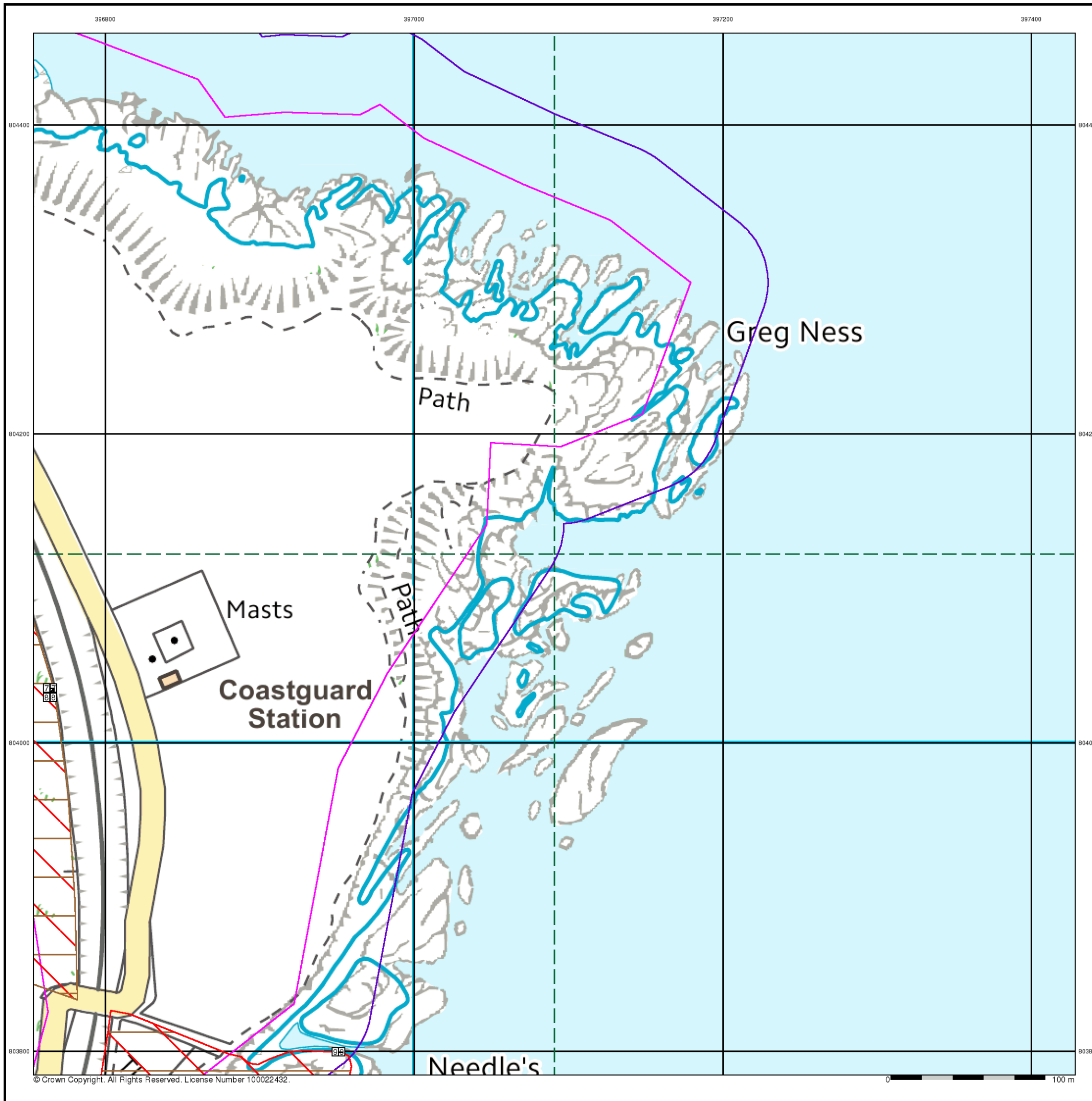


Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21

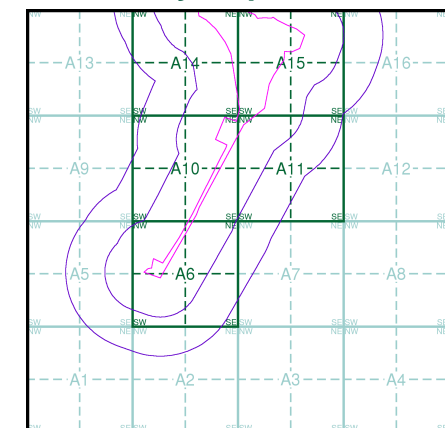
Site Details

Site at, Nigg Bay, Aberdeen City



- 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)
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
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 - Local Authority Pollution Prevention and Control Enforcement
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- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

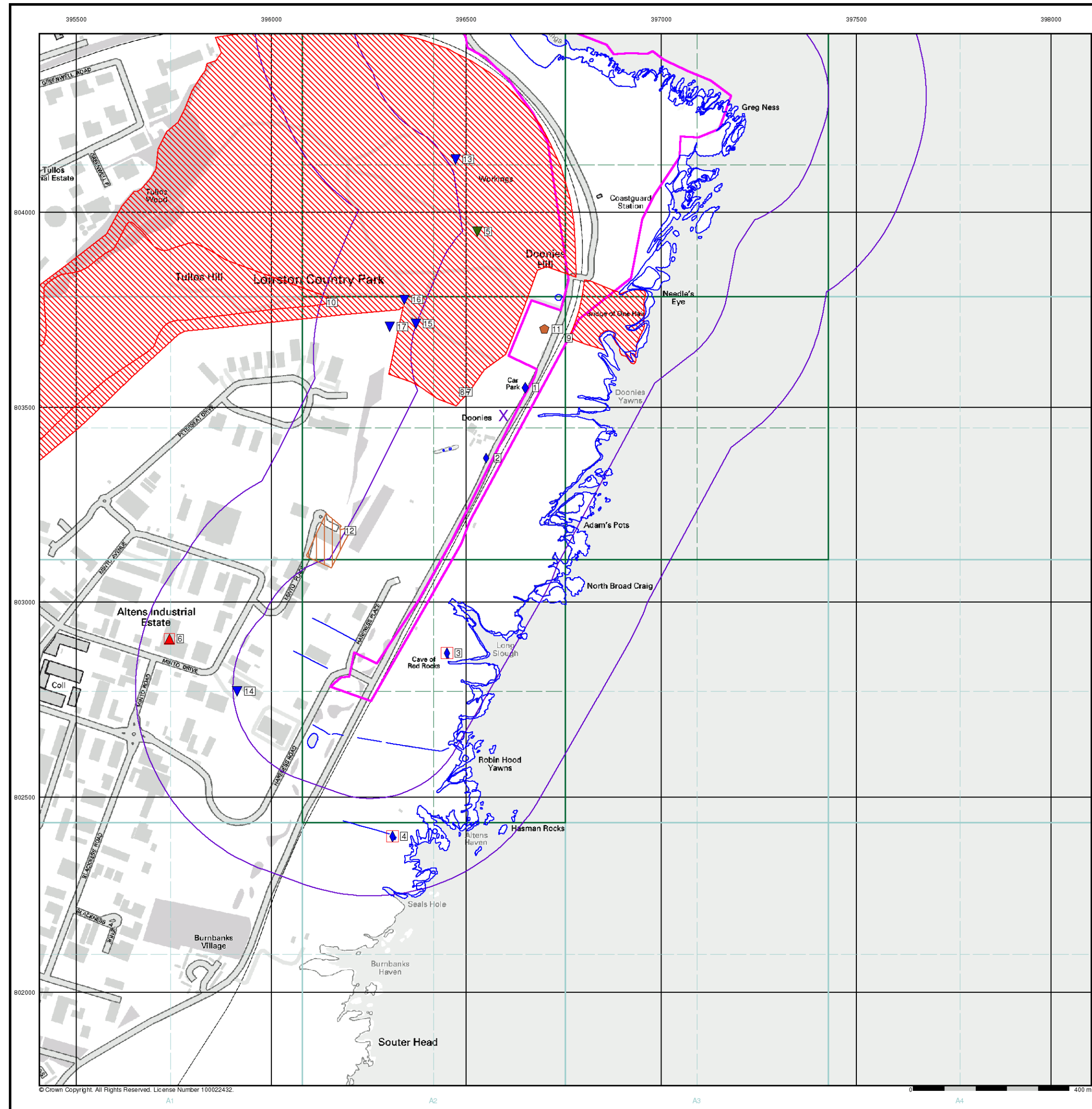
Site Sensitivity Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details
 Site at, Nigg Bay, Aberdeen City



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General

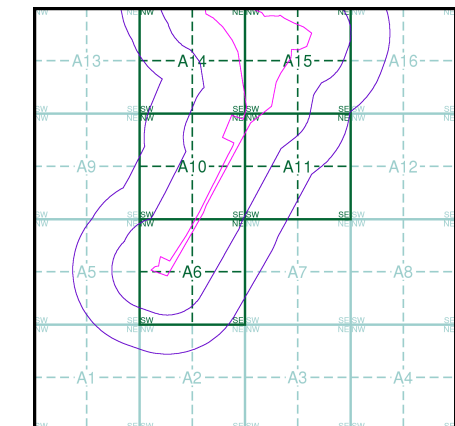
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- 0 - 1m estimated 100yr flood depth
- 1 - 2m estimated 100yr flood depth
- Over 2m estimated 100yr flood depth

The flooded areas have been generated using a generalised technique and should not, by themselves, be used to infer that specific areas are or are not at risk of inundation. Flood risk at any specific location may be influenced by local factors - not least flood defence - that have not been taken into account.

Flood Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

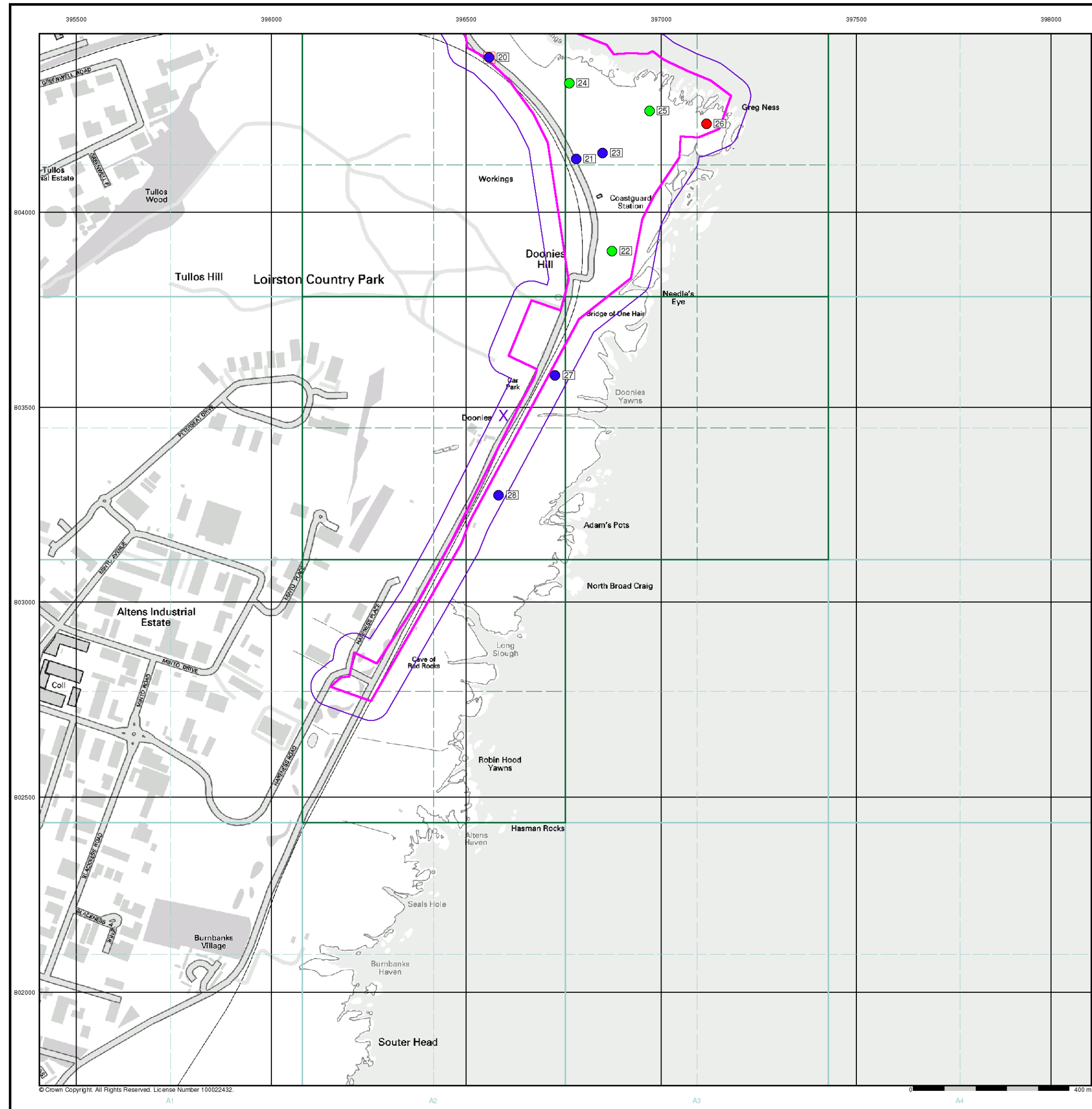
Site Details

Site at, Nigg Bay, Aberdeen City








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




General

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

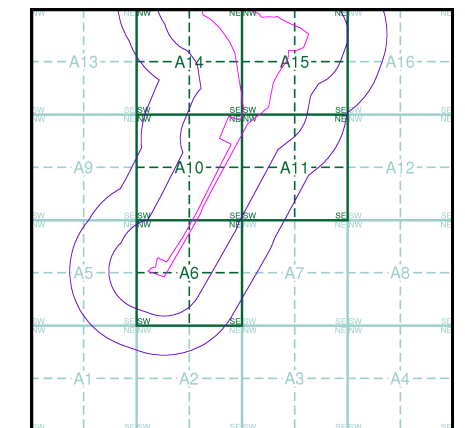
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City

General

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

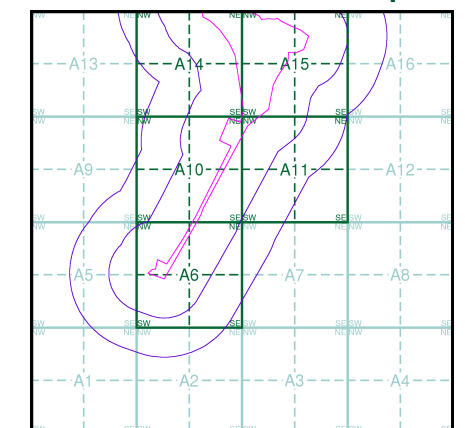
EA Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

- Standard Contour 105
- Index Contour 100
- 167.3 Spot Height
- 45.8 Air Height

EA Detailed River Network Map - Slice A



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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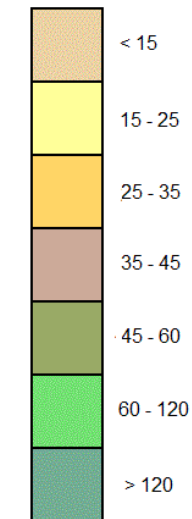


General

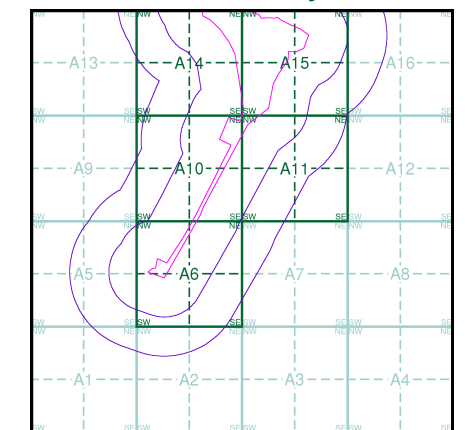
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

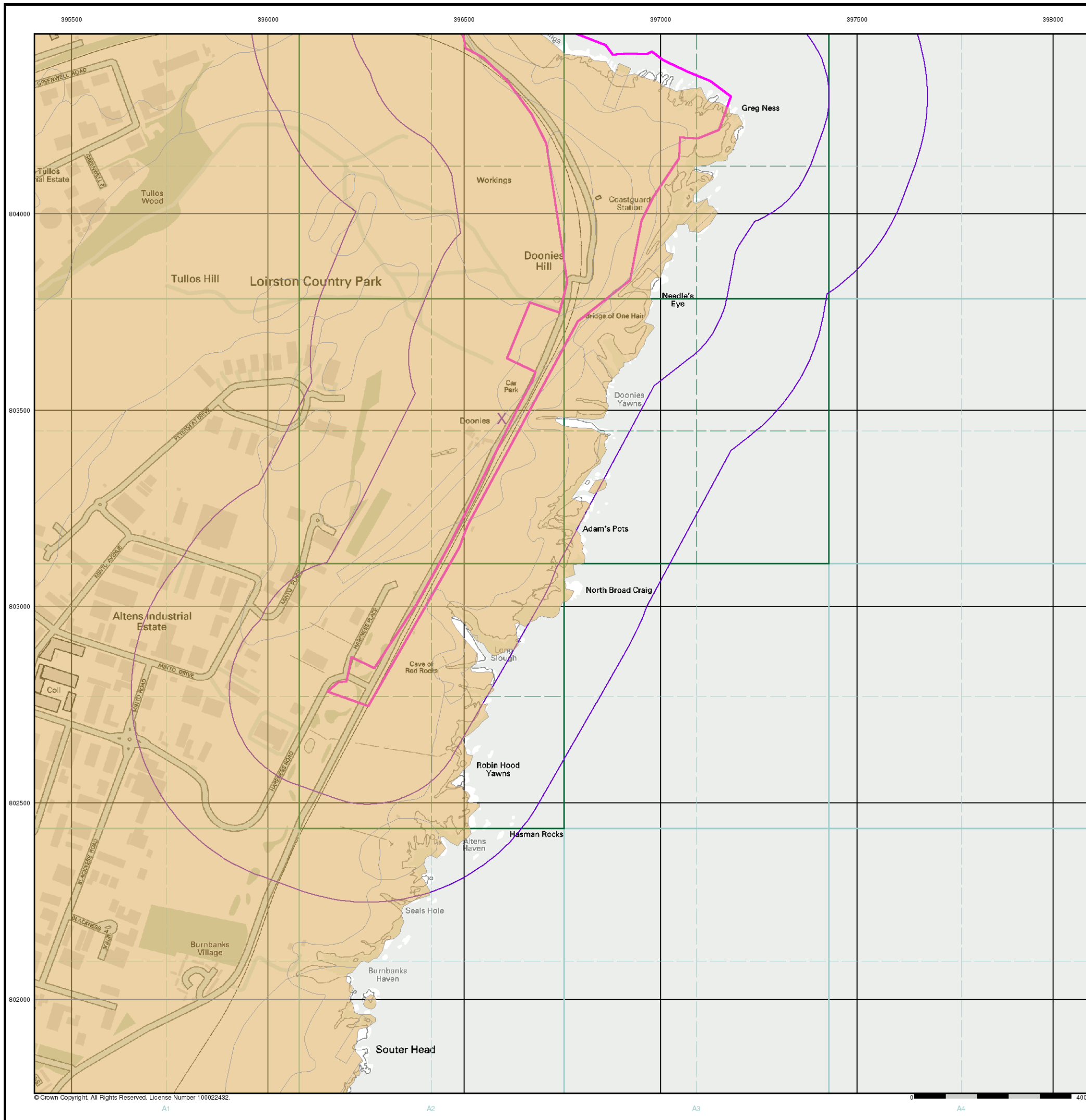
Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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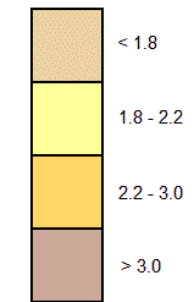


General

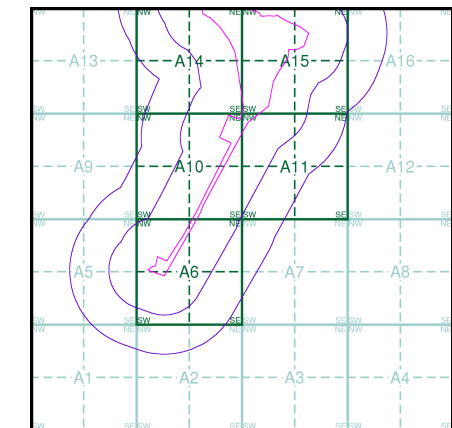
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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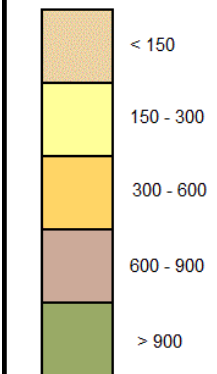


General

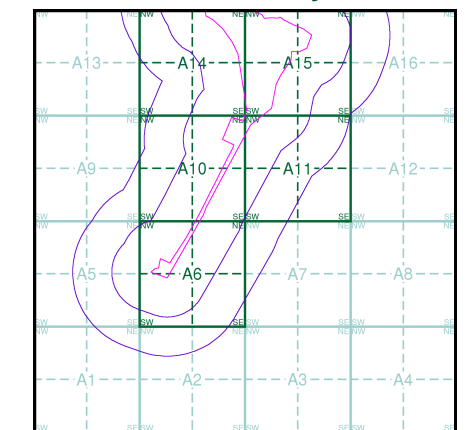
- ⬮ Specified Site
- ⬮ Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

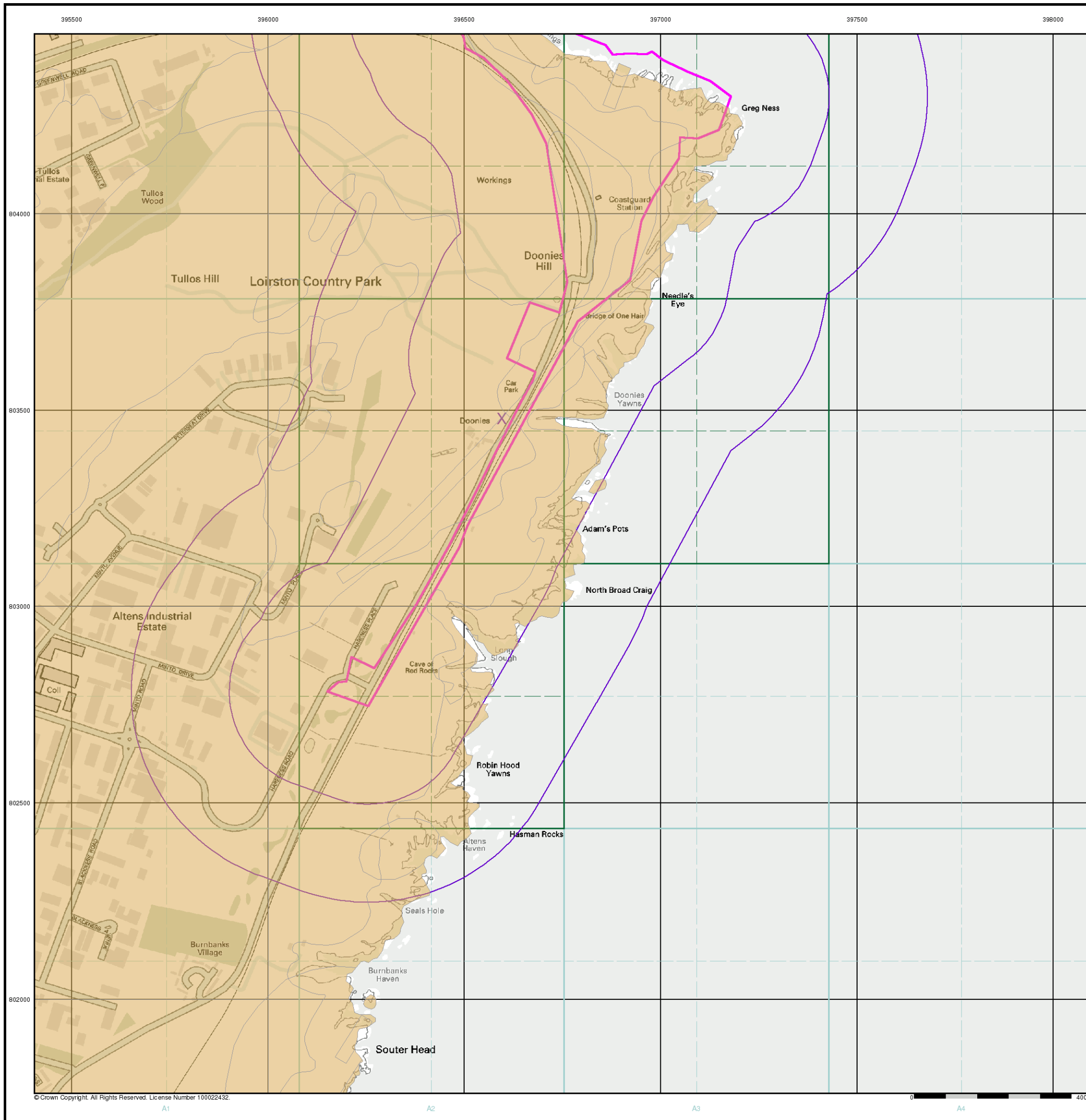
Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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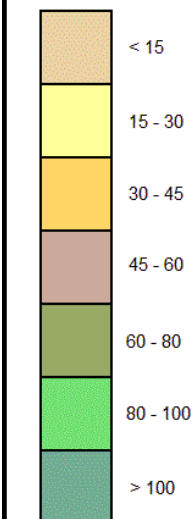


General

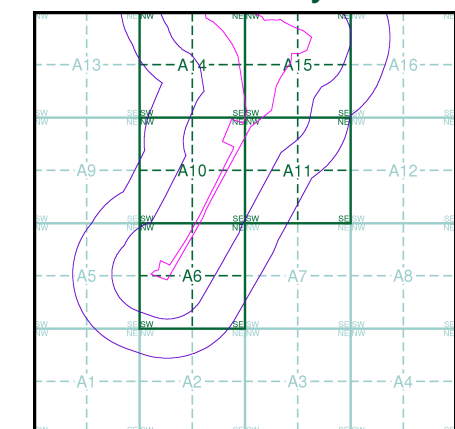
- ⬮ Specified Site
- ⬮ Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

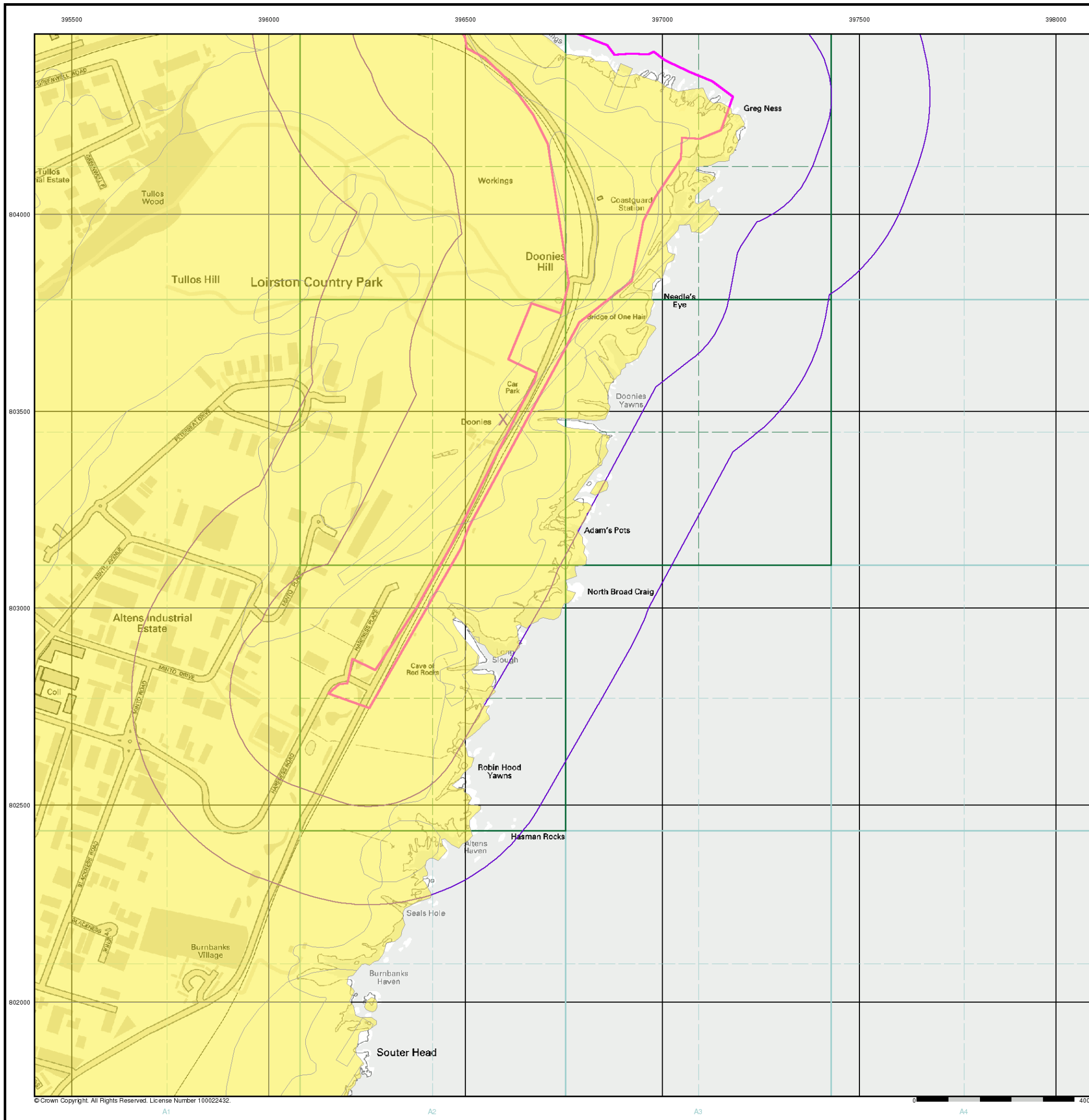
Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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



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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

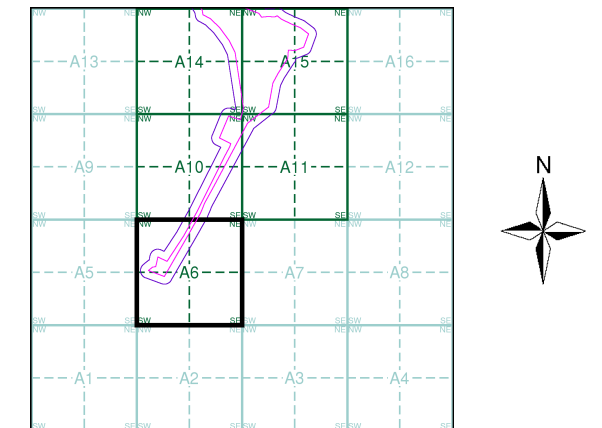
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
BM 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
Kincardineshire	1:2,500	1867	2
Kincardineshire	1:2,500	1903	3
Kincardineshire	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1963 - 1964	5
Ordnance Survey Plan	1:2,500	1982	6
Additional SIMs	1:2,500	1992	7
Large-Scale National Grid Data	1:2,500	1993	8

Historical Map - Segment A6



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Kincardineshire

Published 1867

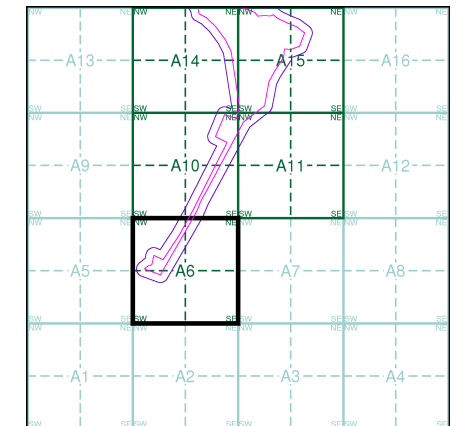
Source map scale - 1:2,500

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)

004_07	1867	1:2,500
004_11	1867	1:2,500

Historical Map - Segment A6



Order Details

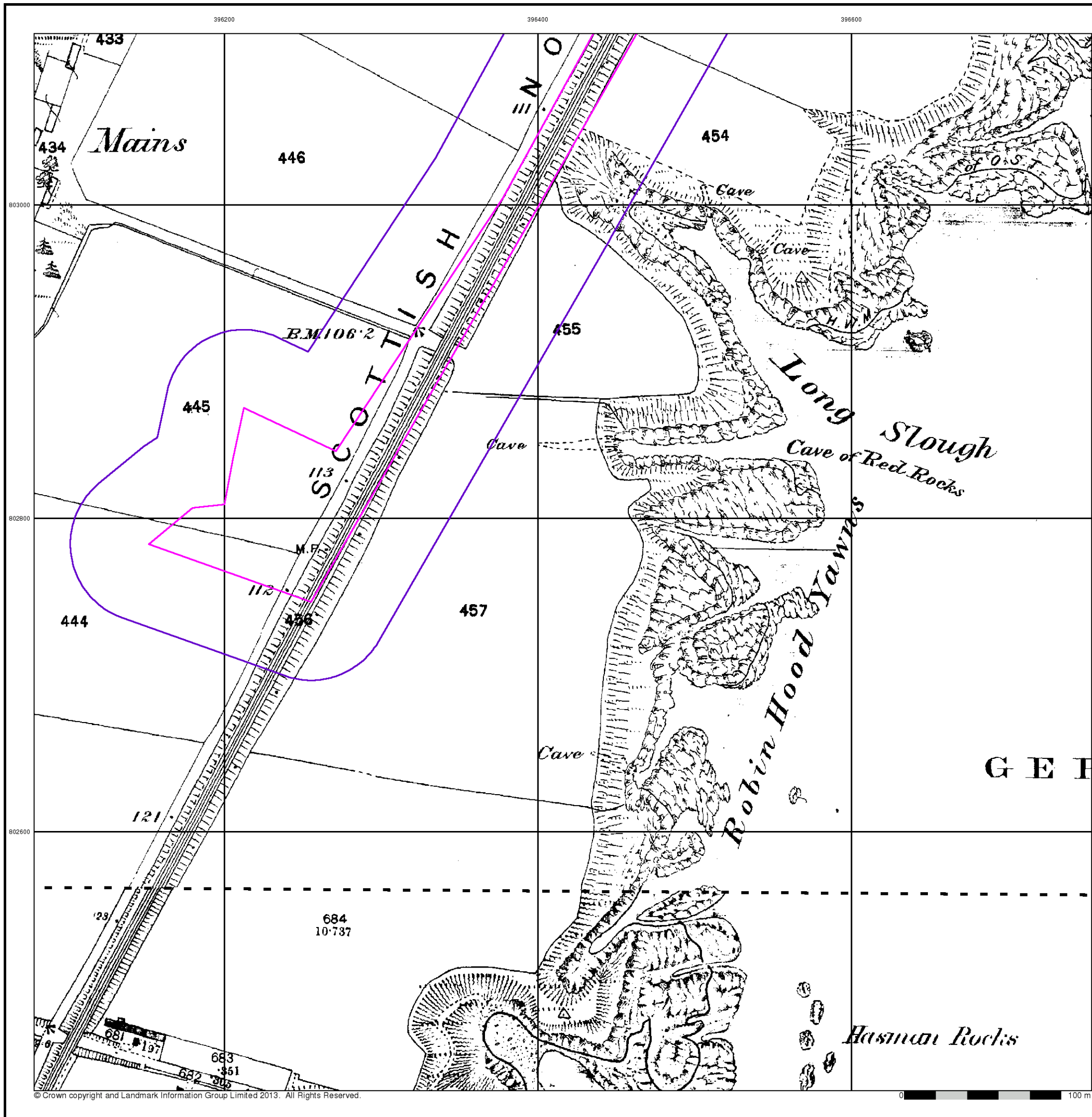
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 National Grid Reference: 396600, 803480
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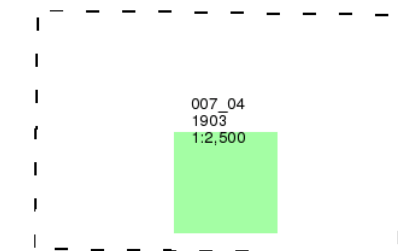
Kincardineshire

Published 1903

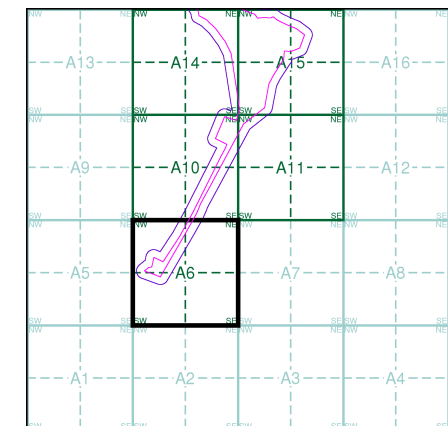
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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 A6



Order Details

Order Number: 55426788_1_1
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Slice: A
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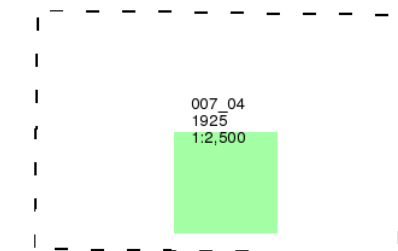
Kincardineshire

Published 1925

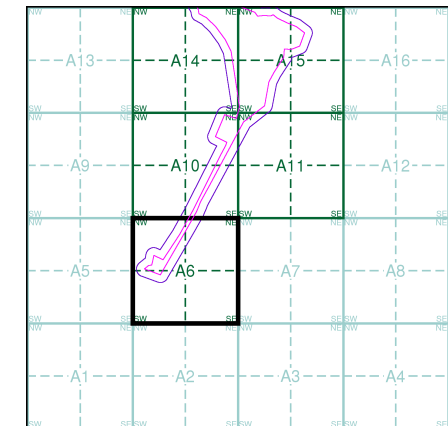
Source map scale - 1:2,500

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 A6



Order Details

Order Number: 55426788_1_1
Customer Ref: EED14221-100
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Slice: A
Site Area (Ha): 63.21
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Ordnance Survey Plan

Published 1963 - 1964

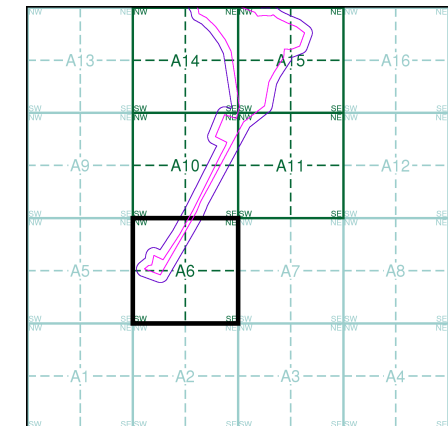
Source map scale - 1:2,500

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)

NJ9603	1964	1:2,500
NJ9602	1963	1:2,500

Historical Map - Segment A6



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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Ordnance Survey Plan

Published 1982

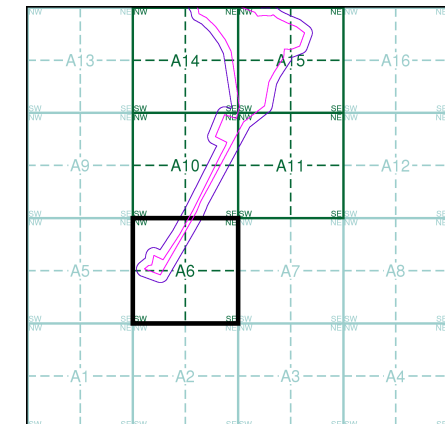
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

NJ9603	1982	1:2,500
NJ9602	1982	1:2,500

Historical Map - Segment A6



Order Details

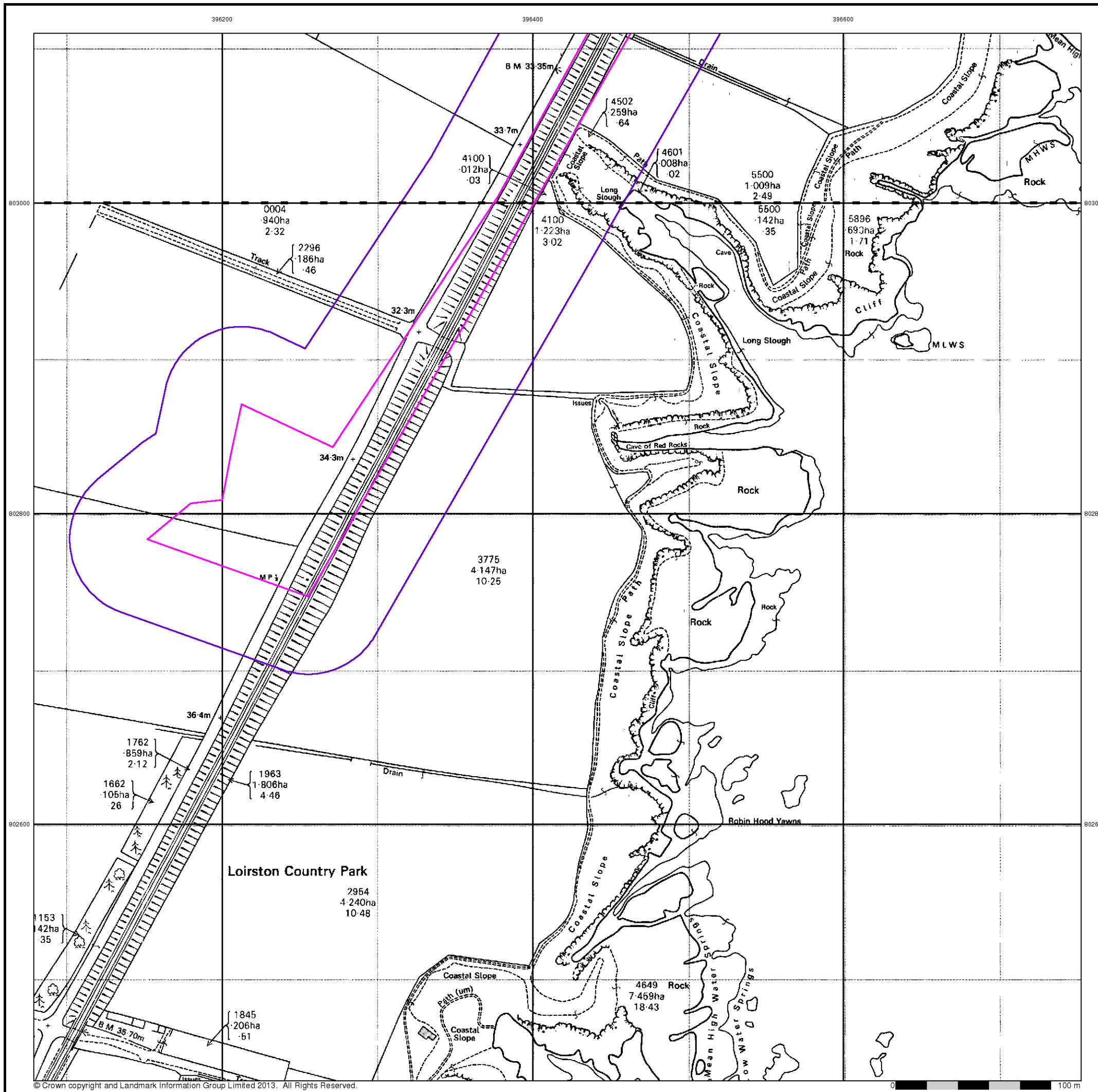
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 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

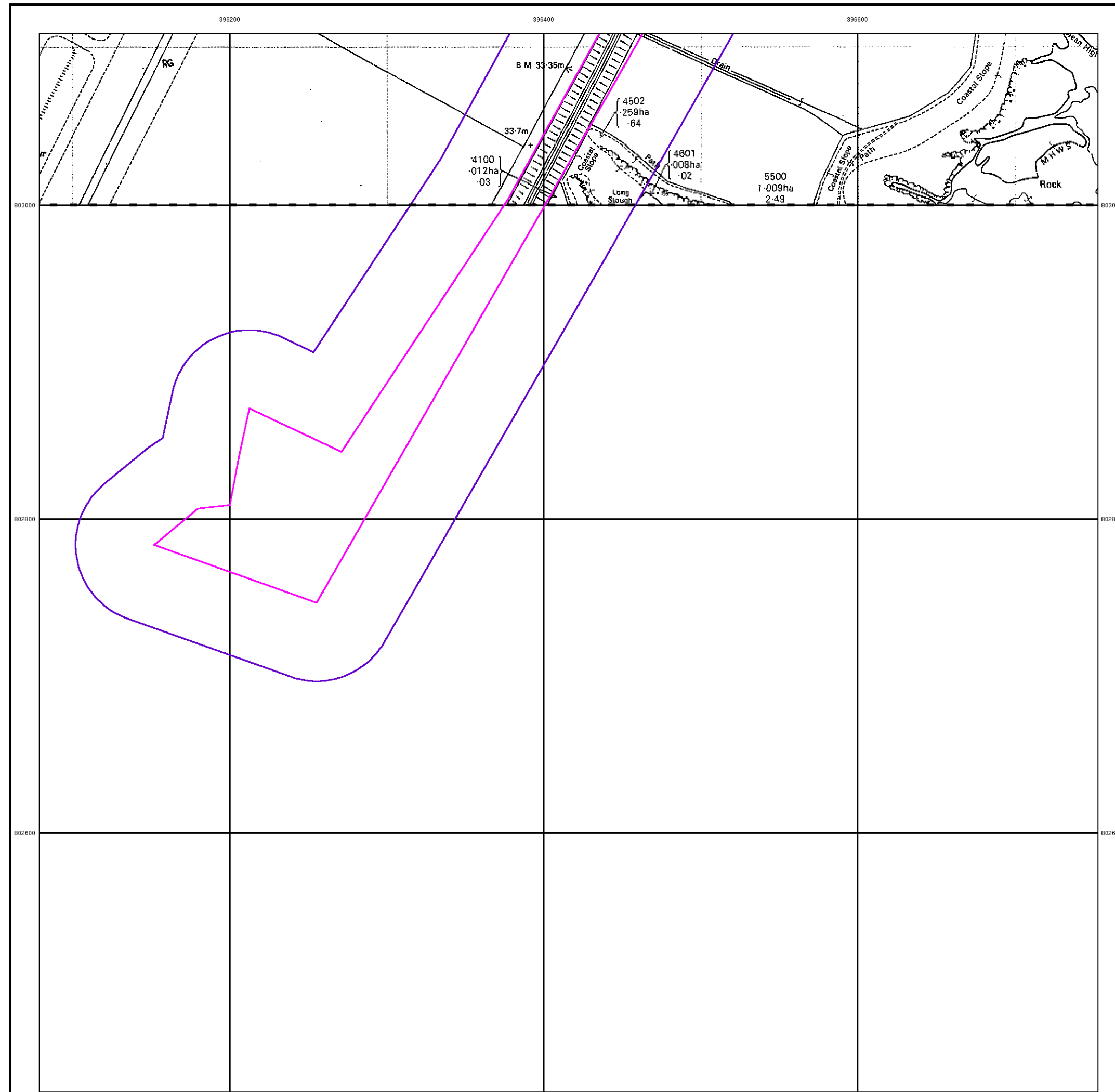
Site Details

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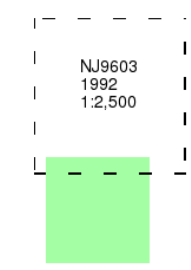
Additional SIMs

Published 1992

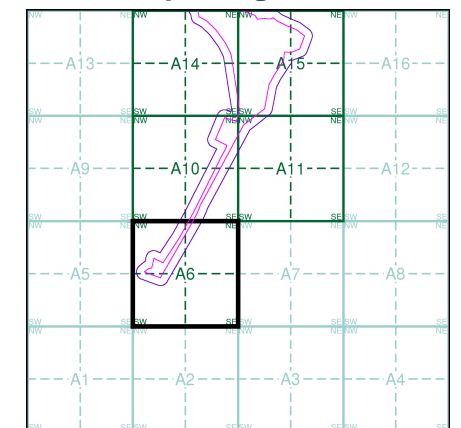
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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Large-Scale National Grid Data

Published 1993

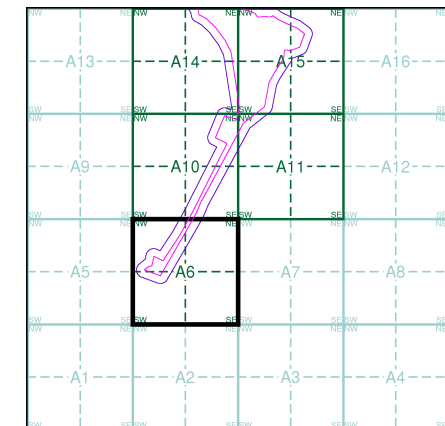
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

NJ9603	1993	1:2,500
NJ9602	1993	1:2,500

Historical Map - Segment A6



Order Details

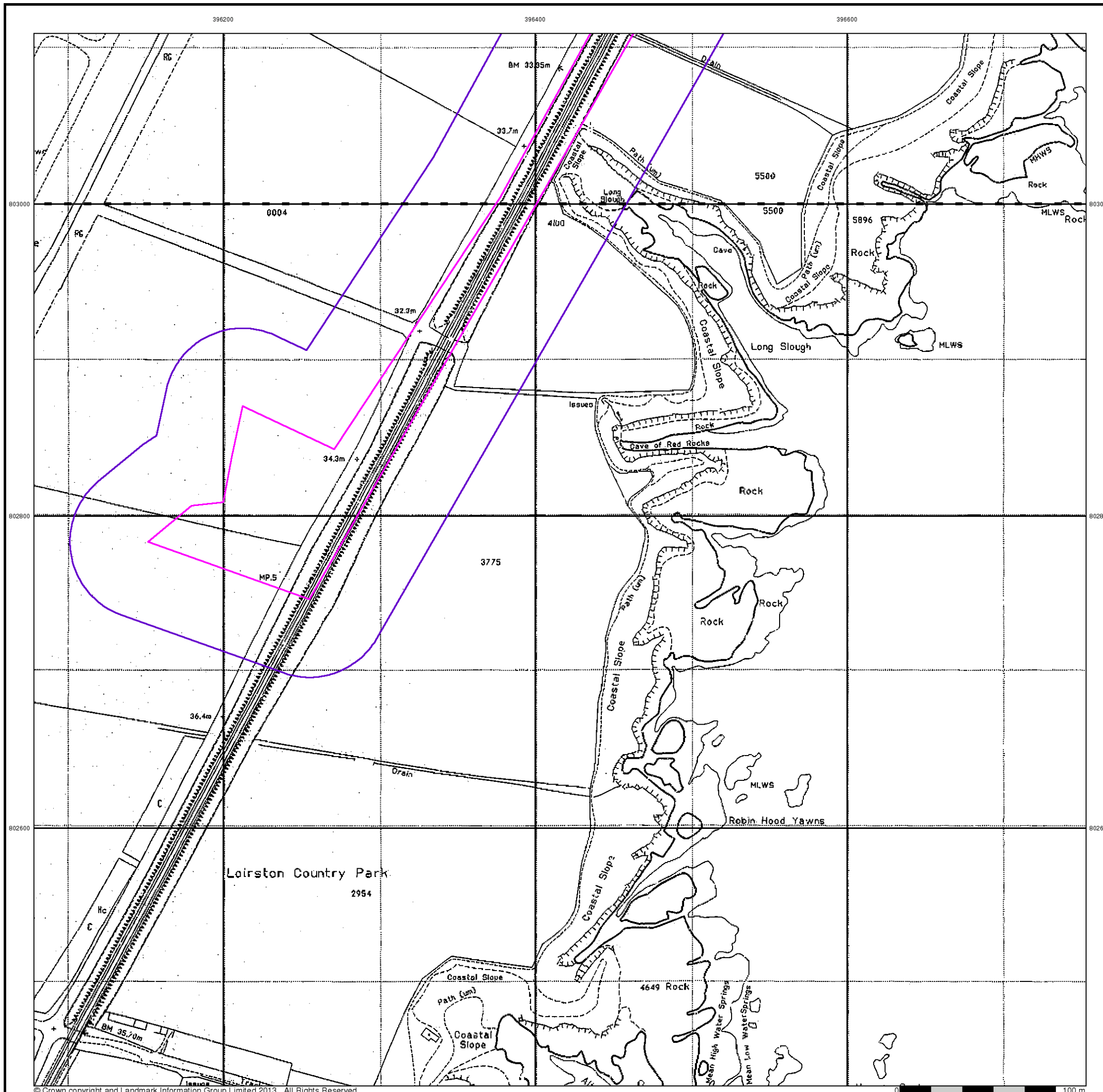
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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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

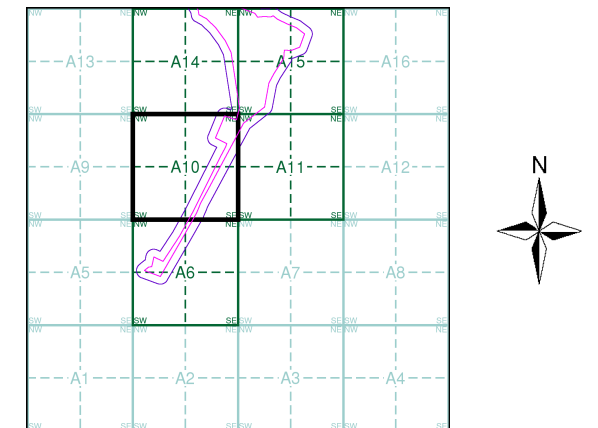
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Kincardineshire	1:2,500	1903	3
Kincardineshire	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1964	5
Ordnance Survey Plan	1:2,500	1982	6
Additional SIMs	1:2,500	1992	7
Large-Scale National Grid Data	1:2,500	1993	8

Historical Map - Segment A10



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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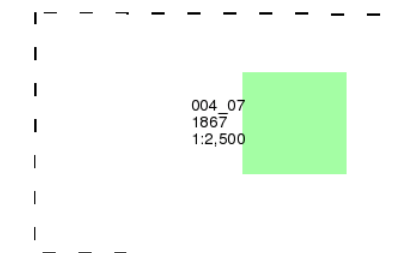
Kincardineshire

Published 1867

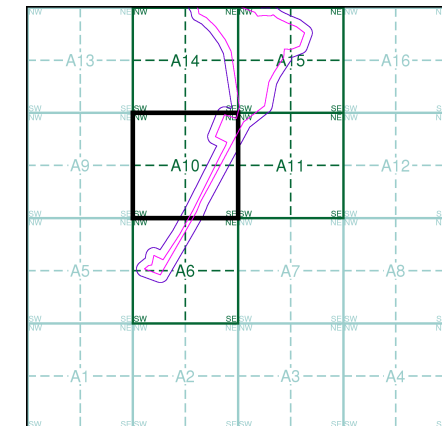
Source map scale - 1:2,500

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 A10



Order Details

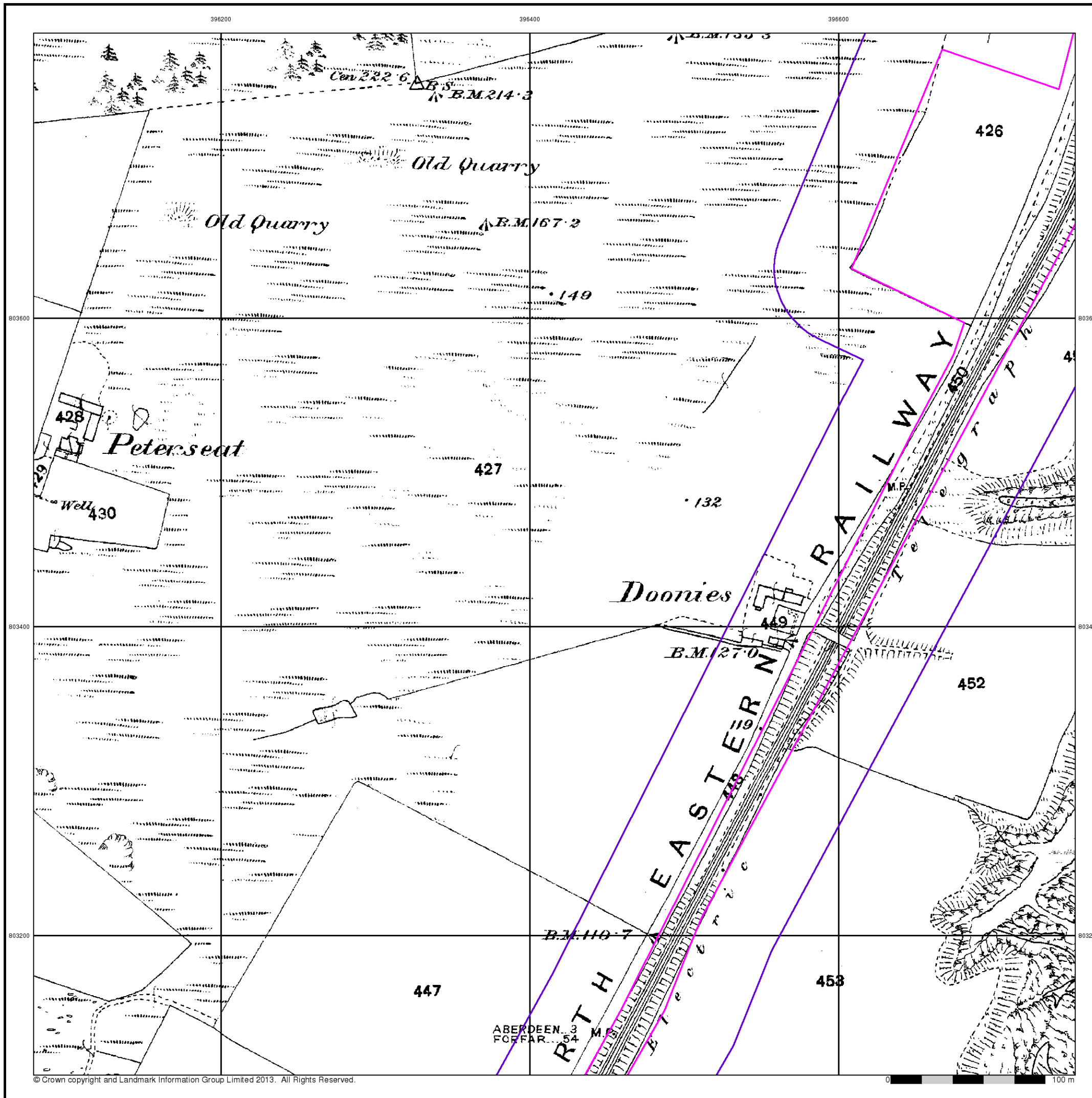
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 50

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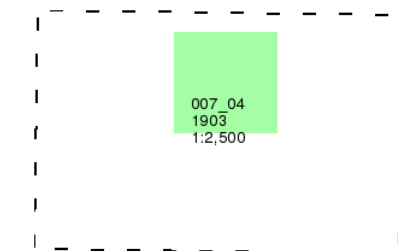
Kincardineshire

Published 1903

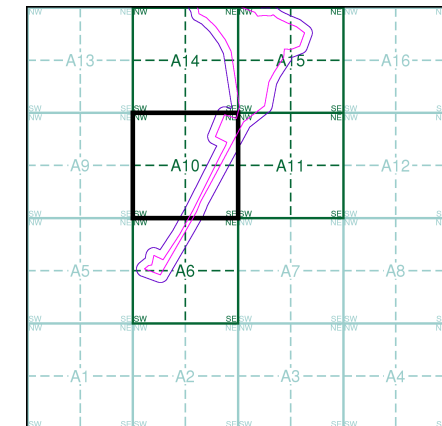
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

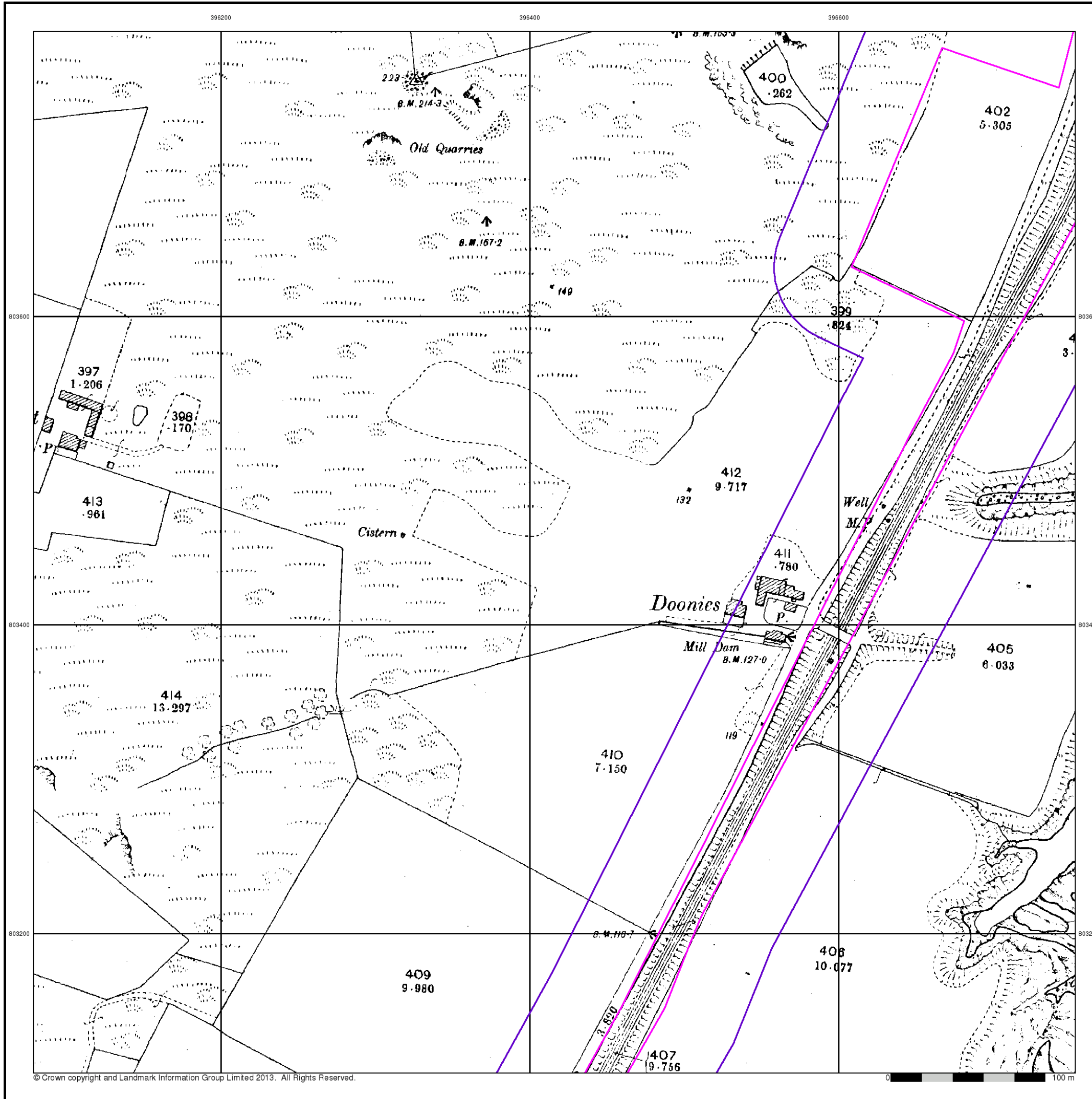
Order Number: 55426788_1_1
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National Grid Reference: 396600, 803480
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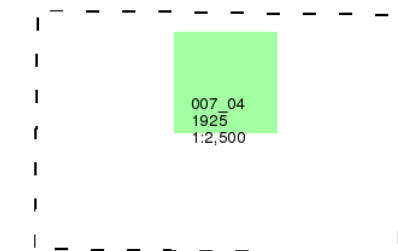
Kincardineshire

Published 1925

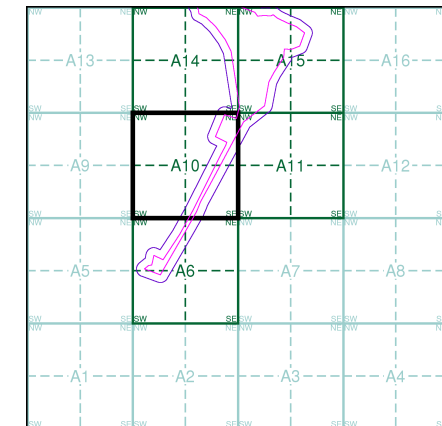
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

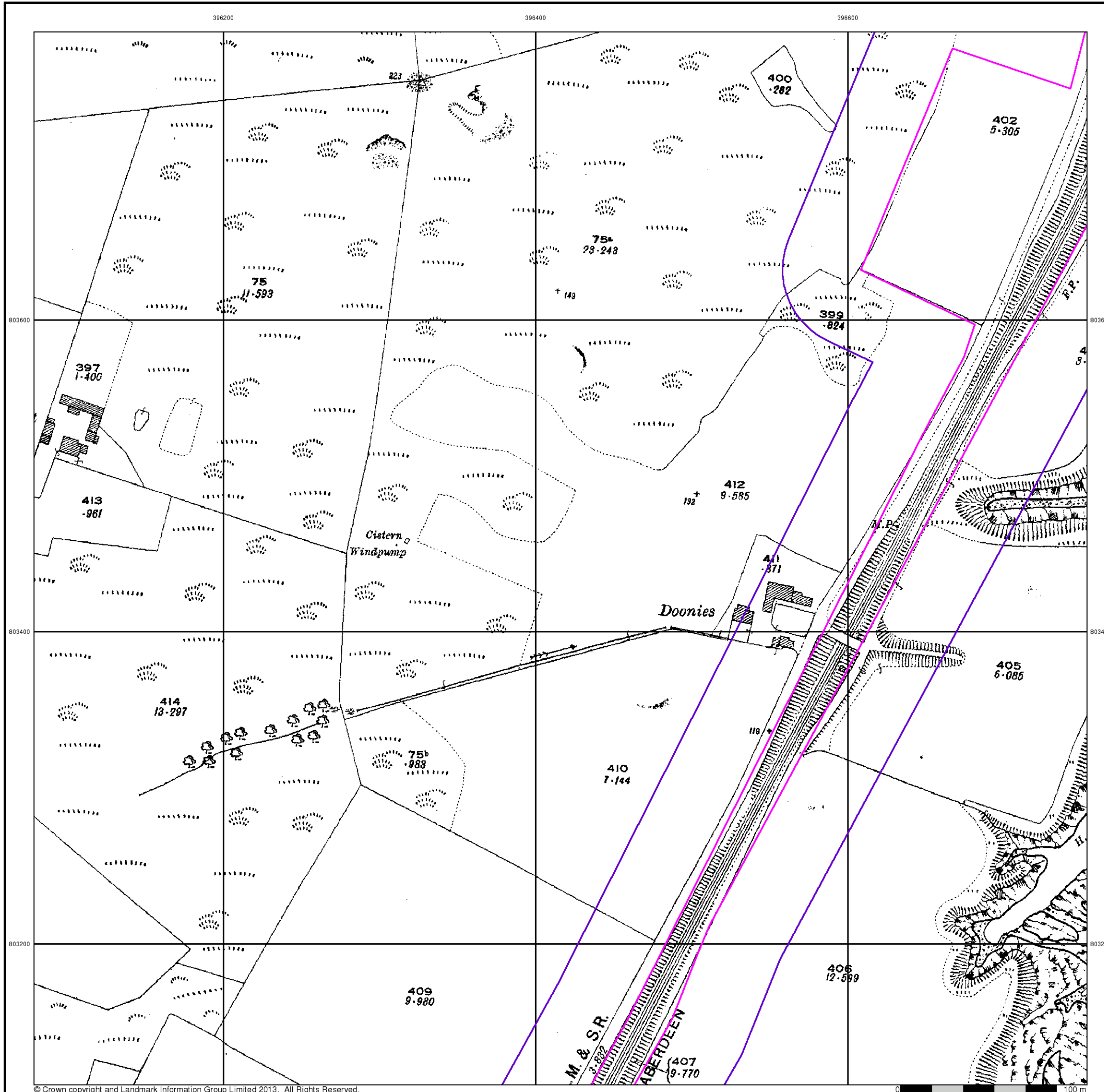
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
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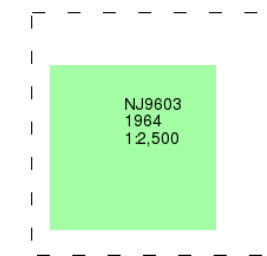
Ordnance Survey Plan

Published 1964

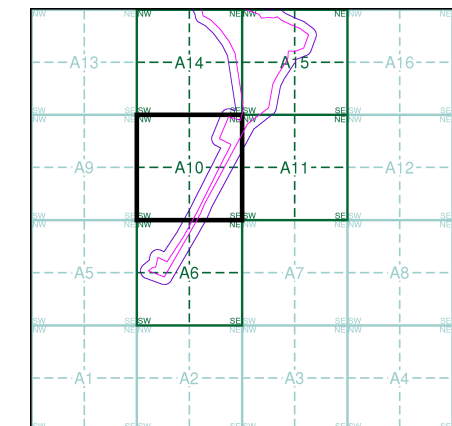
Source map scale - 1:2,500

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 A10



Order Details

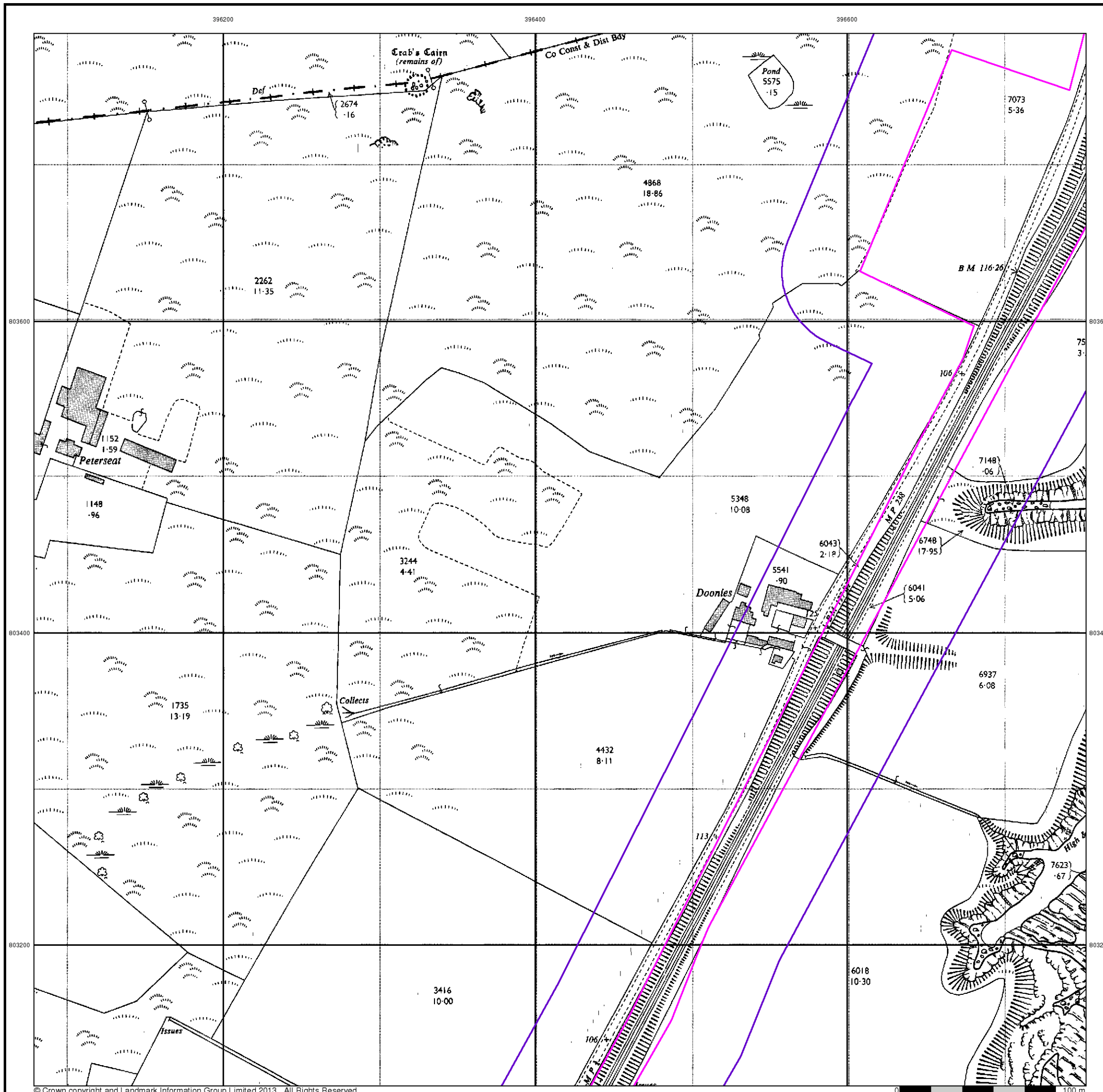
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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





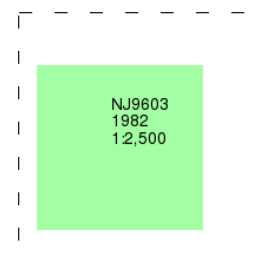
Ordnance Survey Plan

Published 1982

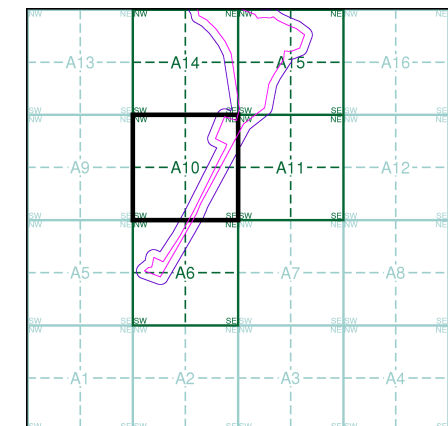
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

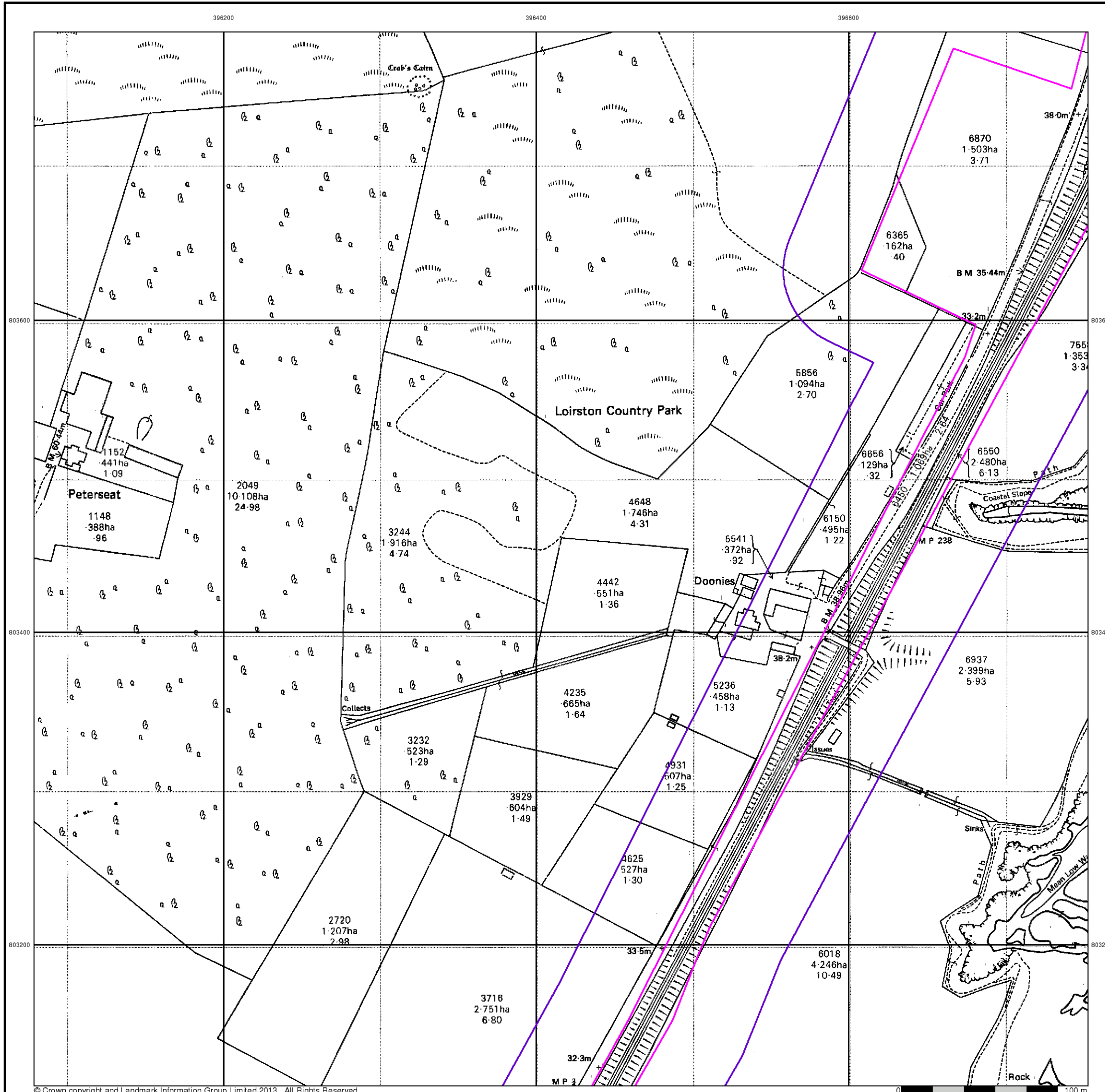
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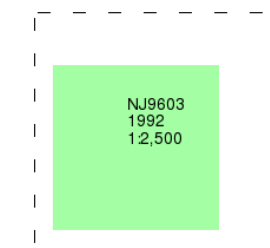
Additional SIMs

Published 1992

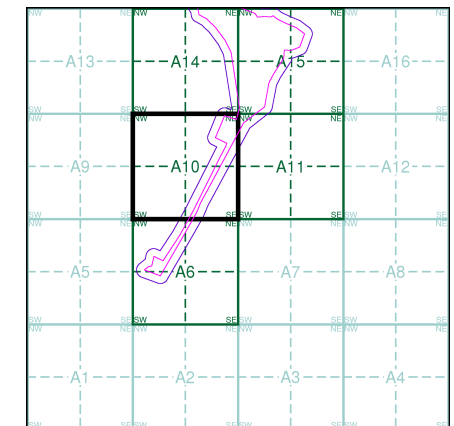
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

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Slice: A
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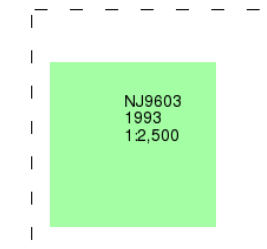
Large-Scale National Grid Data

Published 1993

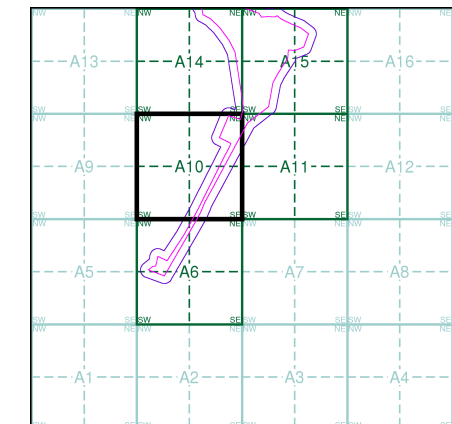
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



Order Details

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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)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
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

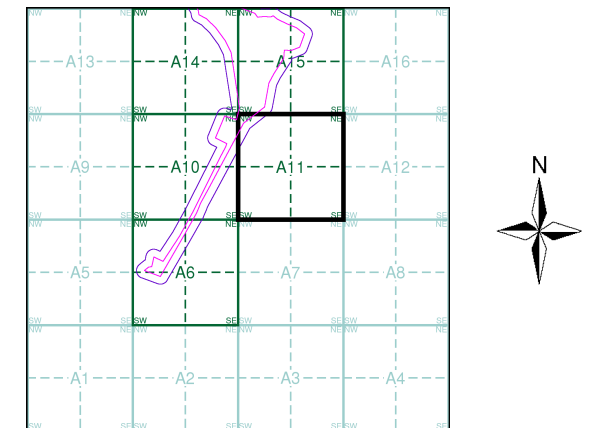
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Kincardineshire	1:2,500	1903	3
Kincardineshire	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1964	5
Ordnance Survey Plan	1:2,500	1982	6
Additional SIMs	1:2,500	1992	7
Large-Scale National Grid Data	1:2,500	1993	8

Historical Map - Segment A11



Order Details

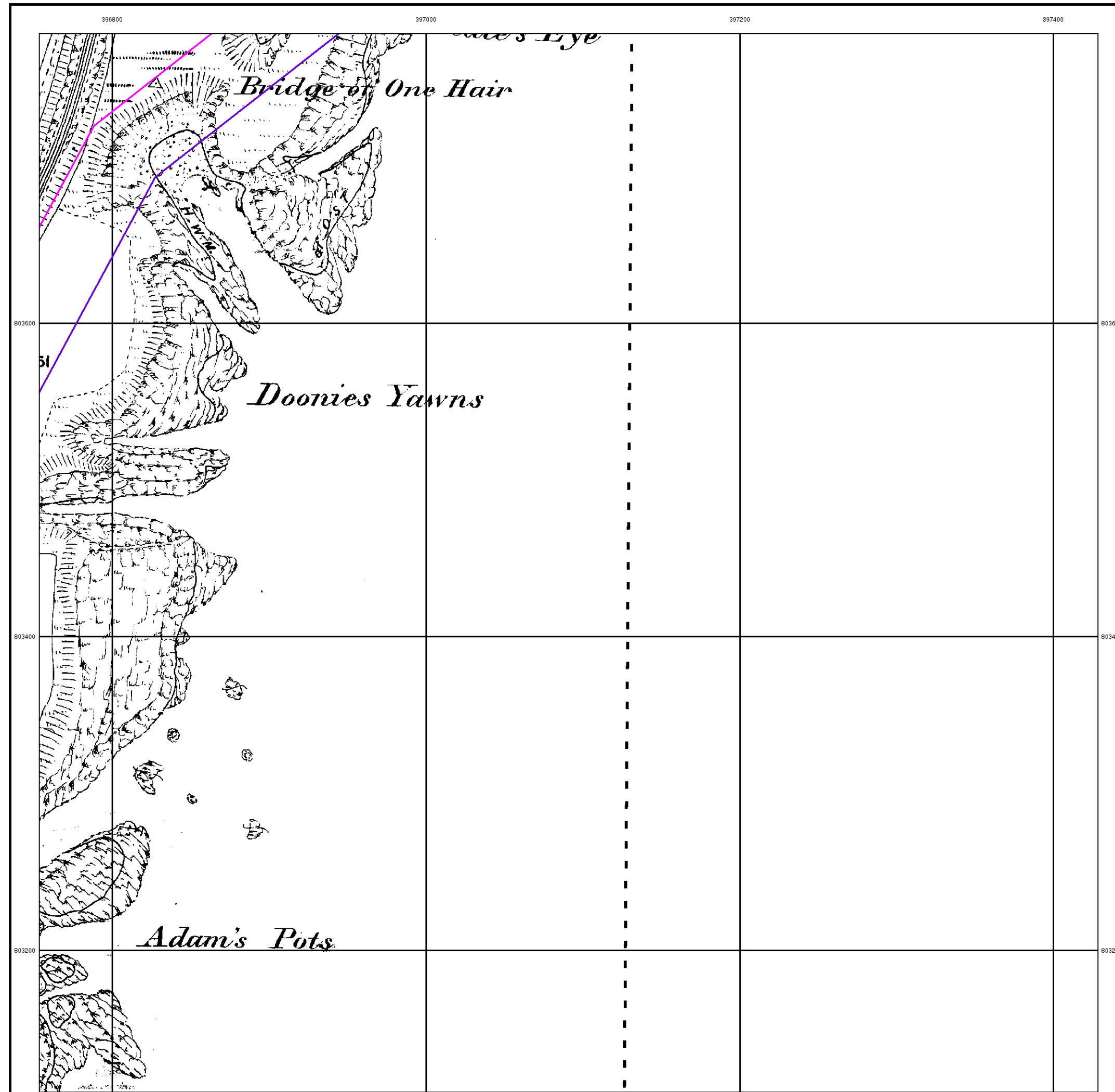
Order Number: 55426788_1_1
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 National Grid Reference: 396600, 803480
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Site Details

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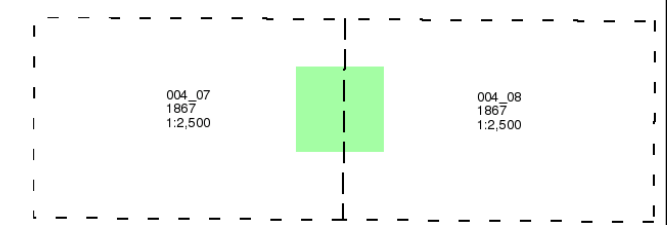
Kincardineshire

Published 1867

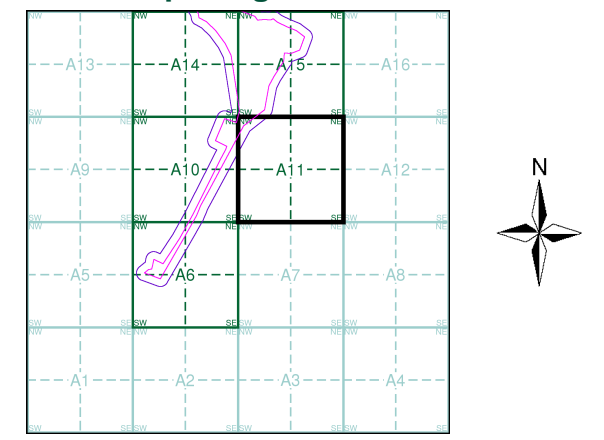
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Historical Map - Segment A11



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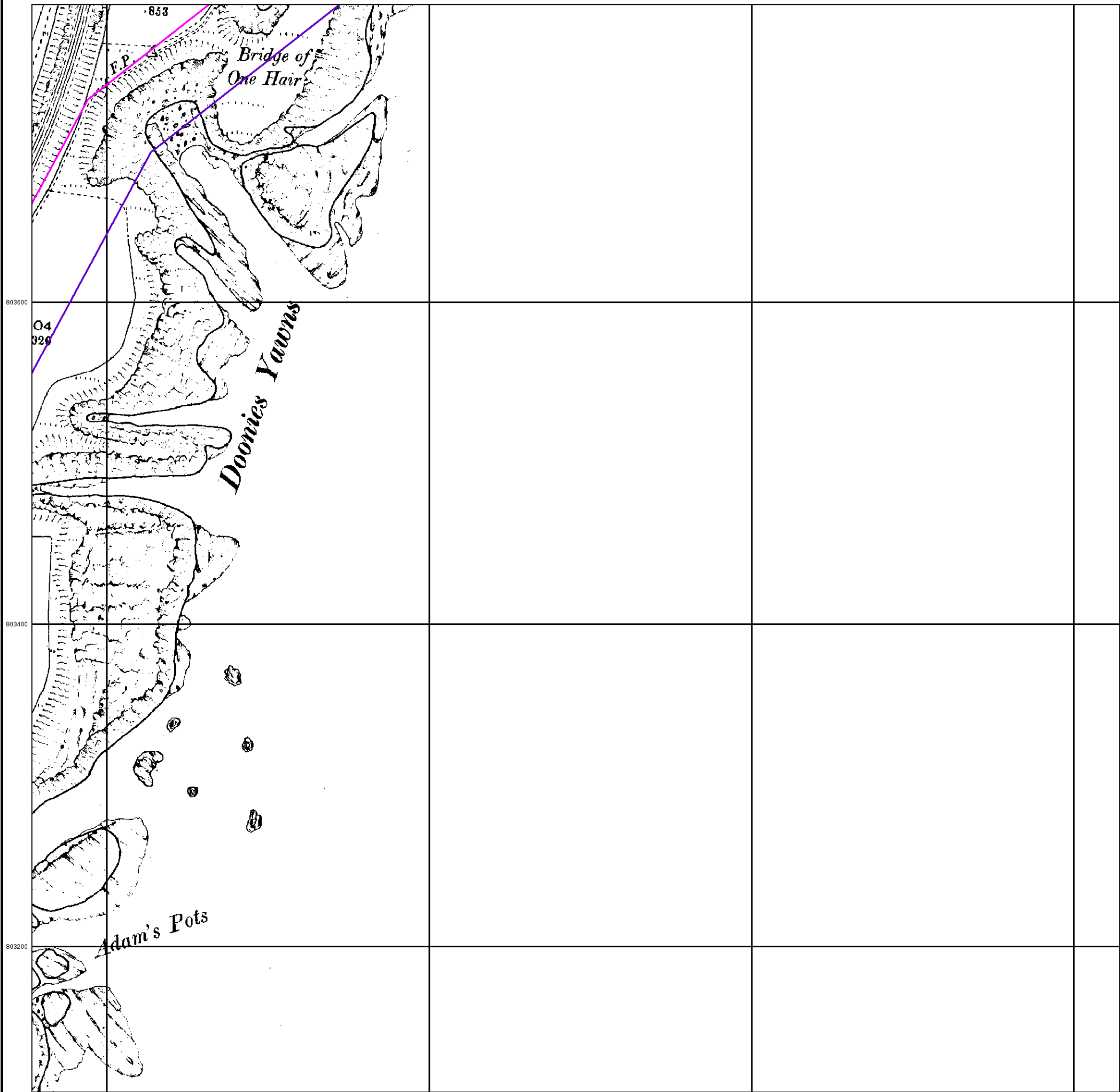
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396800

397000

397200

397400



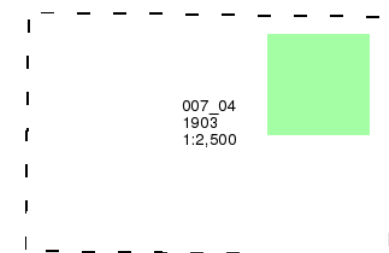
Kincardineshire

Published 1903

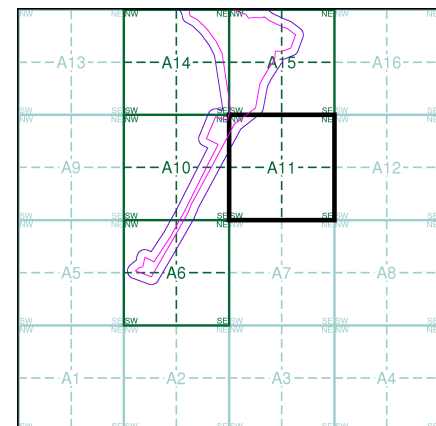
Source map scale - 1:2,500

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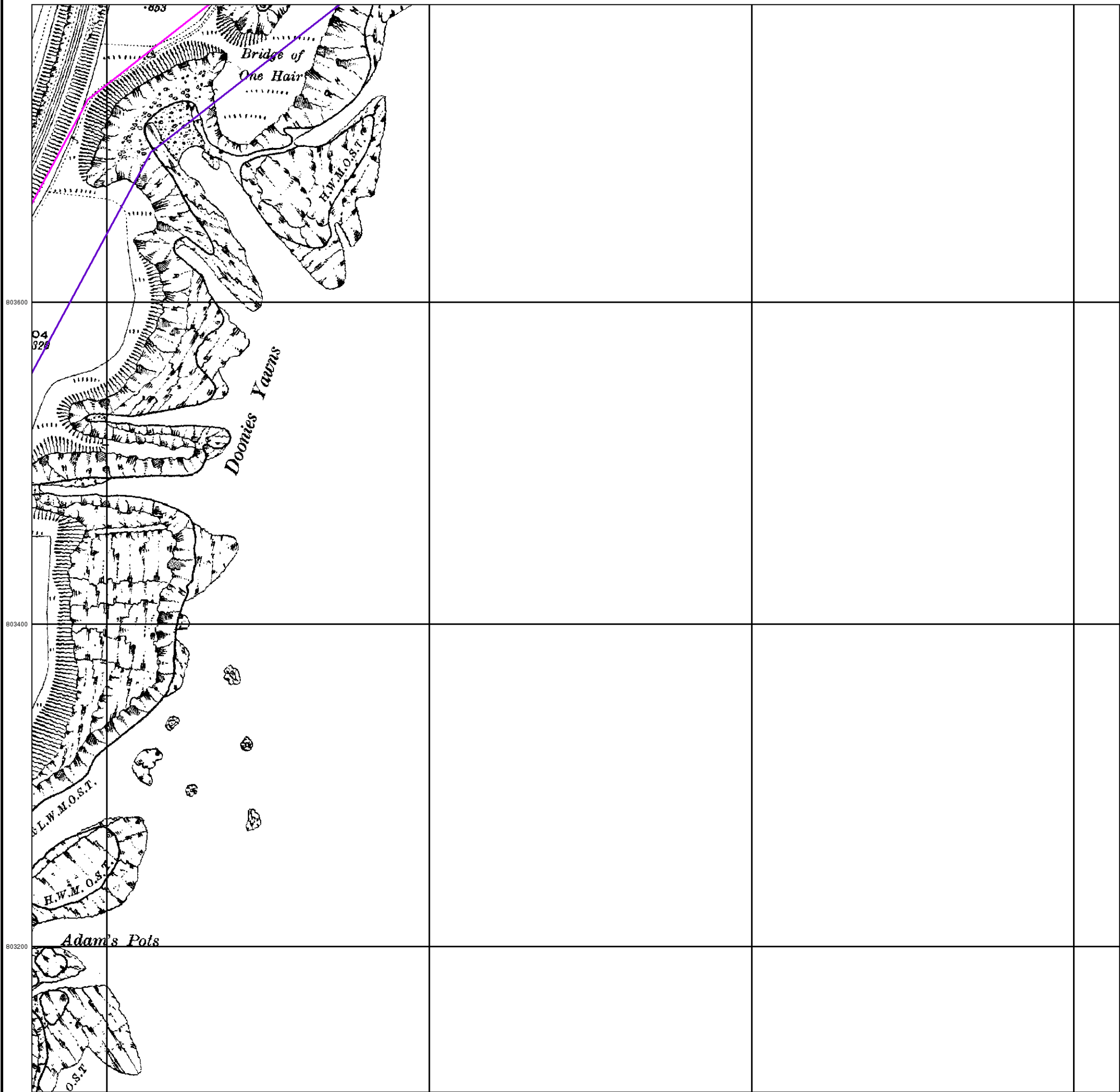
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396800

397000

397200

397400



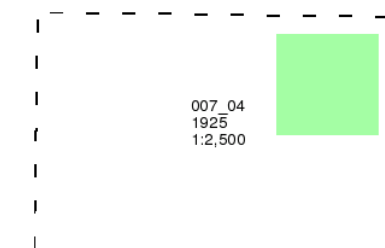
Kincardineshire

Published 1925

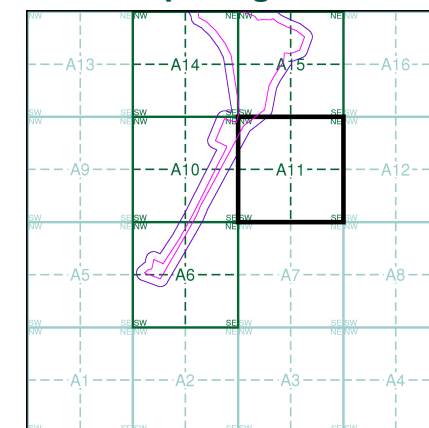
Source map scale - 1:2,500

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Historical Map - Segment A11



Order Details

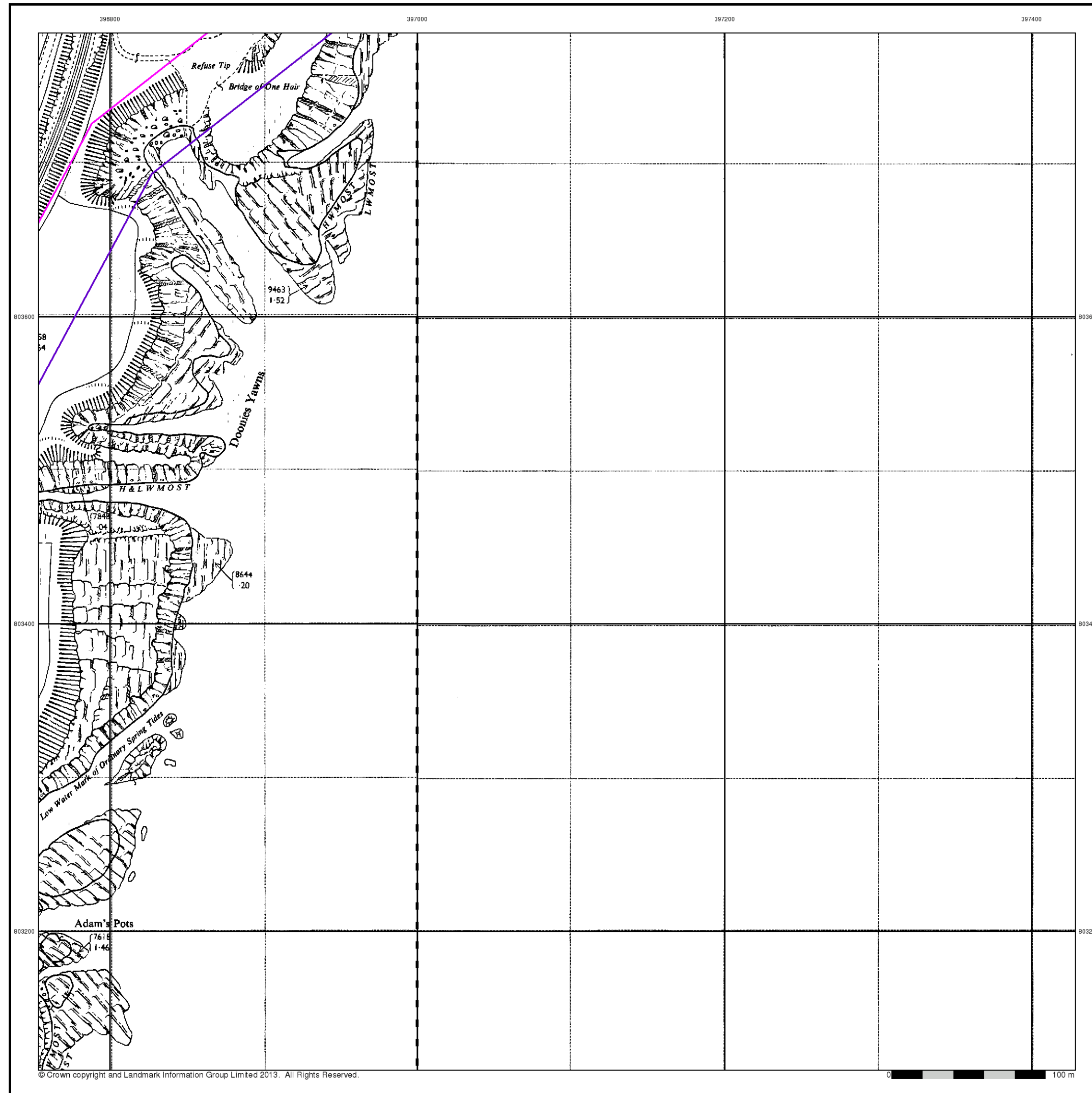
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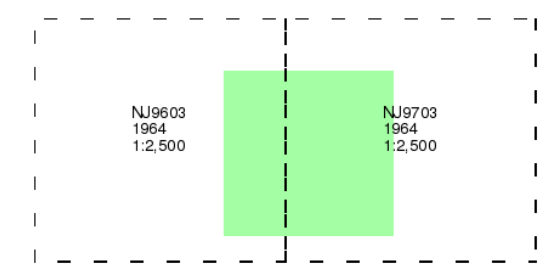
Ordnance Survey Plan

Published 1964

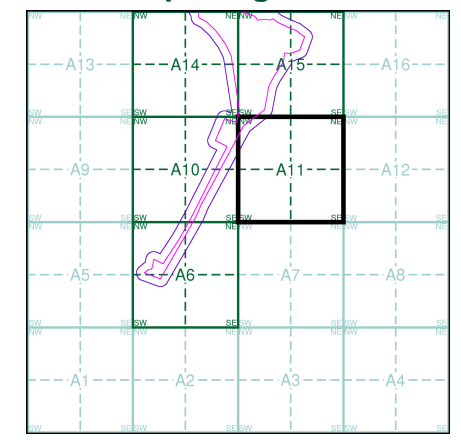
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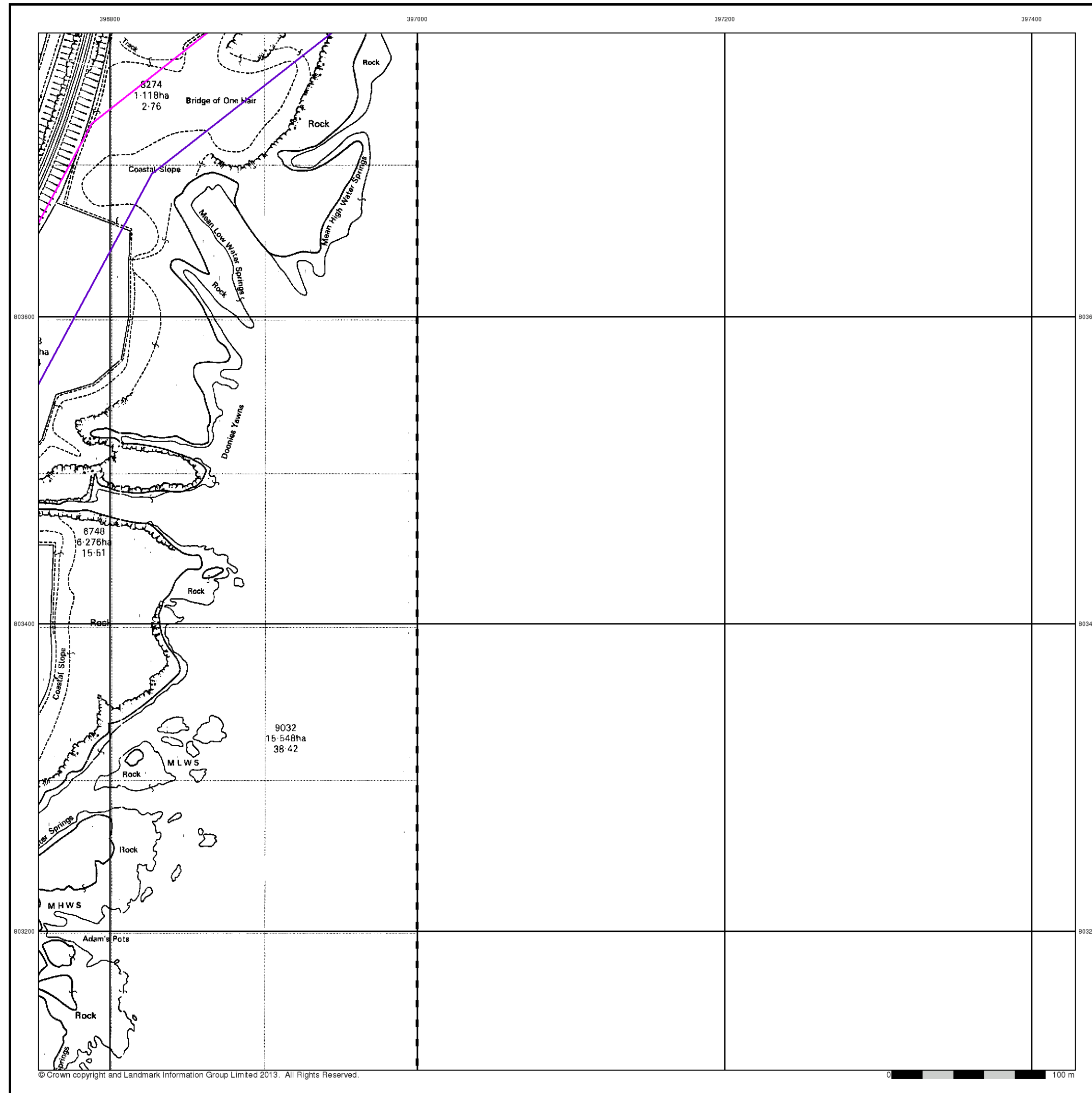
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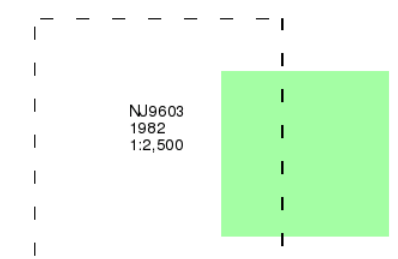
Ordnance Survey Plan

Published 1982

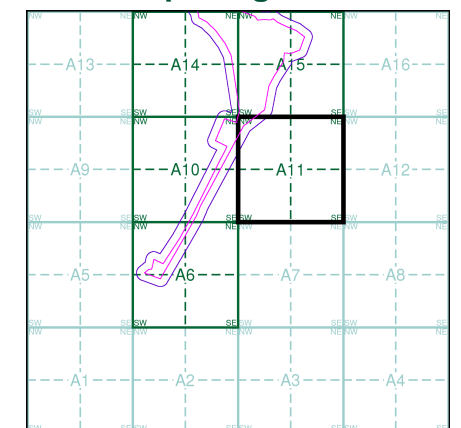
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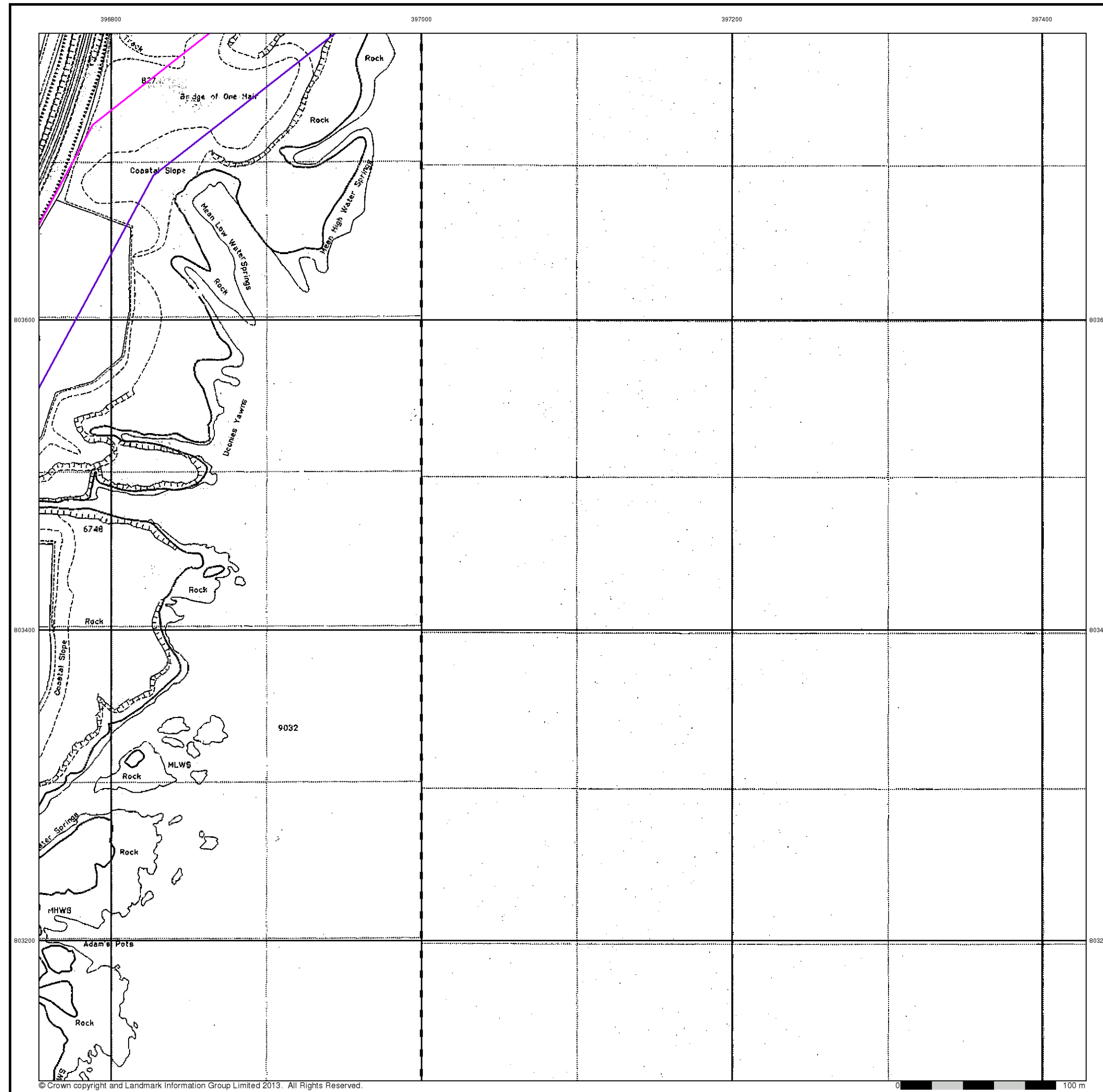
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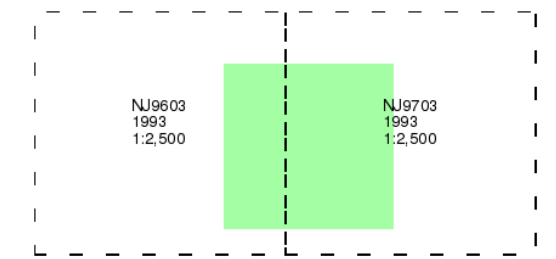
Large-Scale National Grid Data

Published 1993

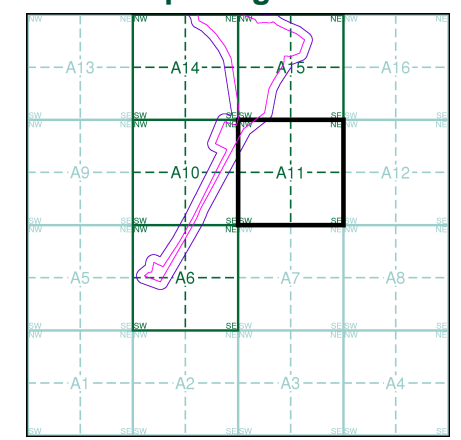
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Historical Mapping Legends

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**
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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
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BP, BS Boundary Post or Stone **PO** Post Office
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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

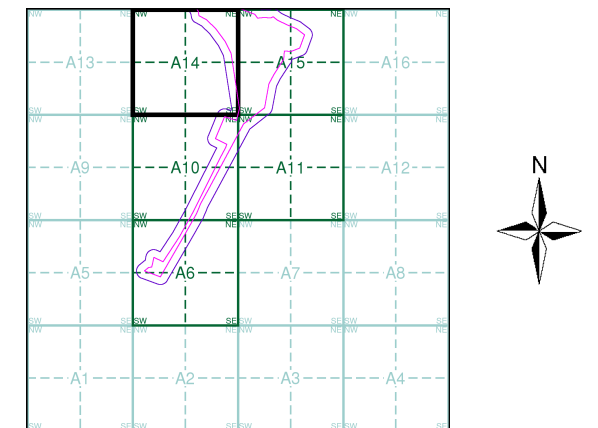
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
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Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
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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
Kincardineshire	1:2,500	1867	2
Aberdeenshire	1:2,500	1892	3
Aberdeenshire	1:2,500	1901	4
Kincardineshire	1:2,500	1903	5
Kincardineshire	1:2,500	1925	6
Aberdeenshire	1:2,500	1926	7
Ordnance Survey Plan	1:2,500	1954 - 1964	8
Ordnance Survey Plan	1:1,250	1955	9
Additional SIMs	1:1,250	1955	10
Ordnance Survey Plan	1:2,500	1982	11
Additional SIMs	1:2,500	1992	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:2,500	1993	14
Additional SIMs	1:1,250	1993	15

Historical Map - Segment A14



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City

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Kincardineshire

Published 1867

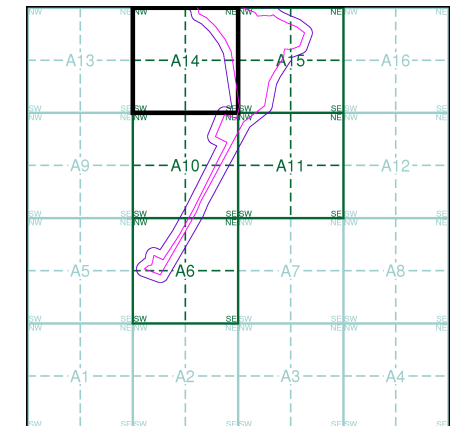
Source map scale - 1:2,500

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)

004_03	1867	1:2,500
004_07	1867	1:2,500

Historical Map - Segment A14



Order Details

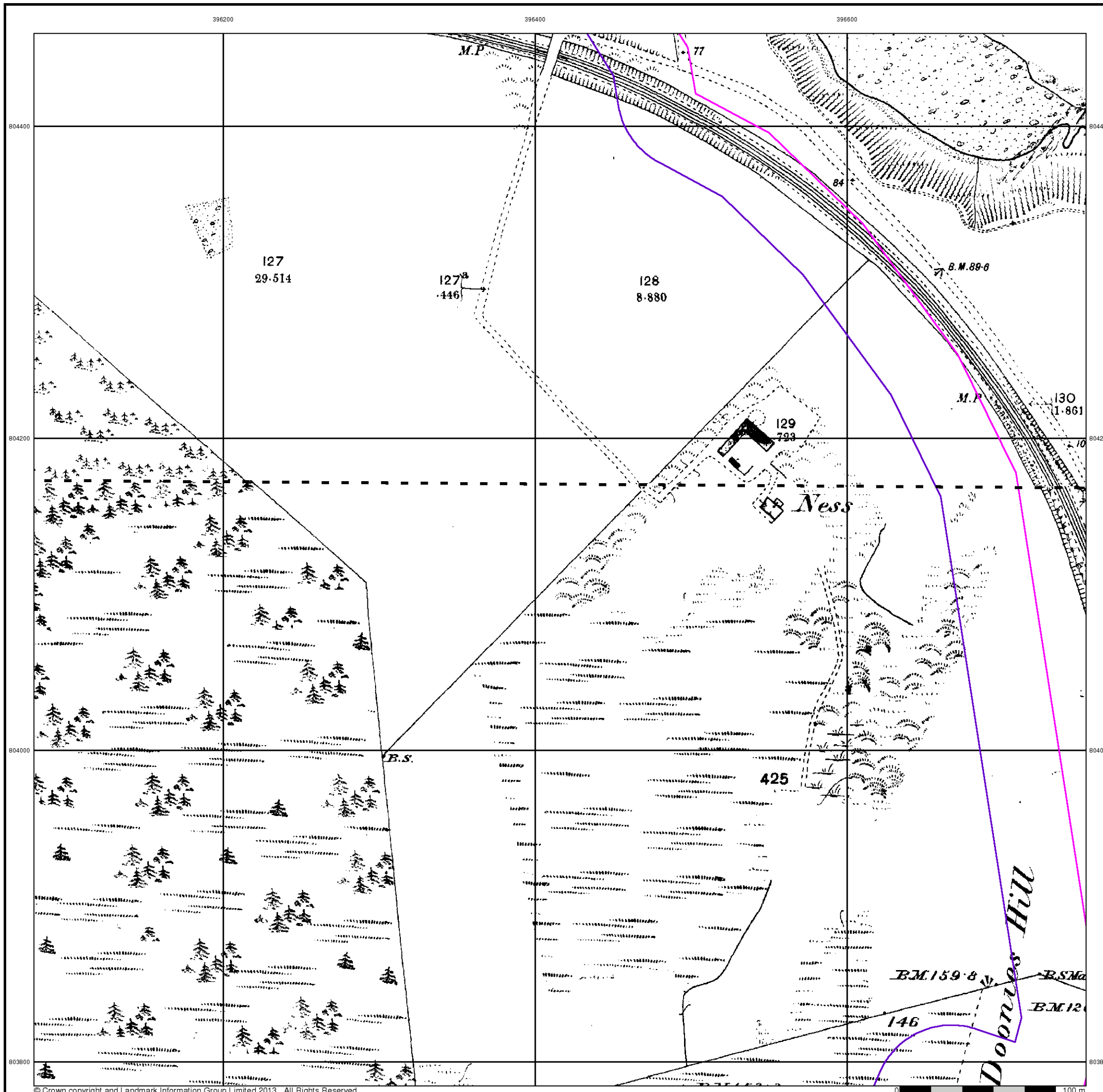
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
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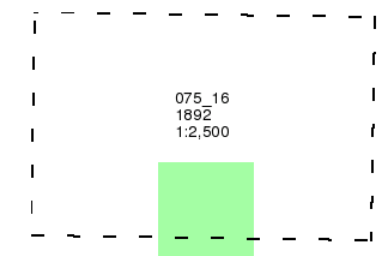
Aberdeenshire

Published 1892

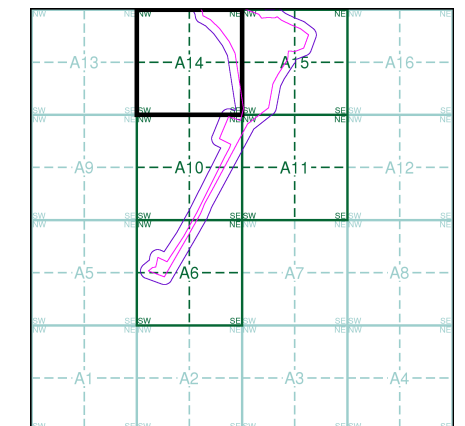
Source map scale - 1:2,500

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 A14



Order Details

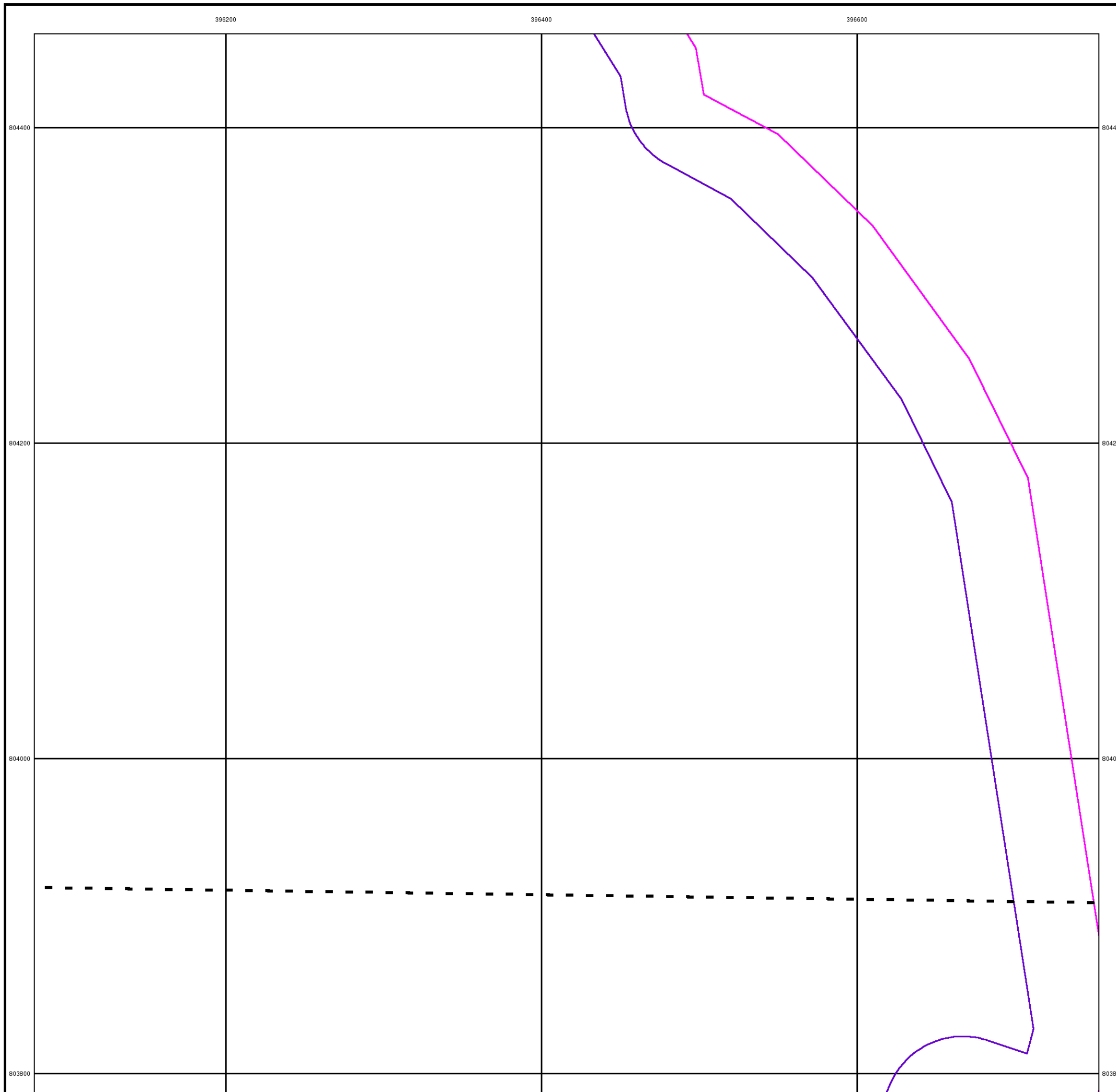
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
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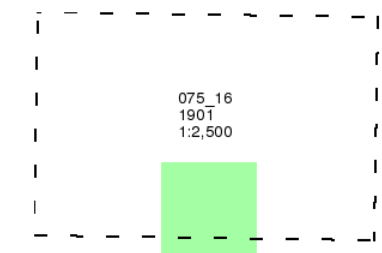
Aberdeenshire

Published 1901

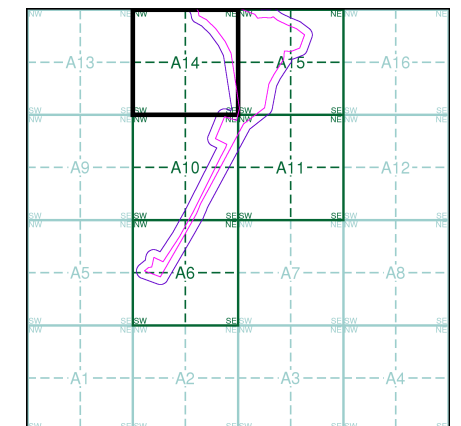
Source map scale - 1:2,500

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 A14



Order Details

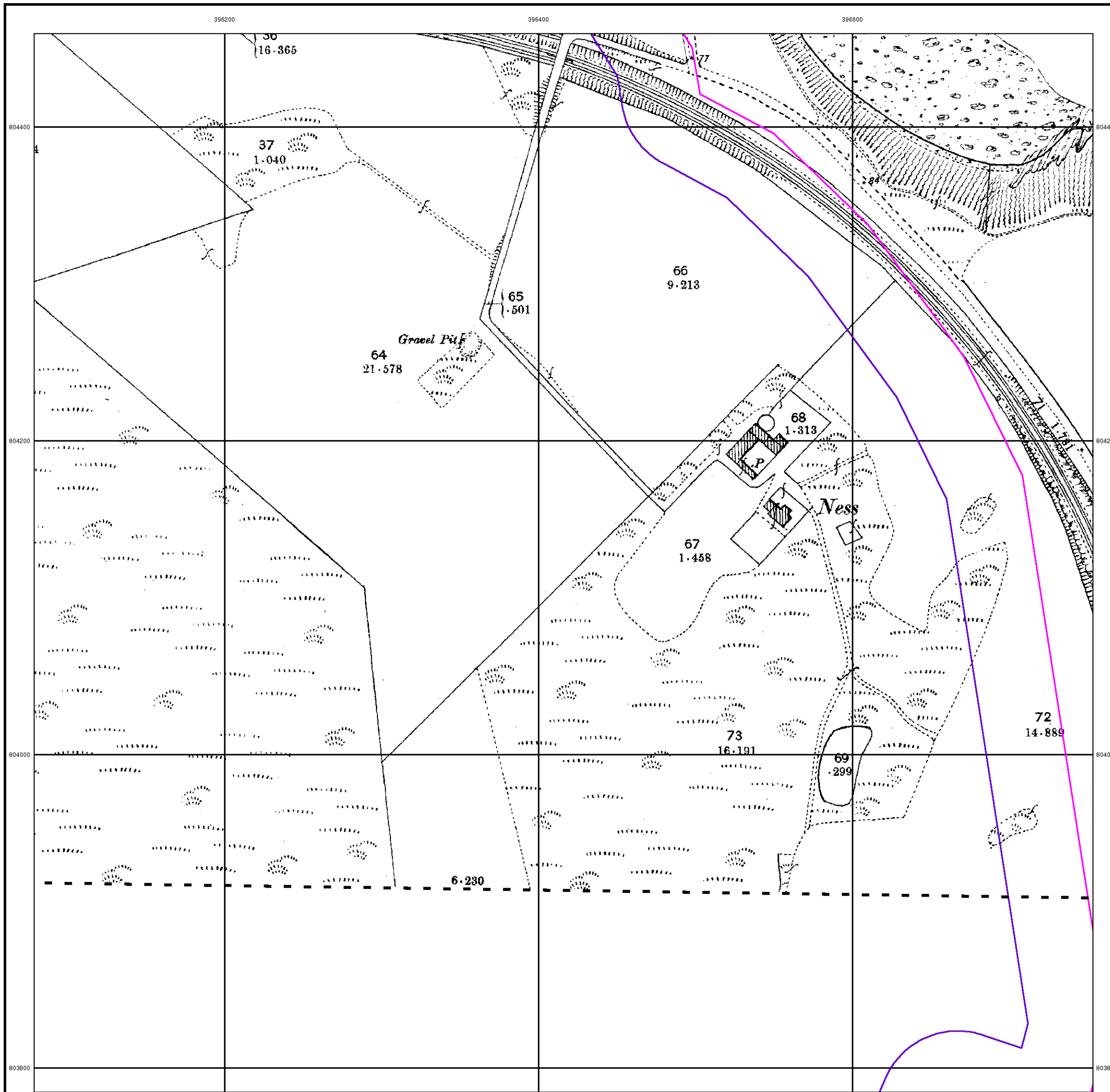
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
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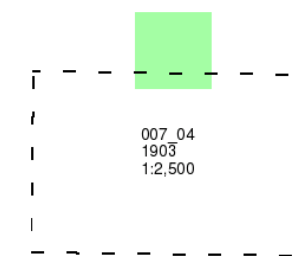
Kincardineshire

Published 1903

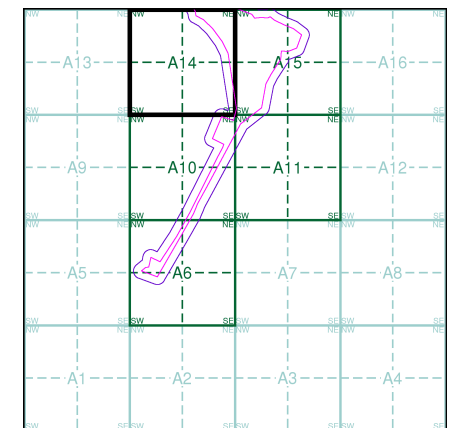
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

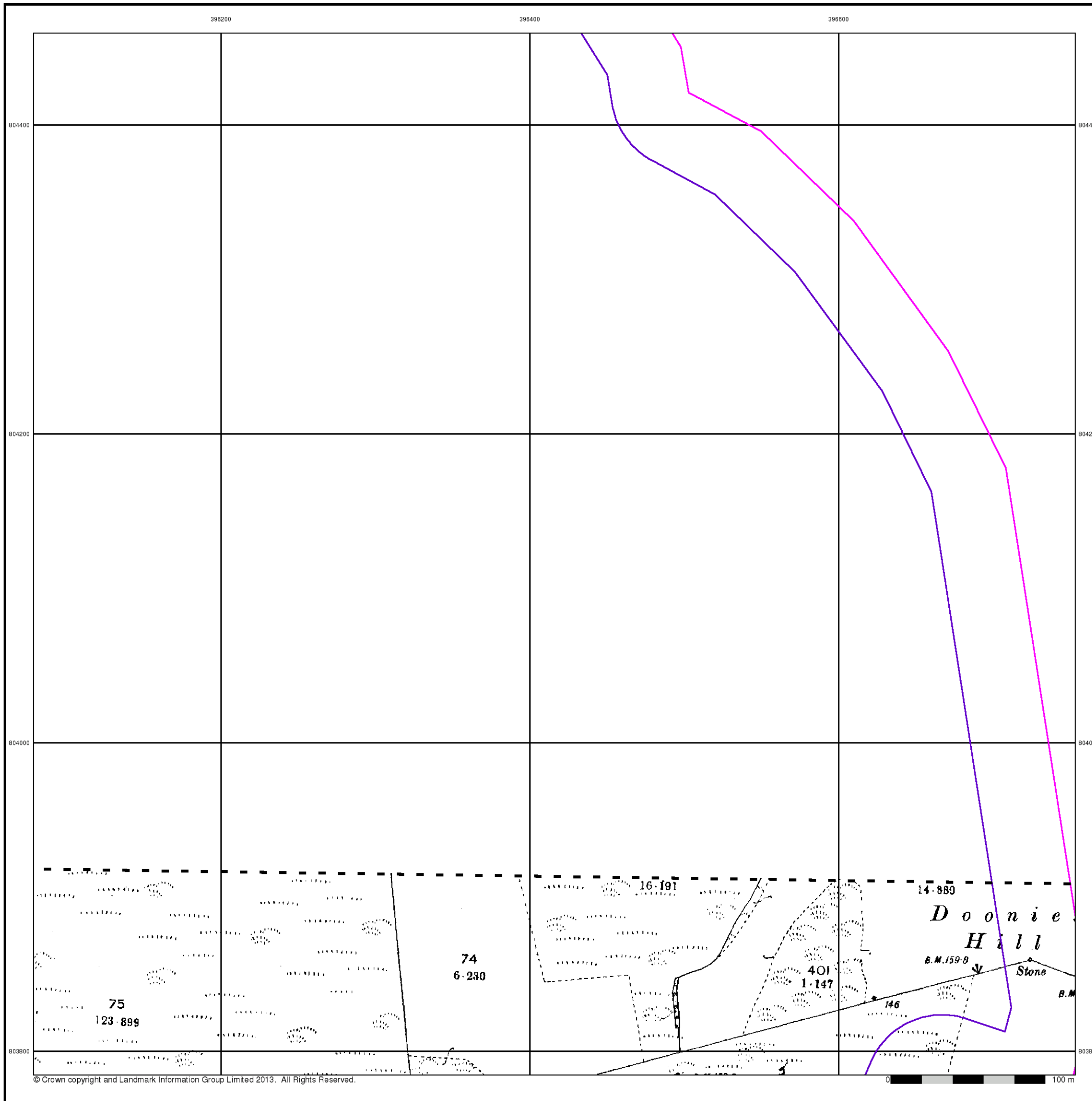
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
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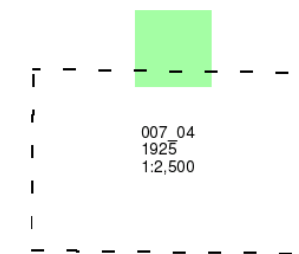
Kincardineshire

Published 1925

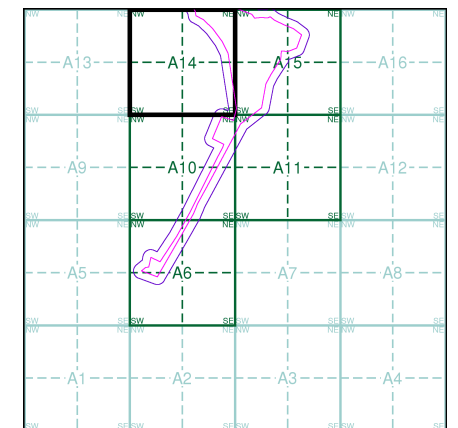
Source map scale - 1:2,500

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 A14



Order Details

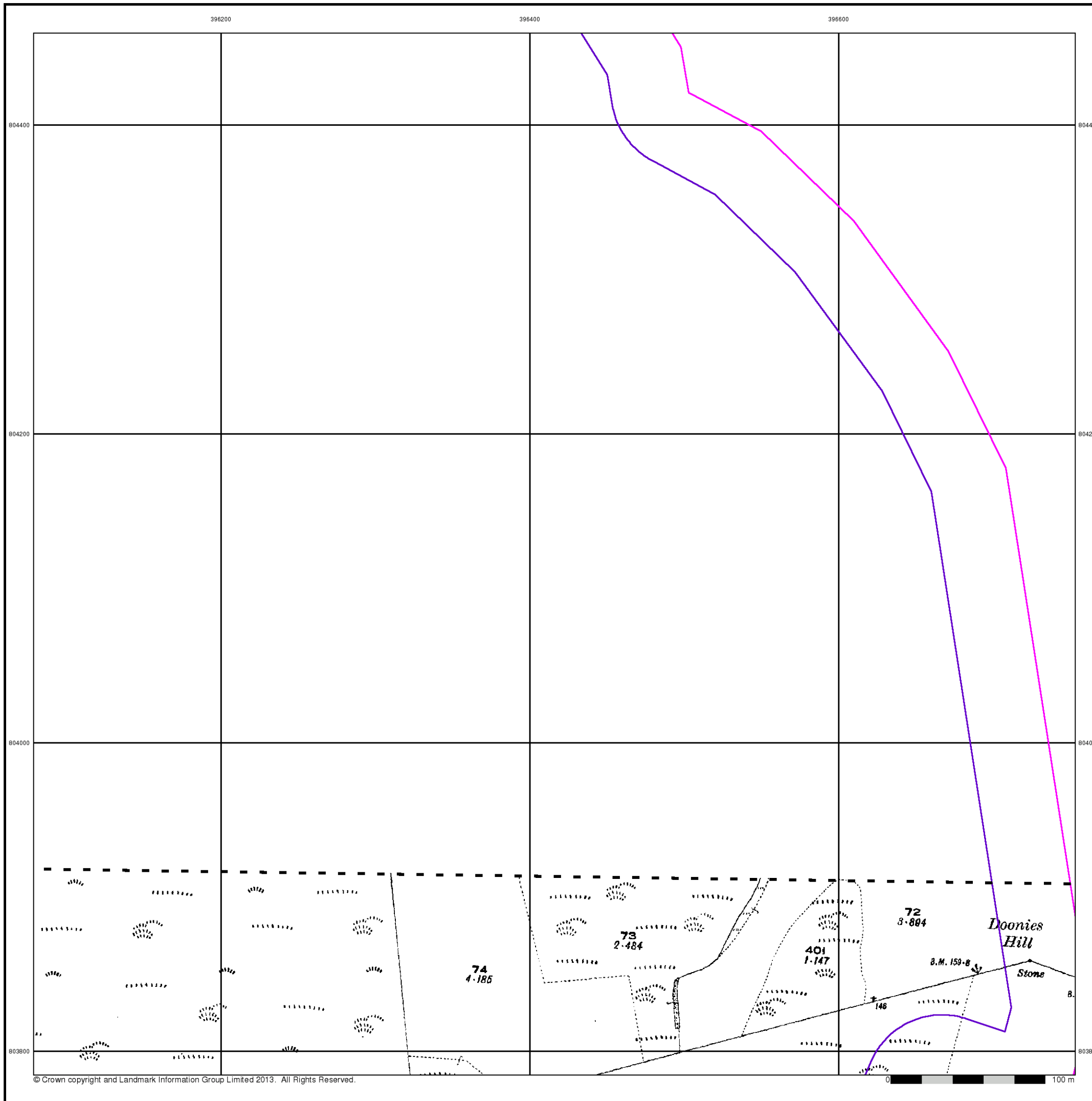
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 50

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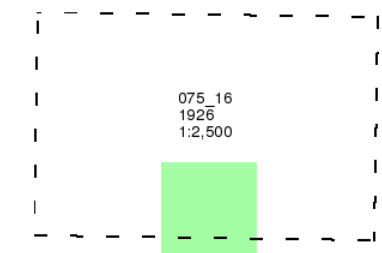
Aberdeenshire

Published 1926

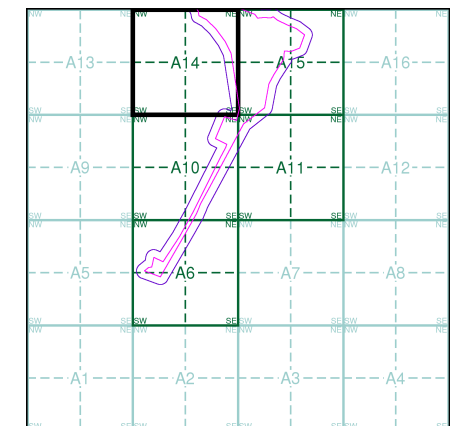
Source map scale - 1:2,500

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 A14



Order Details

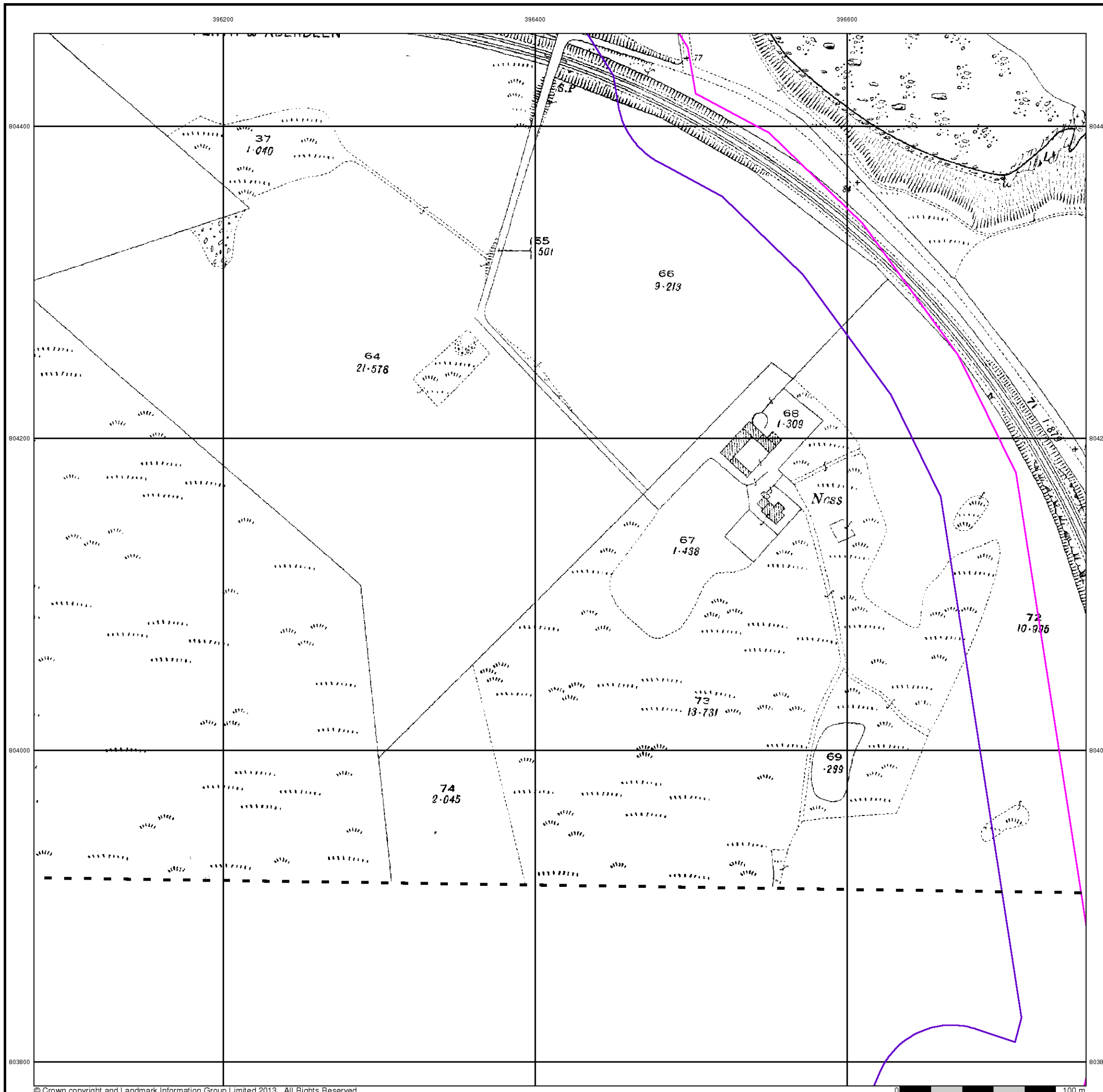
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Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Ordnance Survey Plan

Published 1954 - 1964

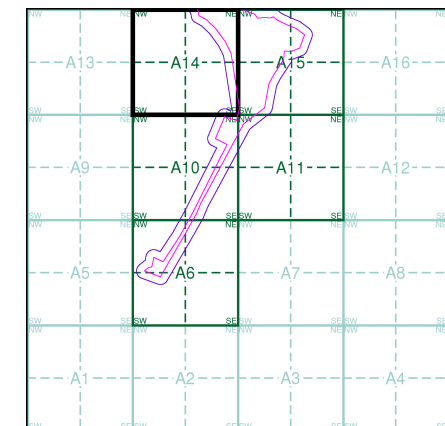
Source map scale - 1:2,500

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)

NJ9604
1954
1:2,500
NJ9603
1964
1:2,500

Historical Map - Segment A14



Order Details

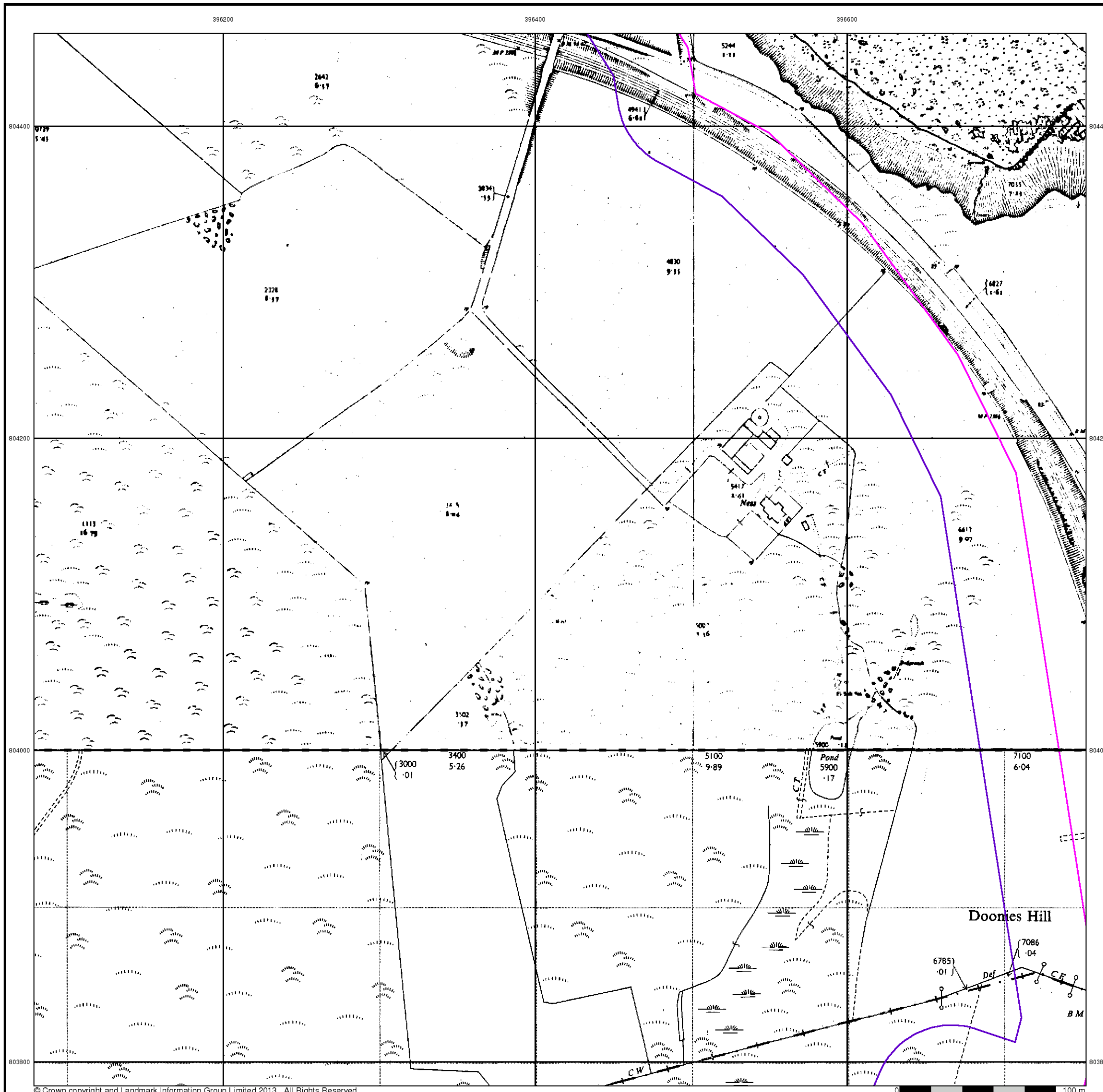
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

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Ordnance Survey Plan

Published 1955

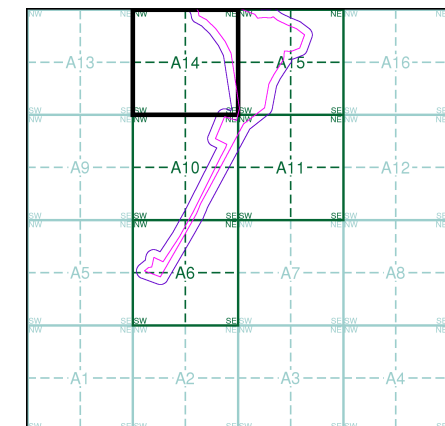
Source map scale - 1:1,250

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)

NJ9604SW 1955 1:1,250	NJ9604SE 1955 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A14



Order Details

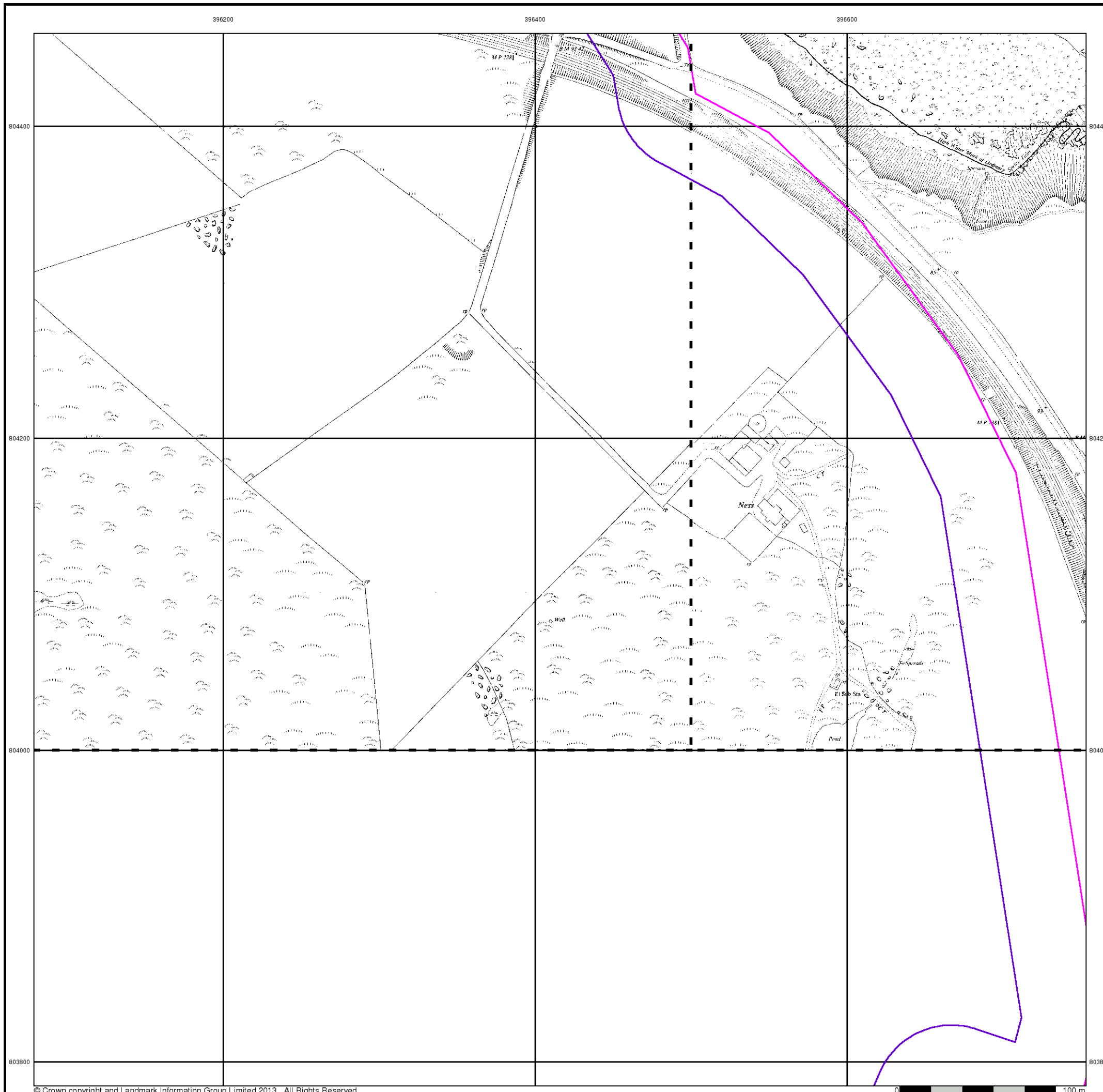
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Additional SIMs

Published 1955

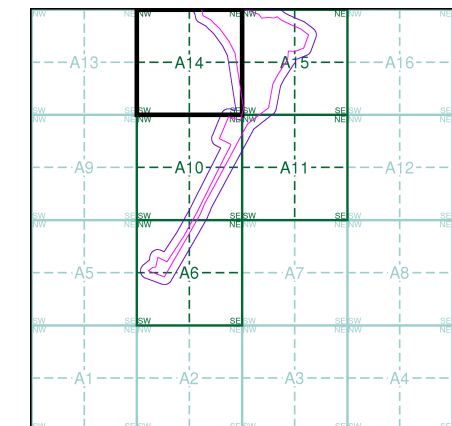
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9604SW 1955 1:1,250	NJ9604SE 1955 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A14



Order Details

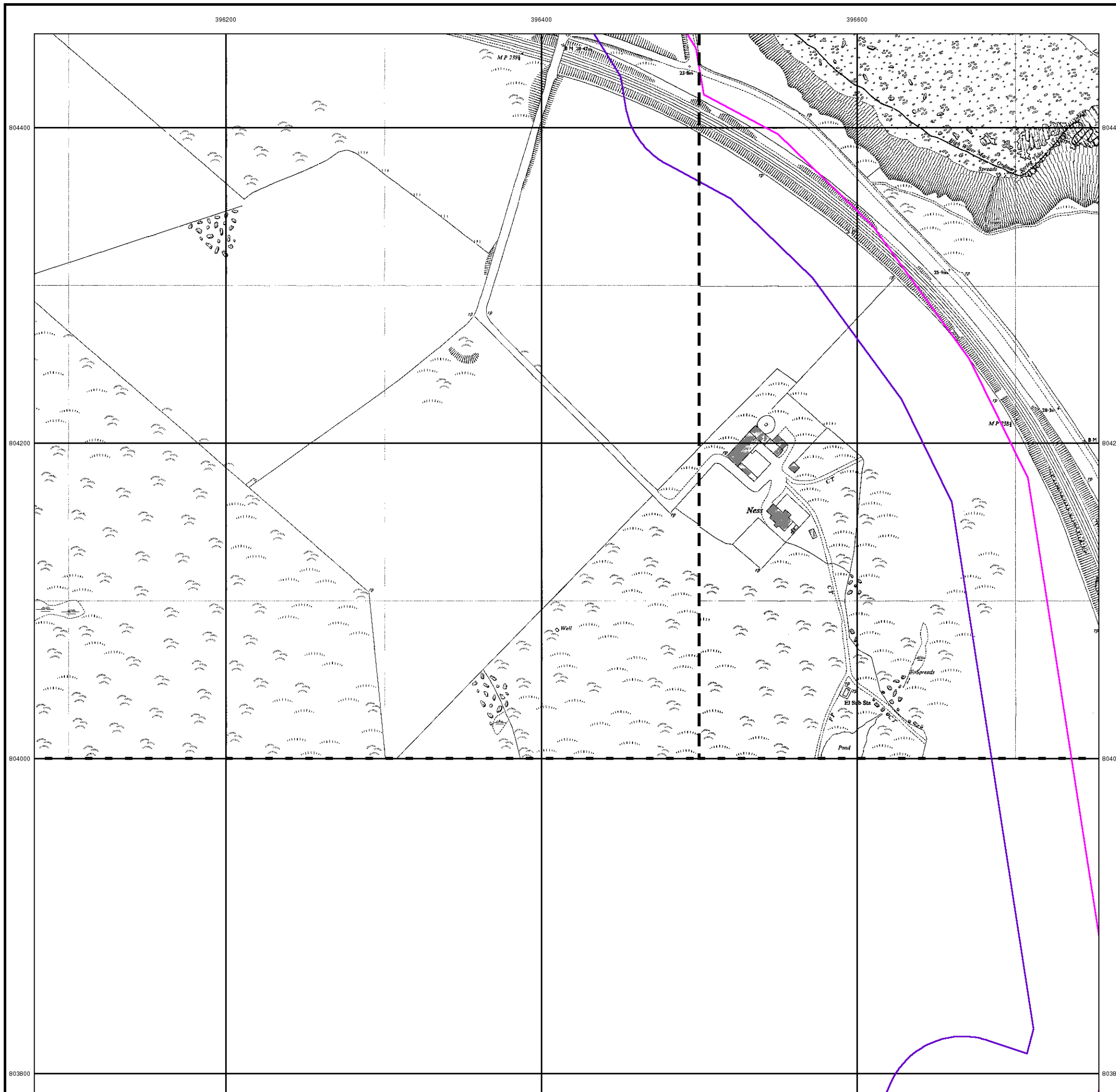
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
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 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

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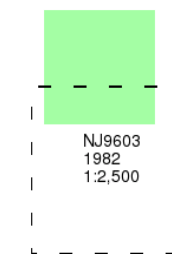
Ordnance Survey Plan

Published 1982

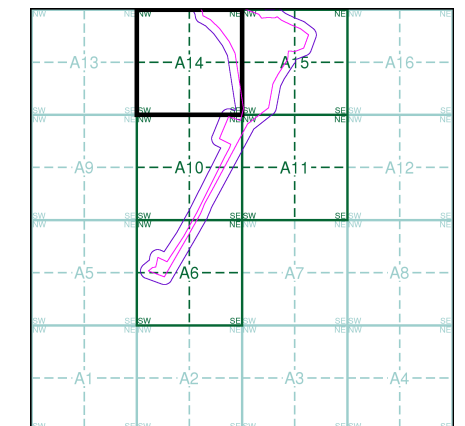
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

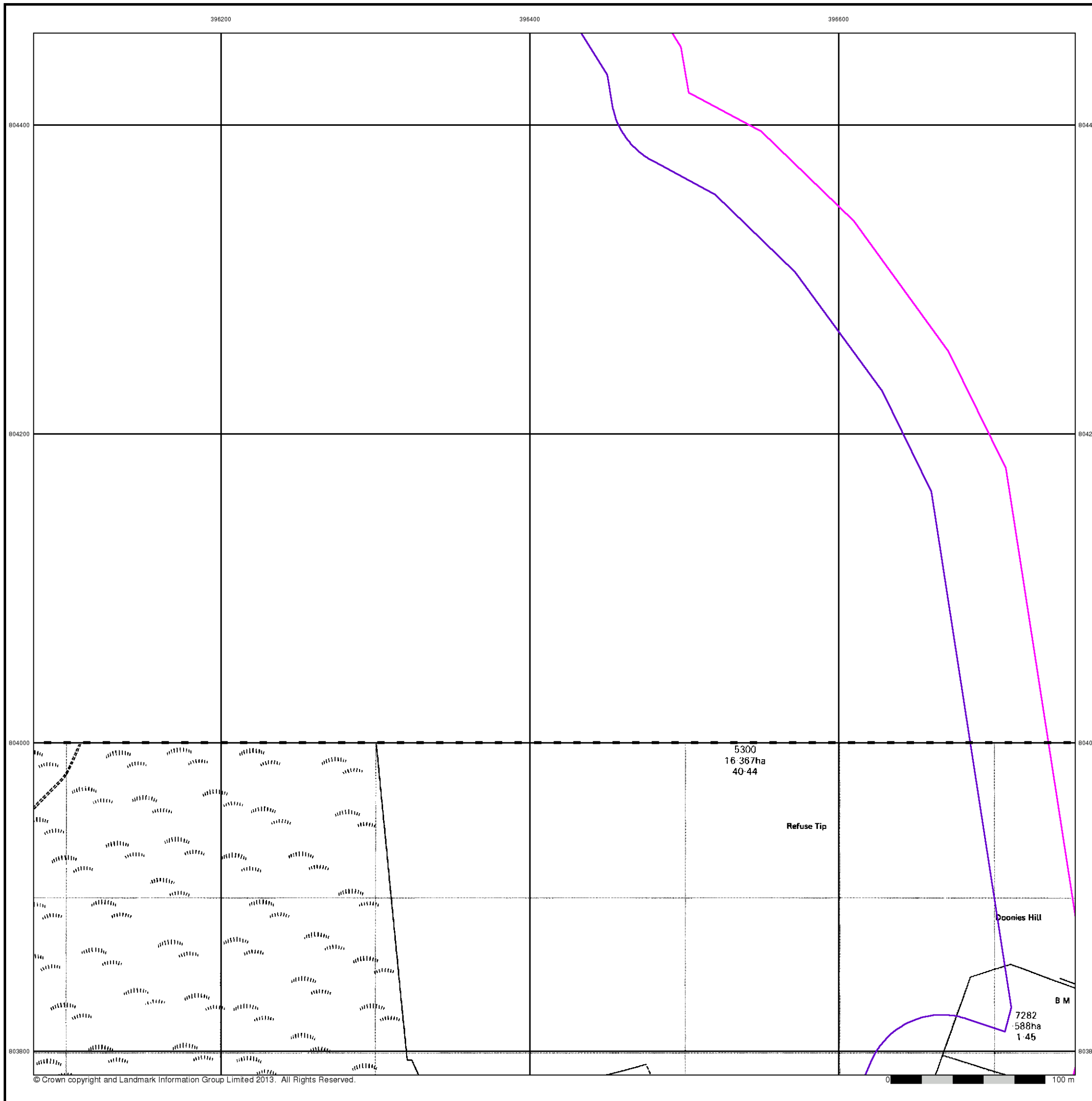
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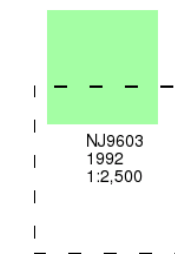
Additional SIMs

Published 1992

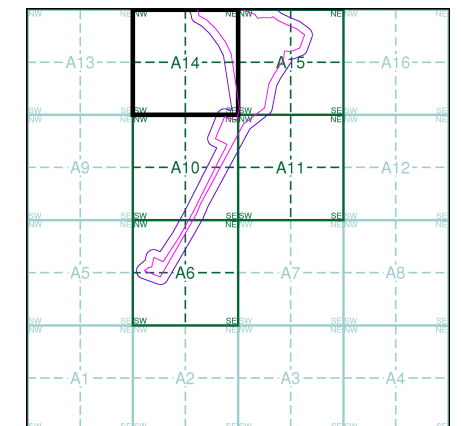
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

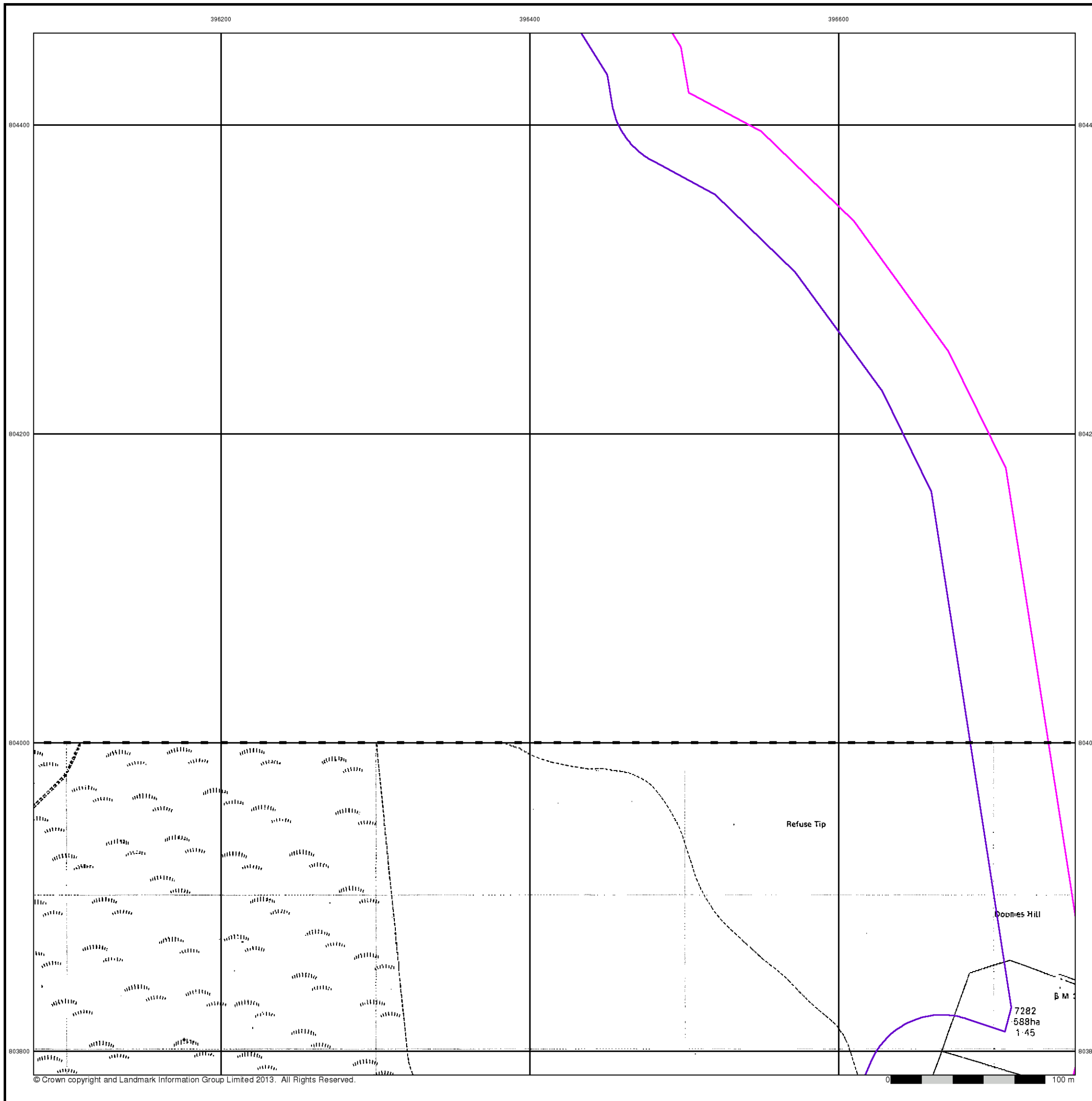
Order Number: 55426788_1_1
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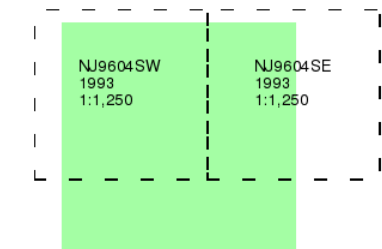
Large-Scale National Grid Data

Published 1993

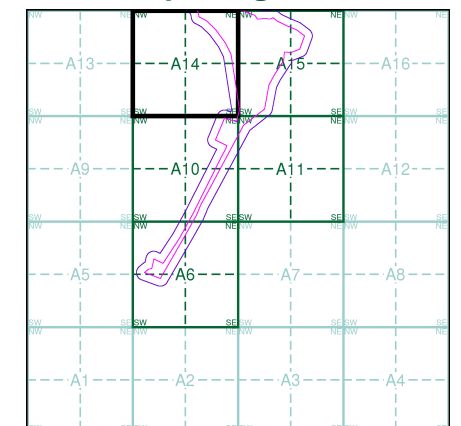
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

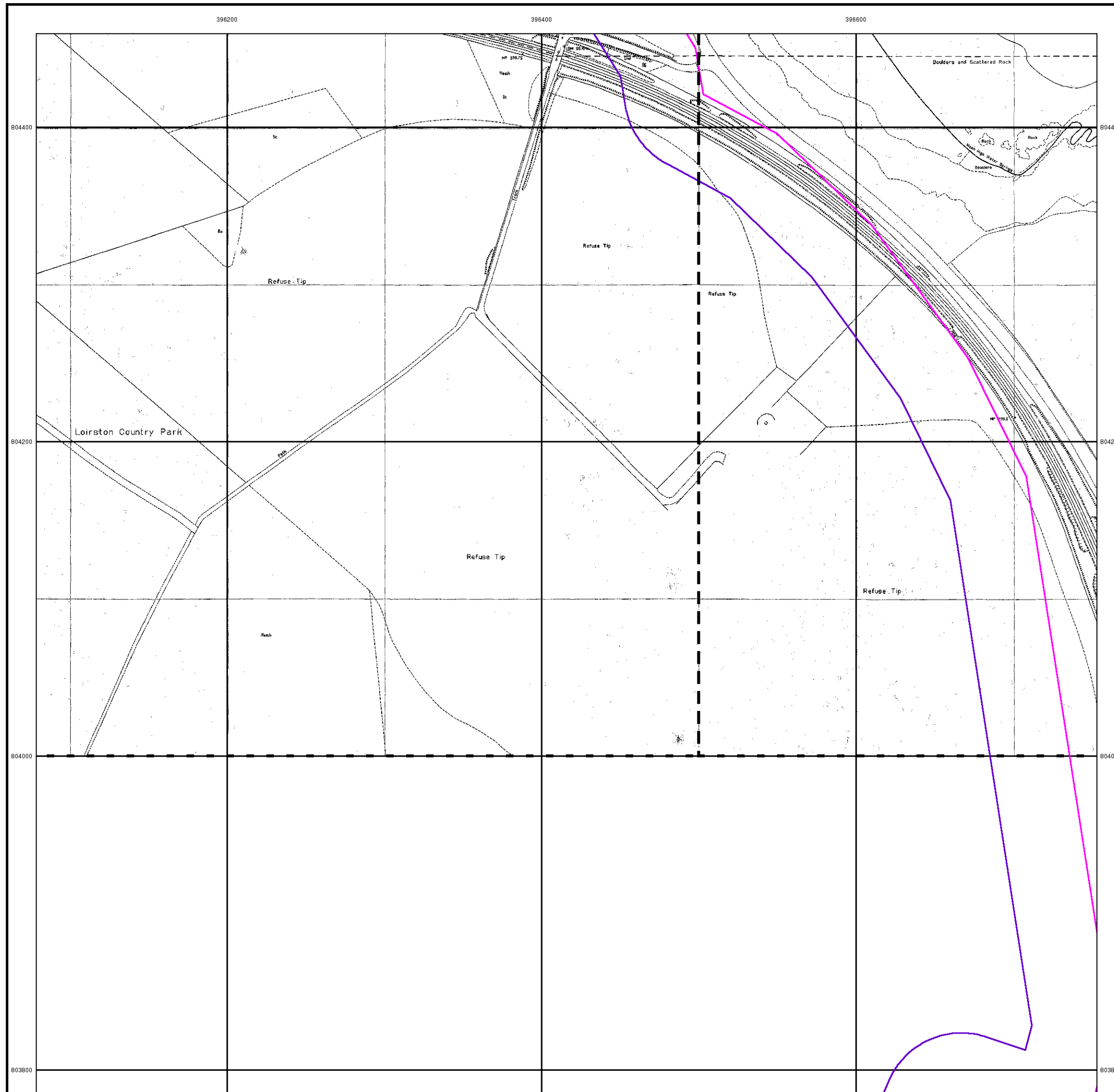
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
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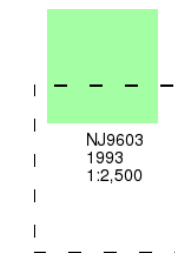
Large-Scale National Grid Data

Published 1993

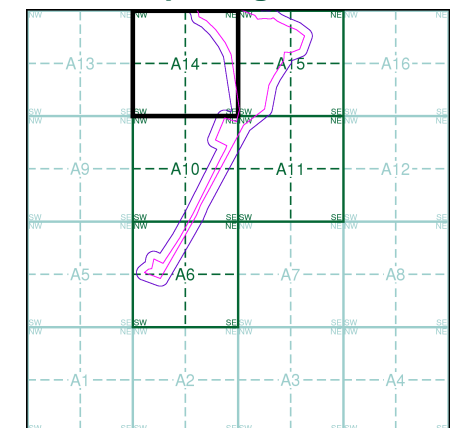
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

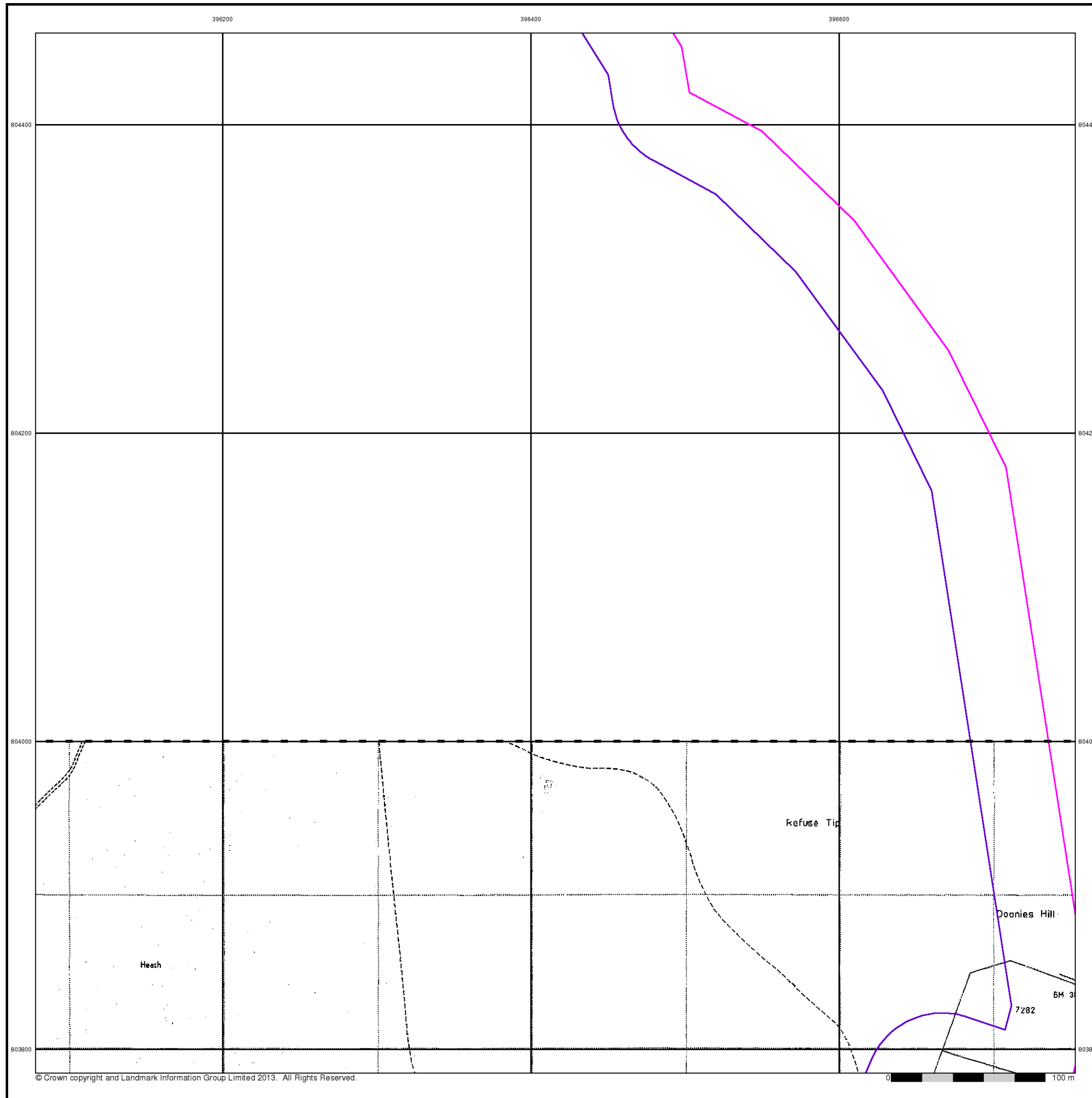
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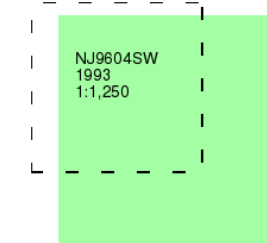
Additional SIMs

Published 1993

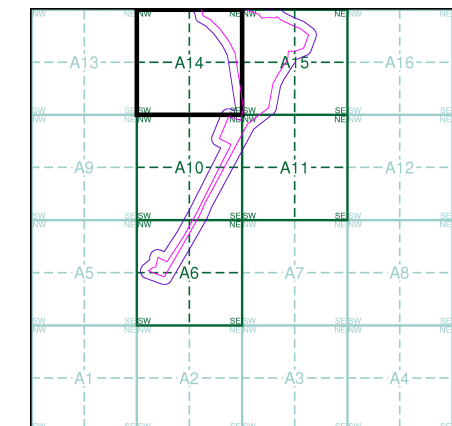
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

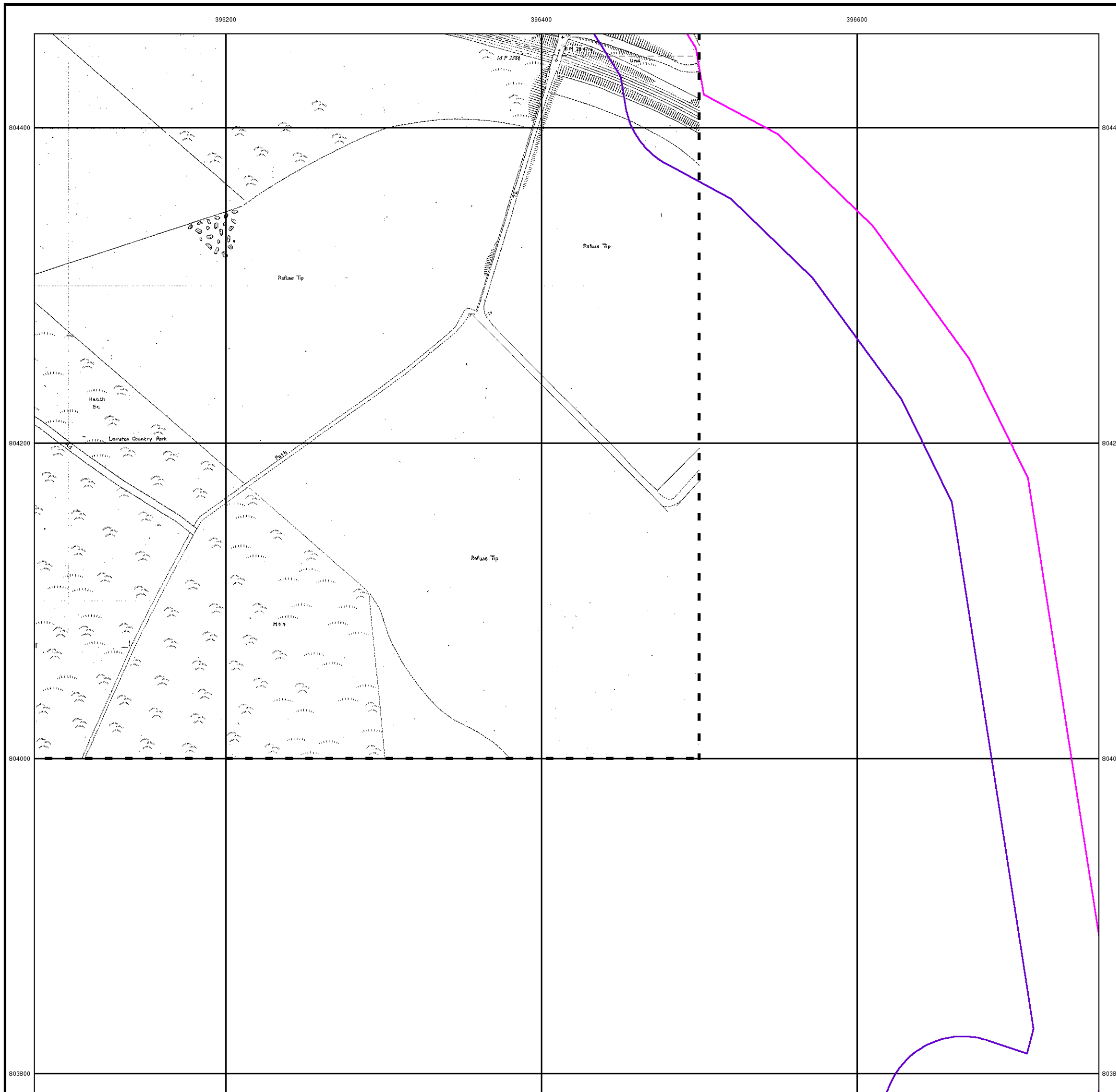
Order Number: 55426788_1_1
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Historical Mapping Legends

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

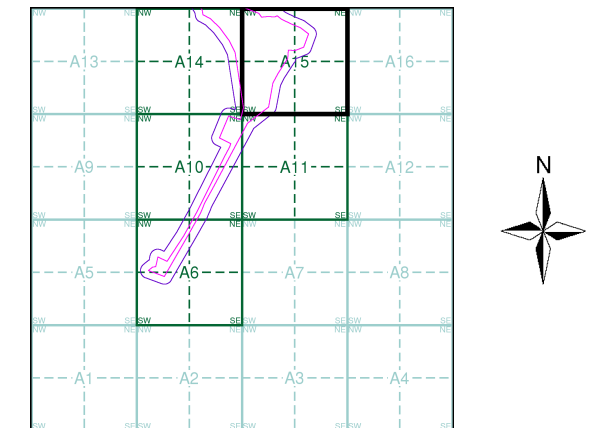
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Aberdeenshire	1:2,500	1892	3
Aberdeenshire	1:2,500	1901	4
Kincardineshire	1:2,500	1903	5
Kincardineshire	1:2,500	1925	6
Aberdeenshire	1:2,500	1926	7
Ordnance Survey Plan	1:2,500	1954 - 1964	8
Ordnance Survey Plan	1:1,250	1955 - 1975	9
Additional SIMs	1:1,250	1955	10
Ordnance Survey Plan	1:2,500	1982	11
Additional SIMs	1:2,500	1992	12
Large-Scale National Grid Data	1:2,500	1993	13
Large-Scale National Grid Data	1:1,250	1993	14

Historical Map - Segment A15



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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 Web: www.envirocheck.co.uk



Kincardineshire

Published 1867

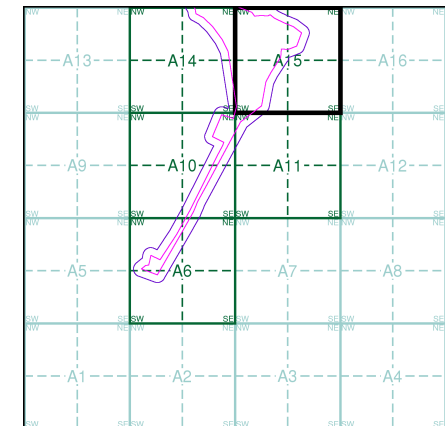
Source map scale - 1:2,500

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)

004_03 1867 1:2,500	004_04 1867 1:2,500
004_07 1867 1:2,500	004_08 1867 1:2,500

Historical Map - Segment A15



Order Details

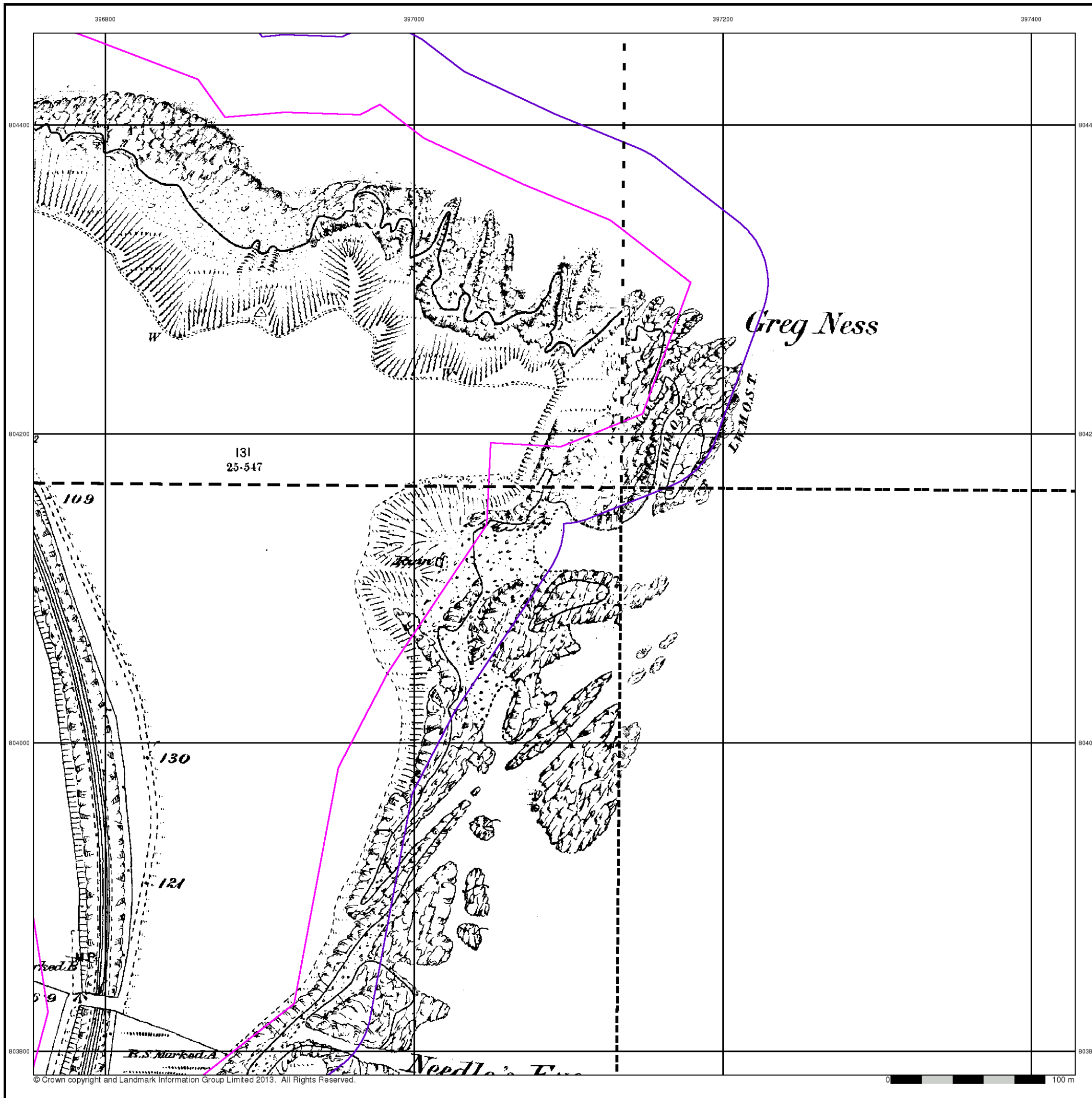
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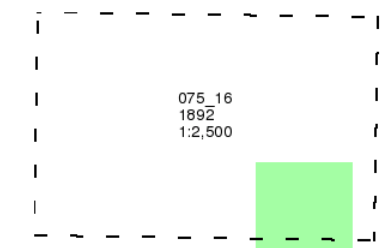
Aberdeenshire

Published 1892

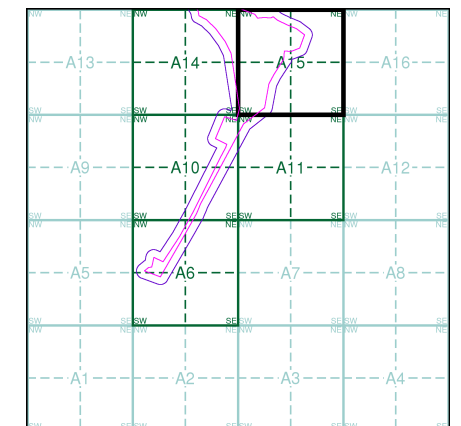
Source map scale - 1:2,500

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 A15



Order Details

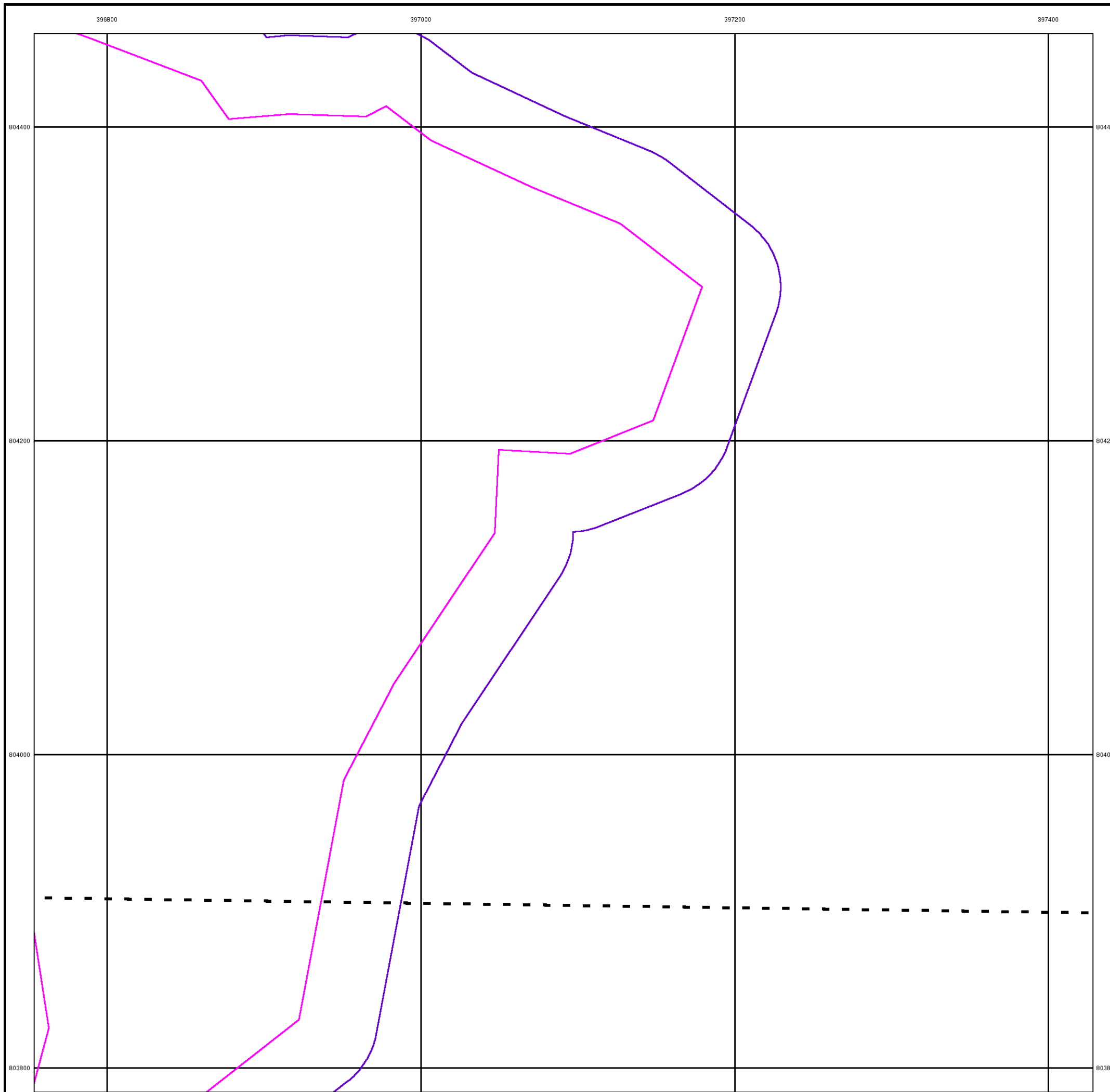
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National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 50

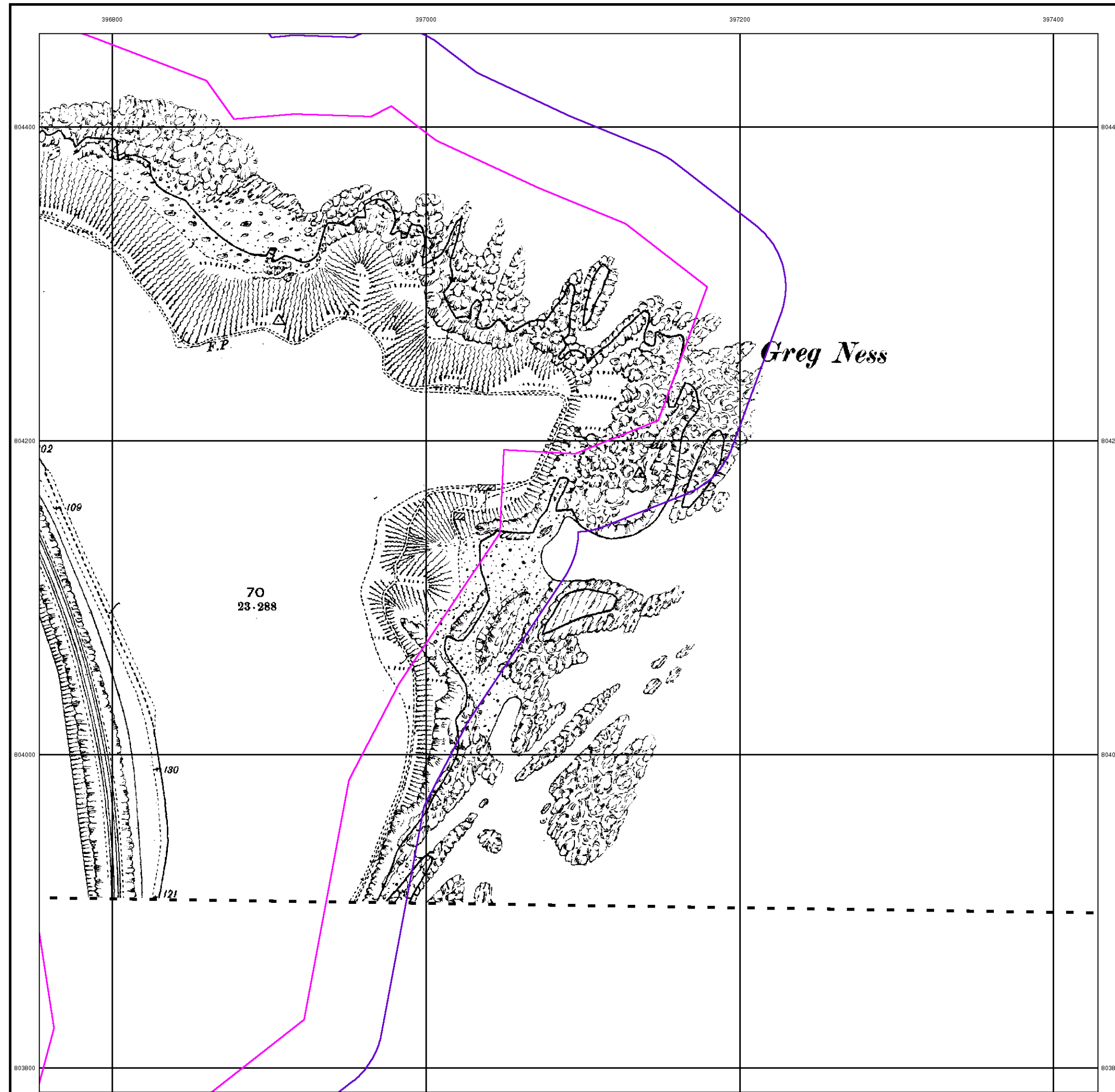
Site Details

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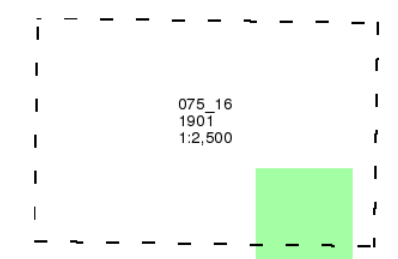
Aberdeenshire

Published 1901

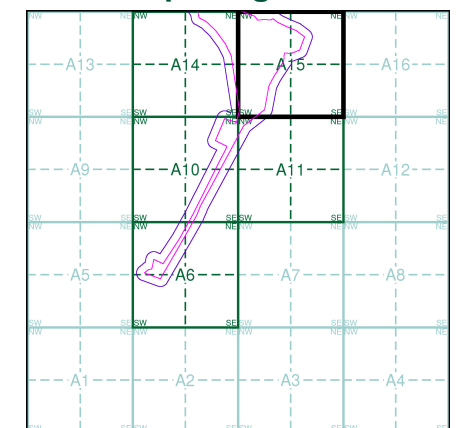
Source map scale - 1:2,500

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 A15



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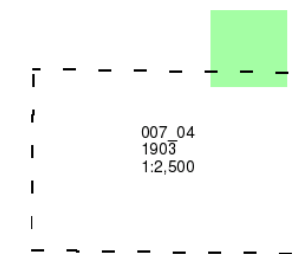
Kincardineshire

Published 1903

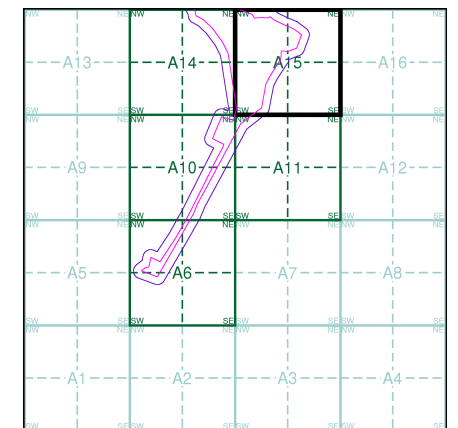
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

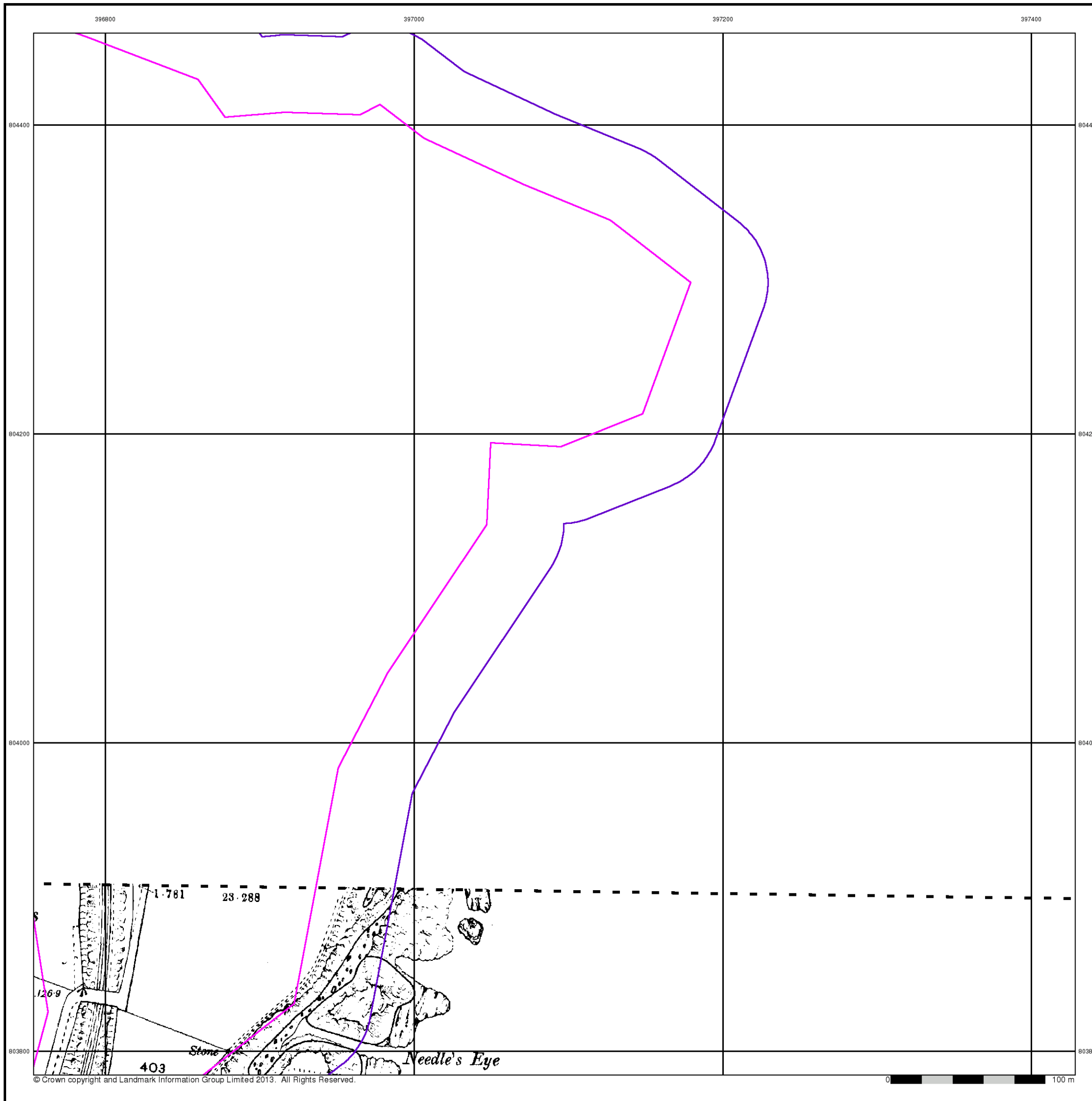
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Customer Ref: EED14221-100
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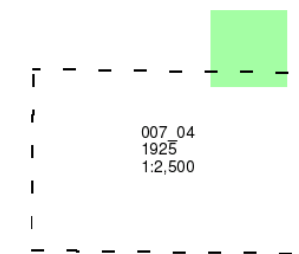
Kincardineshire

Published 1925

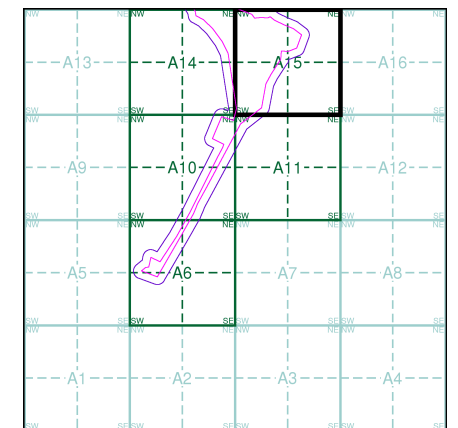
Source map scale - 1:2,500

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 A15



Order Details

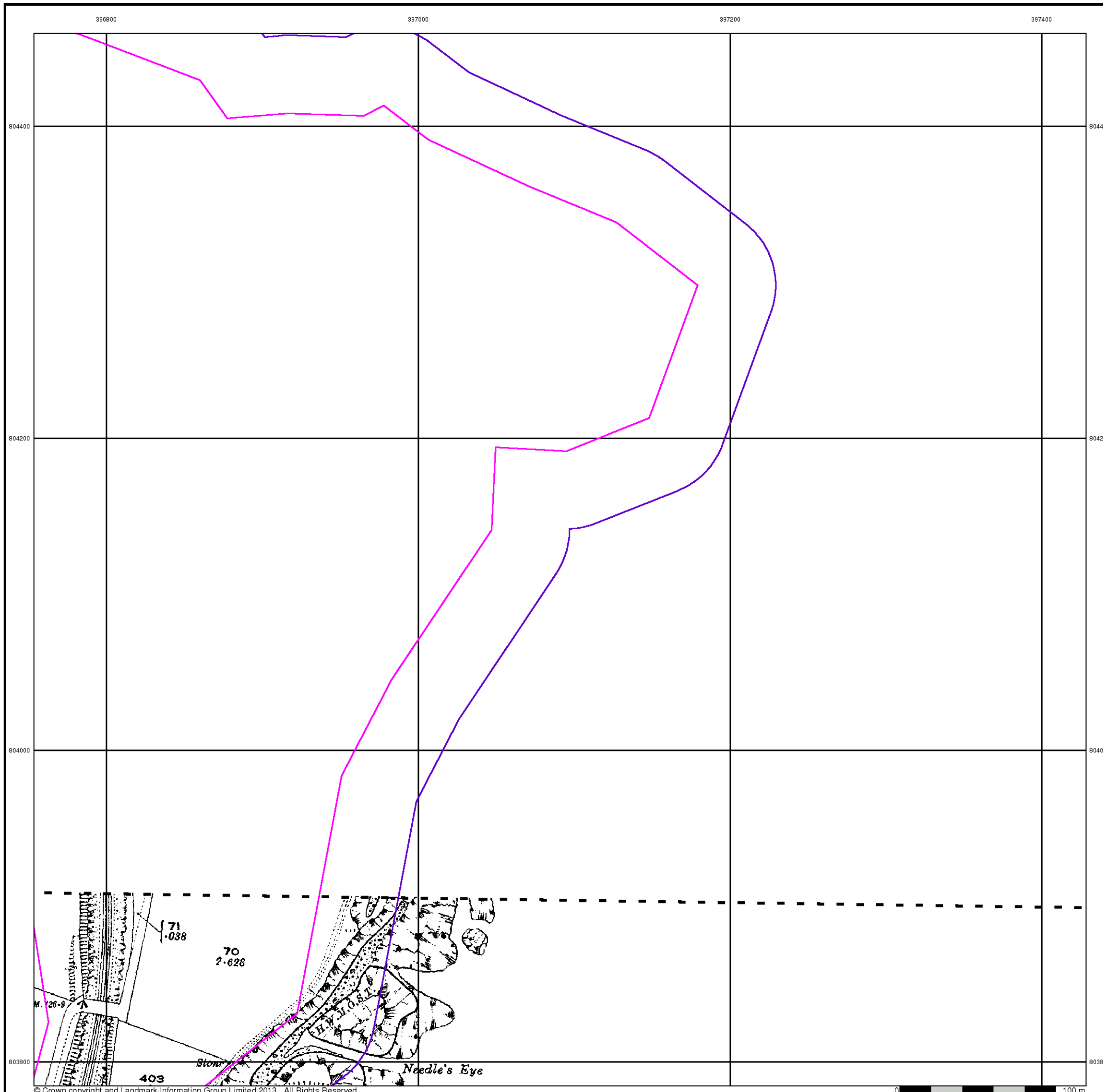
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
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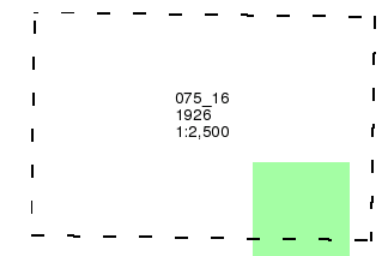
Aberdeenshire

Published 1926

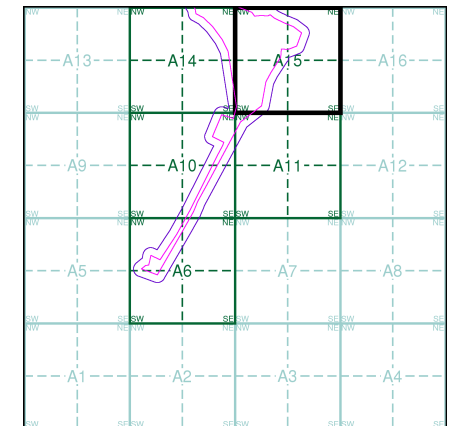
Source map scale - 1:2,500

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 A15



Order Details

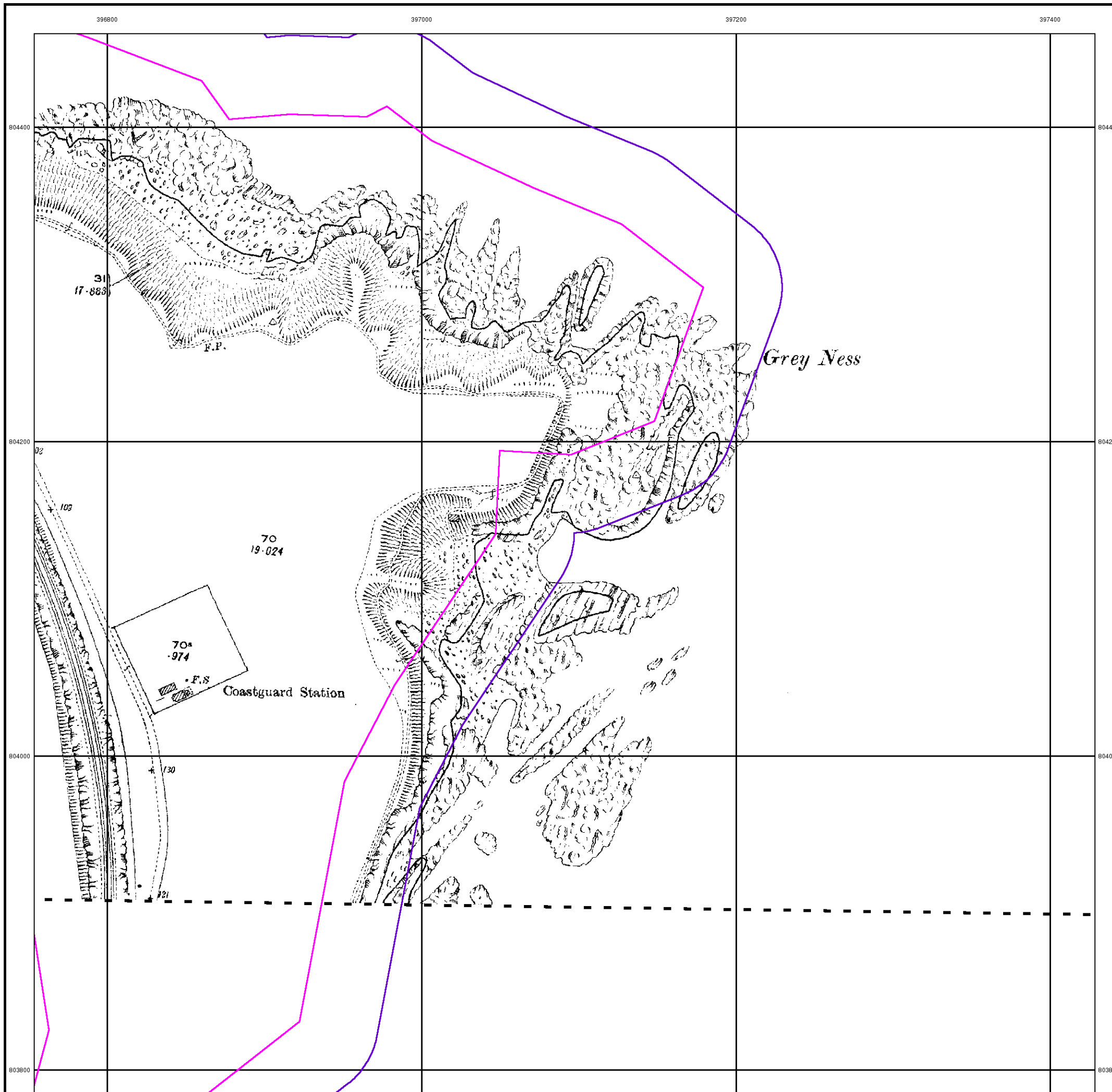
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Customer Ref: EED14221-100
National Grid Reference: 396600, 803480
Slice: A
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Ordnance Survey Plan

Published 1954 - 1964

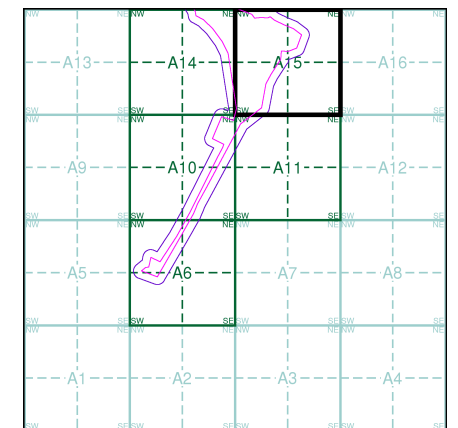
Source map scale - 1:2,500

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)

NJ9604 1954 1:2,500	NJ9704 1955 1:2,500
NJ9603 1964 1:2,500	NJ9703 1964 1:2,500

Historical Map - Segment A15



Order Details

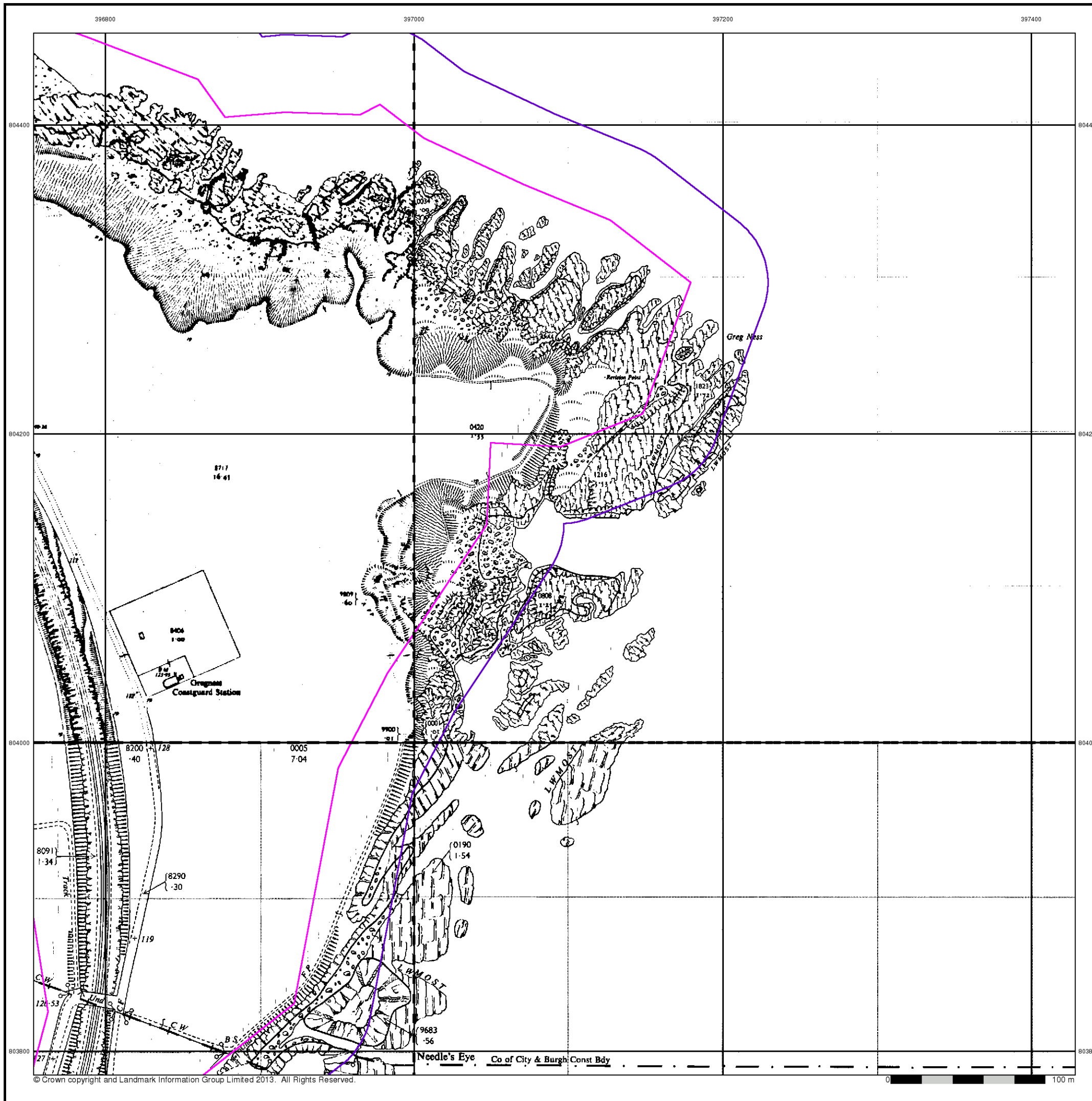
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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Ordnance Survey Plan

Published 1955 - 1975

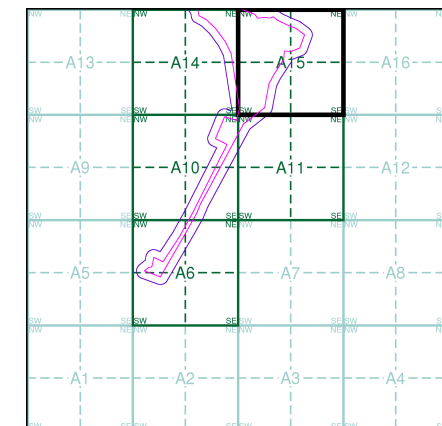
Source map scale - 1:1,250

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)

NJ9604SE 1955 1:1,250	NJ9704SW 1975 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A15



Order Details

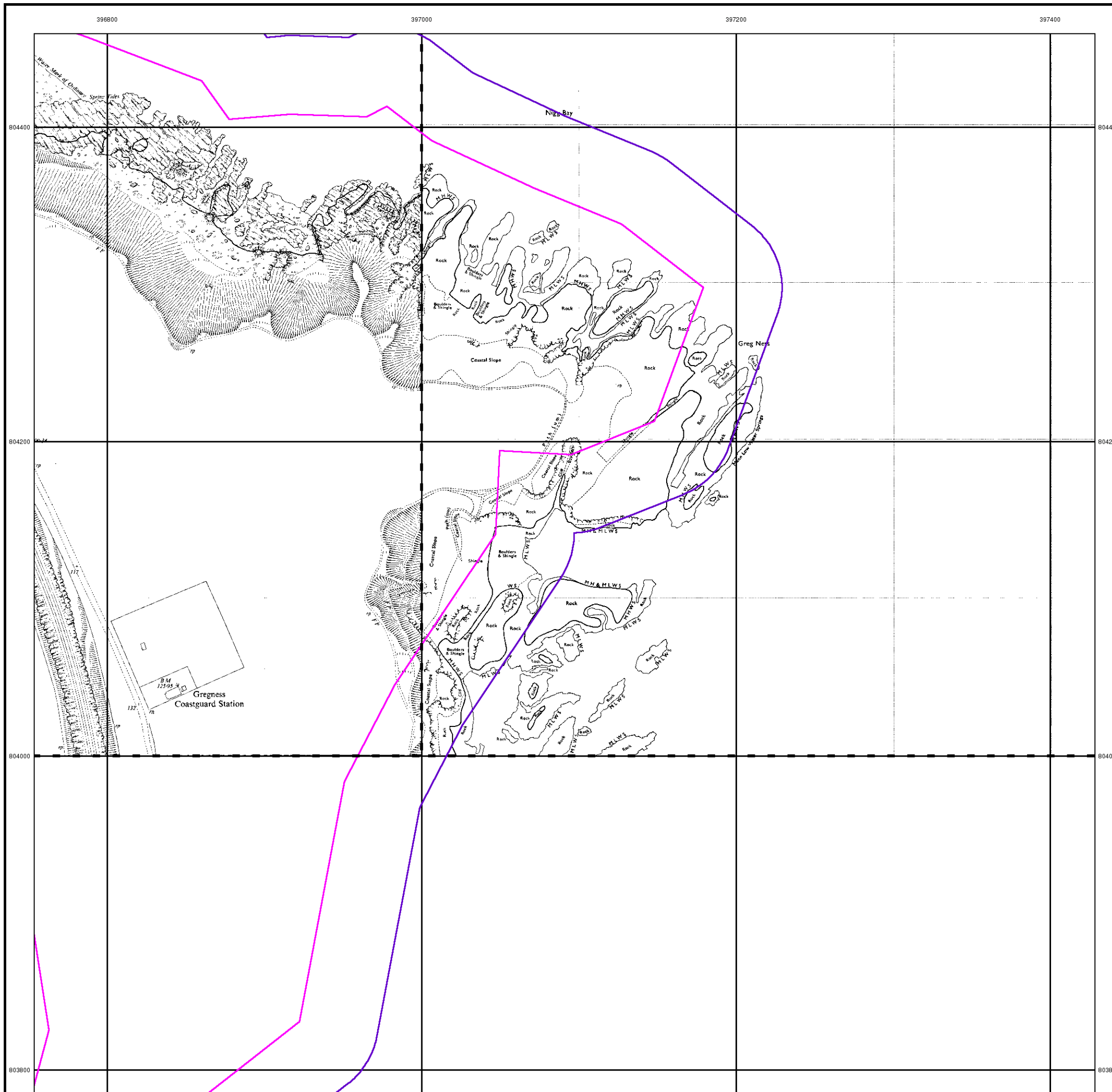
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

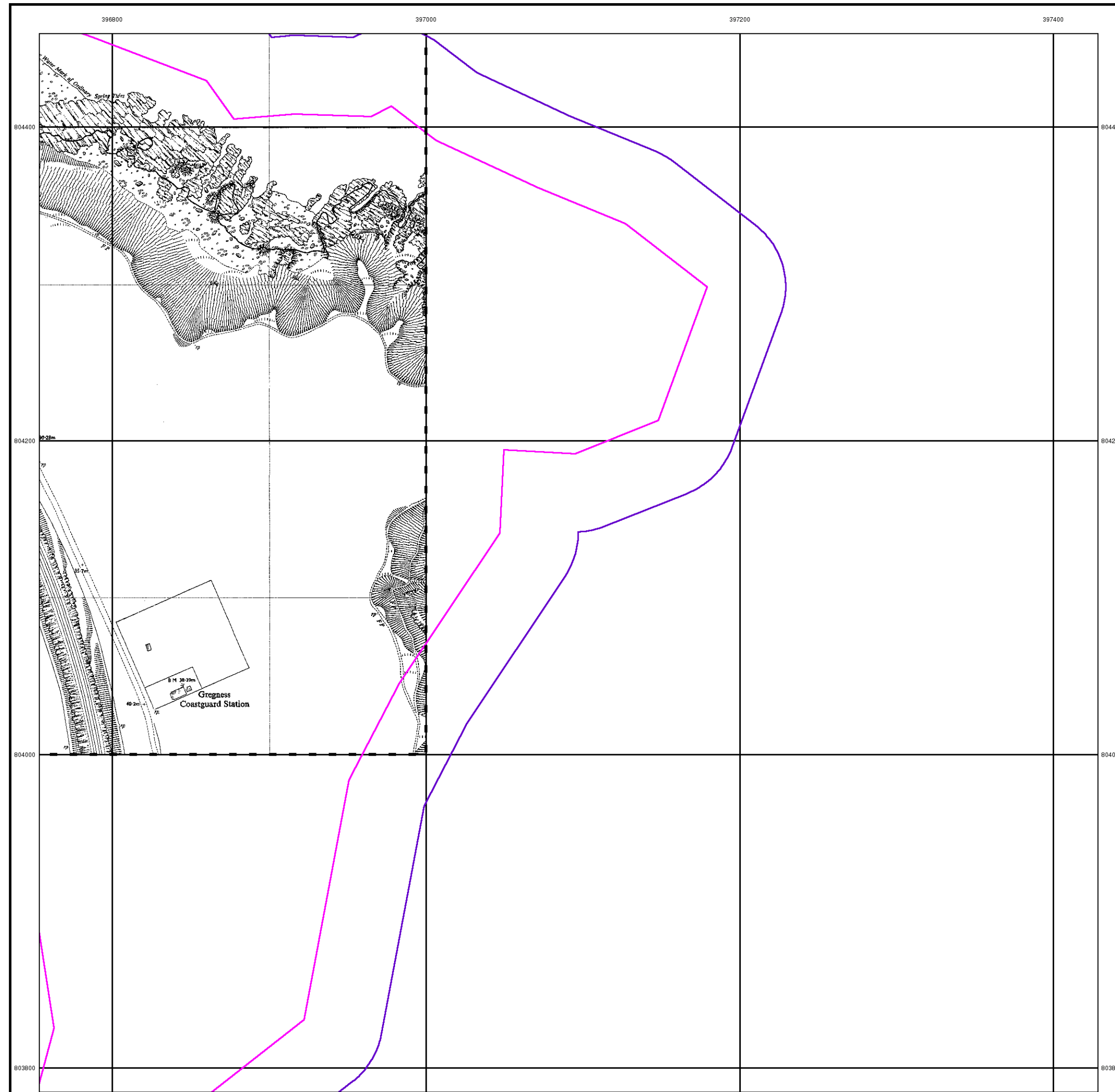
Site Details

Site at, Nigg Bay, Aberdeen City



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





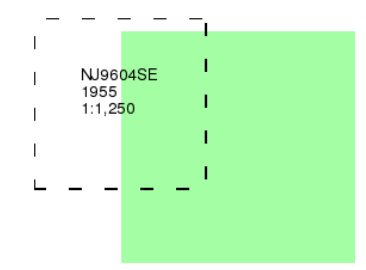
Additional SIMs

Published 1955

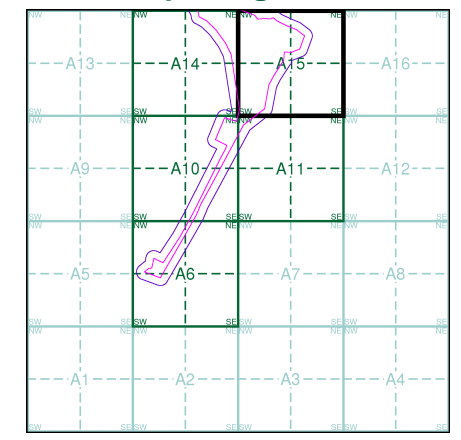
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396600, 803480
 Slice: A
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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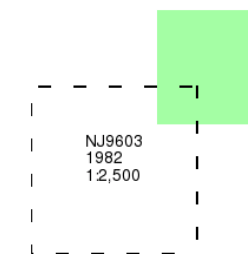
Ordnance Survey Plan

Published 1982

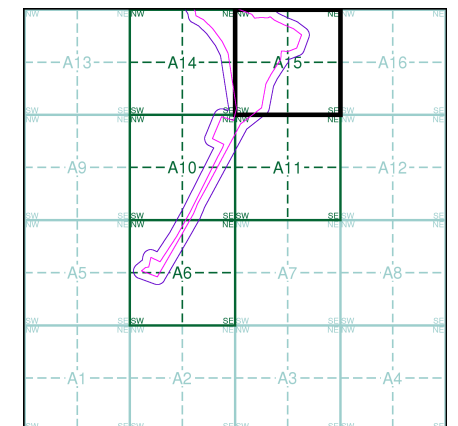
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

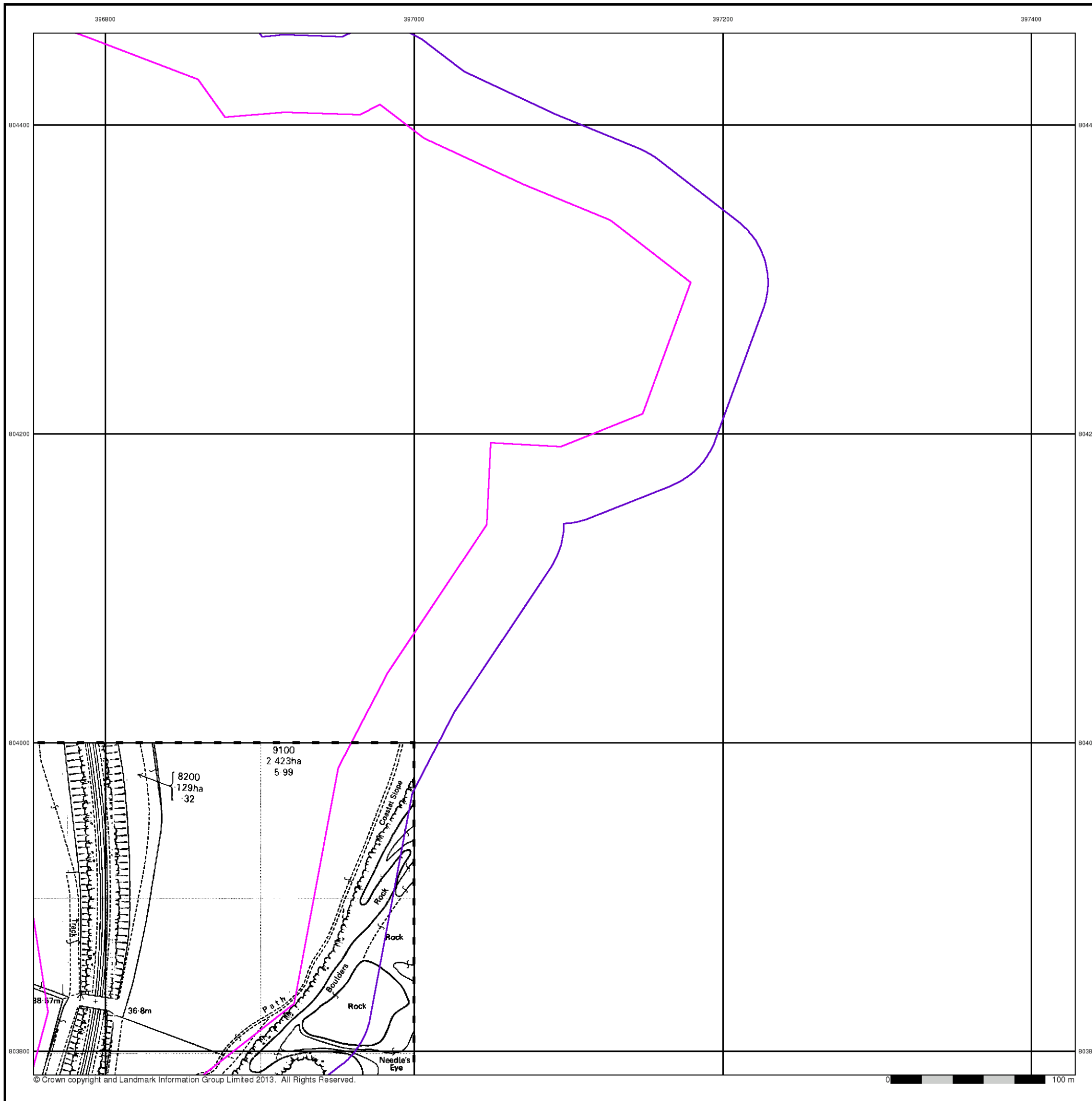
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Search Buffer (m):	50

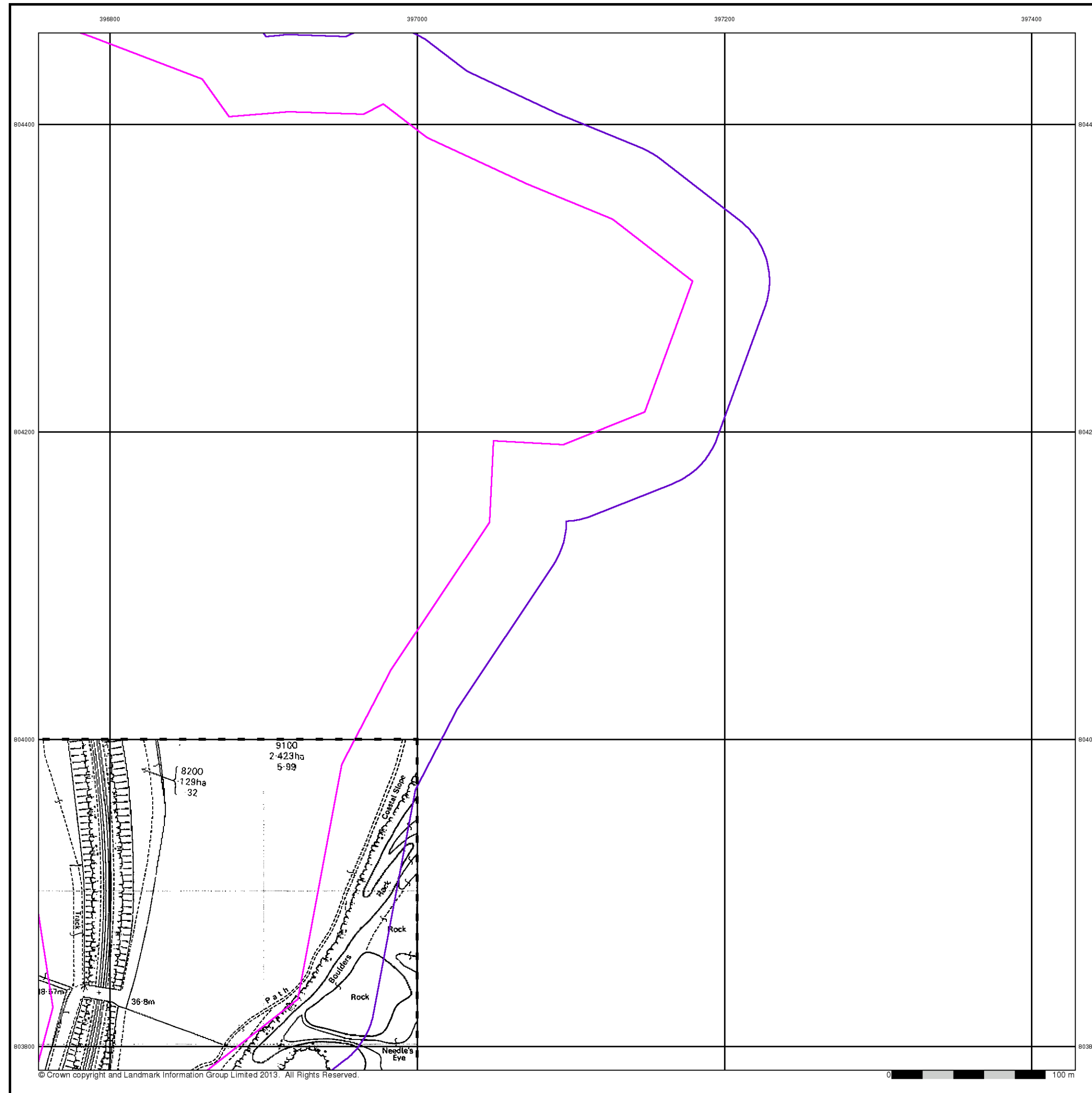
Site Details

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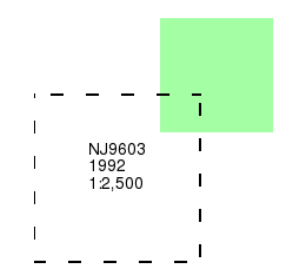
Additional SIMs

Published 1992

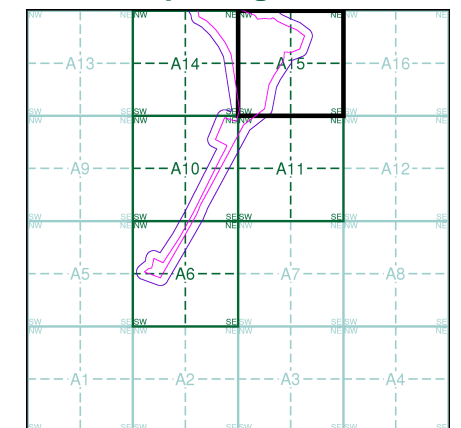
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



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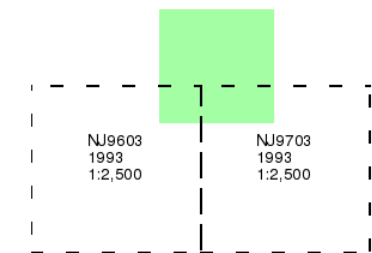
Large-Scale National Grid Data

Published 1993

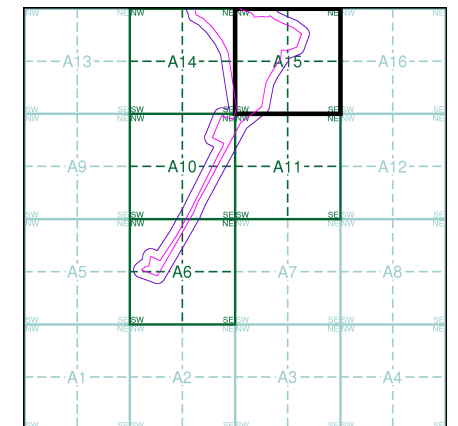
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

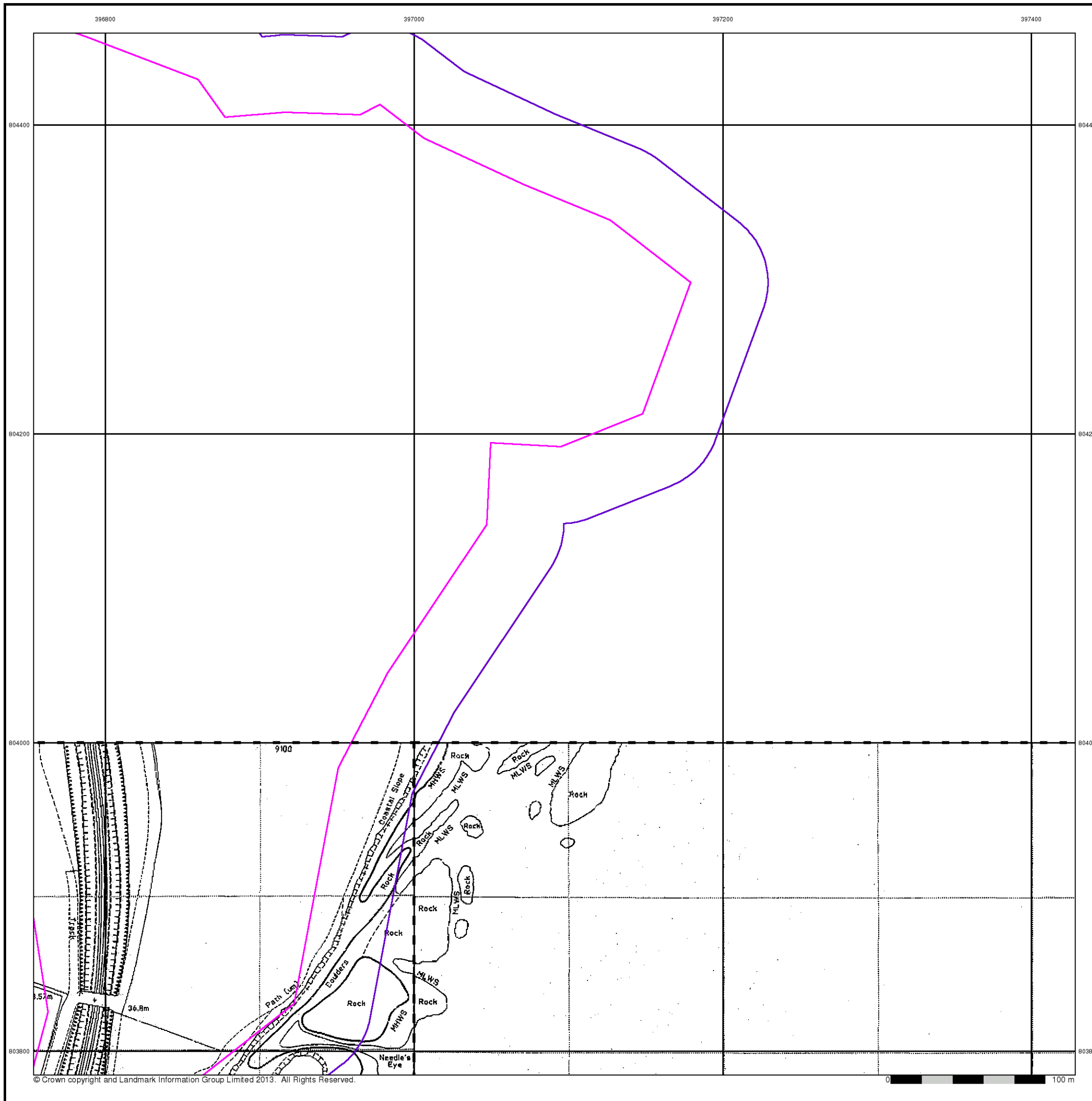
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National Grid Reference: 396600, 803480
Slice: A
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Search Buffer (m): 50

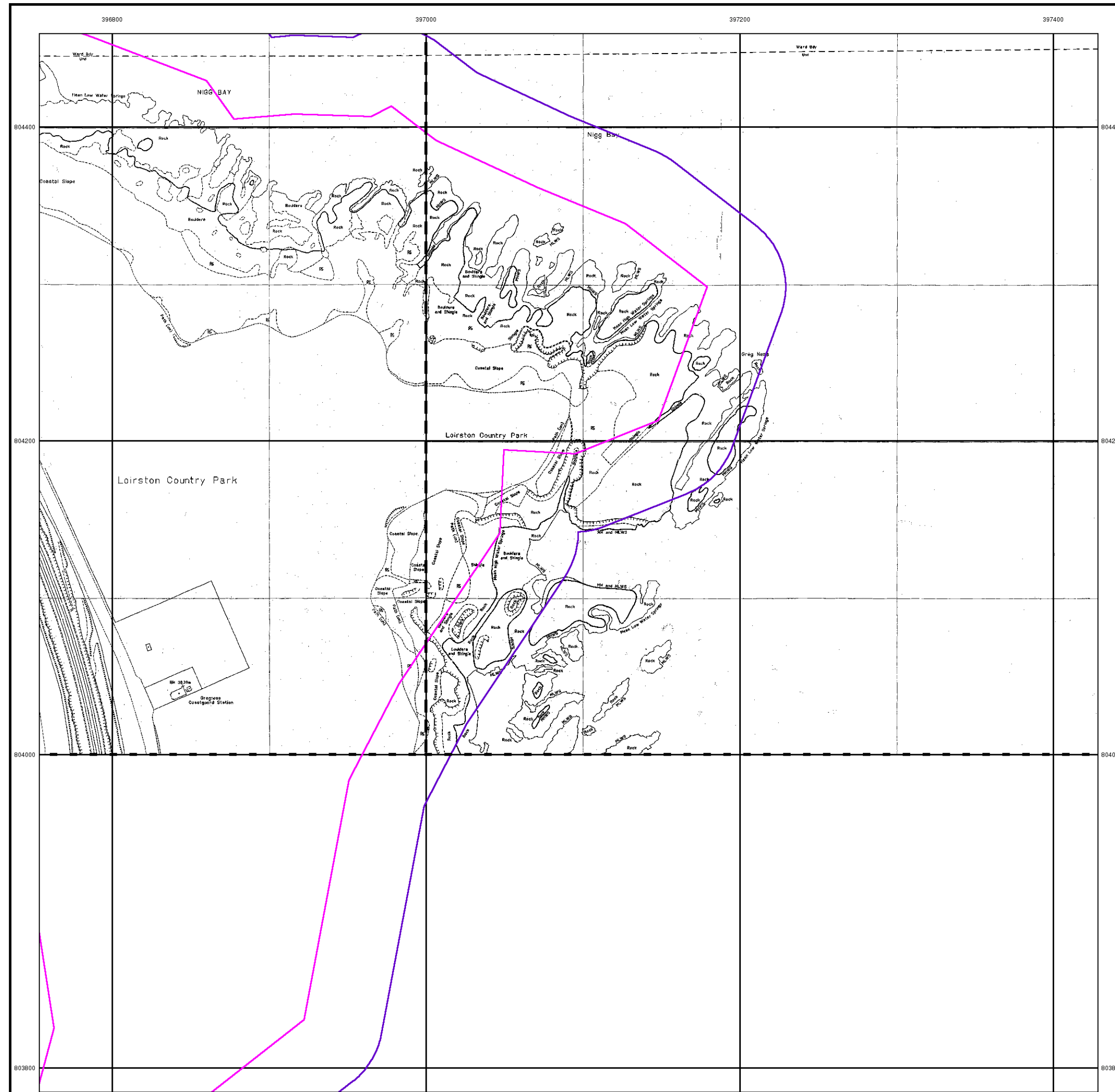
Site Details

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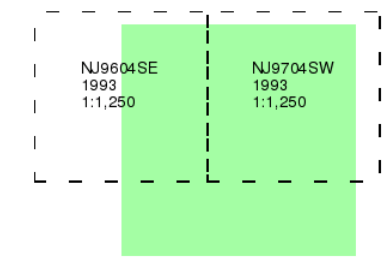
Large-Scale National Grid Data

Published 1993

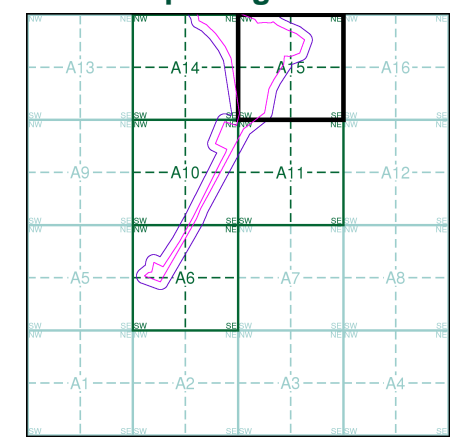
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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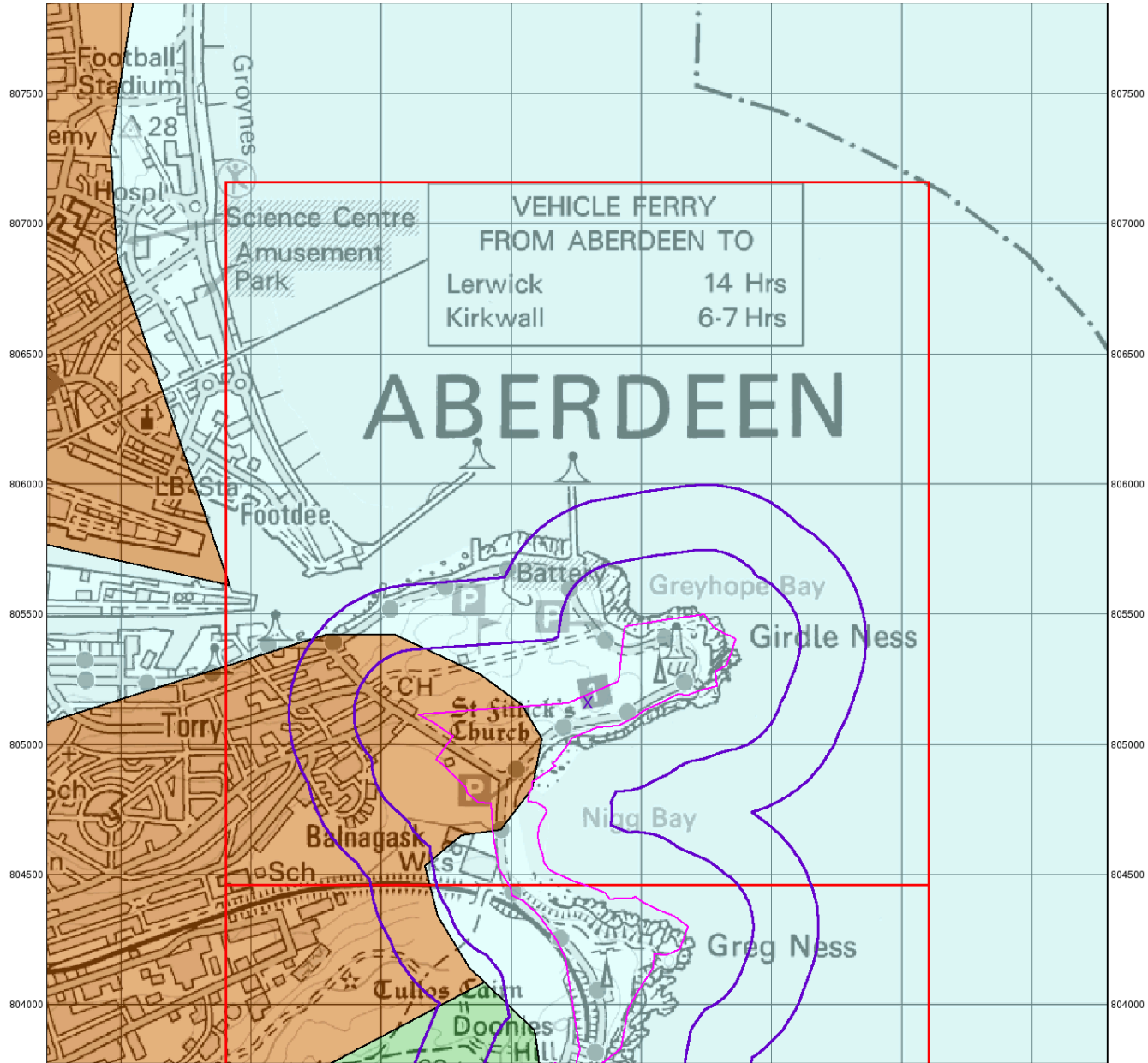
Site Details

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395000 395500 396000 396500 397000 397500 398000 398500



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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

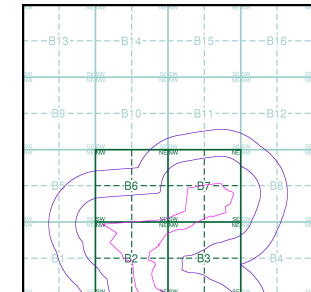
Geological Classes

- Highly Permeable**
- Moderately Permeable**
- Weakly Permeable**
- Water or Sea**
- Drift Deposit**

Soil Classes

- High
- Intermediate
- Low
-
-
-
-

Site Sensitivity Context Map - Slice B



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

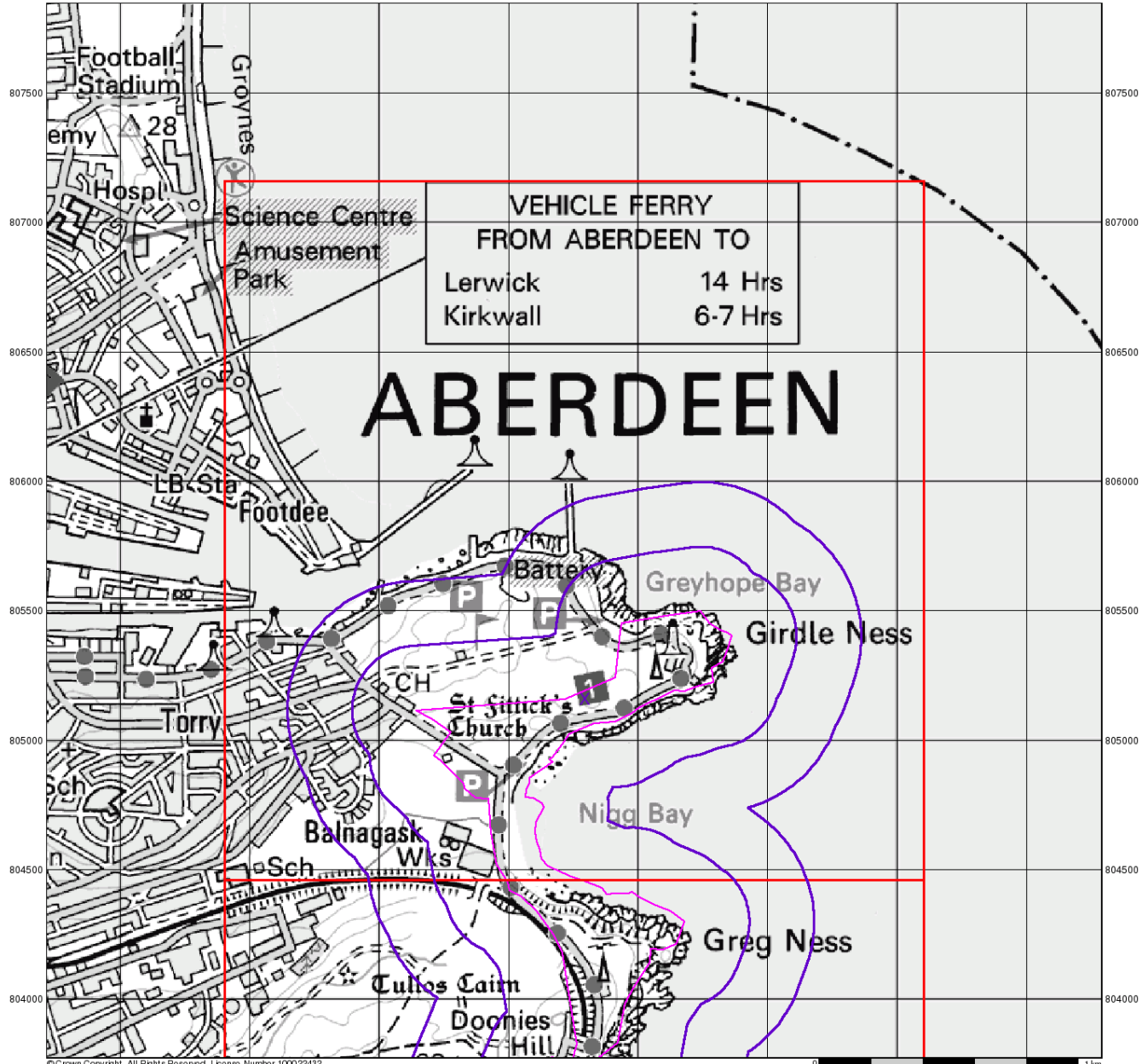
Site Details

Site at, Nigg Bay, Aberdeen City



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

395000 395500 396000 396500 397000 397500 398000 398500



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0 1 km



Source Protection Zones

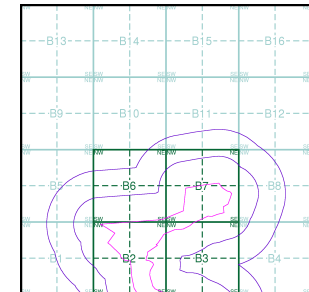
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice B



Order Details

Order Number: 55426788_1_1
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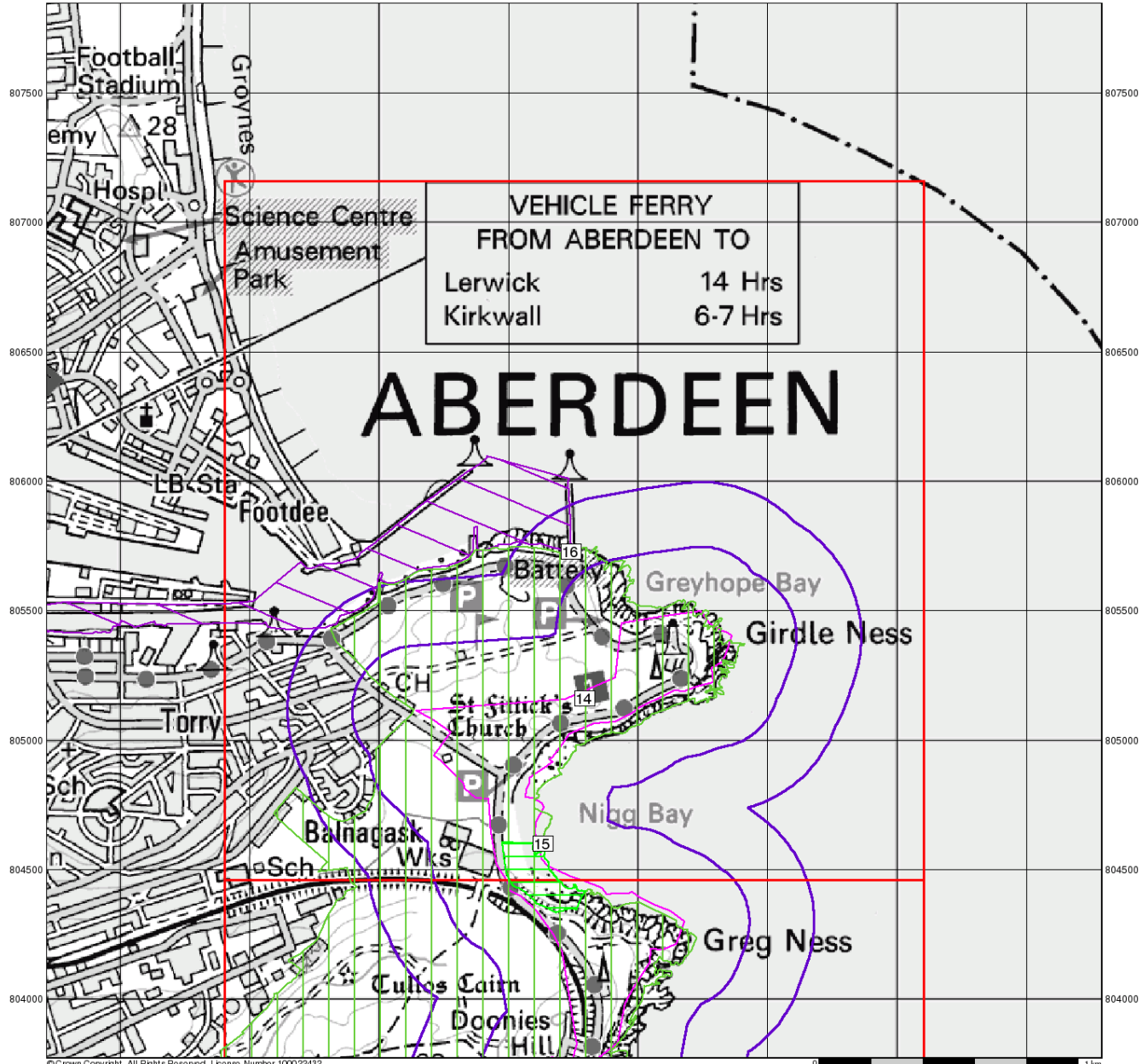
Site Details

Site at, Nigg Bay, Aberdeen City



Tel: 0844 844 9952
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395000 395500 396000 396500 397000 397500 398000 398500



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0 1 km



Sensitive Land Uses

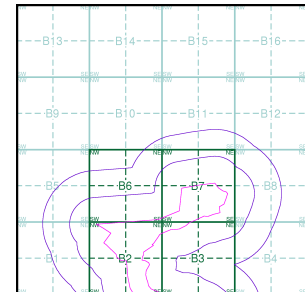
General

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

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- National Scenic Area
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

Site Sensitivity Context Map - Slice B



Order Details

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 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

55426788_1_1

Customer Reference:

EED14221-100

National Grid Reference:

396790, 805160

Slice:

B

Site Area (Ha):

63.21

Search Buffer (m):

500

Site Details:

Site at

Nigg Bay

Aberdeen City

Client Details:

Miss J Dobbin

Waterman Energy Environment & Design Ltd

Third Floor

South Suite

8 Nelson Mandela Place

Glasgow

G2 1BT

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	6
Industrial Land Use	-
Sensitive Land Use	16
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Data Suppliers	21
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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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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Radon Potential dataset Copyright Notice

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Agency & Hydrological				
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1		6	1
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		Yes		
Pollution Incidents to Controlled Waters				
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances				
River Quality				
Substantiated Pollution Incident Register				
Water Abstractions				
Water Industry Act Referrals				
Groundwater Vulnerability	pg 2	Yes	n/a	n/a
Source Protection Zones				
River Flood Data (Scotland)				n/a
Detailed River Network Lines				
Detailed River Network Offline Drainage				
Waste				
BGS Recorded Landfill Sites				
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)				
Local Authority Recorded Landfill Sites				
Registered Landfill Sites	pg 4	2		
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites	pg 5	2		
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				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Geological				
BGS 1:625,000 Solid Geology	pg 6	Yes	n/a	n/a
BGS Estimated Soil Chemistry	pg 6	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 12		3	2
BGS Urban Soil Chemistry				
BGS Urban Soil Chemistry Averages				
Brine Compensation Area			n/a	n/a
Coal Mining Affected Areas			n/a	n/a
Mining Instability			n/a	n/a
Man-Made Mining Cavities				
Natural Cavities				
Non Coal Mining Areas of Great Britain				n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes		n/a
Potential for Compressible Ground Stability Hazards	pg 13	Yes	Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes		n/a
Radon Potential - Radon Affected Areas	pg 15	Yes	n/a	n/a
Radon Potential - Radon Protection Measures	pg 15	Yes	n/a	n/a
Industrial Land Use				
Contemporary Trade Directory Entries (50m)				n/a
Fuel Station Entries				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Areas of Adopted Green Belt	pg 16	1		
Areas of Unadopted Green Belt				
Environmentally Sensitive Areas				
Forest Parks				
Local Nature Reserves				
Marine Nature Reserves				
National Nature Reserves				
National Parks				
National Scenic Areas				
Nitrate Sensitive Areas				
Nitrate Vulnerable Zones				
Ramsar Sites				
Sites of Special Scientific Interest	pg 16	1		
Special Areas of Conservation	pg 16			1
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Girdleness Outfall, NIGG Authority: Scottish Environment Protection Agency, North Region Catchment Area: Dee Reference: DE/92/79/C/A* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 2nd March 1993 Revocation Date: Not Supplied Discharge Type: Sewerage And Trade Discharge Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B7SE (E)	5	1	397360 805380
1	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Girdleness Outfall, NIGG Authority: Scottish Environment Protection Agency, North Region Catchment Area: Dee Reference: DE/93/40/C/R Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 9th April 1993 Revocation Date: Not Supplied Discharge Type: Sewerage And Trade Discharge Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B7SE (E)	7	1	397360 805375
1	<p>Discharge Consents</p> <p>Operator: Grampian Regional Council Property Type: Not Given Location: Girdleness Sewer Outfall, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Not Given Reference: AB/87/8/A* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 11th January 1988 Revocation Date: Not Supplied Discharge Type: Sewerage And Trade Discharge Discharge: Coastal Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B7SE (E)	12	1	397365 805375
2	<p>Discharge Consents</p> <p>Operator: Edmond Nuttall Ltd Property Type: Not Given Location: Headworks, Aberdeen Long Sea Outfall , ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Not Given Reference: AB/84/2 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 16th April 1984 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: East Tullis Burn Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B2SW (SW)	35	1	396350 804750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: United Fish Products Ltd Property Type: Not Given Location: Fish Meal Factory, Greenwell Place, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Dee Reference: DE/92/32/C/R Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th June 1992 Revocation Date: Not Supplied Discharge Type: Unknown Discharge: Coastal Environment: Receiving Water: North Sea Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B2SE (S)	83	1	396700 804595
3	<p>Discharge Consents</p> <p>Operator: United Fish Products Ltd Property Type: Not Given Location: Fish Meal Factory, Greenwell Place, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Not Given Reference: AB/87/3/R* Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 15th May 1987 Revocation Date: Not Supplied Discharge Type: Unknown Discharge: Coastal Environment: Receiving Water: North Sea Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B2SE (S)	84	1	396700 804600
4	<p>Discharge Consents</p> <p>Operator: D A F S Property Type: Not Given Location: Outlet From Marine Lab, Victoria Road, ABERDEEN Authority: Scottish Environment Protection Agency, North Region Catchment Area: Dee Reference: DE/79/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 16th January 1979 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Dee Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B5SE (W)	448	1	395800 805400
	Nearest Surface Water Feature	B2SE (SW)	0	-	396454 804705
	<p>Groundwater Vulnerability</p> <p>Geological Classification: Inland water or sea Soil Classification: Not classified Map Sheet: Sheet 54 Map Of Scotland Scale: 1:625,000</p>	B7SW (SE)	0	2	396794 805162
	<p>Groundwater Vulnerability</p> <p>Geological Classification: Non or Weakly Permeable Aquifer - These formations with negligible permeability that are generally regarded as containing insignificant quantities of groundwater Soil Classification: Not classified Map Sheet: Map of Scotland Scale: 1:625,000</p>	(S)	0	2	396398 804085
	<p>Groundwater Vulnerability</p> <p>Geological Classification: Minor or Moderately Permeable Aquifer - Fractured or potentially fractured rocks which do not have a high primary permeability or other formations of variable permeability Soil Classification: Not classified Map Sheet: Map of Scotland Scale: 1:625,000</p>	B2NE (SW)	0	2	396605 805045
	<p>Drift Deposits</p> <p>None</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Flood Data (Scotland) None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Aberdeen City Council - Has no landfill data to supply		0	6	396794 805162
5	Registered Landfill Sites Licence Holder: Aberdeen City Council Licence Reference: WML/N/20016 Site Location: Ness Farm, Tullos Hill, Nigg Bay, Aberdeen, Aberdeenshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 38 Powis Terrace, ABERDEEN, Aberdeenshire, AB2 3QE Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: May not be working Under Review Dated: 29th October 1999 Preceded By: WML/N/20016/97 Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: After 31/08/2000 - Inactive Waste Only - Comprising Asbestos Brick, Stone, Concrete Rubble Household, Commercial & Industrial Waste Or Active Waste (Until 31/08/2000) Non-Special Fragmentiser Waste Containing Mineral Oil Uncontam Soil/Subsoil Prohibited Waste: Liquid Wastes Other Waste/Waste Not Otherwise Specified Special Waste (As In Epa 1990:S62 Of 1996 Regs) - Except	(SW)	0	3	396453 804419
6	Registered Landfill Sites Licence Holder: Aberdeen City Council Licence Reference: WML/N/20016/97 Site Location: Ness Farm, Tullos Hill, Nigg Bay, Aberdeen, Aberdeenshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 38 Powis Terrace, ABERDEEN, Aberdeenshire, AB2 3QE Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record superseded Superseded Dated: 31st October 1997 Preceded By: 1995/02 Licence: Superseded By: WML/N/20016 Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Asbestos H'Hold/Com./Ind. Waste (S75 Epa'90) Max.Waste Permitted By Licence Mineral Oil Mineral Oils Non-Spec. Stabil'D Drilling Mud Cont Non-Special Fragmentiser Waste Contain Sub'S Control. Radioactive Subs Act'60 Prohibited Waste: Spec.Waste (Epa'90:S62) Except	(SW)	0	3	396453 804419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Grampian Wastewater Services Ltd Licence Reference: Wml/N/20217 (Mo1) Site Location: Nigg W.W.T. Plant, Coast Road, Nigg, Aberdeen, Aberdeenshire, Ab12 3lt Operator Location: 66 Queens Street, Edinburgh, Lothian, Eh12 3lt Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Treatment Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 8th March 2002 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate Authorised Waste: Liquid & Sludge Waste Maximum Waste Permitted By Licence Sewage Cake Sludge & Septic Tank Sludge Prohibited Waste: Other Waste / Waste Not Otherwise Specified Special Waste (As In Epa 1990:S62 Of 1996 Regs)</p>	B2SE (SW)	0	3	396451 804612
8	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: North Of Scotland Water Authority Licence Reference: WML/N/20178/95 (95/11) Site Location: Aberdeen Long Sea Outfall, Nigg Headlands, Nigg, Aberdeen, Aberdeenshire Operator Location: Denburn House, 25 Union Terrace, ABERDEEN, Aberdeenshire, AB10 1NN Authority: Scottish Environment Protection Agency - North Region, Aberdeen Office Site Category: Transfer - with treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 1st September 1995 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate Authorised Waste: Max.Storage (As In Working Plan) Max.Waste Permitted By Licence Non-Haz Liqs From Ind./Com./Dom.Premis Prohibited Waste: Special Waste (As In Epa 1990:S62 Of 1996 Regs) Waste N.O.S.</p>	B2SE (SW)	0	3	396451 804611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Quartzite-schist, grit, slate and phyllite (Upper Dalradian)	B2SW (SW)	0	4	396290 804639
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B7SW (NE)	0	5	396869 805331
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B7SW (NE)	0	5	396963 805441
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B2NE (SW)	0	5	396423 804976
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B3NW (S)	0	5	396794 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B2NE (SW)	0	5	396592 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B3NW (SE)	0	5	396870 805067

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B3NW (S)	0	5	396803 805126
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2SE (SW)	0	5	396519 804628
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7SW (E)	0	5	397000 805162
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B3NW (E)	0	5	397000 805125
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2SE (SW)	0	5	396468 804707
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7SW (SE)	0	5	396794 805162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7SW (NE)	0	5	396982 805426
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7SW (E)	0	5	397000 805176
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NE (SW)	0	5	396459 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NE (SW)	0	5	396646 804979
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NE (SW)	0	5	396678 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B3NW (S)	0	5	396803 805066

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2SW (SW)	34	5	396380 804735
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NW (W)	44	5	396173 804958
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NW (W)	58	5	396151 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NW (W)	82	5	396139 804976
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2NW (W)	131	5	396084 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5SE (W)	146	5	396000 805162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1NE (W)	146	5	396000 805112
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1NE (W)	171	5	396000 805026
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1NE (W)	186	5	396000 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7NW (N)	233	5	396846 805665
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NE (N)	243	5	396732 805588
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B2SW (SW)	277	5	396081 804686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B7NW (N)	298	5	396777 805719
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1SE (SW)	347	5	396000 804667
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1NE (W)	367	5	395798 805000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1SE (SW)	377	5	396000 804626
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1SE (SW)	432	5	396000 804533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5NE (NW)	437	5	395988 805547

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B6NW (NW)	465	5	396353 805687
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5NE (NW)	476	5	396000 805618
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sed Arsenic <15 mg/kg Concentration: Cadmium no data Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B1SE (SW)	485	5	395833 804625
9	BGS Recorded Mineral Sites Site Name: Golf Course Sand Pit Location: , Balnagask, Aberdeen Source: British Geological Survey, National Geoscience Information Service Reference: 86890 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Drumlithie Sand And Gravel Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	B5SE (W)	197	4	396076 805299
10	BGS Recorded Mineral Sites Site Name: East Kirkhill Gravel Pit Location: , Balnagask, Aberdeen Source: British Geological Survey, National Geoscience Information Service Reference: 86868 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Drumlithie Sand And Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	B6SW (NW)	226	4	396333 805355
11	BGS Recorded Mineral Sites Site Name: Greyhope Sand Pit Location: , Balnagask, Aberdeen Source: British Geological Survey, National Geoscience Information Service Reference: 86895 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Drumlithie Sand And Gravel Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	B6NE (N)	241	4	396706 805520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	BGS Recorded Mineral Sites Site Name: Balnagask Mains Sand Pit Location: , Balnagask, Aberdeen Source: British Geological Survey, National Geoscience Information Service Reference: 86769 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Mill Of Forest Till Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	B5SE (W)	362	4	395789 805175
13	BGS Recorded Mineral Sites Site Name: Greyhope Road Sand Pit Location: Greyhope Road, Balnagask, Aberdeen Source: British Geological Survey, National Geoscience Information Service Reference: 86894 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Drumlithie Sand And Gravel Formation Commodity: Sand Positional Accuracy: Located by supplier to within 10m	B6NW (NW)	465	4	396172 805583
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7SW (NE)	0	4	396871 805328
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396594 804997
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396648 804976
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396594 804997
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396648 804976
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B7SW (NE)	0	4	396871 805328
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	B2SW (SW)	36	4	396382 804732

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B6SW (W)	133	4	396164 805259
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B1NE (SW)	179	4	396069 804837
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7NW (N)	230	4	396848 805662
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396803 805063
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3NW (SE)	0	4	396872 805064
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396594 804997
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396648 804976
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B7SW (NE)	0	4	396871 805328
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396679 804997
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396461 804997
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B2SW (SW)	36	4	396382 804732
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2SE (SW)	0	4	396470 804704
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396461 804997
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396803 805063
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B2SE (SW)	0	4	396521 804625
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396804 805122
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396679 804997
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2SW (SW)	36	4	396382 804732
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2NW (W)	80	4	396141 804973
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B2NW (W)	133	4	396086 804997
	Radon Potential - Radon Protection Measures Protection Measure: Stage 1 radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396702 805047
	Radon Potential - Radon Protection Measures Protection Measure: Stage 1 radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B2NE (S)	0	4	396727 804997
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997
	Radon Potential - Radon Protection Measures Protection Measure: Stage 1 radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396802 805122
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B2NE (SW)	0	4	396702 805047
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B2NE (S)	0	4	396727 804997
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396794 804997
	Radon Potential - Radon Affected Areas Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B3NW (S)	0	4	396802 805122
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B7SW (SE)	0	4	396794 805162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Areas of Adopted Green Belt Authority: Aberdeen City Council Plan Name: Aberdeen City Local Development Plans Status: Adopted Plan Date: 29th February 2012	B7SW (SE)	0	6	396794 805162
15	Sites of Special Scientific Interest Name: Nigg Bay Multiple Areas: N Total Area (m2): 44716.4 Source: Scottish Natural Heritage Reference: 1224 Designation Details: Geological Designation Date: 14th August 1984 Date Type: Designated	B2SE (S)	0	7	396633 804601
16	Special Areas of Conservation Name: River Dee Multiple Areas: N Total Area (m2): 24468216.42 Source: Scottish Natural Heritage Reference: 8357 Status: Designated	B6NE (N)	339	7	396742 805728

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Aberdeen City Council	July 2013	Annual Rolling Update
Discharge Consents Scottish Environment Protection Agency - North Region	February 1998	Variable
Enforcement and Prohibition Notices Scottish Environment Protection Agency - North Region	January 2012	Not Applicable
Integrated Pollution Controls Scottish Environment Protection Agency - Head Office Scottish Environment Protection Agency - North Region	February 1998 March 2002	Variable Variable
Local Authority Pollution Prevention and Controls Scottish Environment Protection Agency - North Region	March 2002	Variable
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Prosecutions Relating to Authorised Processes Scottish Environment Protection Agency - North Region	March 2007	Not Applicable
Prosecutions Relating to Controlled Waters Scottish Environment Protection Agency - North Region	March 2007	Not Applicable
Registered Radioactive Substances Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - Head Office	February 1998 January 1998	Variable Variable
River Quality Scottish Environment Protection Agency - Head Office	December 1990	Not Applicable
Water Abstractions Scottish Executive - Agriculture, Environment and Fisheries Department	December 1997	Not Applicable
Water Industry Act Referrals Scottish Environment Protection Agency - North Region	April 1996	Variable
Groundwater Vulnerability Scottish Environment Protection Agency - Head Office	December 1995	Not Applicable
Drift Deposits Scottish Environment Protection Agency - Head Office	December 1995	Not Applicable
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Integrated Pollution Control Registered Waste Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - Head Office	February 1998 January 1998	Variable Variable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area	February 2014 February 2014 February 2014 February 2014	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Aberdeen City Council	May 2000	Not Applicable
Local Authority Recorded Landfill Sites Aberdeen City Council	May 2000	Not Applicable
Registered Landfill Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - North Region - Aberdeen Office	December 2005 December 2005	Not Applicable Not Applicable
Registered Waste Transfer Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - North Region - Aberdeen Office	December 2005 December 2005	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Scottish Environment Protection Agency - North Region Scottish Environment Protection Agency - North Region - Aberdeen Office	December 2005 December 2005	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2014	Bi-Annually
Explosive Sites Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Aberdeen City Council - Planning and City Development Services	November 2012	Annual Rolling Update
Planning Hazardous Substance Consents Aberdeen City Council - Planning and City Development Services	November 2012	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2013	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	February 2014	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2014	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Aberdeen City Council	February 2014	As notified
Areas of Unadopted Green Belt Aberdeen City Council	February 2014	As notified
Environmentally Sensitive Areas Scottish Executive - Geographic Information Service	August 2013	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Aberdeen City Council	May 2013	Bi-Annually
Marine Nature Reserves Scottish Natural Heritage	February 2012	Bi-Annually
National Nature Reserves Scottish Natural Heritage	January 2014	Bi-Annually
Nitrate Vulnerable Zones Scottish Executive - Geographic Information Service	March 2014	Annually
Ramsar Sites Scottish Natural Heritage	May 2013	Bi-Annually
Sites of Special Scientific Interest Scottish Natural Heritage	May 2013	Bi-Annually
Special Areas of Conservation Scottish Natural Heritage	May 2013	Bi-Annually
Special Protection Areas Scottish Natural Heritage	May 2013	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	 <p>British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p>Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Scottish Environment Protection Agency - North Region Graesser House, Fodderty Way, Dingwall Business Park, Dingwall, Highland, IV15 9XB	Telephone: 01349 862021 Fax: 01349 863987
2	Scottish Environment Protection Agency - Head Office Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
3	Scottish Environment Protection Agency - North Region - Aberdeen Office Greyhope House, Greyhope Road, Torry, Aberdeen, Aberdeenshire, AB1 3RD	Telephone: 01224 248338 Fax: 01224 248591
4	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
6	Aberdeen City Council St Nicholas House, Broad Street, Aberdeen, AB10 1BW	Telephone: 01224 522000 Fax: 01224 636181 Website: www.aberdeencity.gov.uk
7	Scottish Natural Heritage 12 Hope Terrace, Edinburgh, Midlothian, EH9 2AS	Telephone: 0131 447 4784 Fax: 0131 446 2279
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Geology 1:50,000 Maps Legends





Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Water, Type Unspecified	Not Supplied - Not Supplied
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	TRD	Tidal River Or Creek Deposits	Sand, Silt and Clay	Flandrian - Flandrian
	MFT	Mill Of Forest Till Formation	Diamicton	Devensian - Devensian
	DSG	Drumlithie Sand and Gravel Formation	Sand and Gravel	Devensian - Devensian
	LOSG	Lochton Sand and Gravel Formation	Sand, Gravel and Boulders	Devensian - Devensian
	LOSG	Lochton Sand and Gravel Formation	Sand and Gravel	Devensian - Devensian
	BDMO	Blairdaff Moraine Formation	DIAMICTON, SAND AND GRAVEL	Devensian - Devensian
	TSCL	Tullos Clay Member	Sand, Silt and Clay	Devensian - Devensian
	BATI	Banchory Till Formation	Diamicton	Devensian - Devensian
	LOSG	Lochton Sand and Gravel Formation	Gravel, Sand and Silt	Devensian - Devensian
	RTFD	Raised Tidal Flat Deposits	Clay, Silt and Sand	Quaternary - Quaternary
	MBD	Marine Beach Deposits	Gravel, Sand and Silt	Quaternary - Quaternary
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Quaternary
	BSA	Blown Sand	Sand	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CSTD	Central Scotland Late Carboniferous Tholeiitic Dyke Swarm	Microgabbro and Basalt	Silesian - Silesian
	BOBC	Brig O' Balgownie Formation	Conglomerate and [Subequal/Subordinate] Sandstone, Interbedded	Early Devonian - Early Devonian
	ABDN	Aberdeen Formation	Semipelite and Psammite	Neoproterozoic - Neoproterozoic
	ABDN	Aberdeen Formation	Psammite and Semipelite	Neoproterozoic - Neoproterozoic
	UMIGP	Unnamed Metamorphosed Igneous Rocks, Pre-Caledonian to Caledonian	Amphibolite and Hornblende Schist	Silurian - Archaean
		Faults		



Geology 1:50,000 Maps

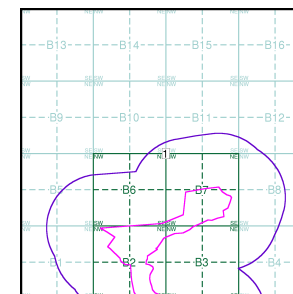
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	077
Map Name:	Aberdeen
Map Date:	2004
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice B



Order Details:

Order Number:	55426788_1_1
Customer Reference:	EED14221-100
National Grid Reference:	396790, 805160
Site:	B
Site Area (Ha):	63.21
Search Buffer (m):	500

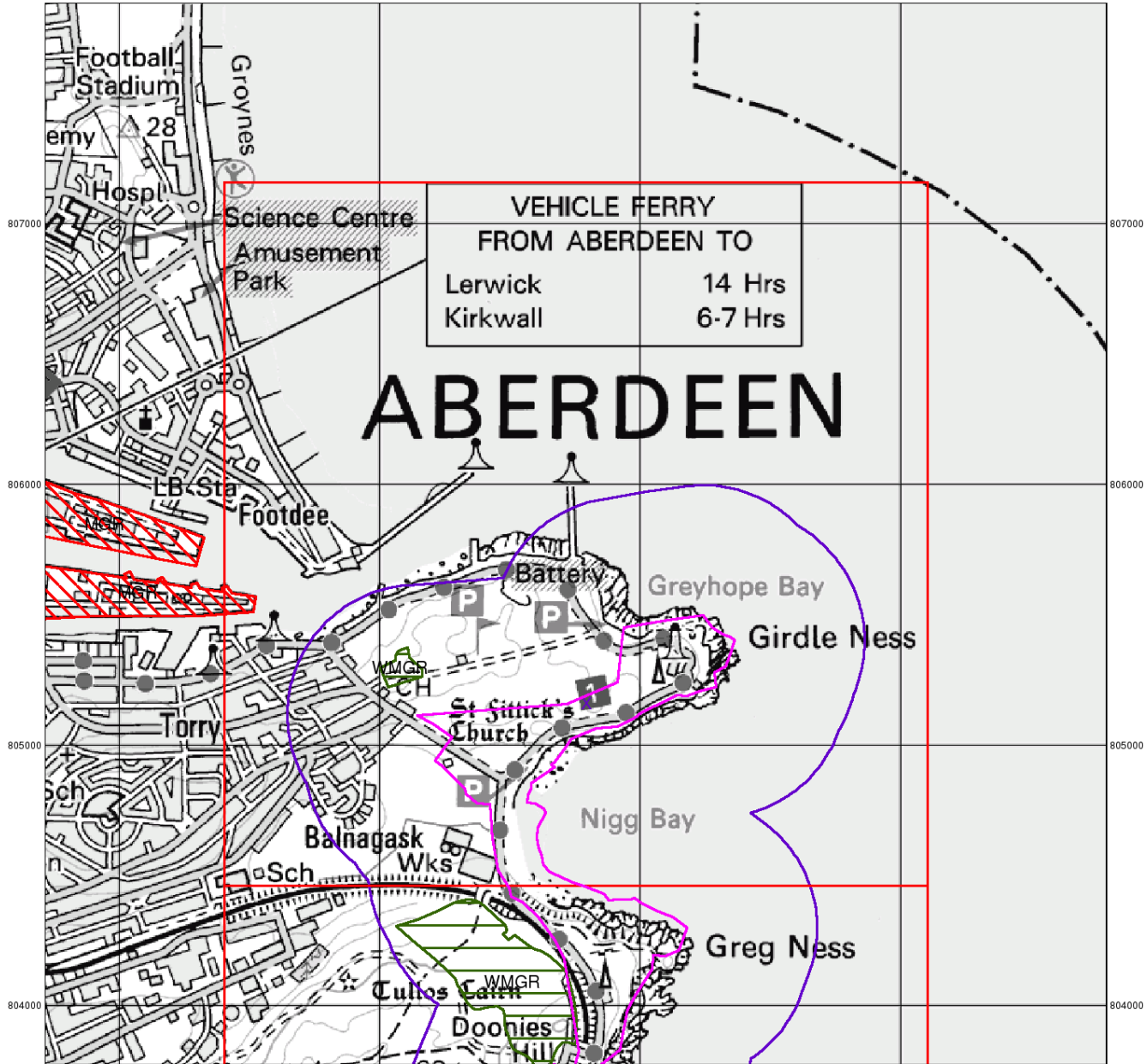
Site Details:

Site at, Nigg Bay, Aberdeen City



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395000 396000 397000 398000



VEHICLE FERRY	
FROM ABERDEEN TO	
Lerwick	14 Hrs
Kirkwall	6-7 Hrs

ABERDEEN

807000
806000
805000
804000

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Artificial Ground and Landslip

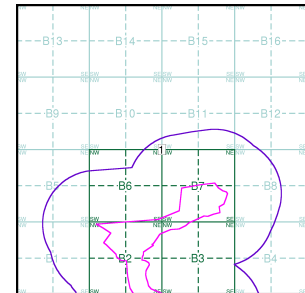
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice B



Order Details:

Order Number: 55426788_1_1
 Customer Reference: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
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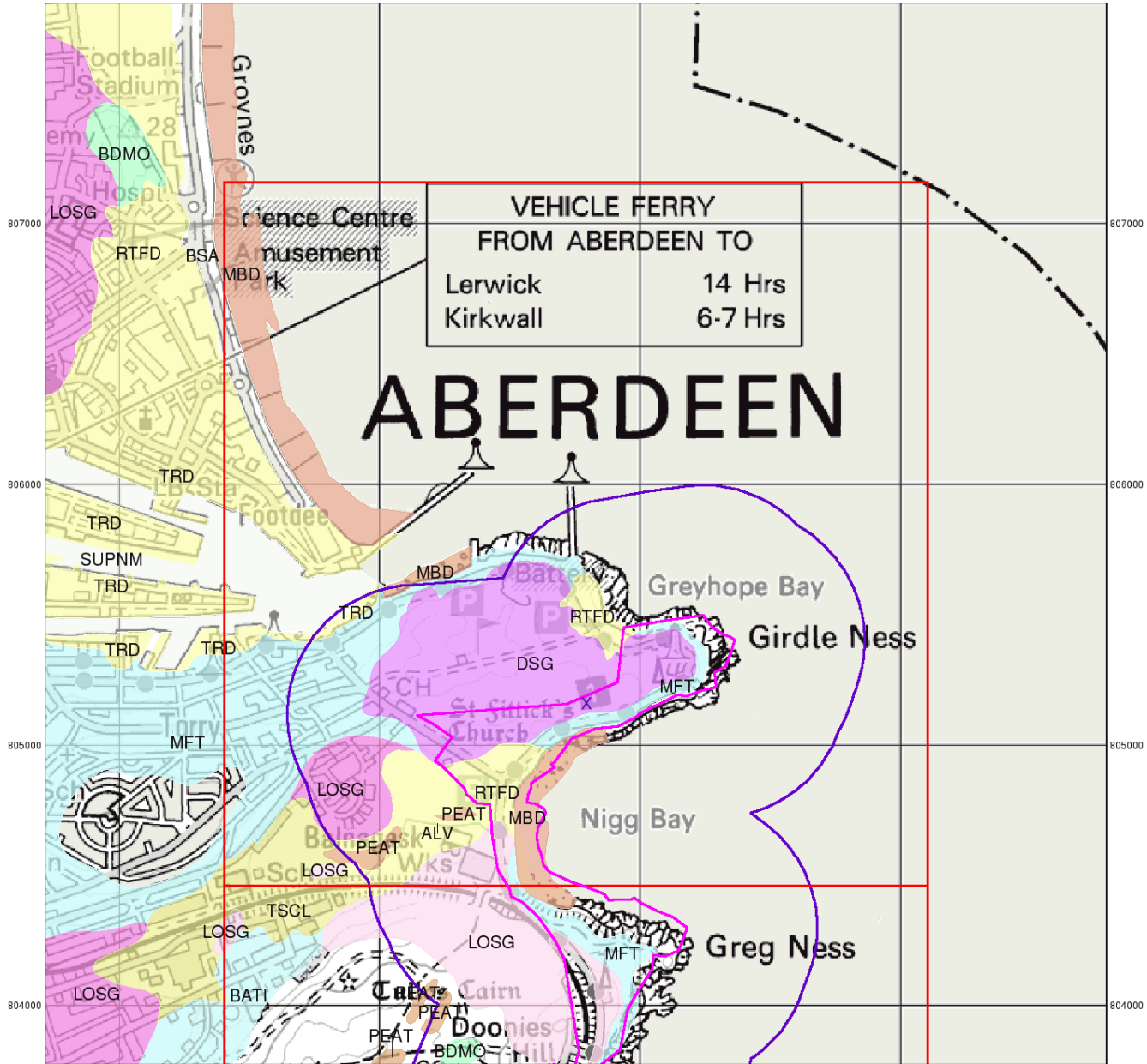
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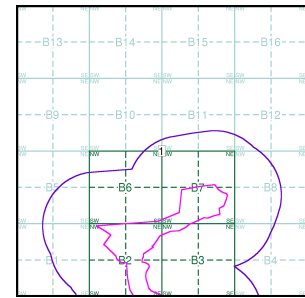
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice B



Order Details:

Order Number: 55426788_1_1
 Customer Reference: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

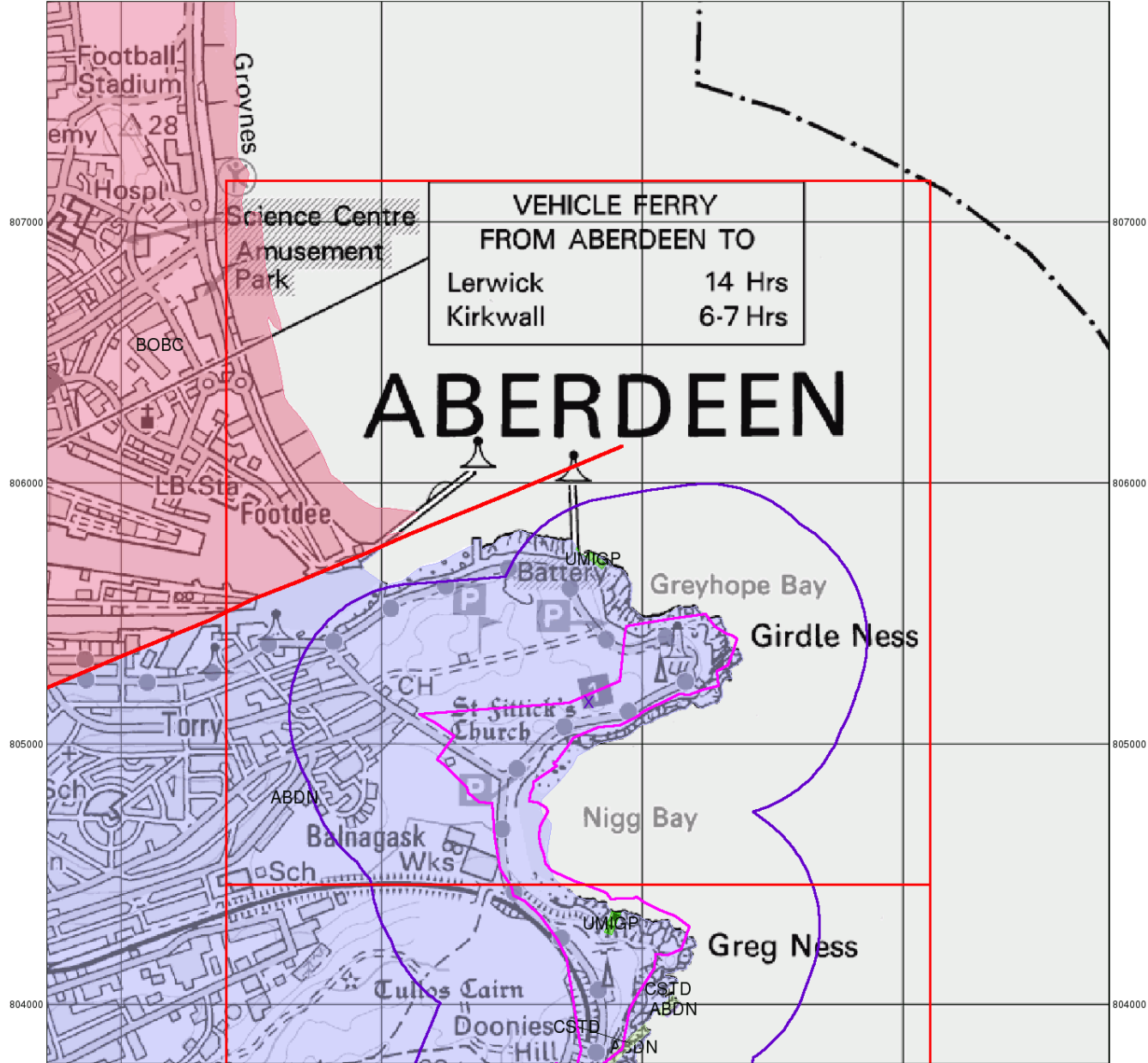
Site Details:

Site at, Nigg Bay, Aberdeen City



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Bedrock and Faults

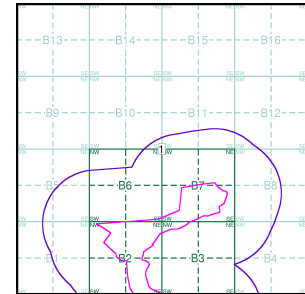
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice B



Order Details:

Order Number: 55426788_1_1
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

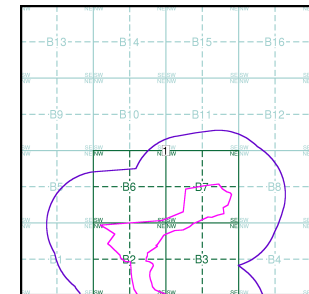
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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 Kingsley Dunham Centre
 Keyworth
 Nottingham
 NG12 5GG
 Telephone: 0115 936 3143
 Fax: 0115 936 3276
 email: enquiries@bgs.ac.uk
 website: www.bgs.ac.uk

Combined Geology Map - Slice B



Order 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		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		
	Standard Gauge Single Track		
	Siding, Tramway or Mineral Line		
	Narrow Gauge		
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

1:10,000 Raster Mapping

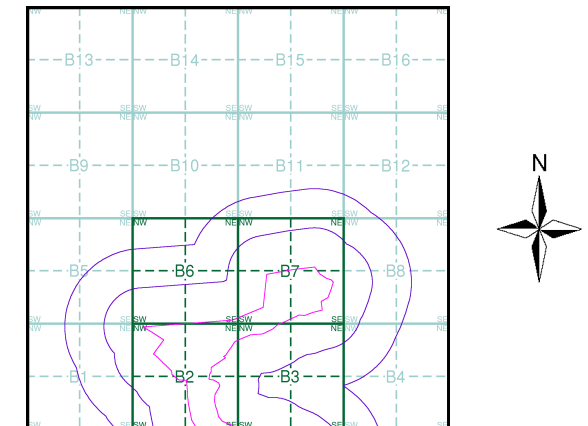
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kincardineshire	1:10,560	1868	3
Aberdeenshire	1:10,560	1869	4
Aberdeenshire	1:10,560	1902	5
Aberdeenshire	1:10,560	1928	6
Aberdeenshire	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1944	8
Historical Aerial Photography	1:10,560	1944	9
Ordnance Survey Plan	1:10,000	1959	10
Ordnance Survey Plan	1:10,000	1967	11
Ordnance Survey Plan	1:10,000	1967	12
Ordnance Survey Plan	1:10,000	1972 - 1974	13
Aberdeen	1:10,000	1981	14
Ordnance Survey Plan	1:10,000	1982	15
Ordnance Survey Plan	1:10,000	1989	16
Ordnance Survey Plan	1:10,000	1991	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2014	19

Historical Map - Slice B



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings
Military and Industrial Buildings
Military and Communication Areas
Fireproof Building
Non-fireproof Building
Factory, mill, and flour mill, with chimneys
Power Station, drawn to scale
Radio Station, drawn to scale
Abandoned Open-pit Mine or Quarry
Pit
Tailings Pile
Bench Mark
Fill
Cut
Single-track Railroad
Coniferous Forest
Deciduous Forest
Mixed Forest
Lawns
Citrus Orchard
Wet Ground
Scattered Vegetation

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings
Military and Industrial Buildings
Military and Communication Areas
Partly Demolished Buildings
Built-Up Area with Fireproof Buildings Predominant
Built-Up Area with Non-Fireproof Buildings Predominant
Individual Fireproof Building
Individual Dwelling, Fireproof
Factory or Mill Chimney
Operating Shaft or Mine
Pit
Oil or Natural Gas Derrick
Cemetery
Bench Mark
Radio Station
Small Bridge
Double-track Railroad with First Class Station
Shore Embankment
Well
Heavy (Index) Contour Line
Coniferous

Military and Industrial Buildings
Subway Entrance
Demolished Buildings
Built-Up Area with Non-Fireproof Buildings Predominant
Prominent Industrial Building
Ruins of an Individual Dwelling
Factory or Mill with Chimney
Non-Operating Shaft or Mine
Salt Mine
Tailings Pile
Gas Pump or Service Station
Fuel Storage or Natural Gas Tank
Power Station
Transformer Station
Triangulation Point on Burial Mound
Triangulation Point
Telegraph Office
Telephone Station
Airfield or Seaplane Base
Landing Strip
Highway under Construction
Improved Dirt Road (former truck road)
Dismantled Railroad
Railroad Under Construction
River or Ditch with Embankment
Water Reservoir or Rain Water Pit
Spring
Isobath with value
Contour Line and Value
Half Contour Line
Spot Elevation Value
Deciduous
Mixed
Scrub

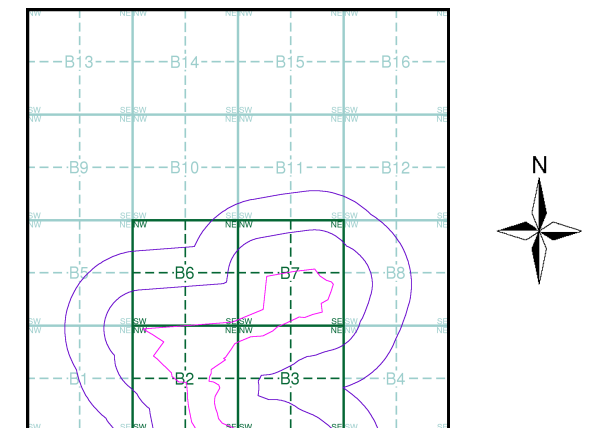
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Kincardineshire	1:10,560	1868	3
Aberdeenshire	1:10,560	1869	4
Aberdeenshire	1:10,560	1902	5
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Ordnance Survey Plan	1:10,000	1991	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2014	19

Russian Map - Slice B



Order Details

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Kincardineshire

Published 1868

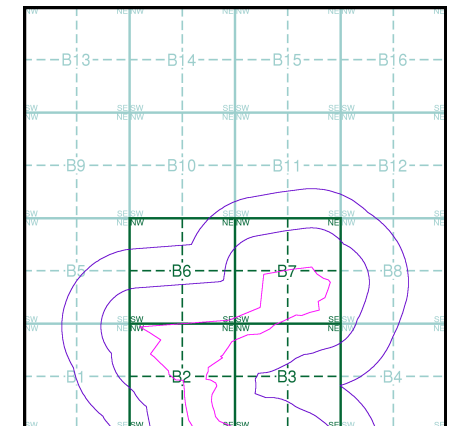
Source map scale - 1:10,560

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)

004A00	1868	1:10,560
00400	1868	1:10,560

Historical Map - Slice B



Order Details

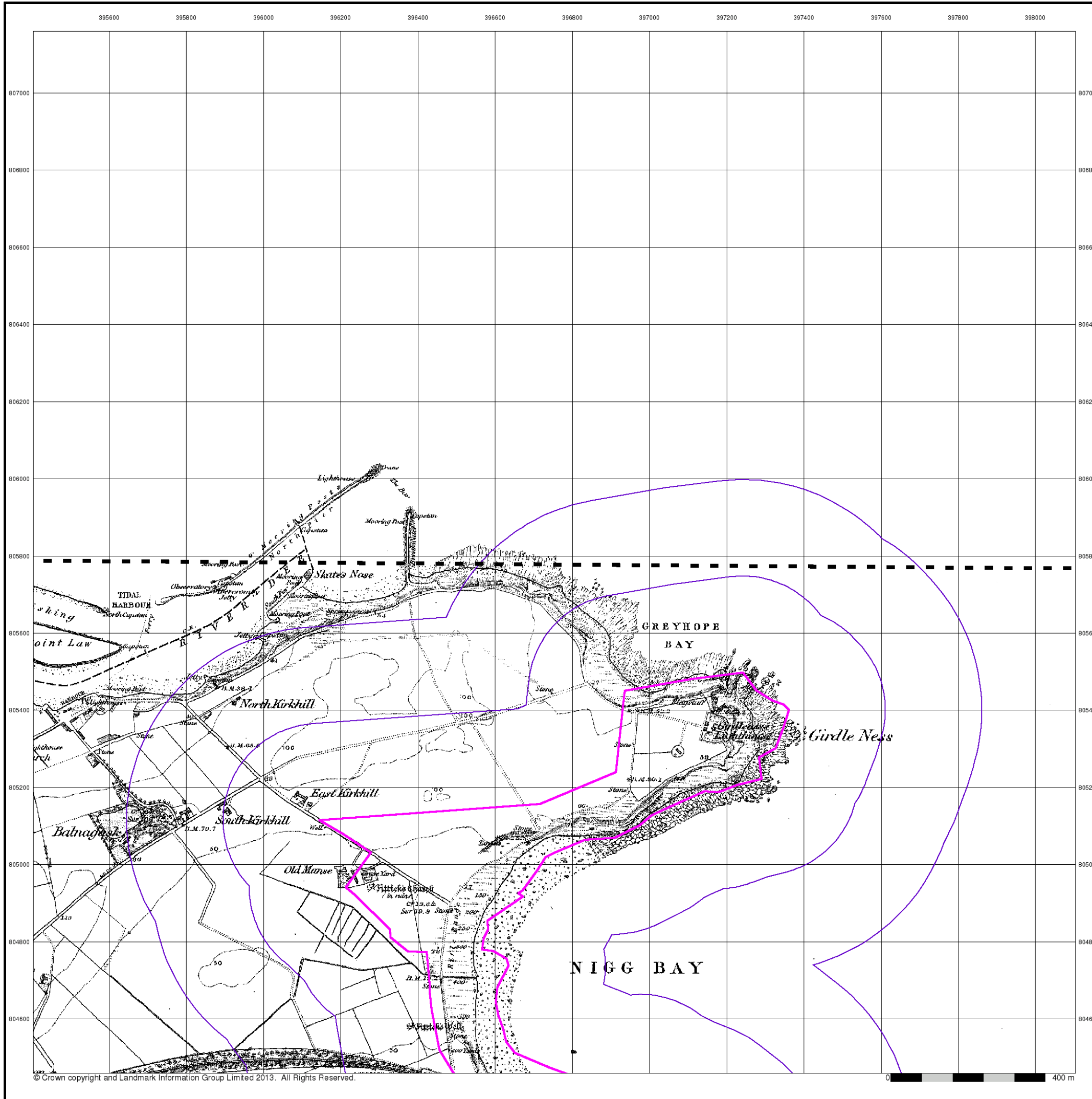
Order Number: 55426788_1_1
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 Site Area (Ha): 63.21
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Aberdeenshire

Published 1902

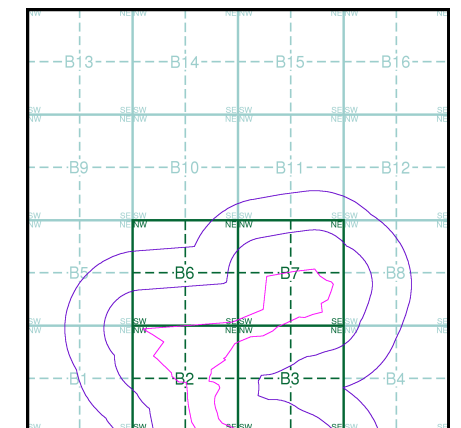
Source map scale - 1:10,560

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)

075NE	1902	1:10,560
075SE	1902	1:10,560

Historical Map - Slice B



Order Details

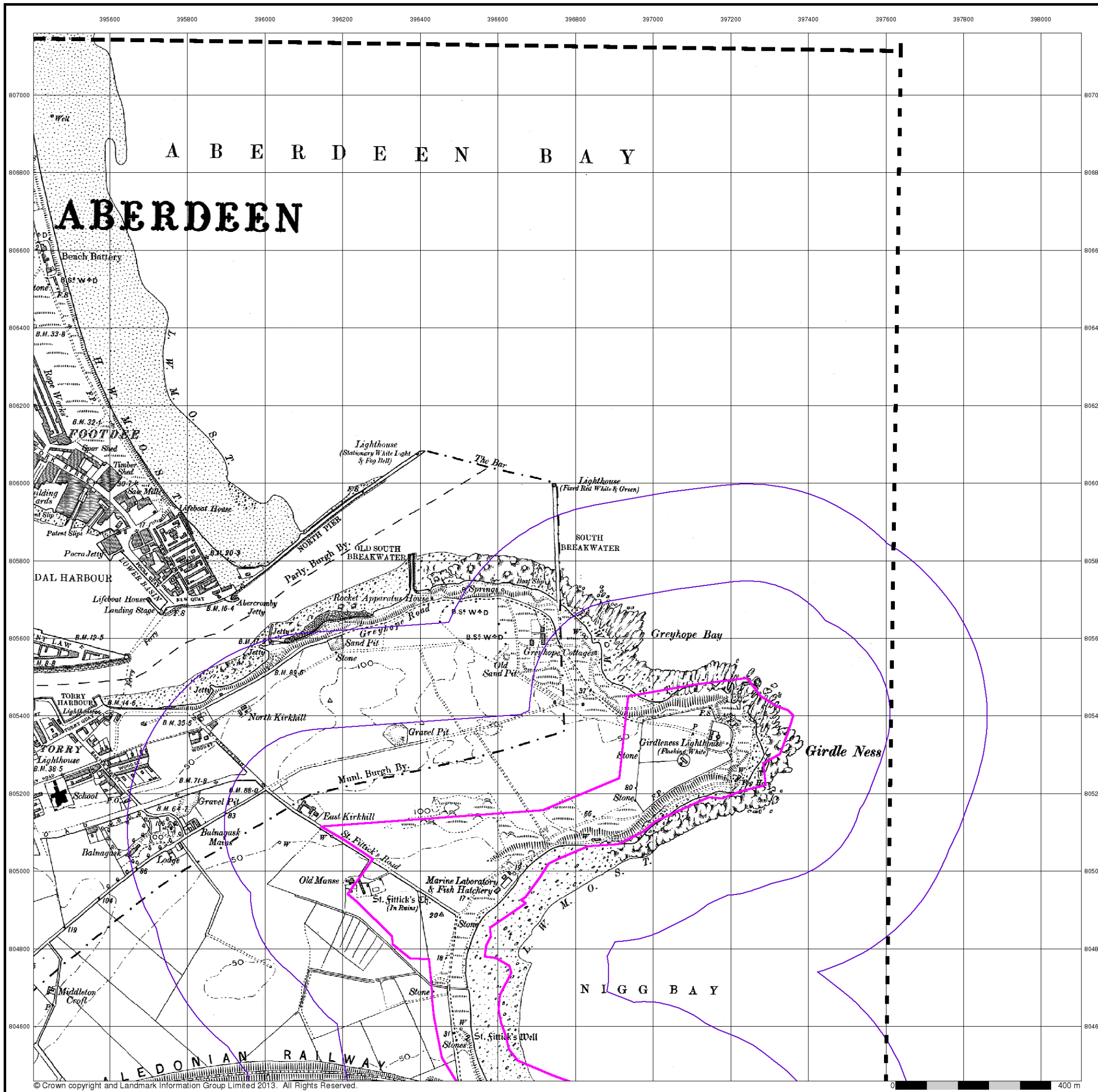
Order Number: 55426788_1_1
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Aberdeenshire

Published 1928

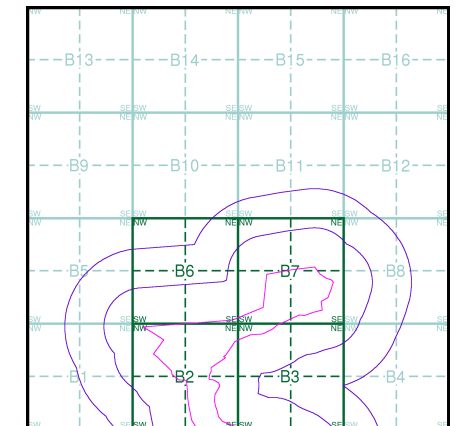
Source map scale - 1:10,560

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)

075NE	1928	1:10,560
075SE	1928	1:10,560

Historical Map - Slice B



Order Details

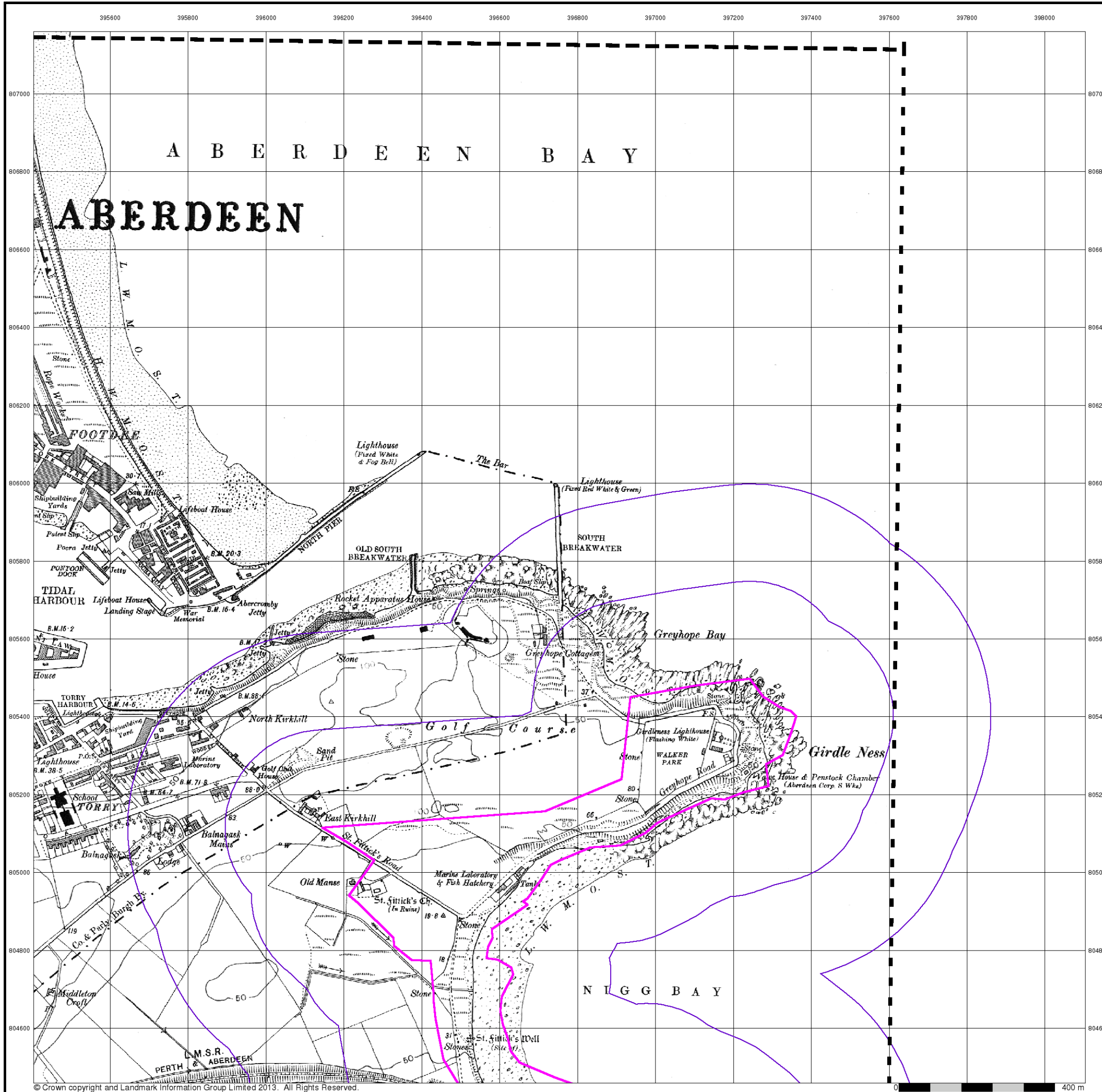
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
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Site Details

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Aberdeenshire

Published 1938

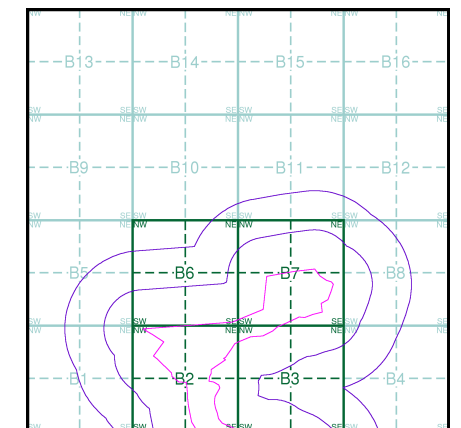
Source map scale - 1:10,560

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)

075NE	1938	1:10,560
075SE	1938	1:10,560

Historical Map - Slice B



Order Details

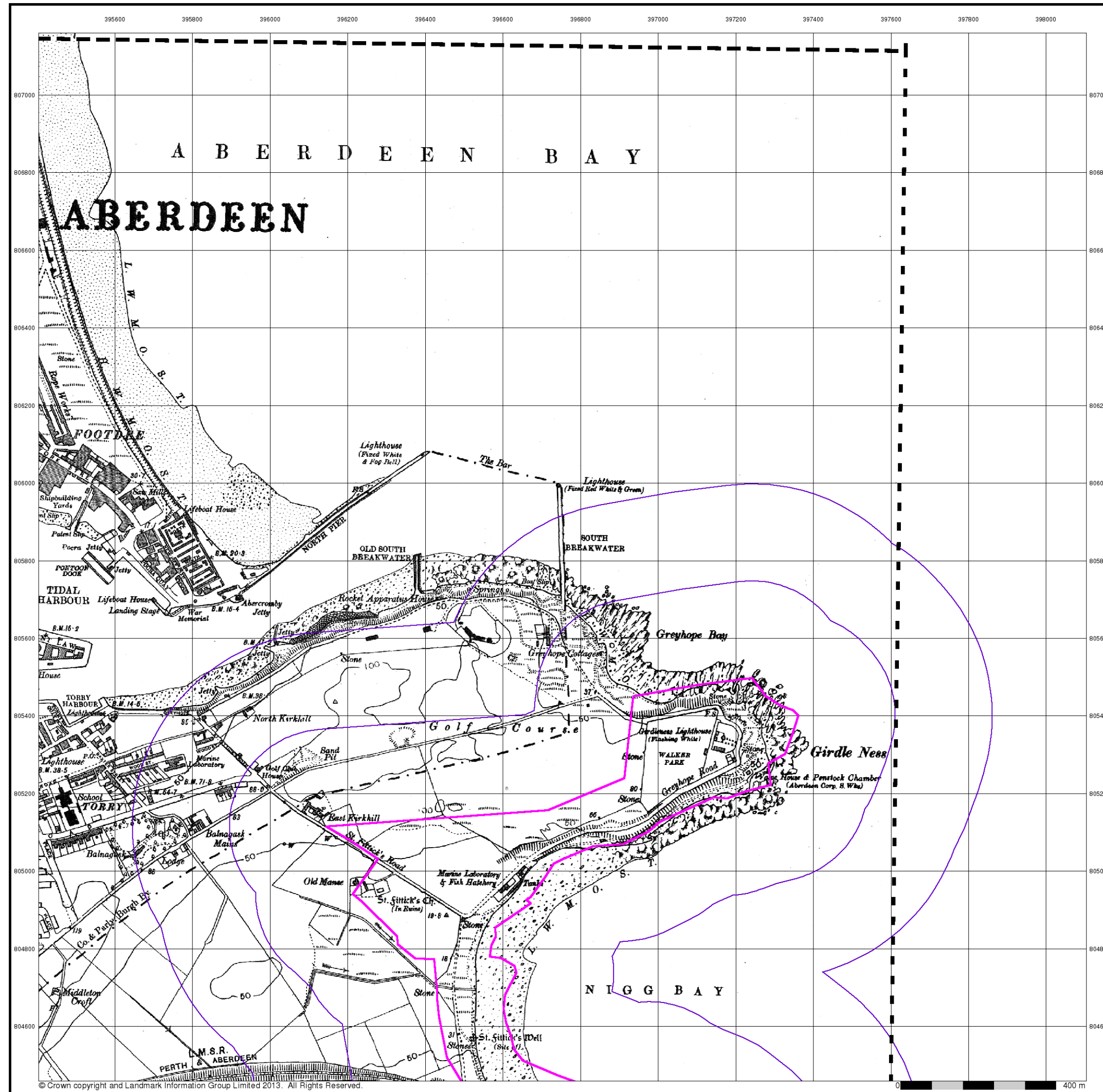
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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



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Historical Aerial Photography

Published 1944

Source map scale - 1:10,560

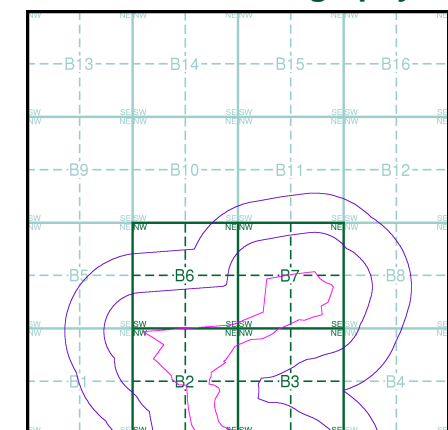
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

NJ90NE
1944
1:10,560
NJ90SE
1944
1:10,560

Historical Aerial Photography - Slice B



Order Details

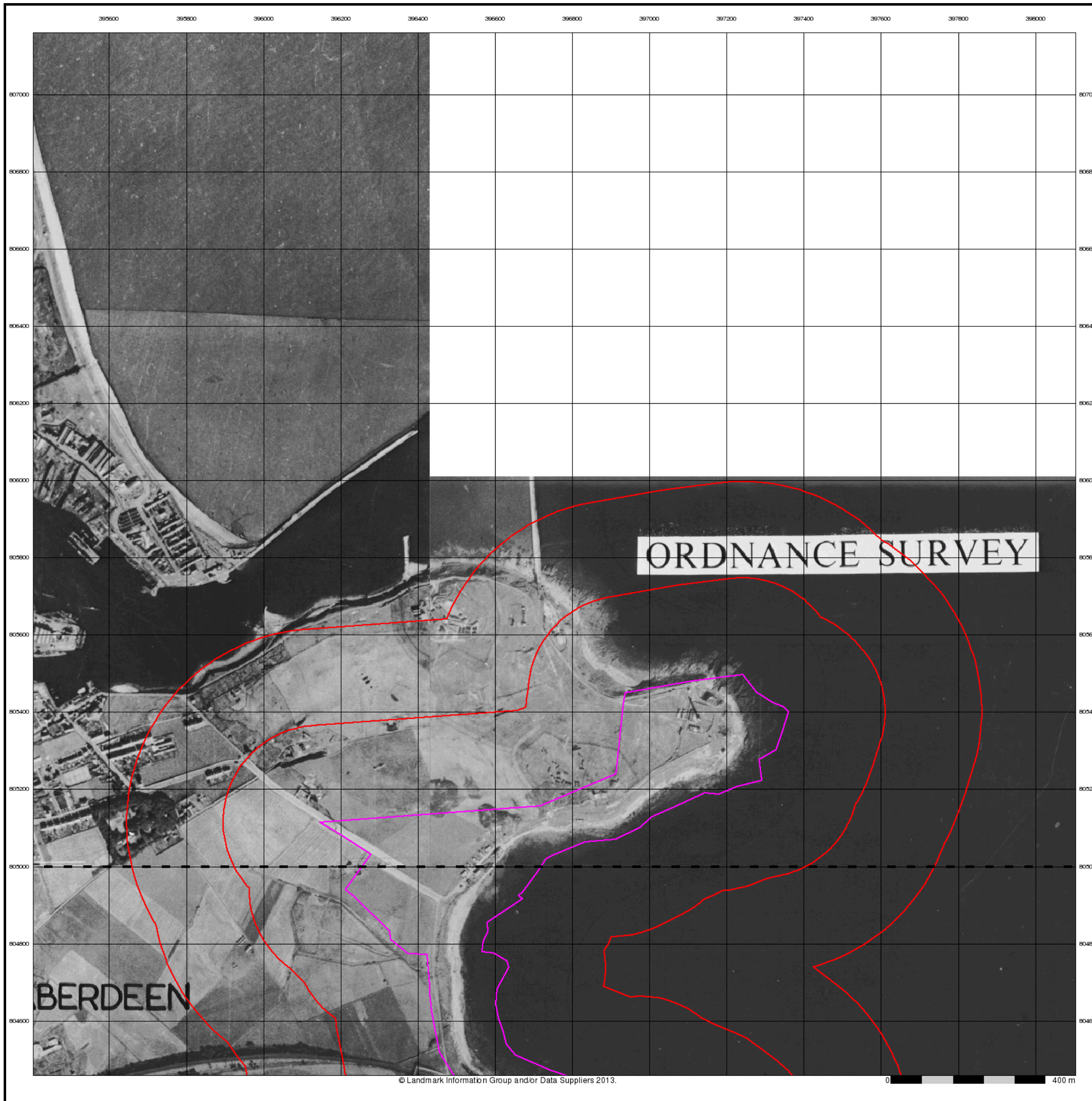
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
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Historical Aerial Photography

Published 1944

Source map scale - 1:10,560

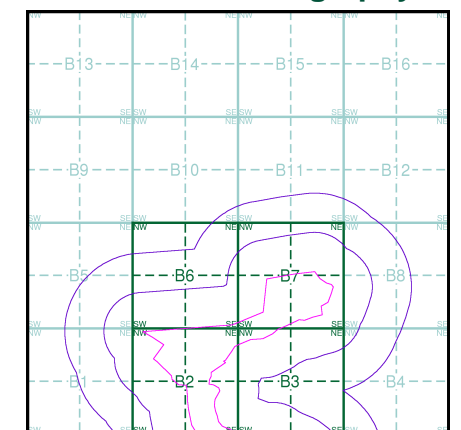
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

NJ90NE
1944
1:10,560
NJ90SE
1944
1:10,560

Historical Aerial Photography - Slice B



Order Details

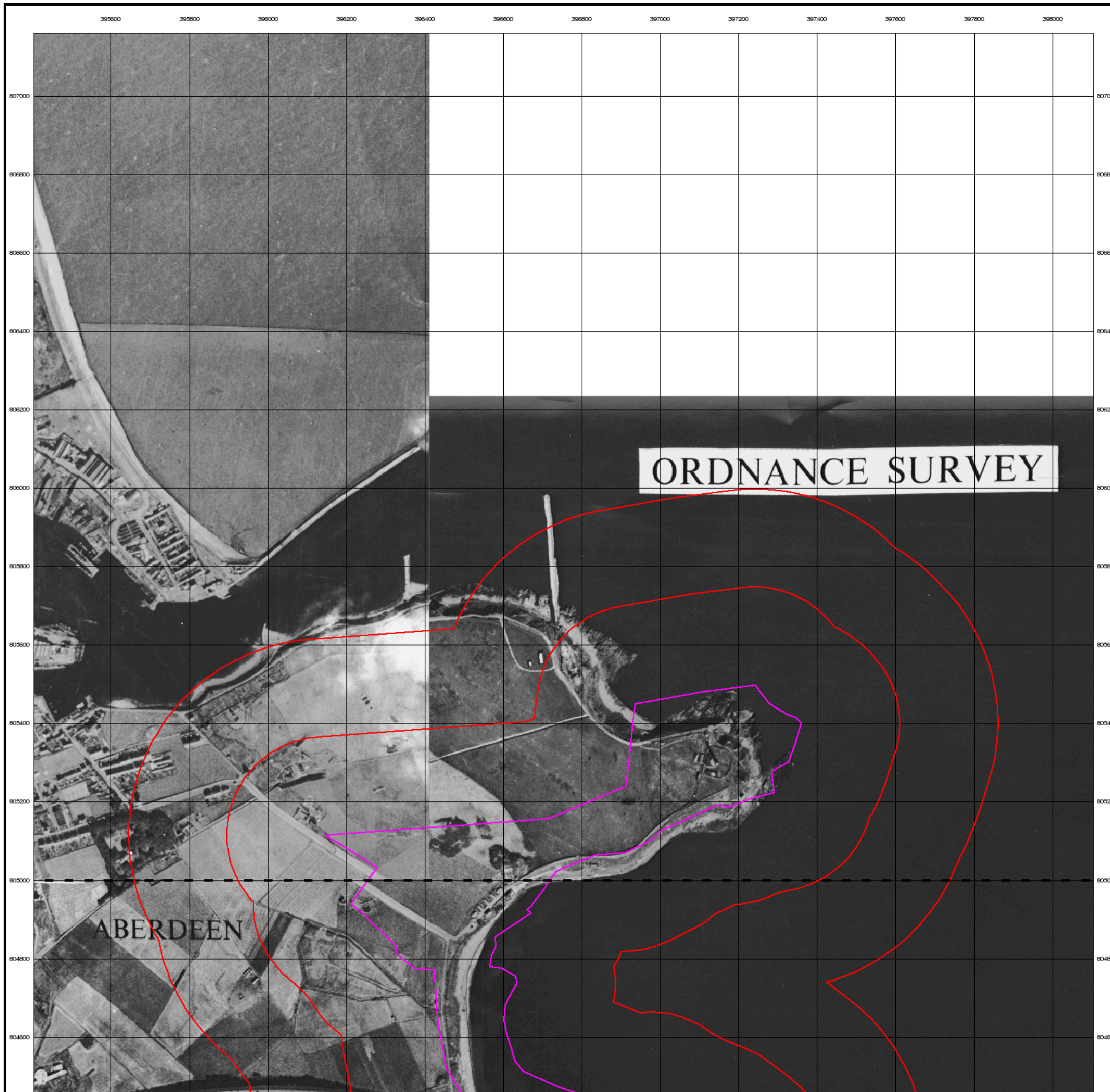
Order Number: 55426788_1_1
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National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City

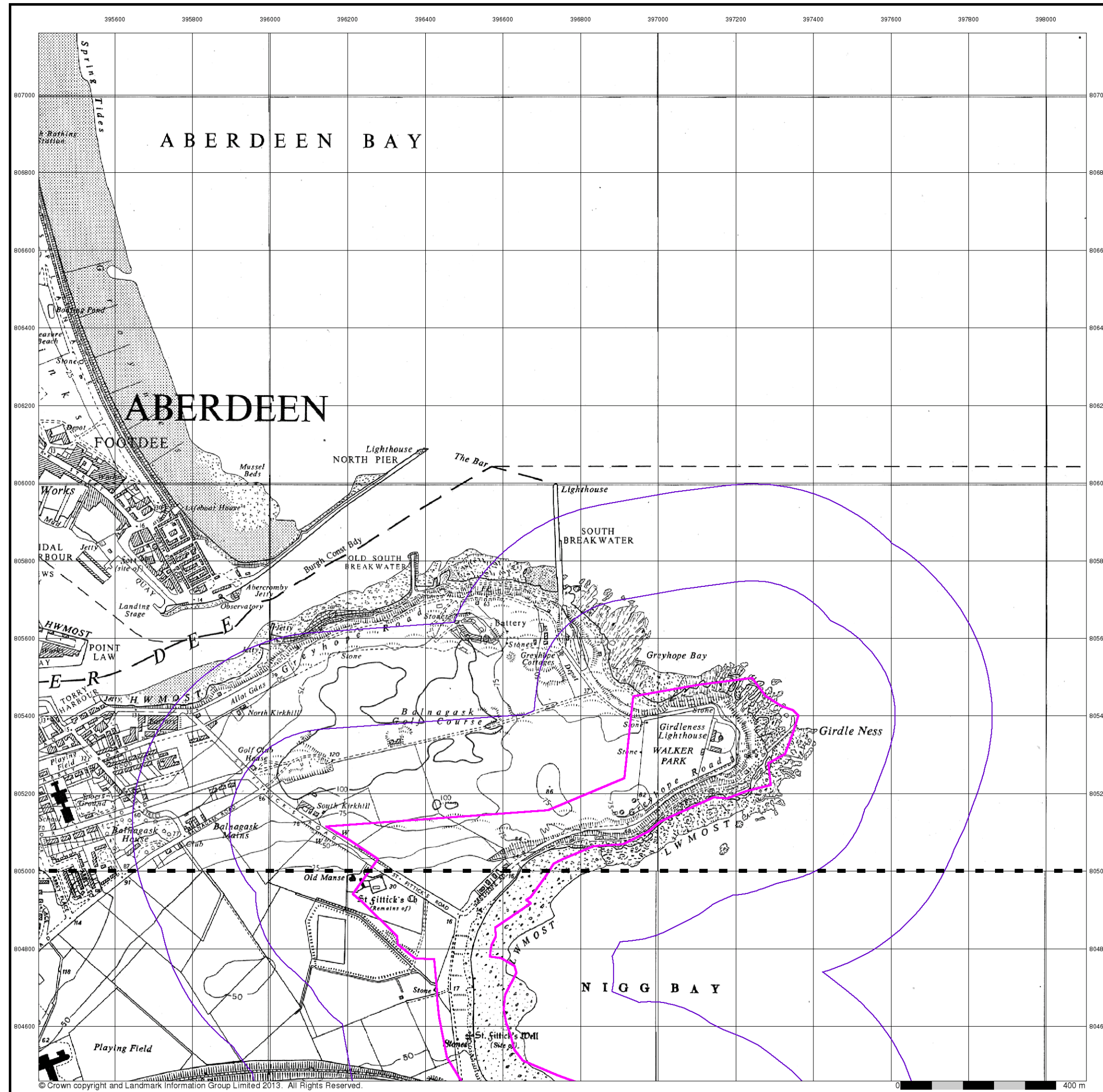


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0 400 m



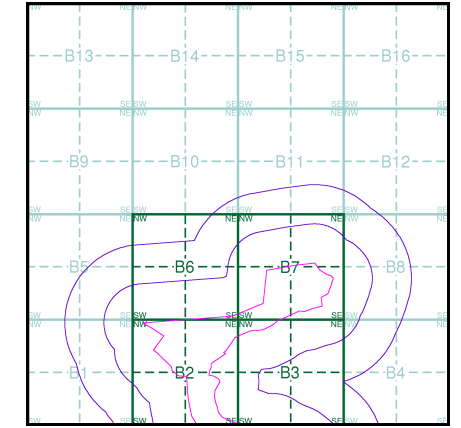
Ordnance Survey Plan
Published 1959
Source map scale - 1:10,000

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)

NJ90NE	1959
1:10,560	
NJ90SE	1959
1:10,560	

Historical Map - Slice B



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



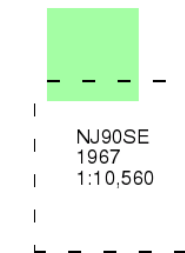
Ordnance Survey Plan

Published 1967

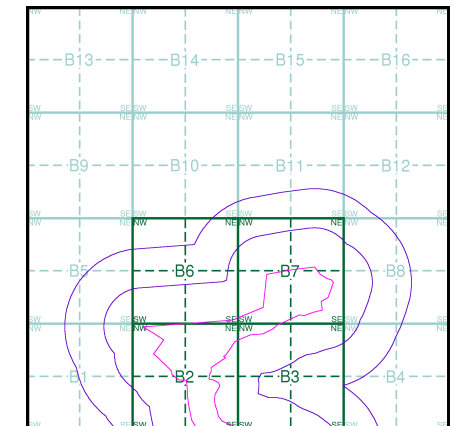
Source map scale - 1:10,000

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 B



Order Details

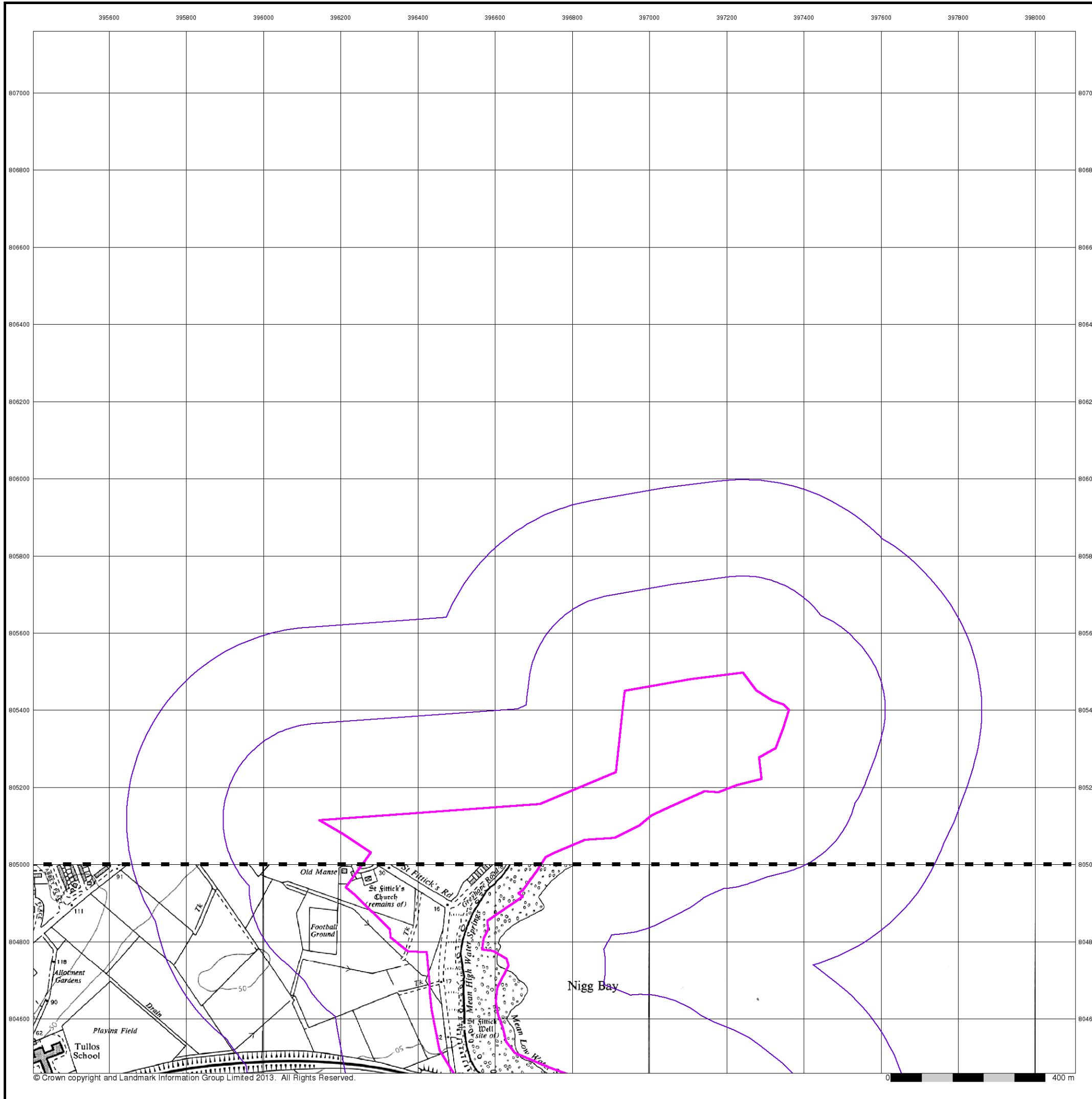
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Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 500

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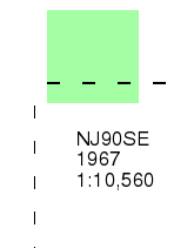
Ordnance Survey Plan

Published 1967

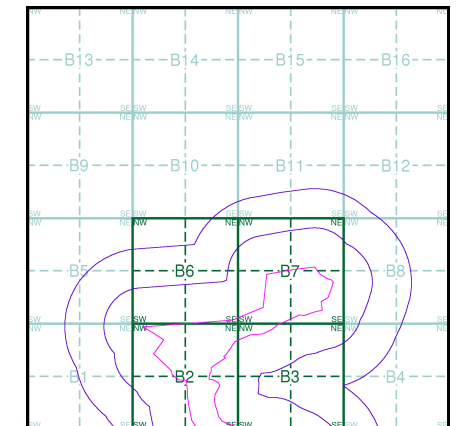
Source map scale - 1:10,000

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 B



Order Details

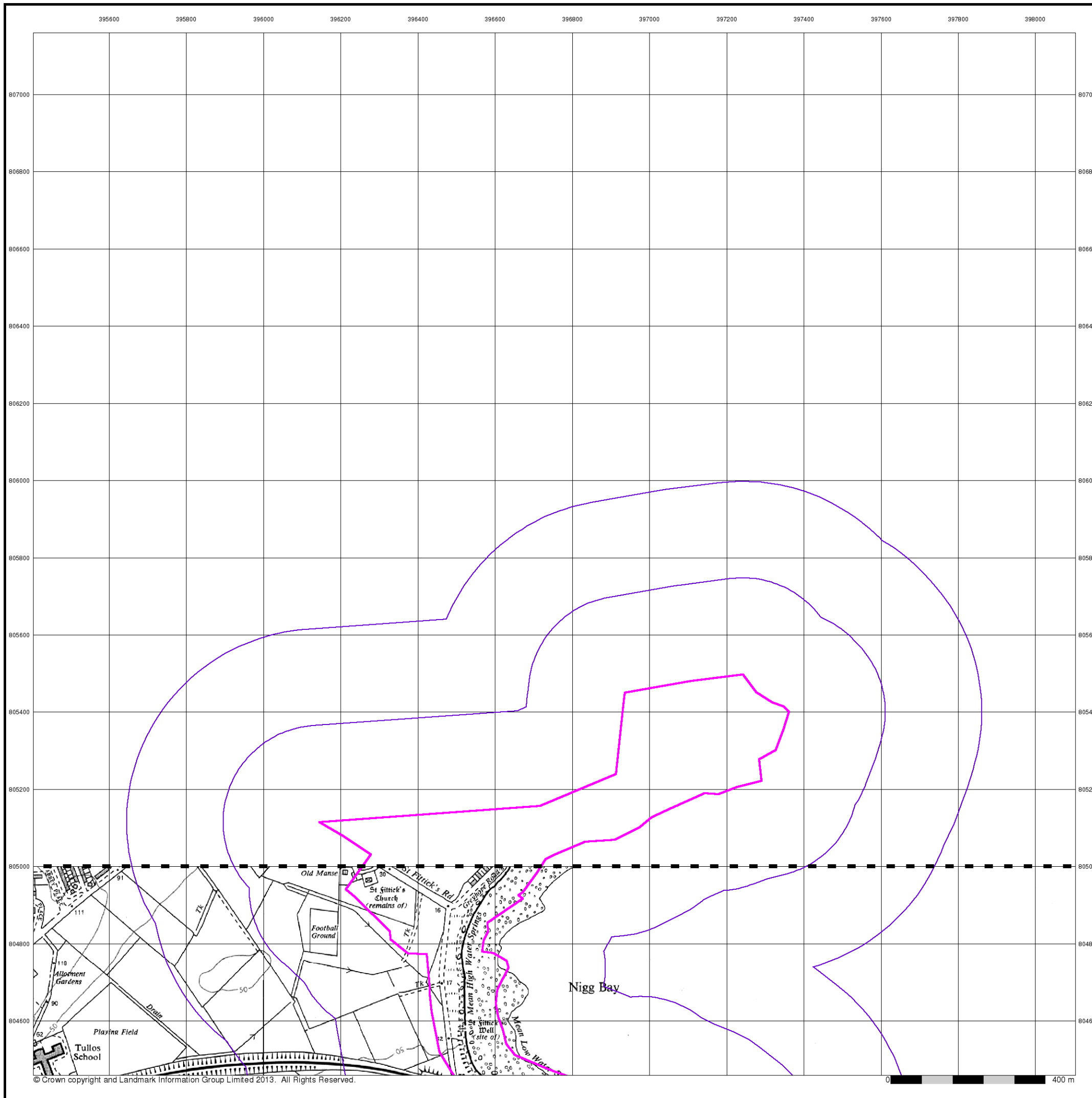
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Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 500

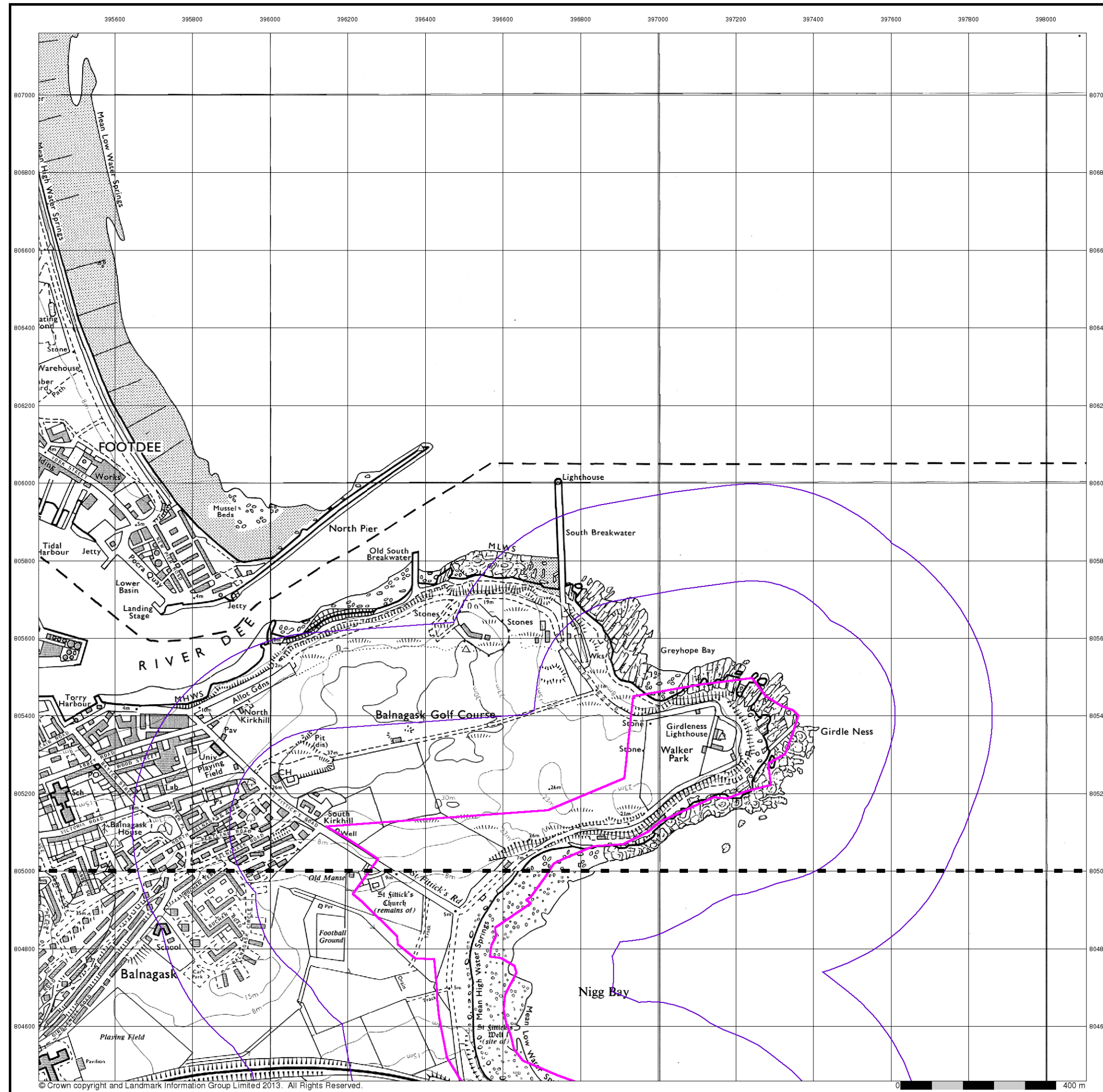
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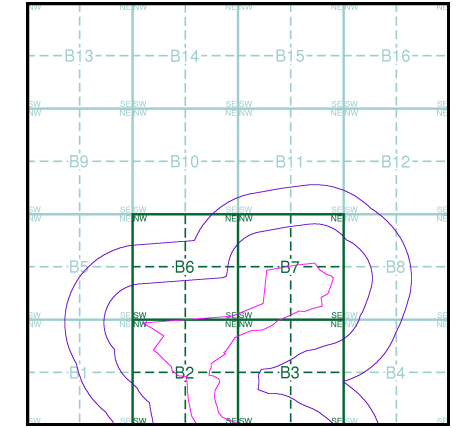
Ordnance Survey Plan
Published 1972 - 1974
Source map scale - 1:10,000

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)

NJ90NE	1972	1:10,000
NJ90SE	1974	1:10,000

Historical Map - Slice B



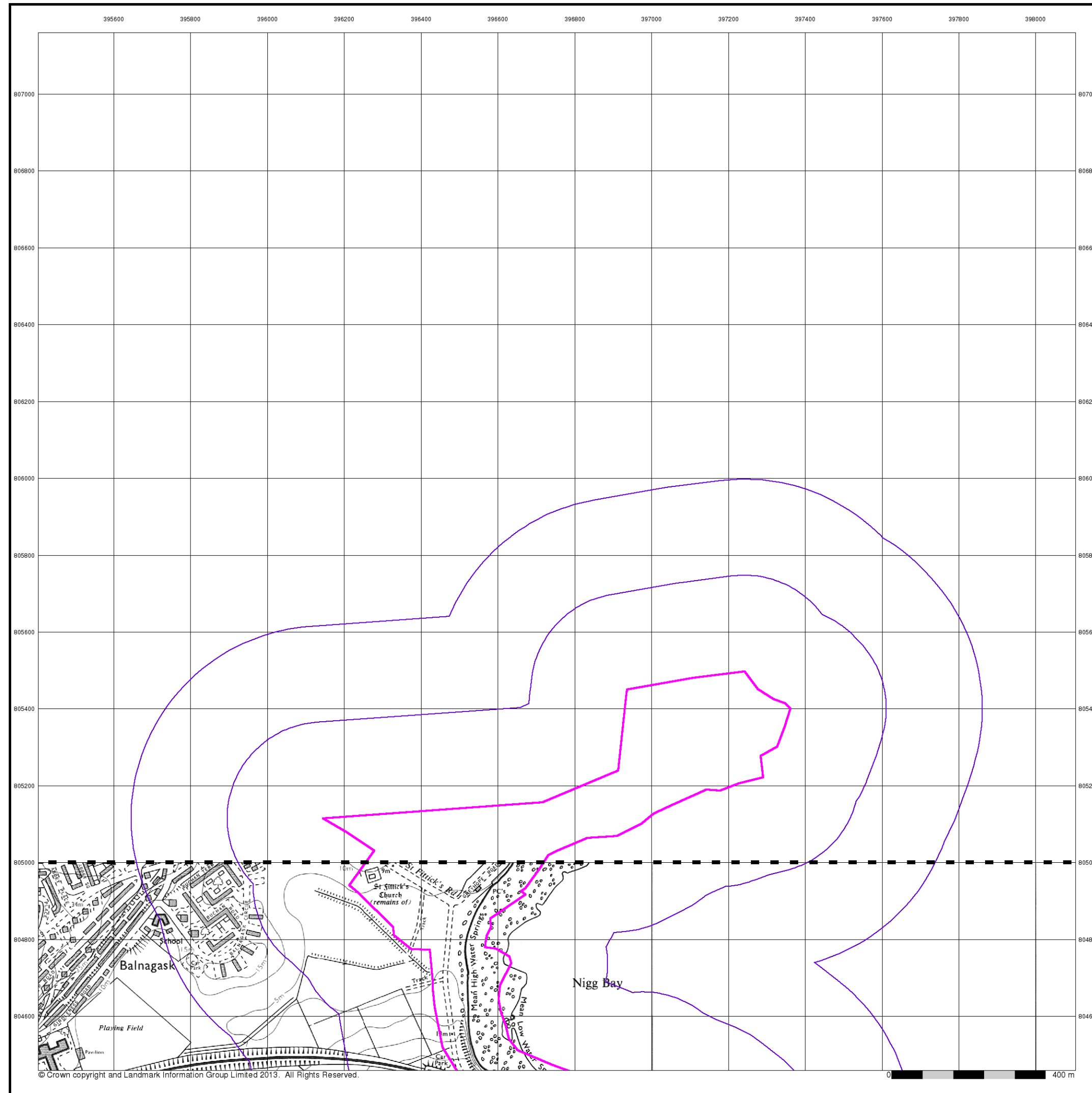
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 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City

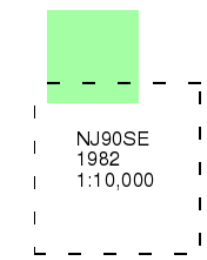
Landmark Information Group
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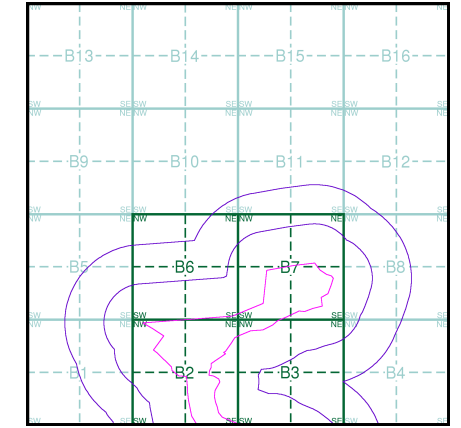
Ordnance Survey Plan
Published 1982
Source map scale - 1:10,000

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 B



Order Details

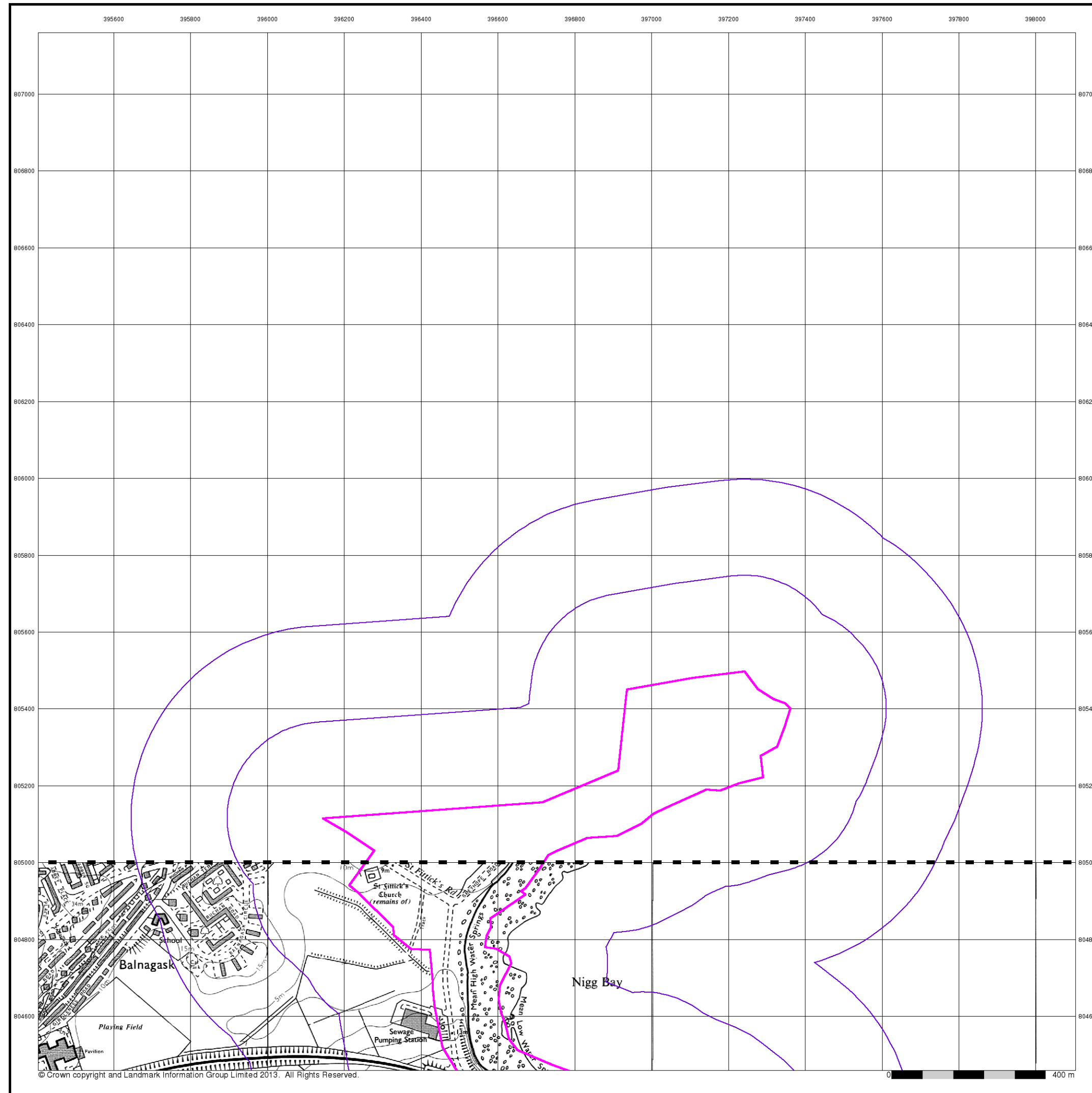
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 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



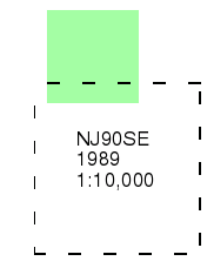
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



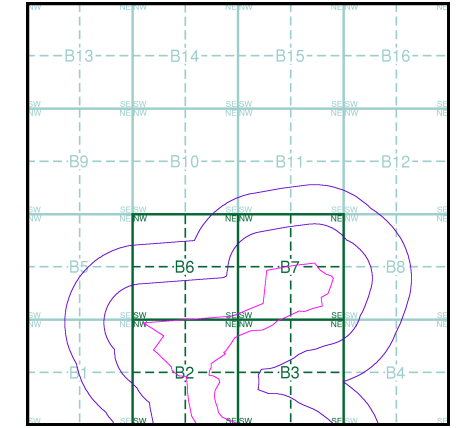
Ordnance Survey Plan
Published 1989
Source map scale - 1:10,000

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 B



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
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 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City

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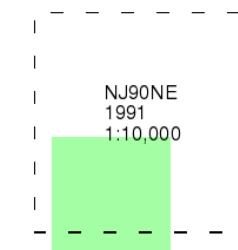
Ordnance Survey Plan

Published 1991

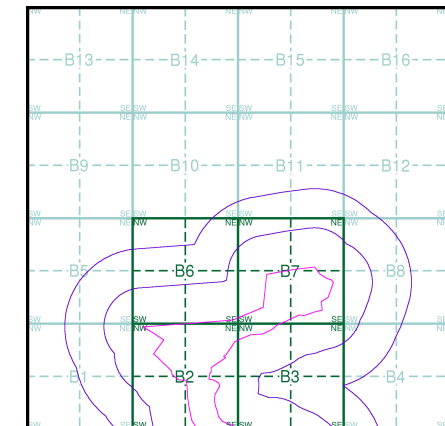
Source map scale - 1:10,000

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 B



Order Details

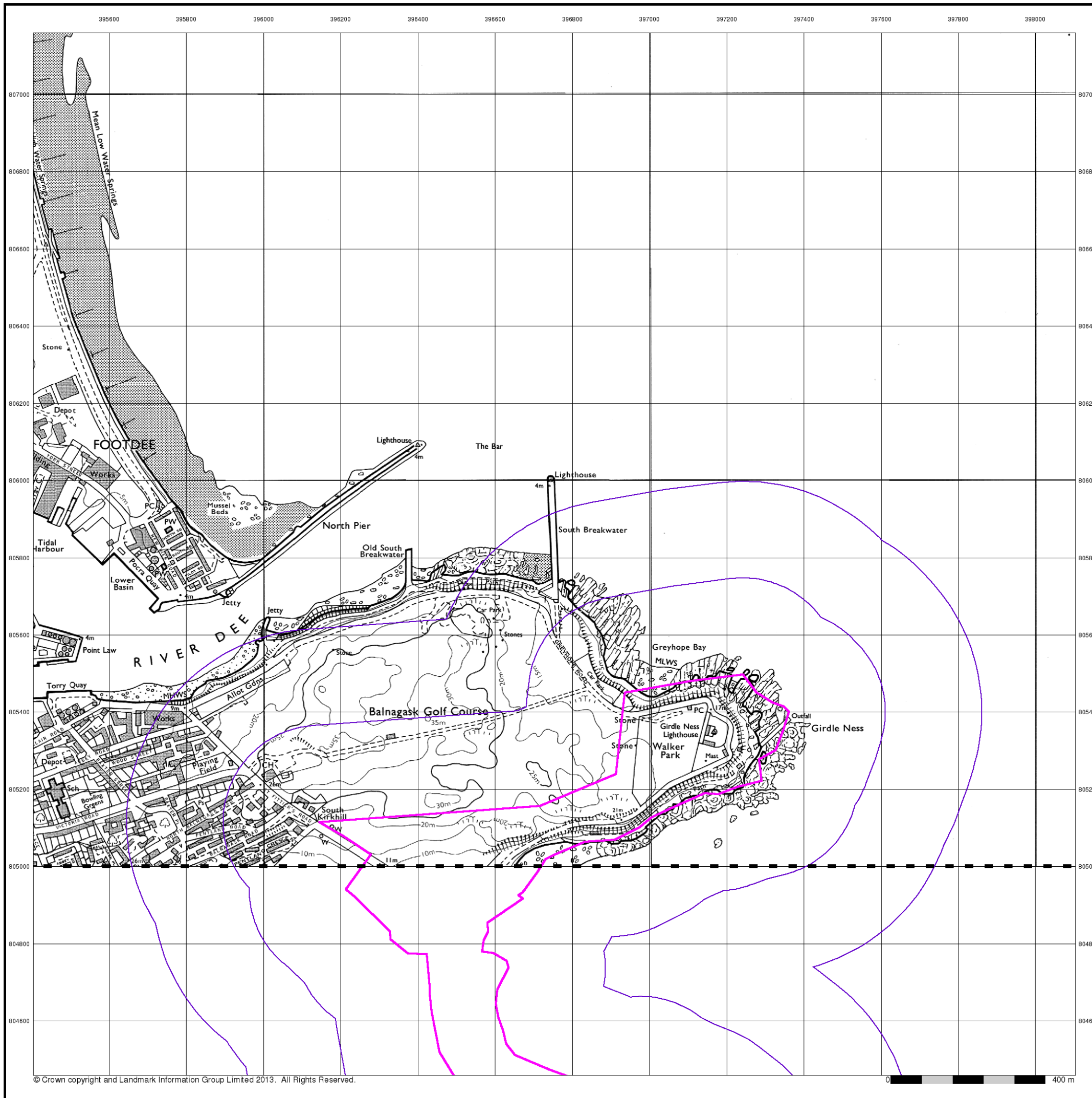
Order Number: 55426788_1_1
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National Grid Reference: 396790, 805160
Slice: B
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10k Raster Mapping

Published 2006

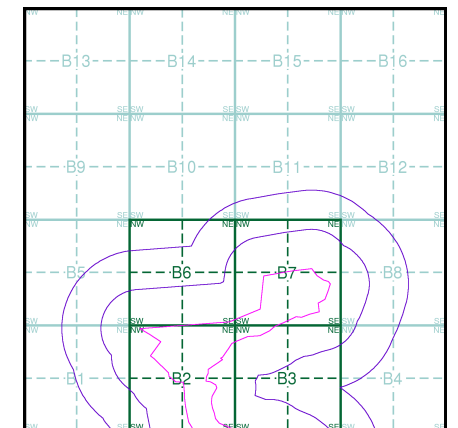
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

NJ90NE	2006
1:10,000	
NJ90SE	2006
1:10,000	

Historical Map - Slice B



Order Details

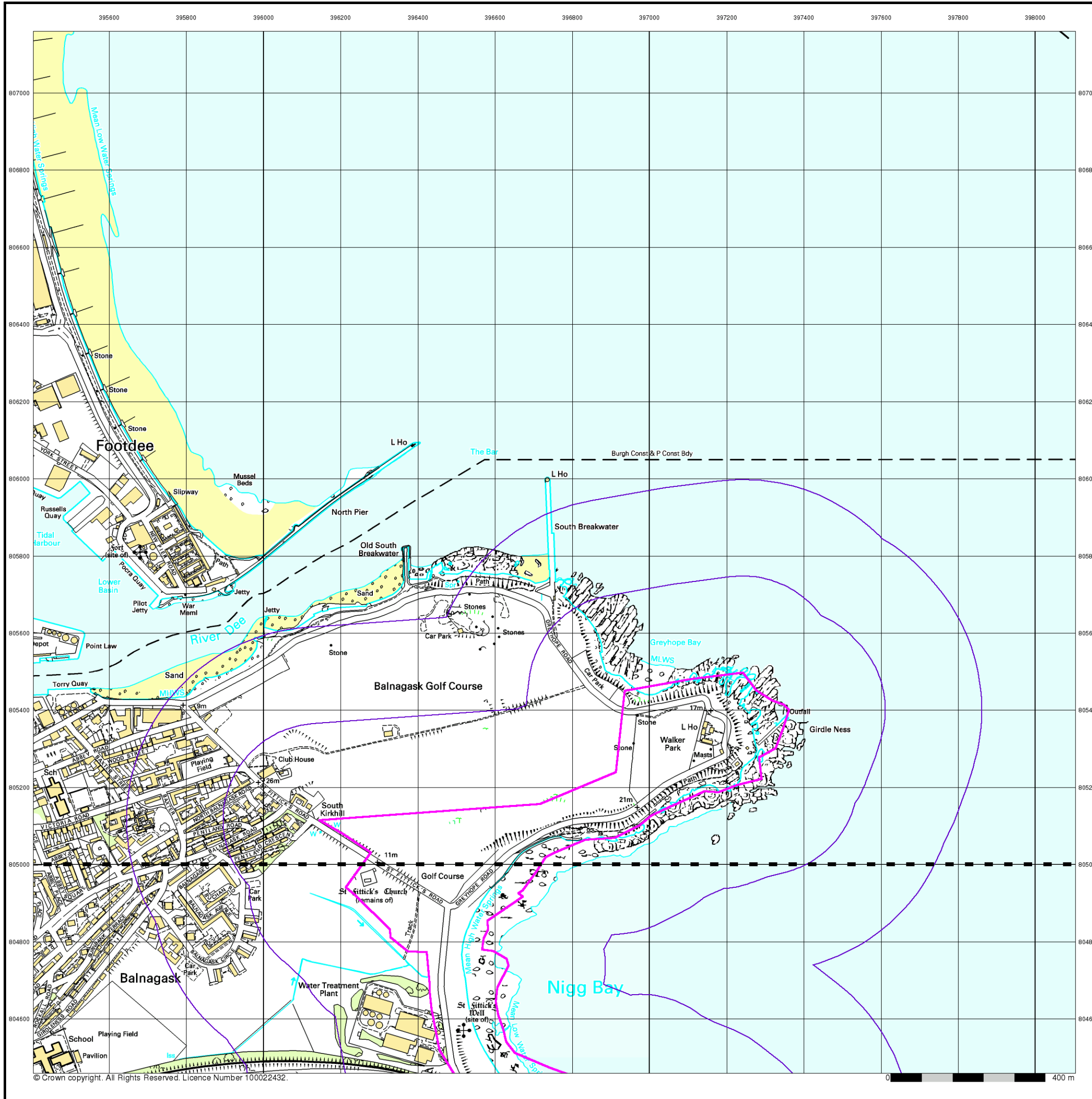
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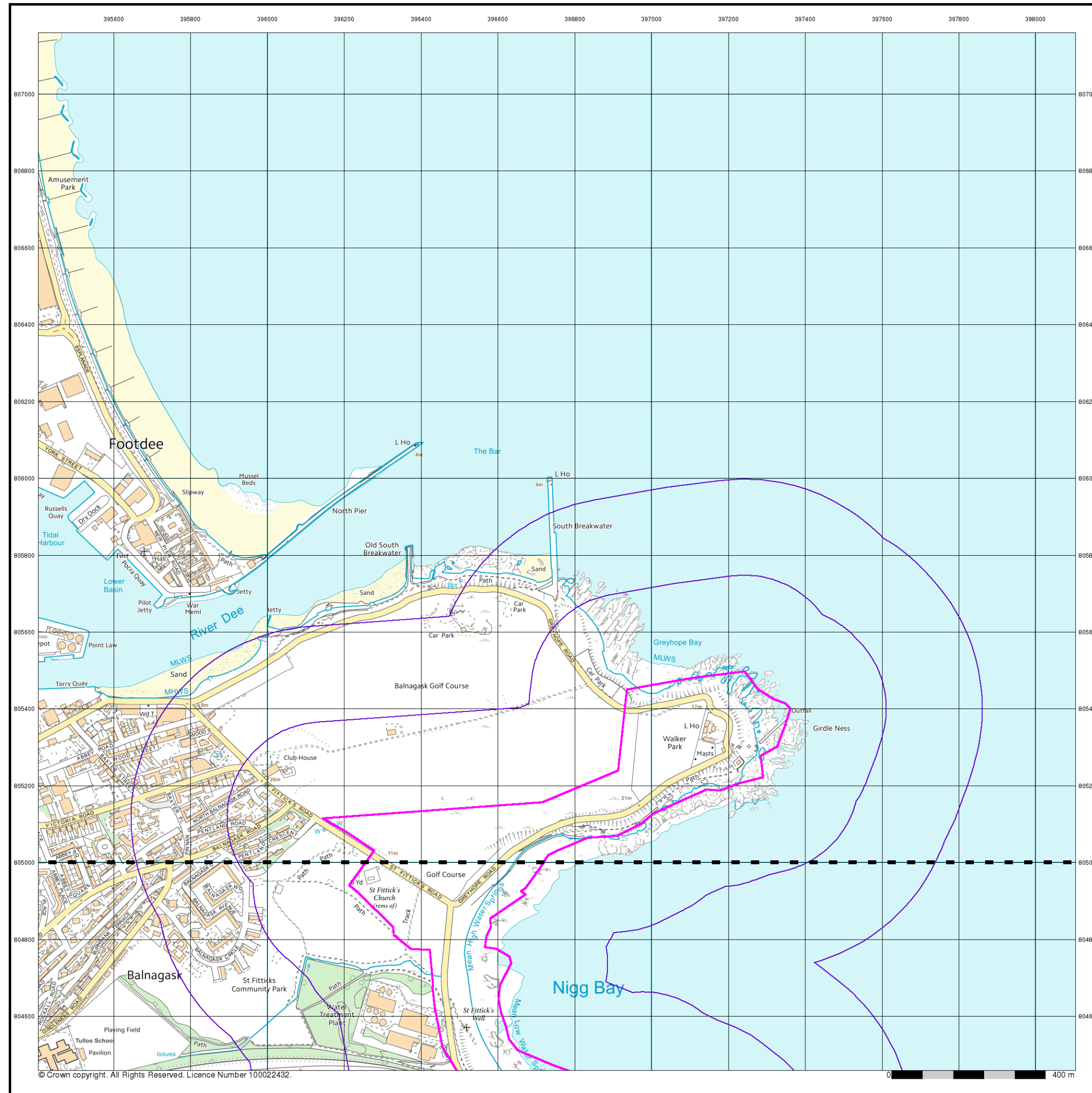
Site Details

Site at, Nigg Bay, Aberdeen City



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VectorMap Local

Published 2014

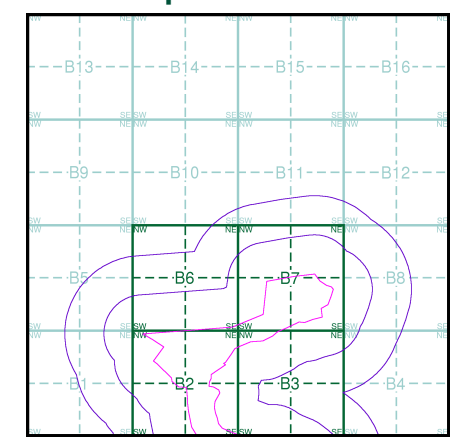
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

- NJ90NE
2014
Variable
- NJ90SE
2014
Variable

Historical Map - Slice B



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

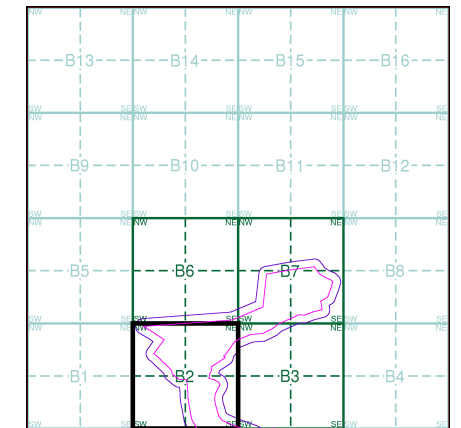
Site at, Nigg Bay, Aberdeen City



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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 Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Segment B2

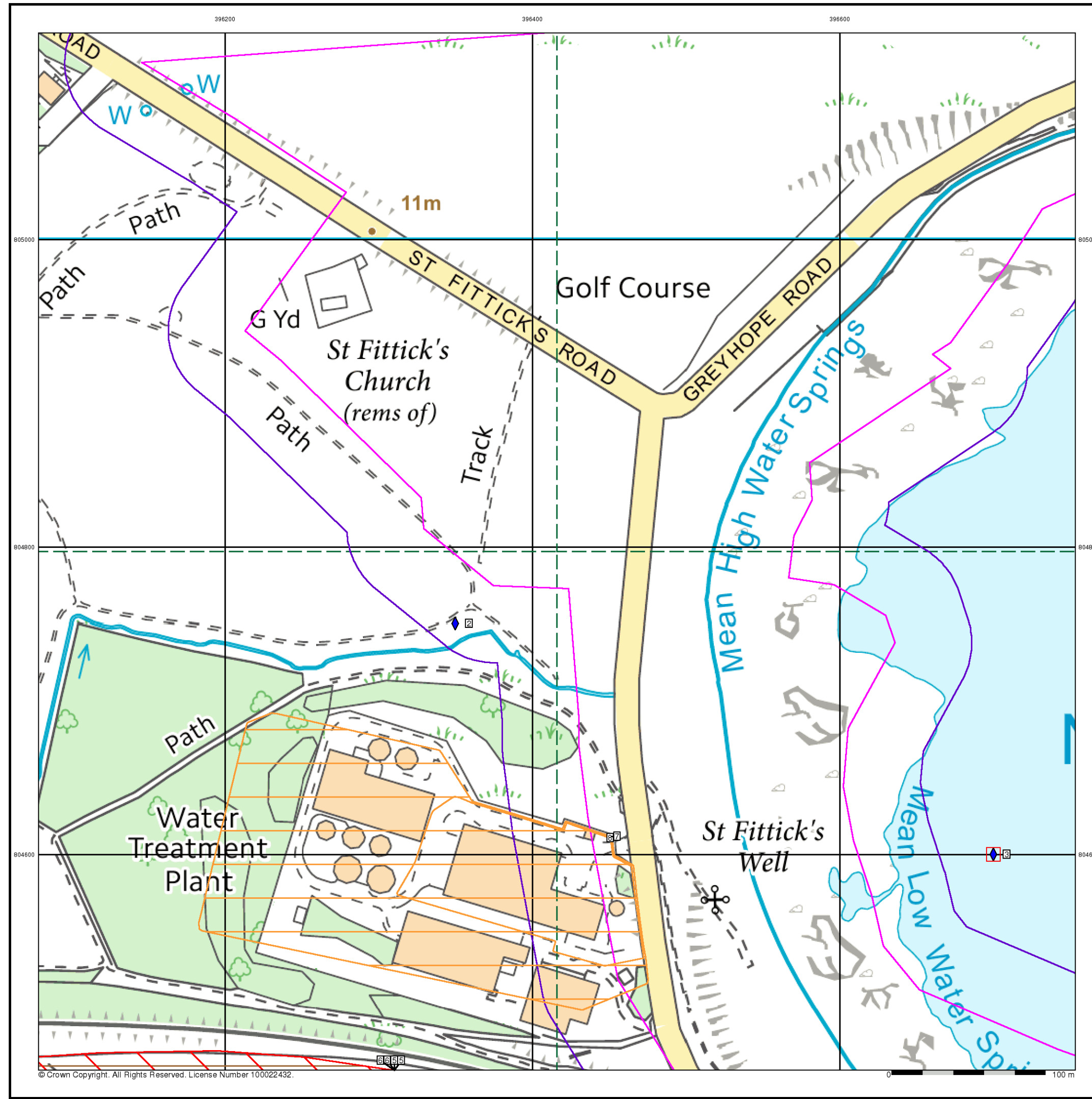


Order Details

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 Slice: B
 Site Area (Ha): 63.21

Site Details

Site at, Nigg Bay, Aberdeen City



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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
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- Integrated Pollution Control Registered Waste Site
- 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

Hazardous Substances

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

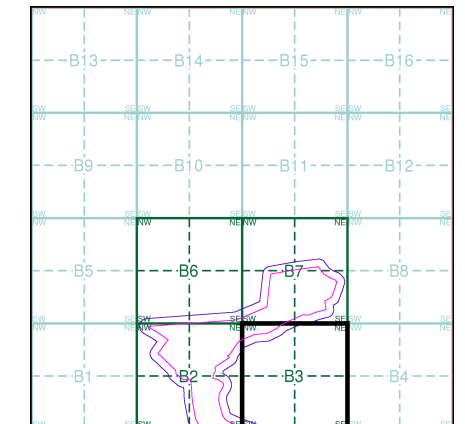
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment B3

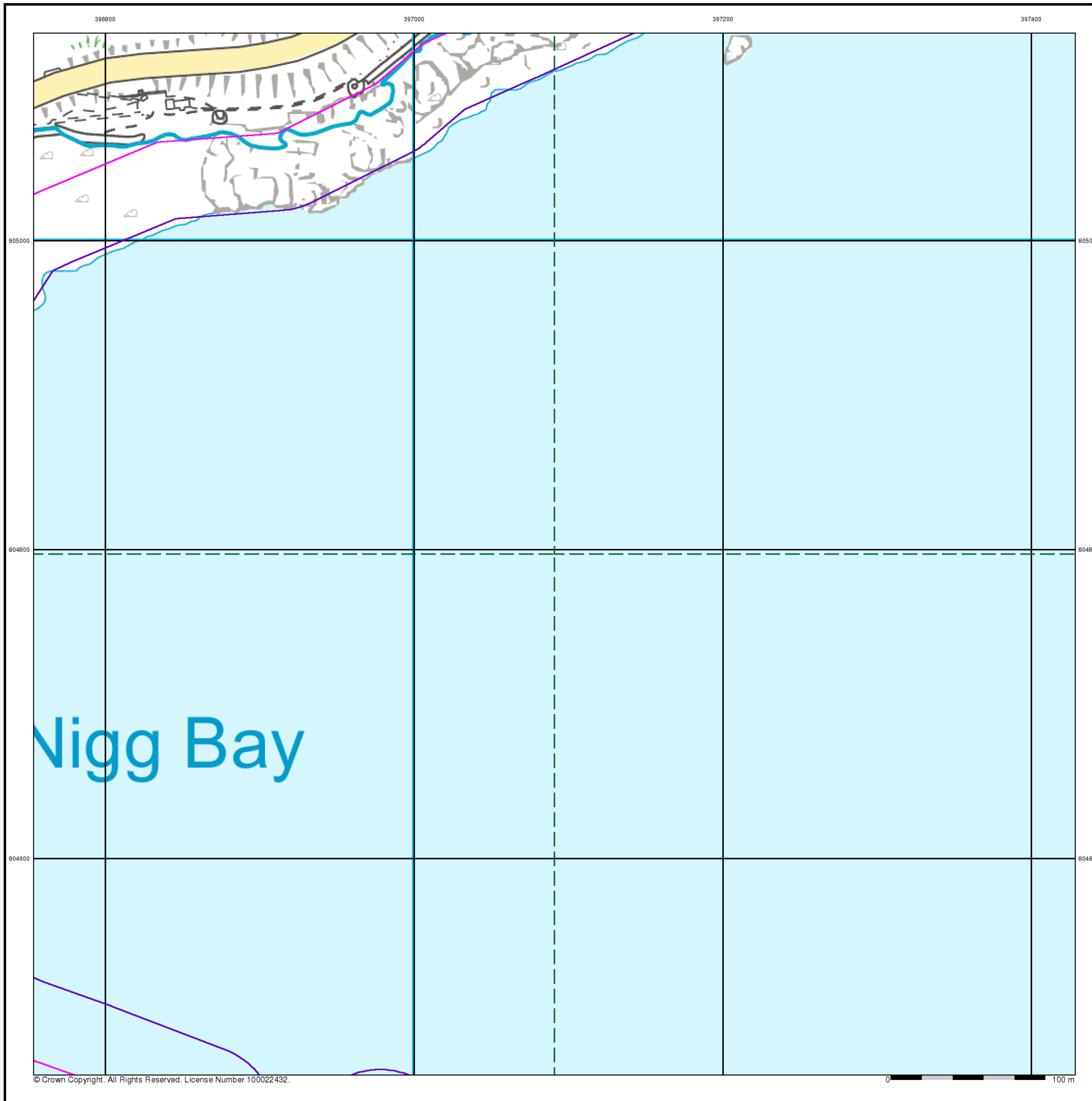


Order Details

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 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21

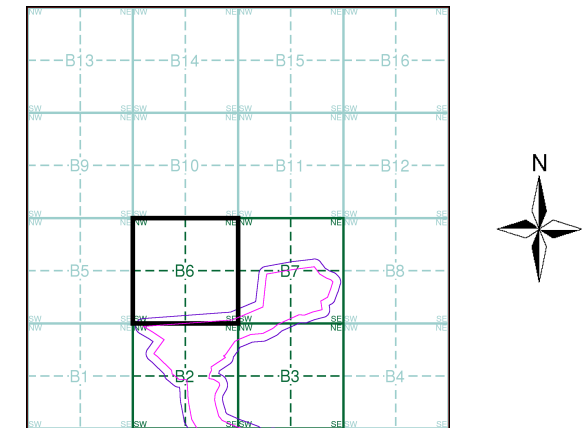
Site Details

Site at, Nigg Bay, Aberdeen City



- 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 and Control
 - Local Authority Integrated Pollution Prevention and Control
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 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
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 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

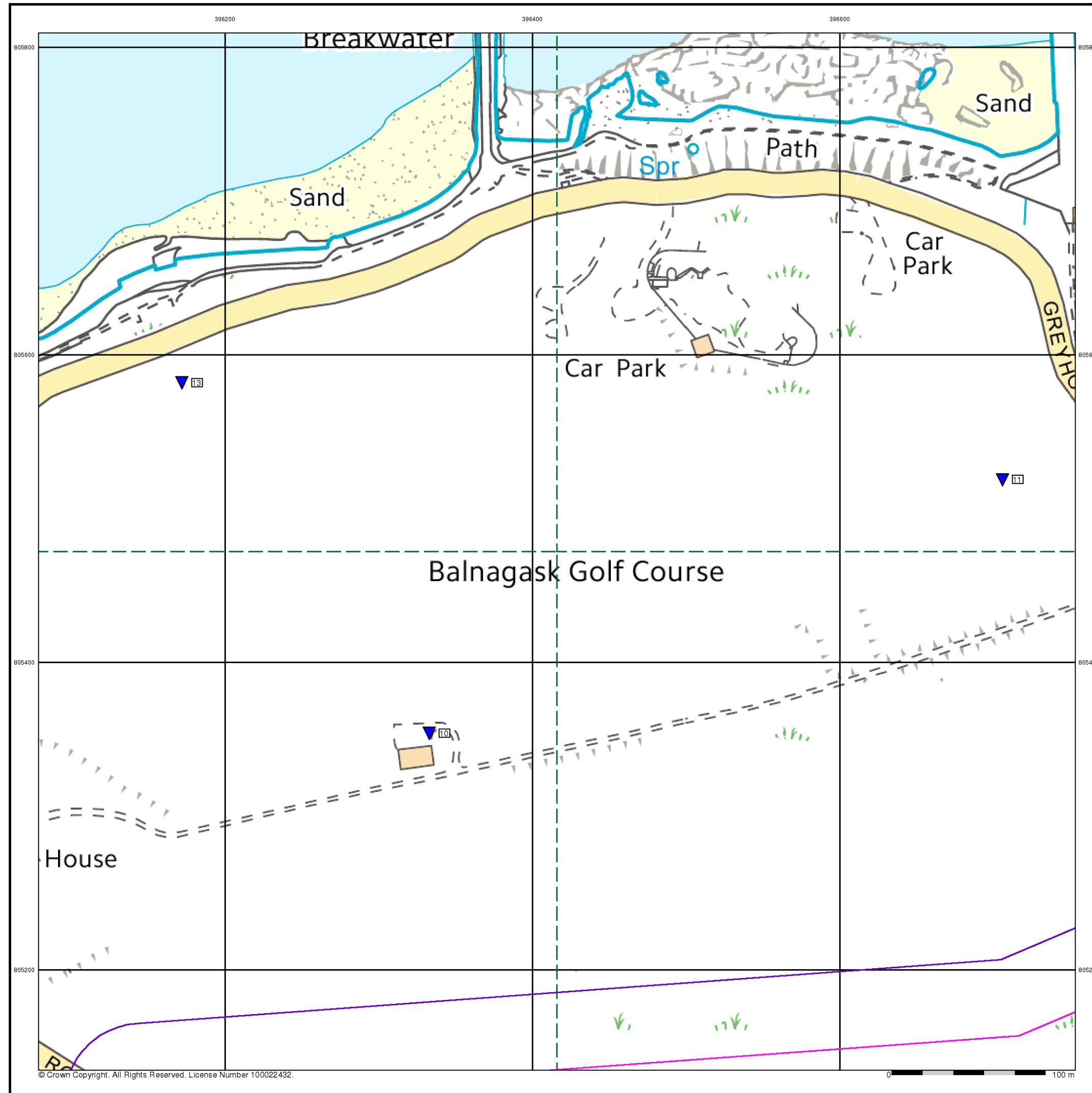
Site Sensitivity Map - Segment B6



Order Details

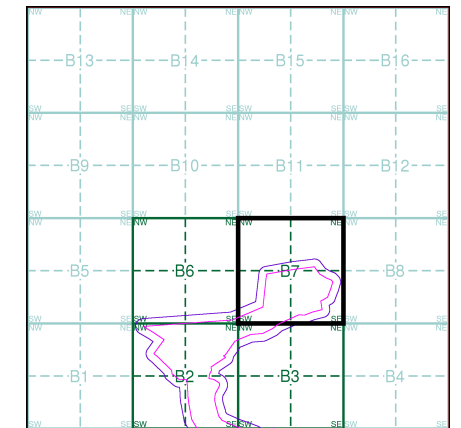
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21

Site Details
 Site at, Nigg Bay, Aberdeen City



- 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 Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

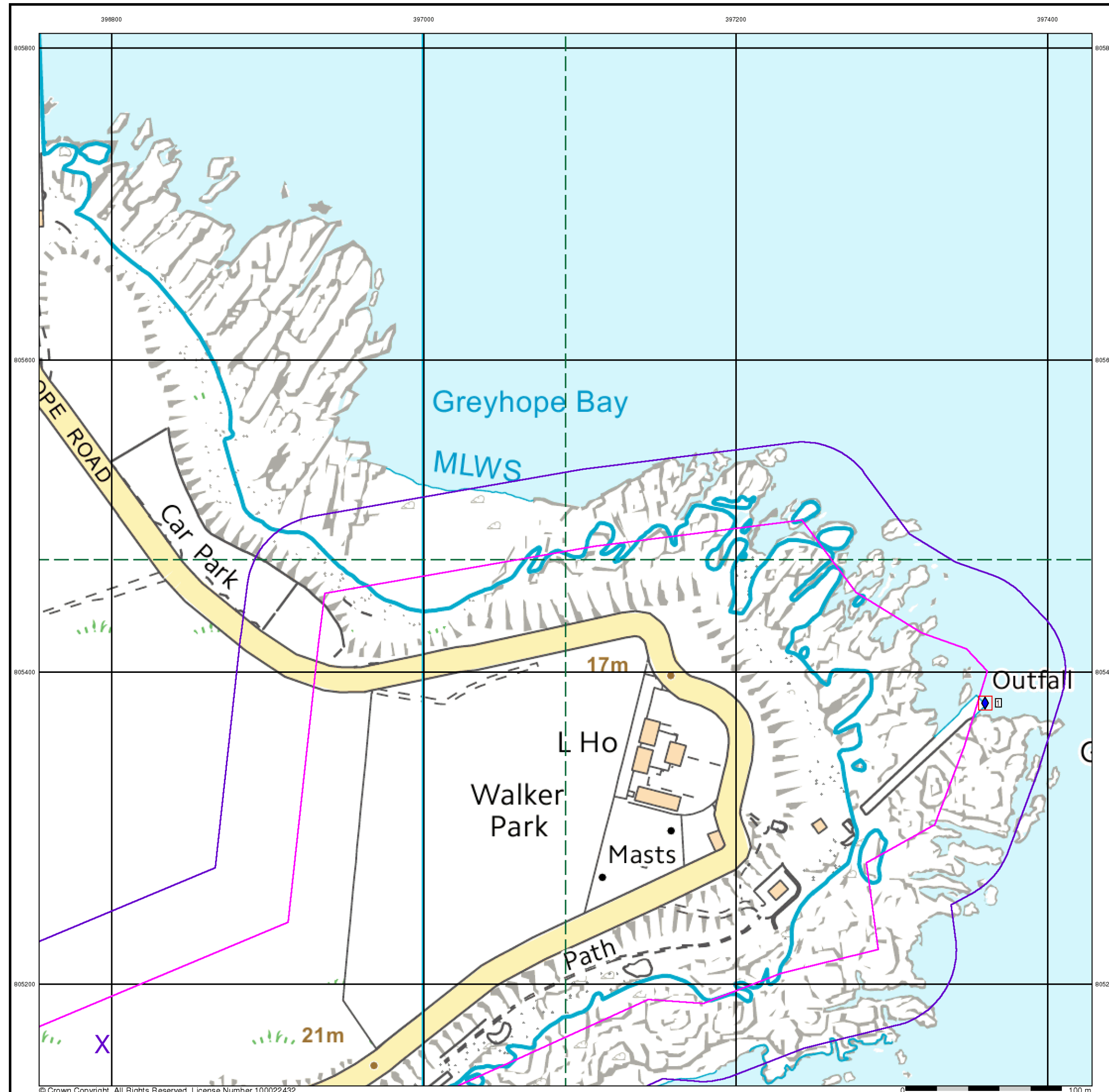
Site Sensitivity Map - Segment B7



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21

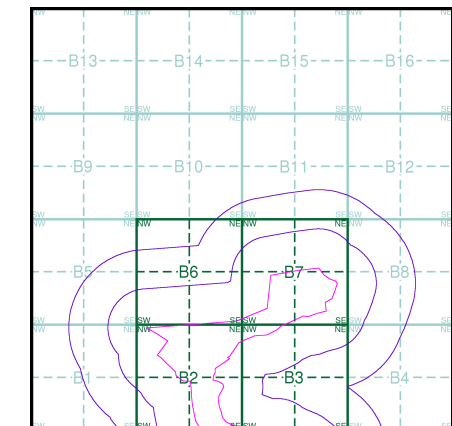
Site Details
 Site at, Nigg Bay, Aberdeen City



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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Types 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 and Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - Integrated Pollution Control Registered Waste Site
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Slice B

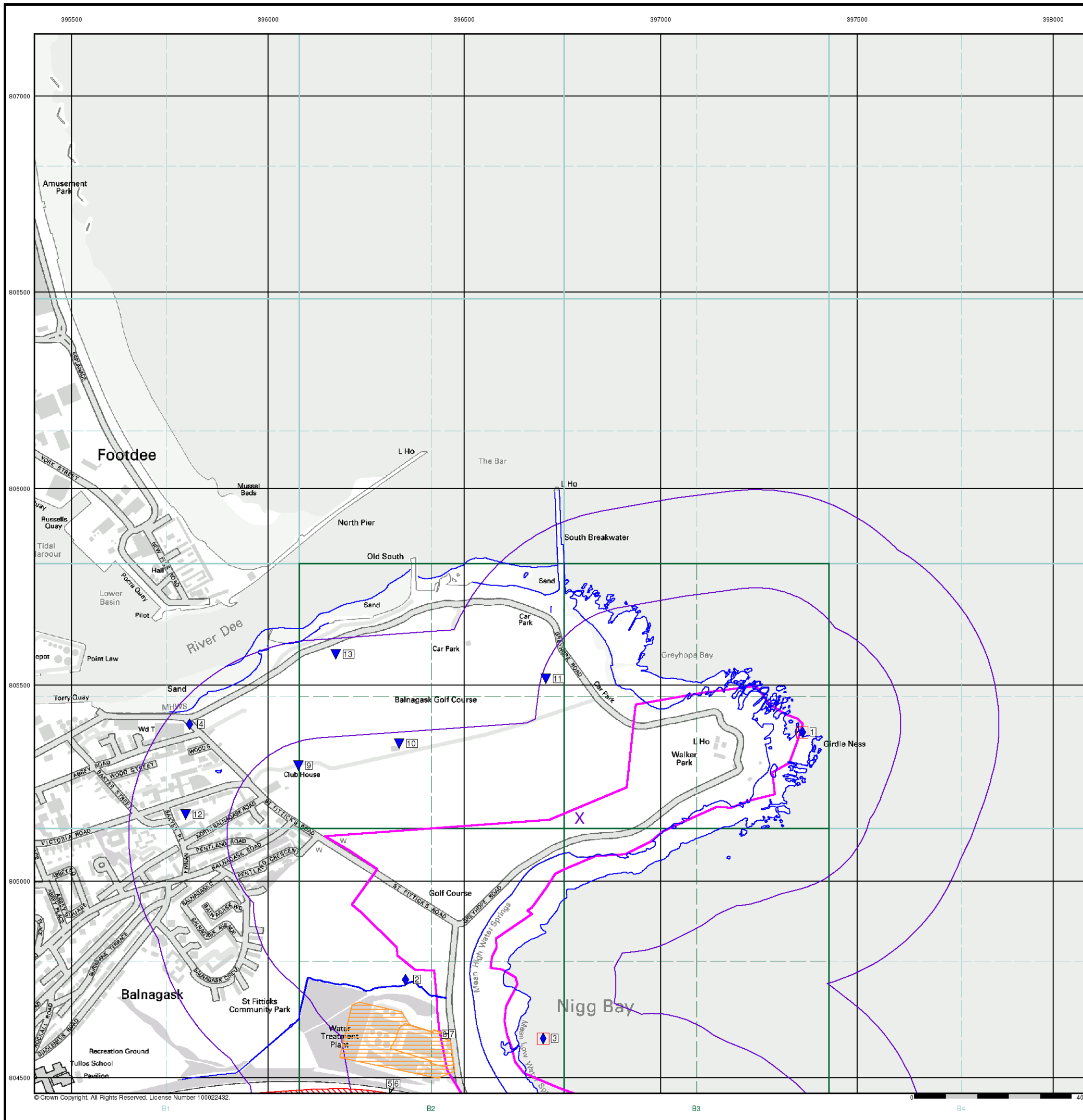


Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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General

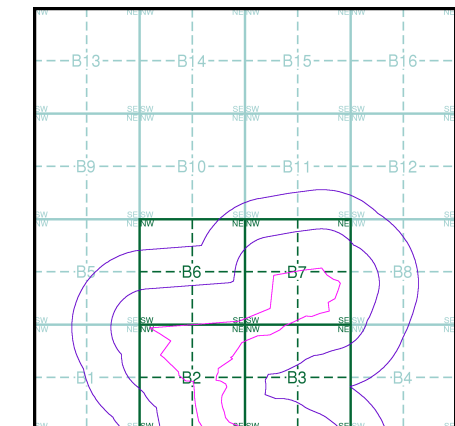
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- 0 - 1m estimated 100yr flood depth
- 1 - 2m estimated 100yr flood depth
- Over 2m estimated 100yr flood depth

The flooded areas have been generated using a generalised technique and should not, by themselves, be used to infer that specific areas are or are not at risk of inundation. Flood risk at any specific location may be influenced by local factors - not least flood defence - that have not been taken into account.

Flood Map - Slice B



Order Details

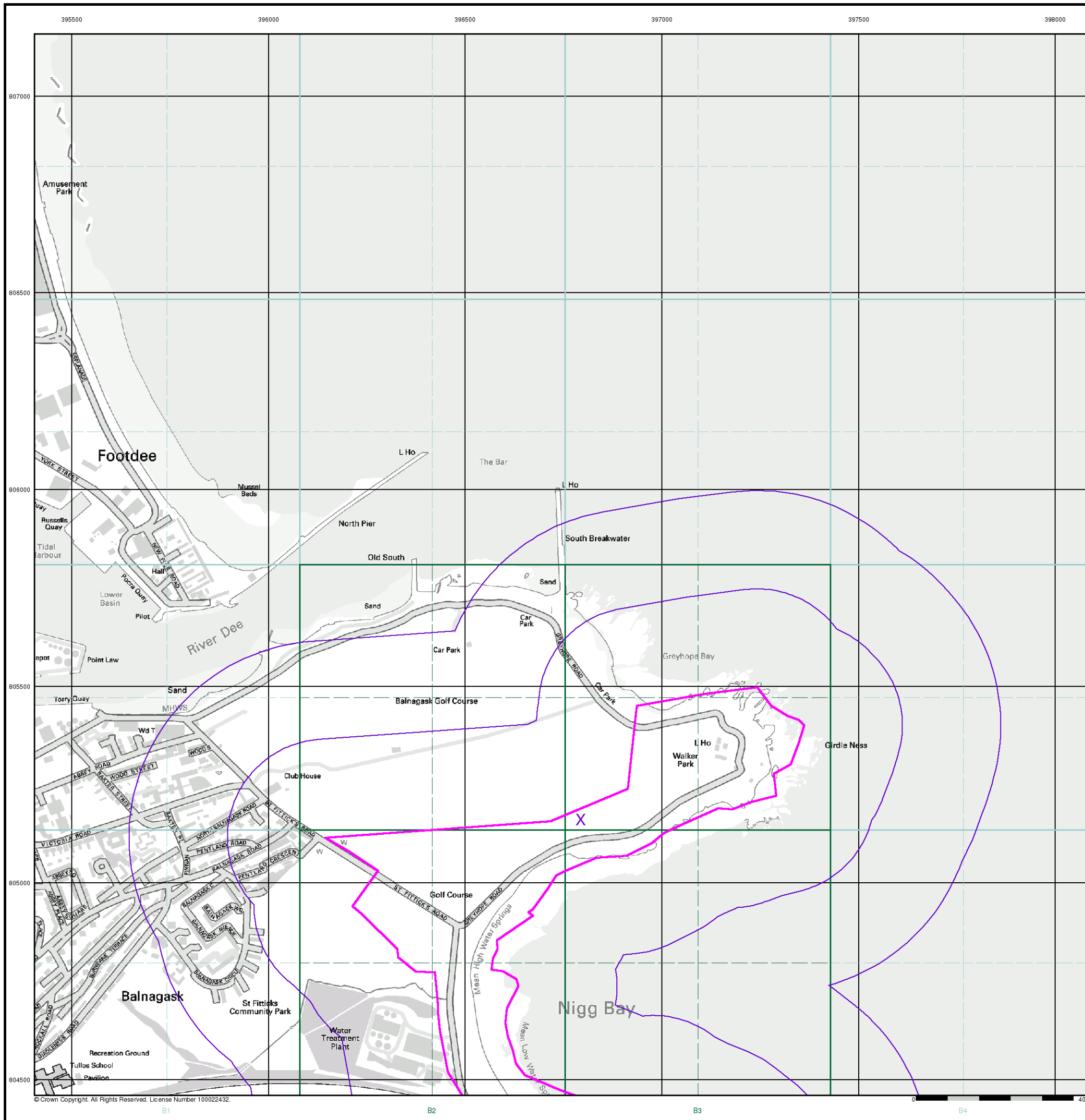
Order Number: 55426788_1_1
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 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

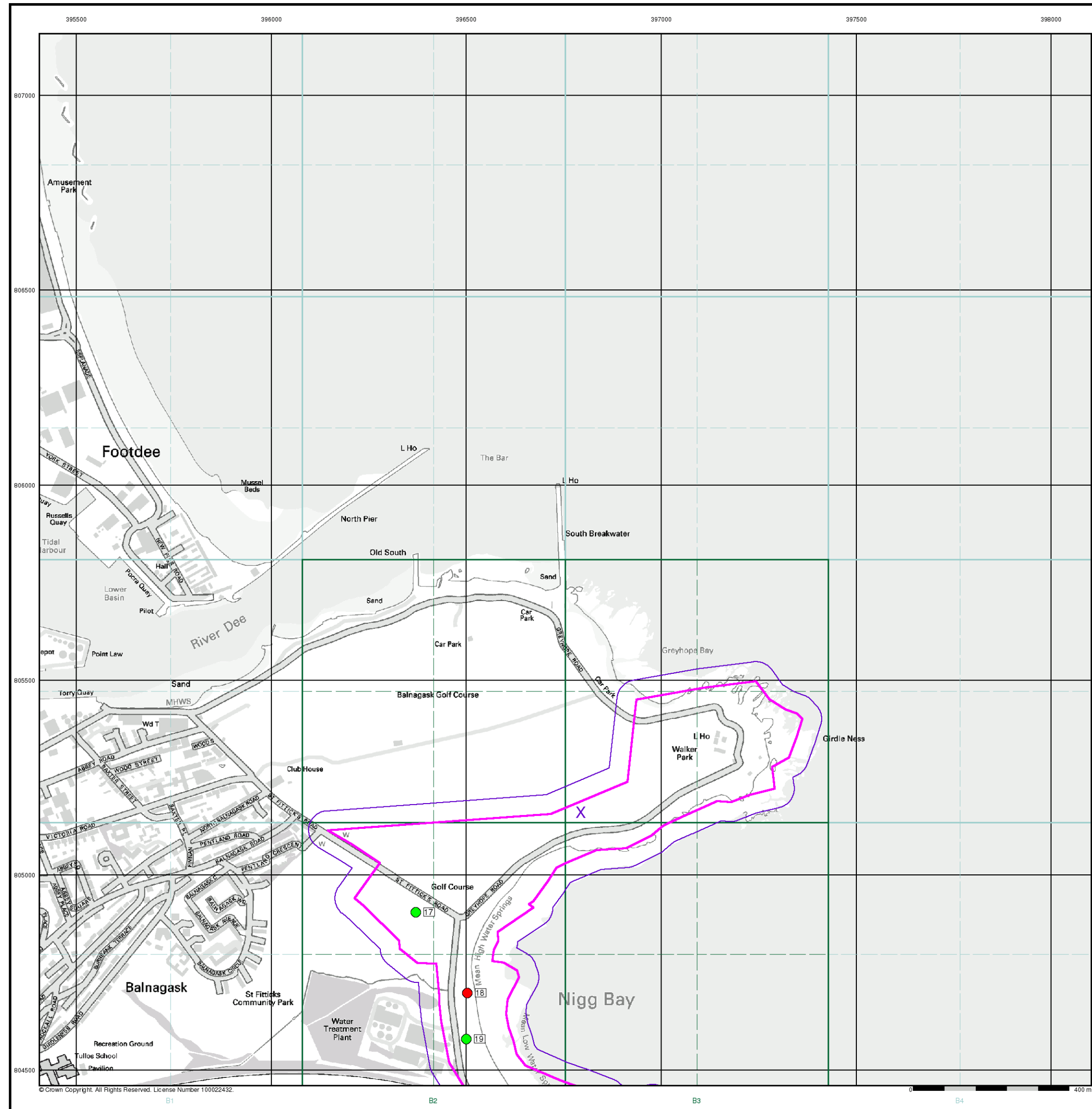
Site at, Nigg Bay, Aberdeen City



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General

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

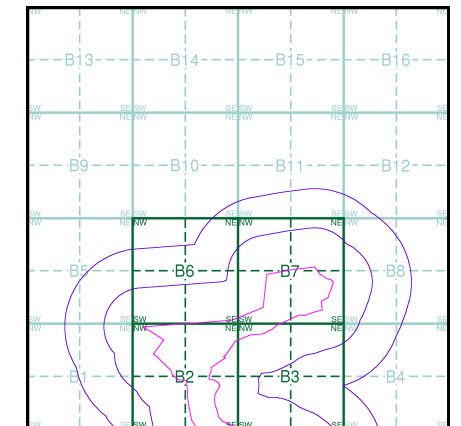
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice B



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



General

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

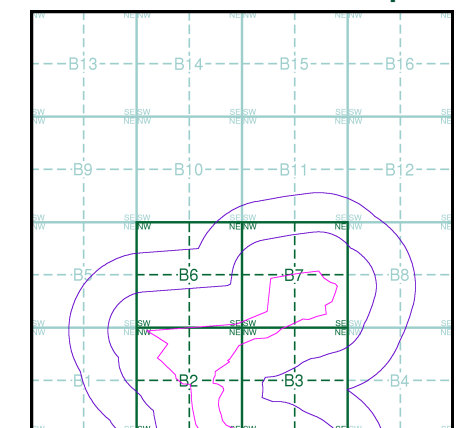
EA Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

- Standard Contour 105
- Index Contour 100
- 167.3 Spot Height
- 45.8 Air Height

EA Detailed River Network Map - Slice B



Order Details

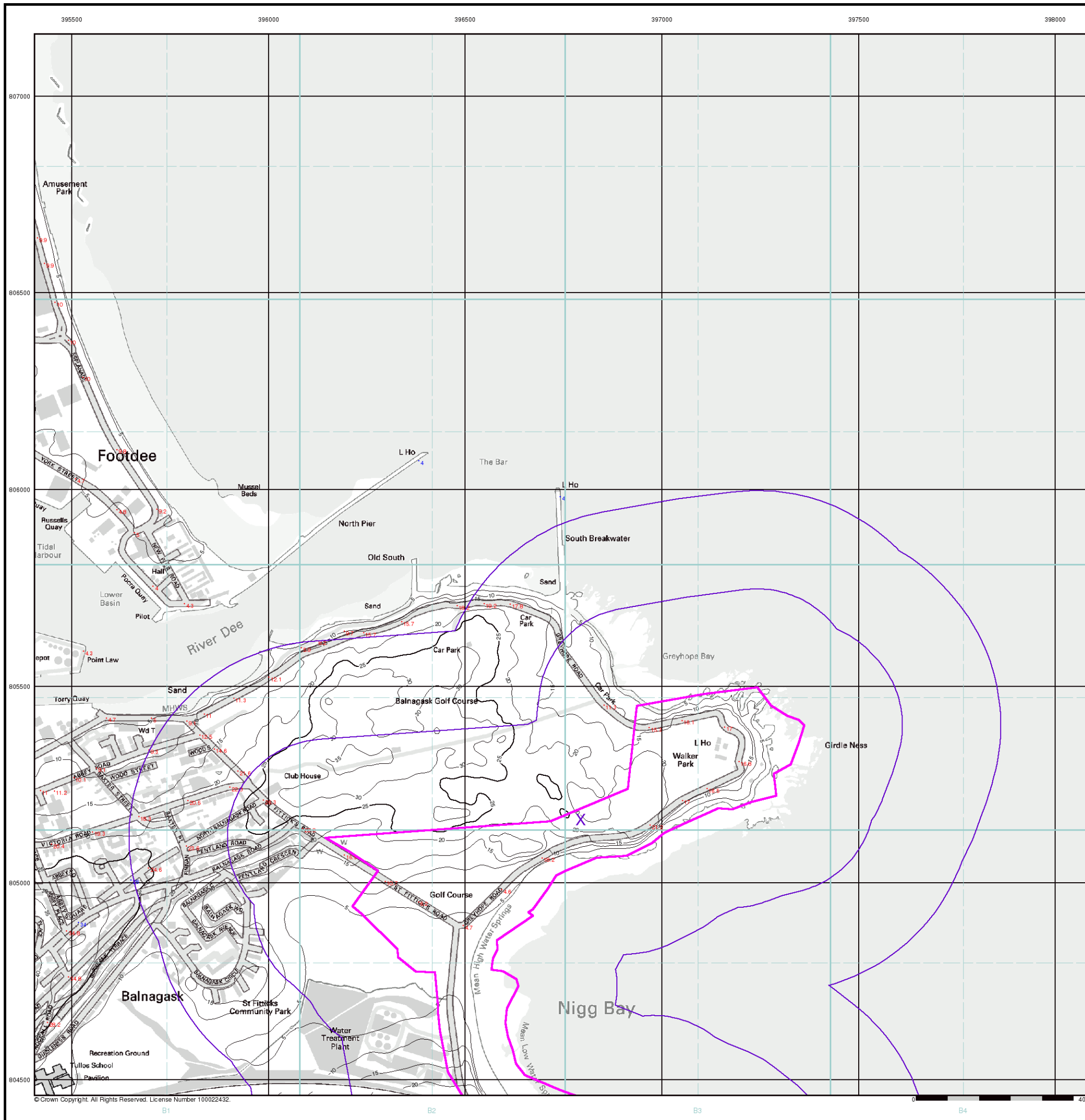
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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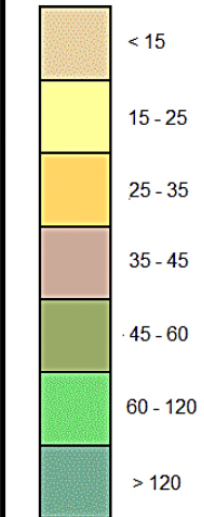


General

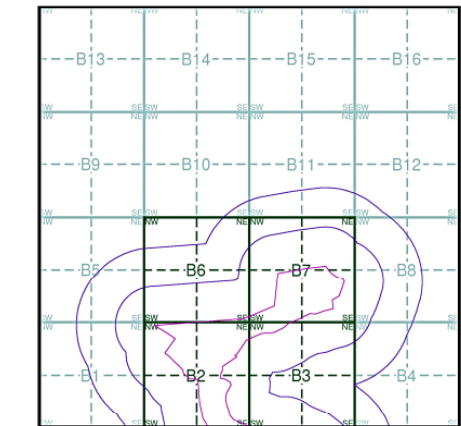
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice B



Order Details

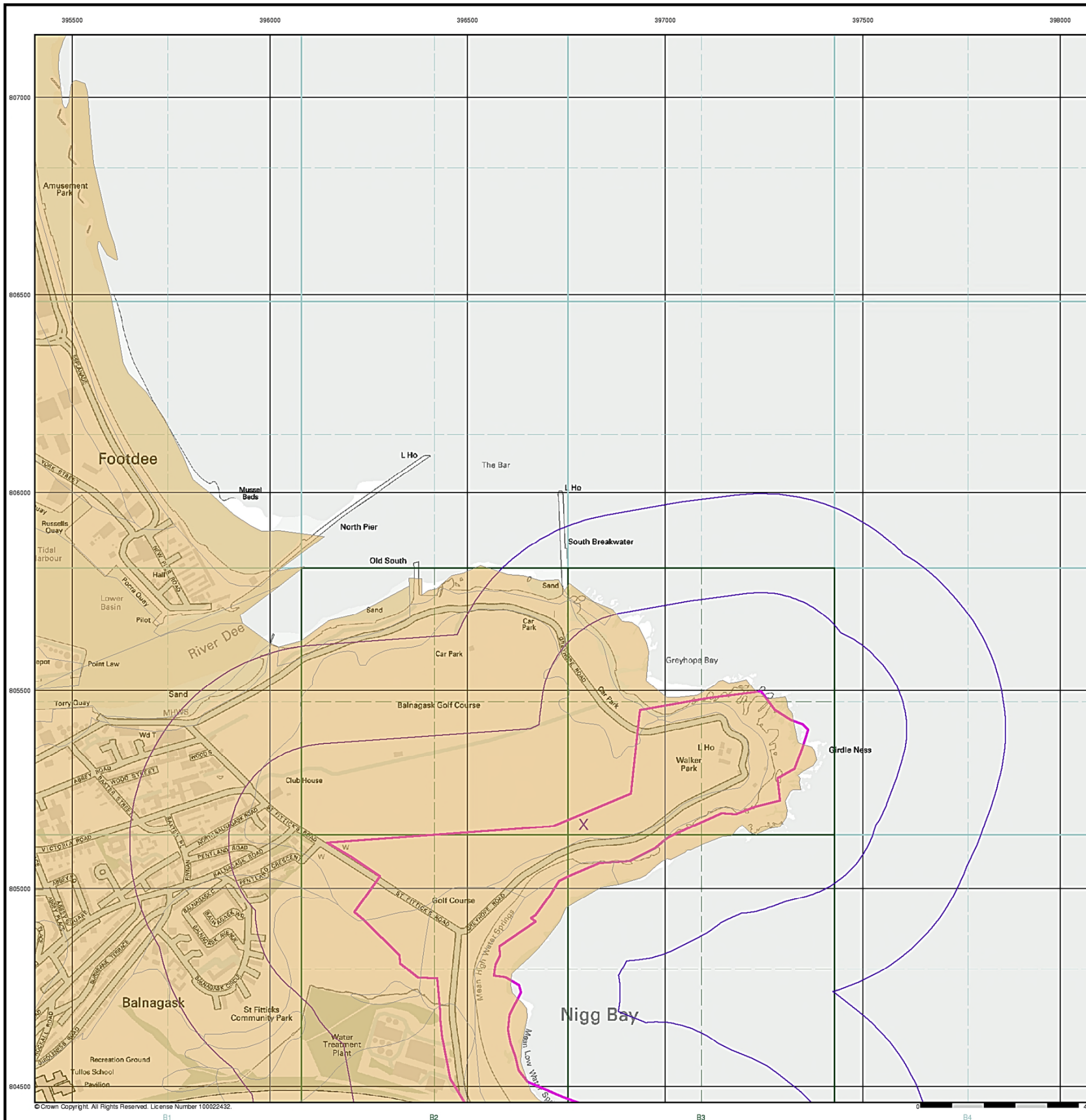
Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

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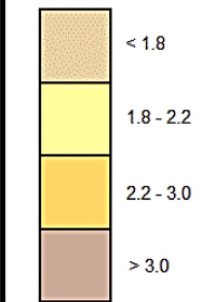


General

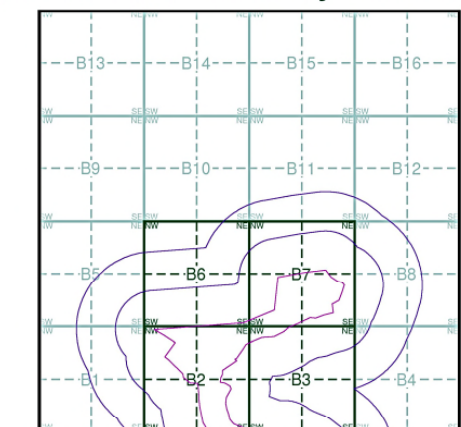
- ⬠ Specified Site
- ⬠ Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice B



Order Details

Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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 Fax: 0844 844 9951
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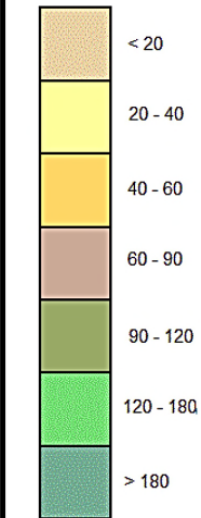


General

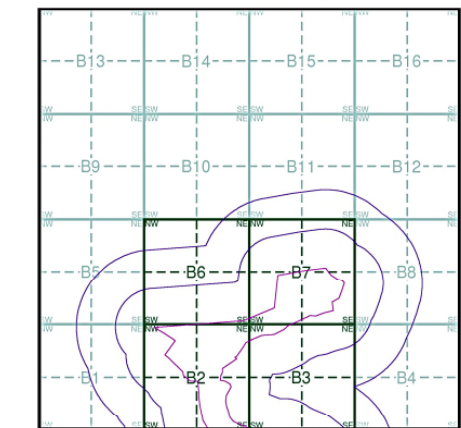
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice B



Order Details

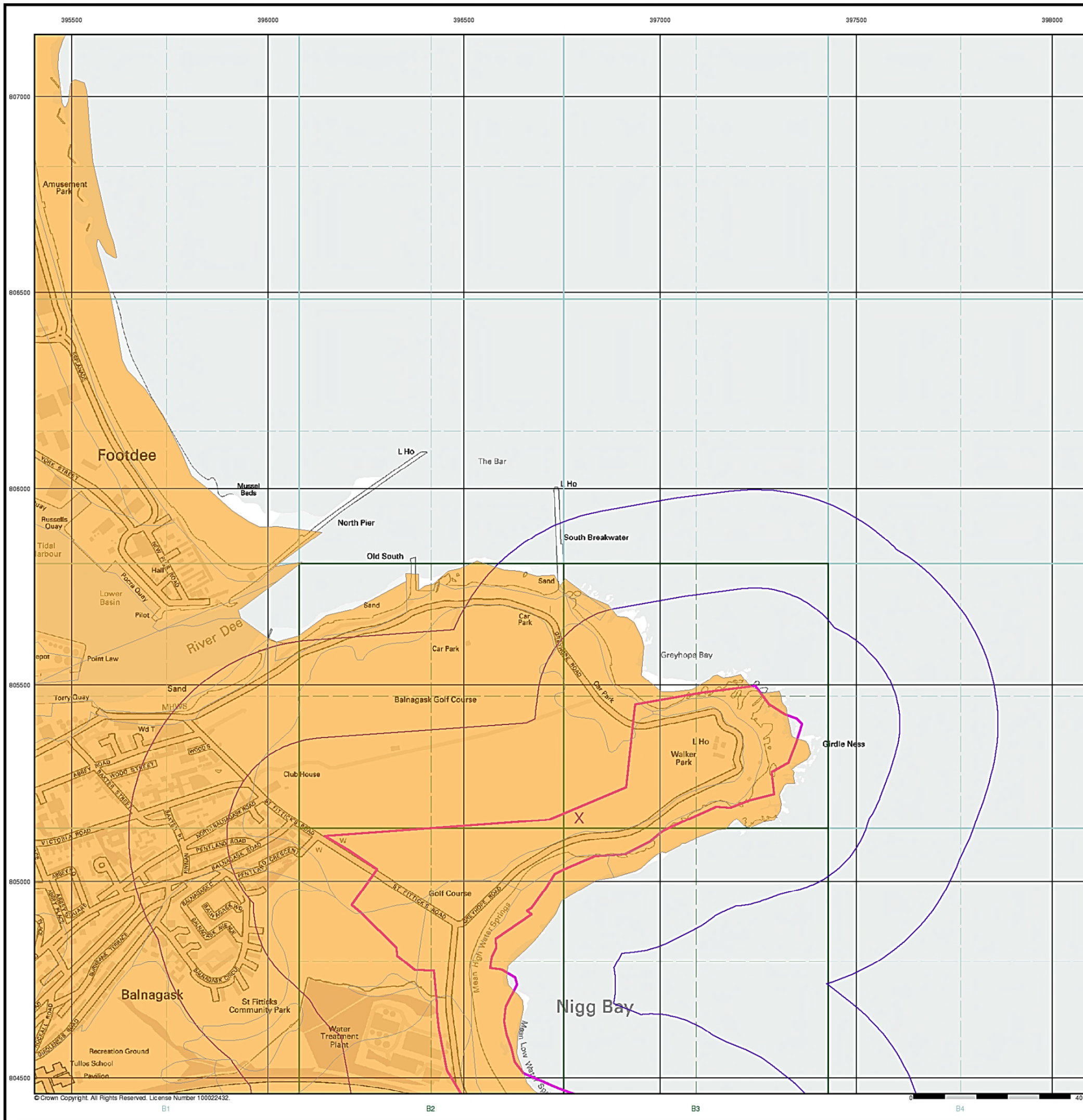
Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



Tel: 0844 844 9952
 Fax: 0844 844 9951
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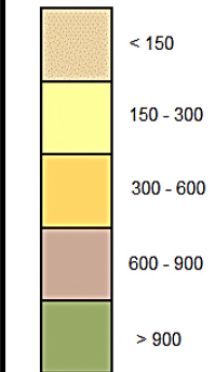


General

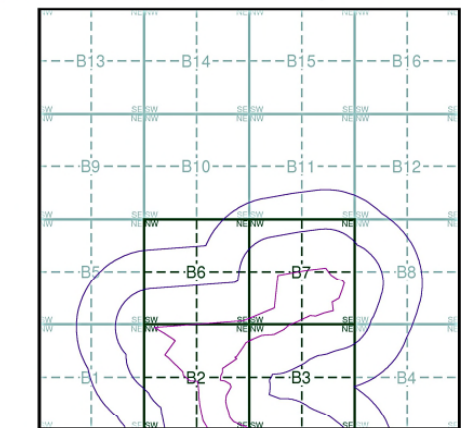
- ⬮ Specified Site
- ⬮ Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice B



Order Details

Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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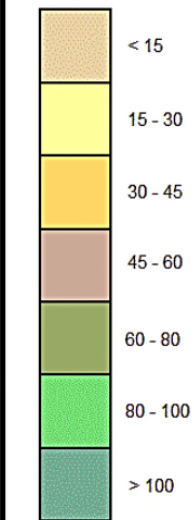


General

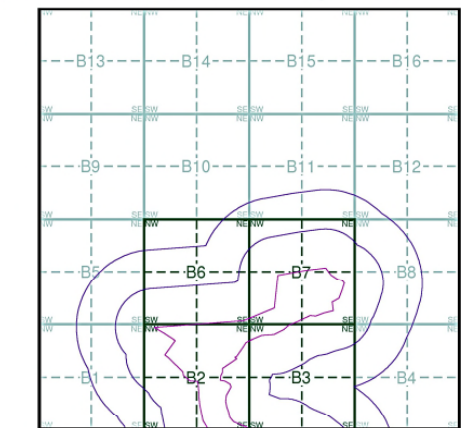
- ⬠ Specified Site
- ⬠ Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice B



Order Details

Order Details: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 500

Site Details

Site at, Nigg Bay, Aberdeen City



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



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

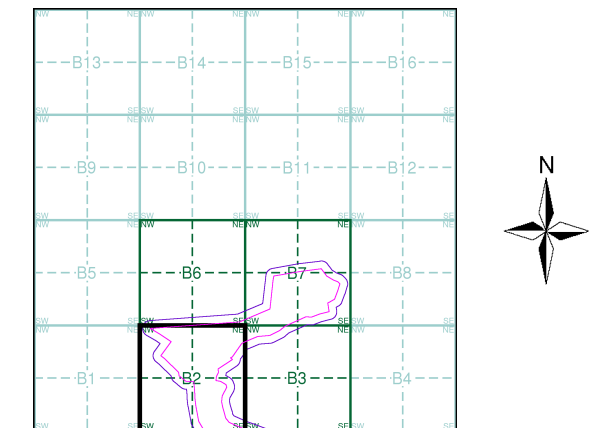
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Aberdeenshire	1:2,500	1892	3
Aberdeenshire	1:2,500	1901	4
Aberdeenshire	1:2,500	1926	5
Ordnance Survey Plan	1:2,500	1954 - 1955	6
Ordnance Survey Plan	1:1,250	1955	7
Additional SIMs	1:1,250	1955	8
Ordnance Survey Plan	1:1,250	1971	9
Additional SIMs	1:1,250	1989 - 1993	10
Large-Scale National Grid Data	1:1,250	1993	11

Historical Map - Segment B2



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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



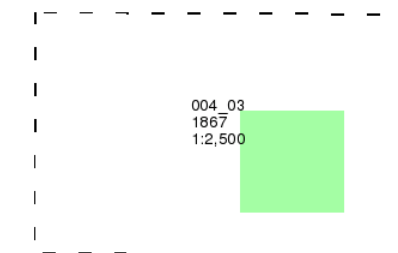
Kincardineshire

Published 1867

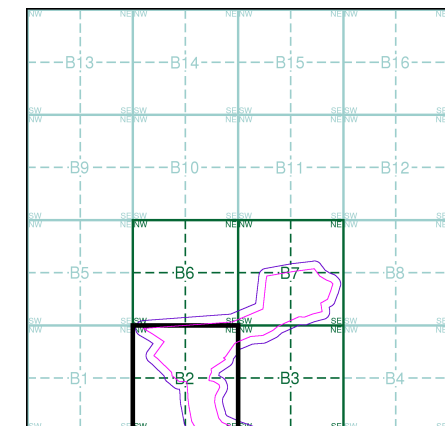
Source map scale - 1:2,500

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 B2



Order Details

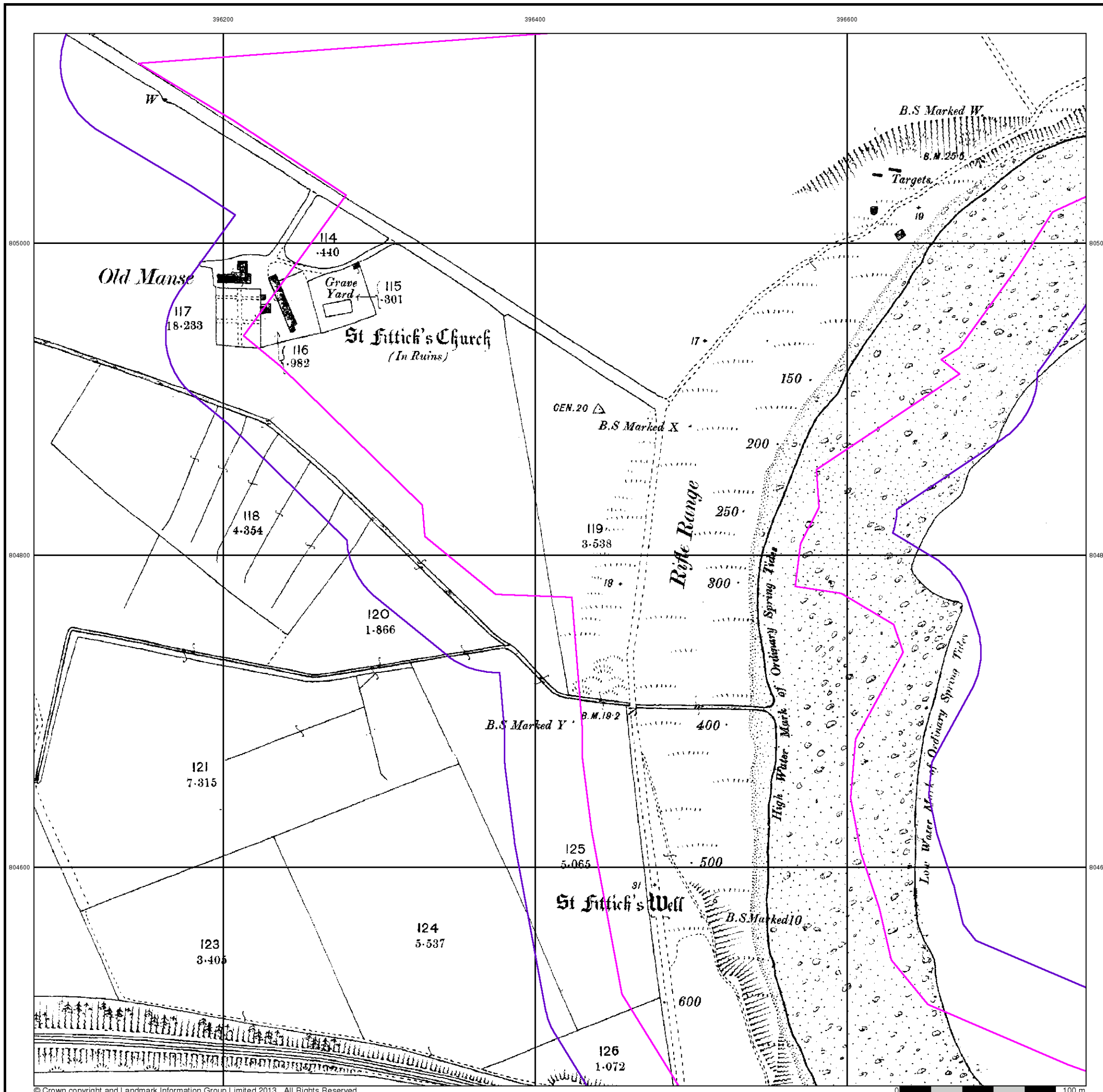
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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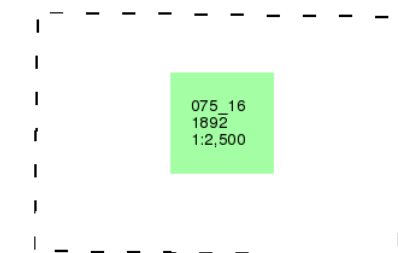
Aberdeenshire

Published 1892

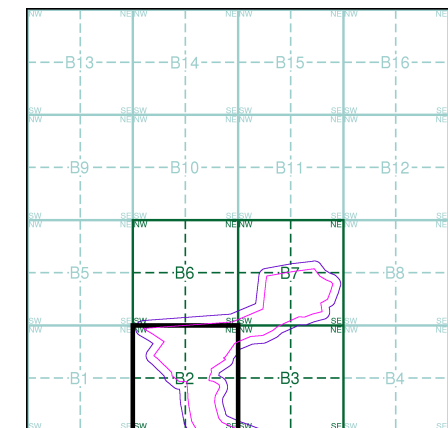
Source map scale - 1:2,500

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 B2



Order Details

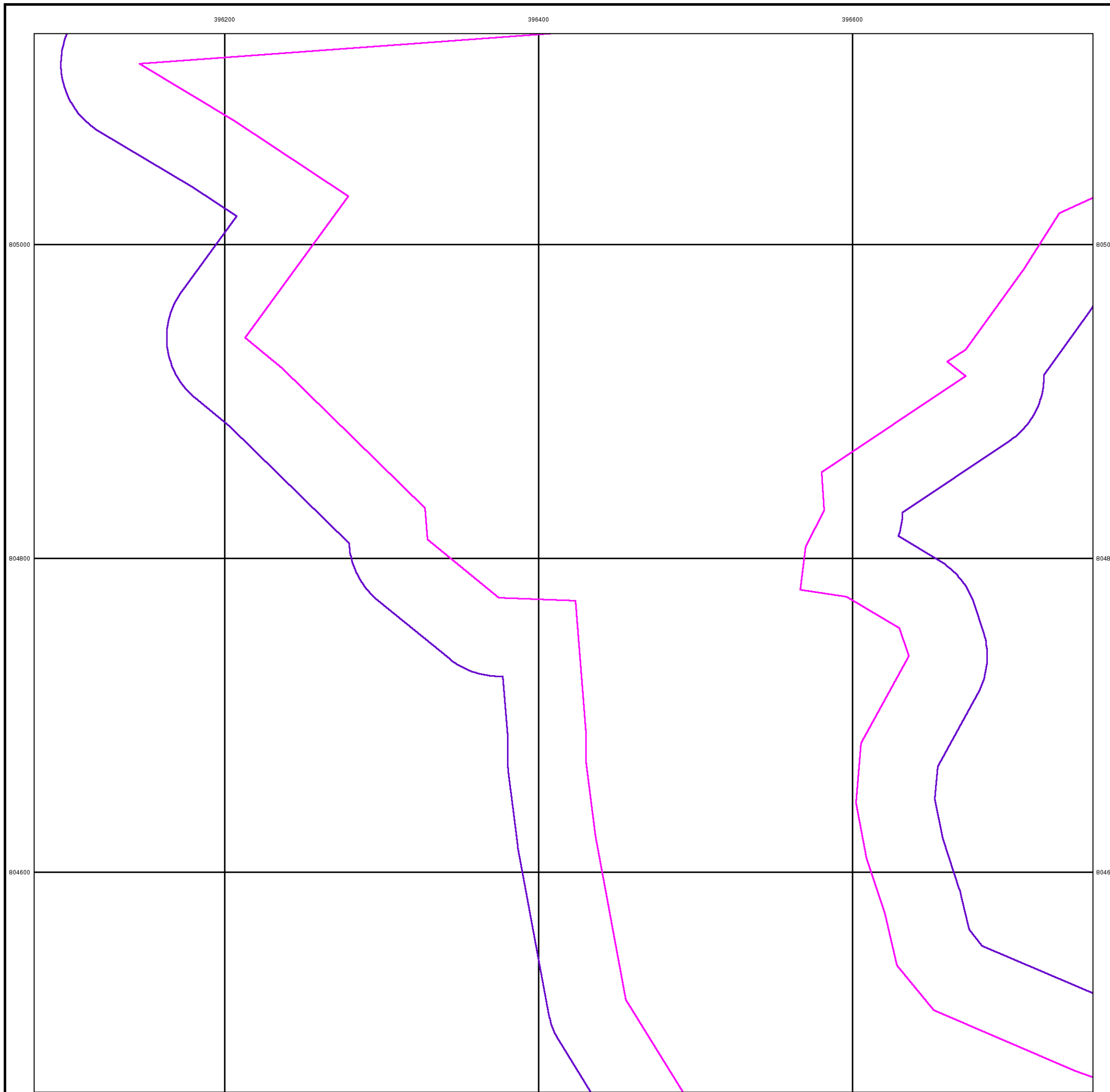
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

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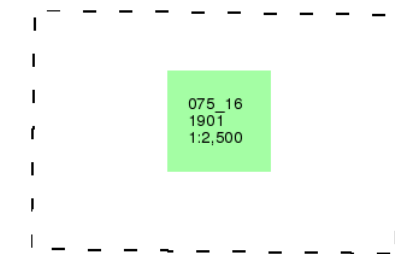
Aberdeenshire

Published 1901

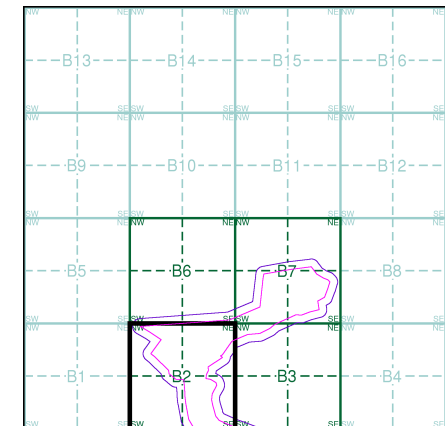
Source map scale - 1:2,500

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 B2



Order Details

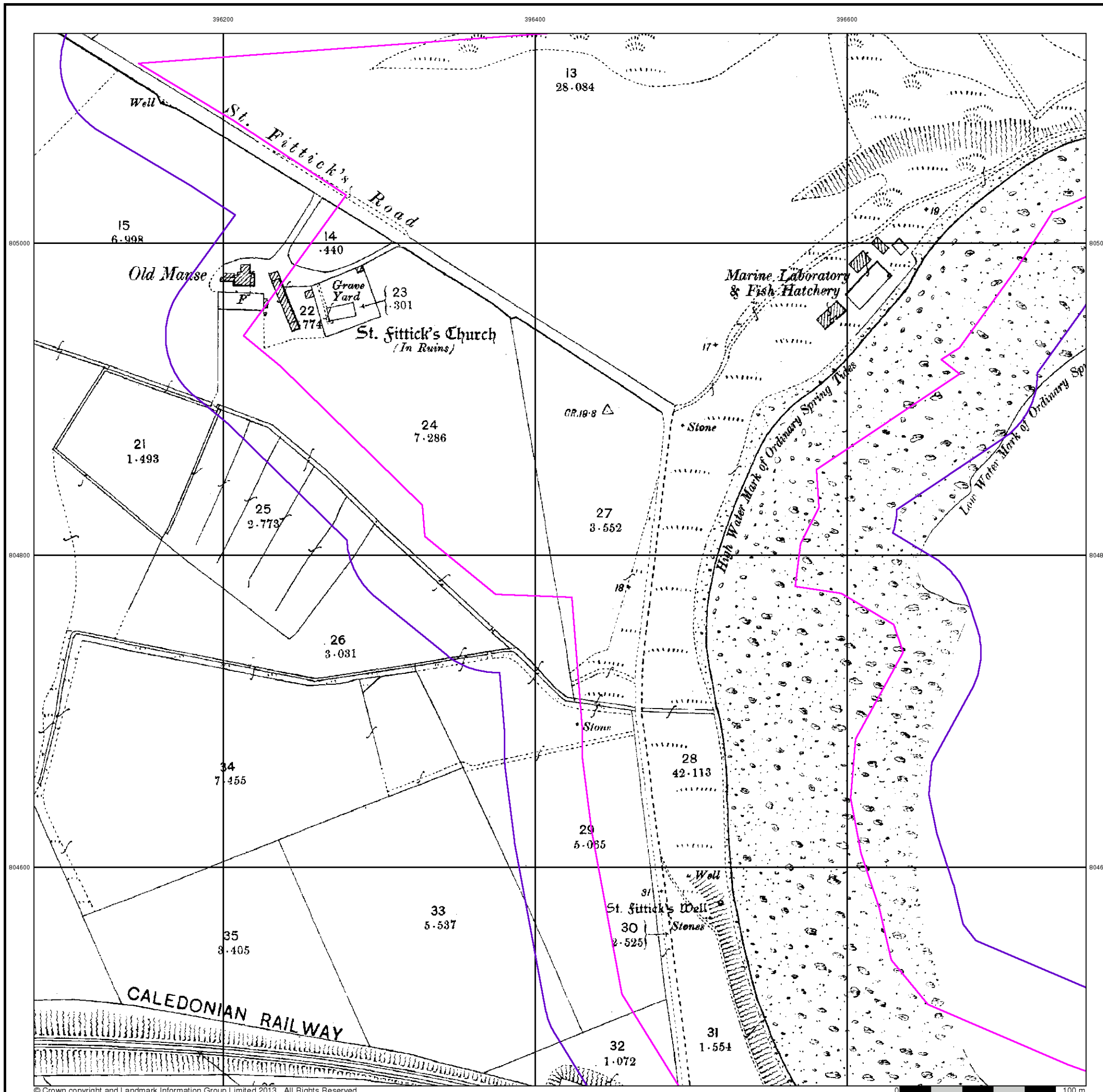
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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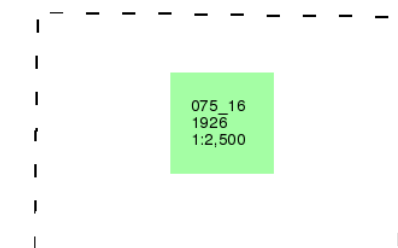
Aberdeenshire

Published 1926

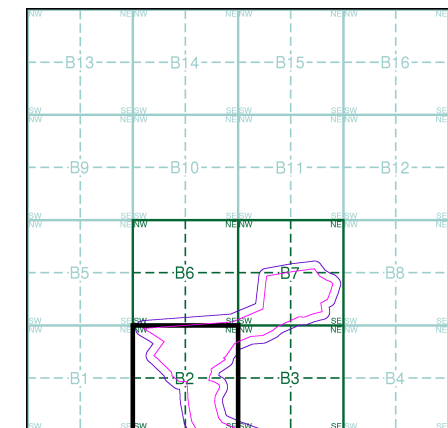
Source map scale - 1:2,500

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 B2



Order Details

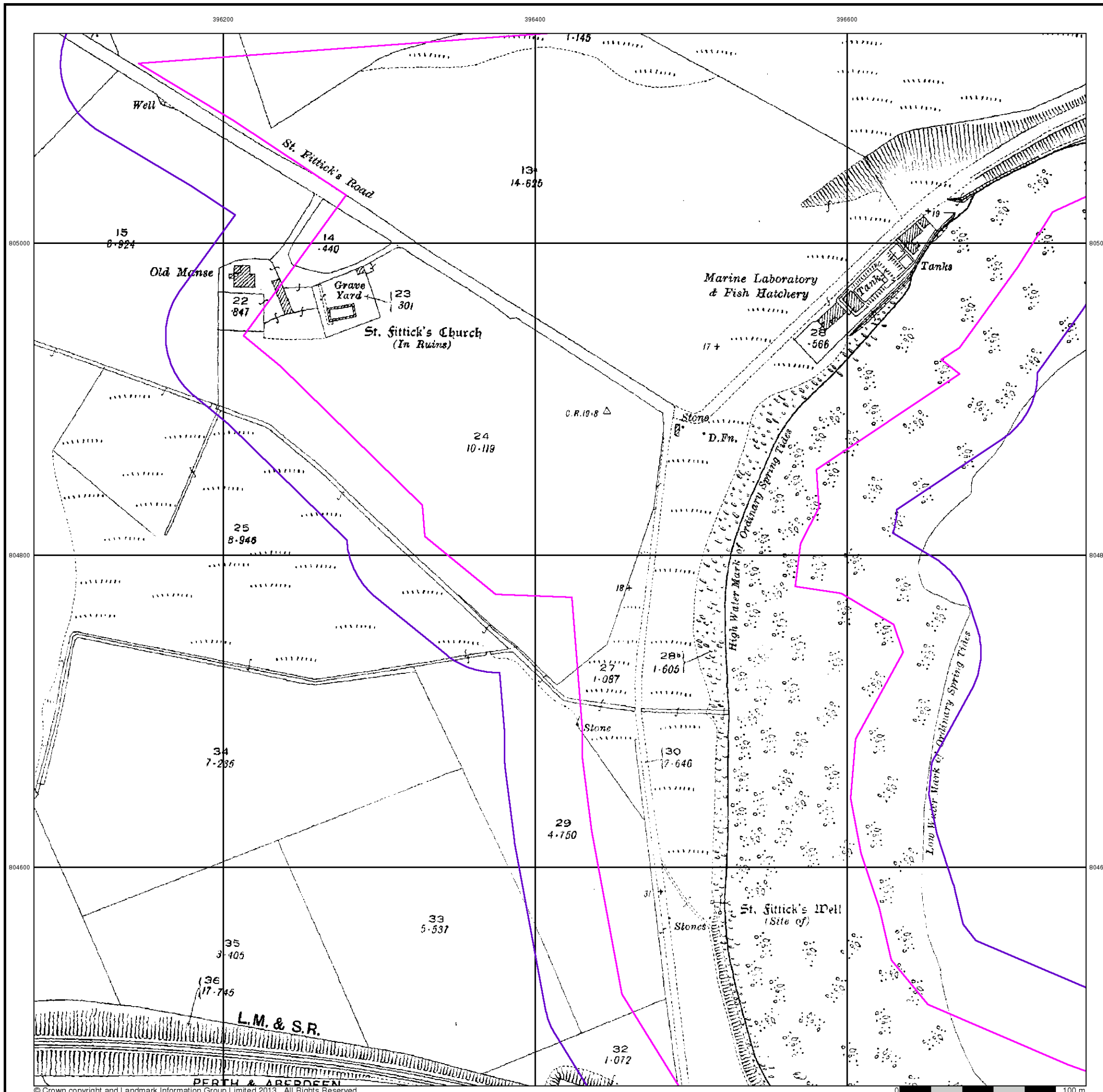
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National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
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Ordnance Survey Plan

Published 1954 - 1955

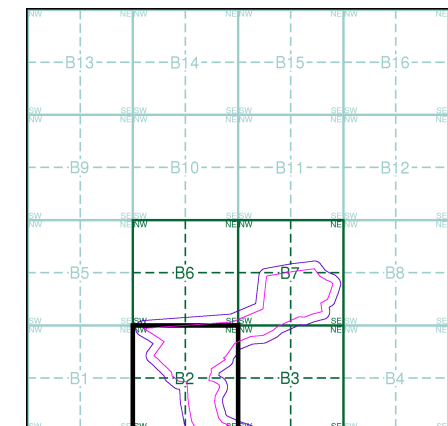
Source map scale - 1:2,500

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)

NJ9605	1955	1:2,500
NJ9604	1954	1:2,500

Historical Map - Segment B2



Order Details

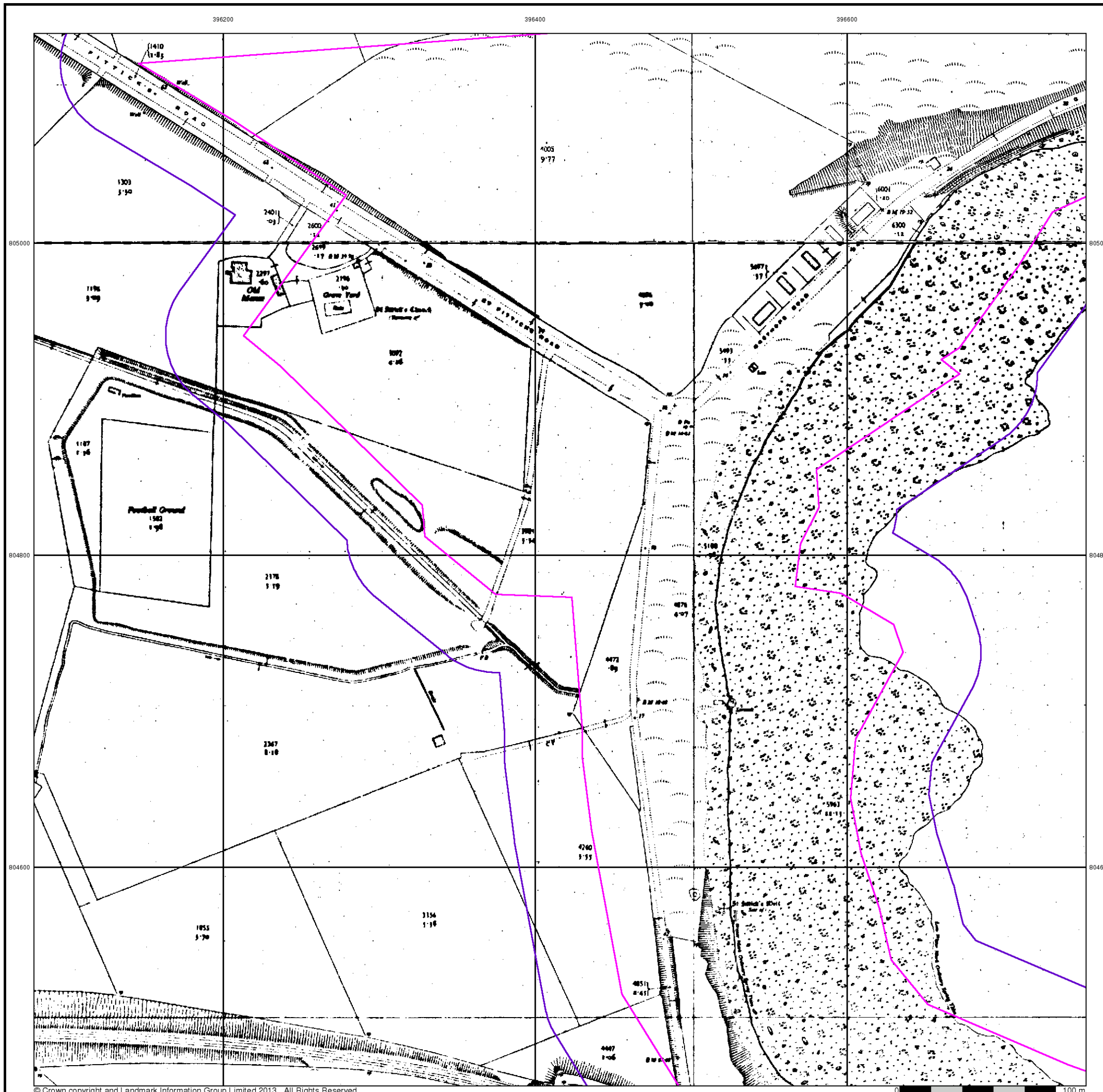
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

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Ordnance Survey Plan

Published 1955

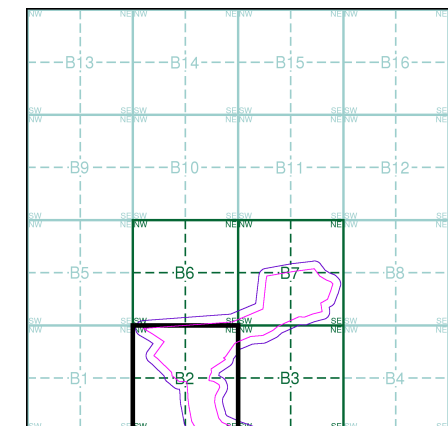
Source map scale - 1:1,250

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)

J9605SW	J9605SE
1955	1955
1:1,250	1:1,250
J9604NW	J9604NE
1955	1955
1:1,250	1:1,250
J9604SW	J9604SE
1955	1955
1:1,250	1:1,250

Historical Map - Segment B2



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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Additional SIMs

Published 1955

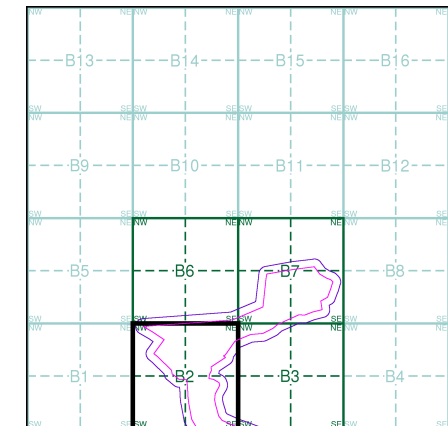
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9604NW 1955 1:1,250	NJ9604NE 1955 1:1,250
NJ9604SW 1955 1:1,250	NJ9604SE 1955 1:1,250

Historical Map - Segment B2



Order Details

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 Slice: B
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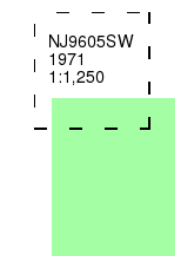
Ordnance Survey Plan

Published 1971

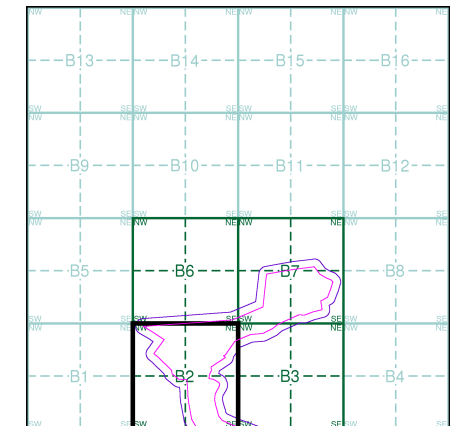
Source map scale - 1:1,250

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 B2



Order Details

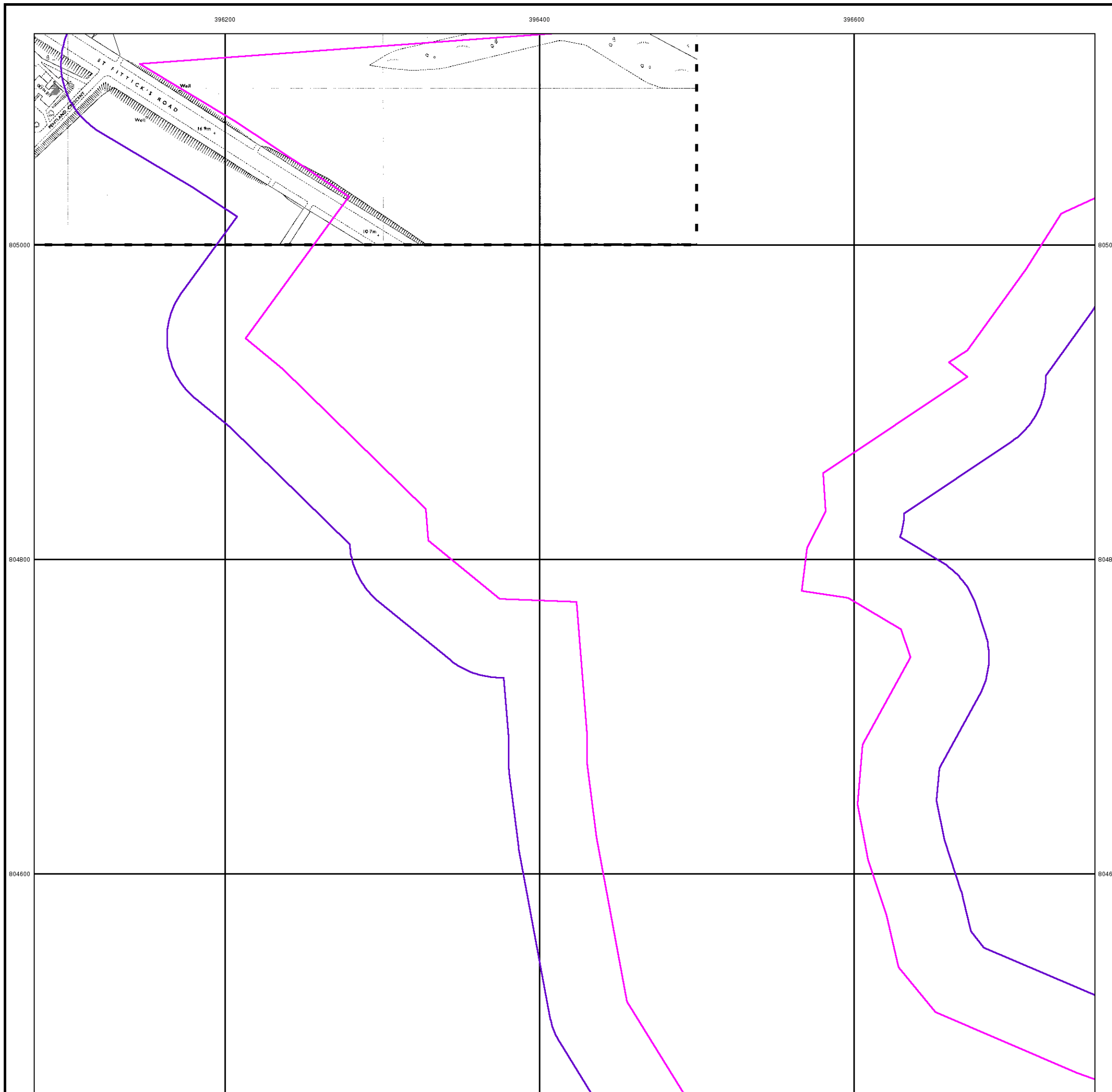
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

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Additional SIMs

Published 1989 - 1993

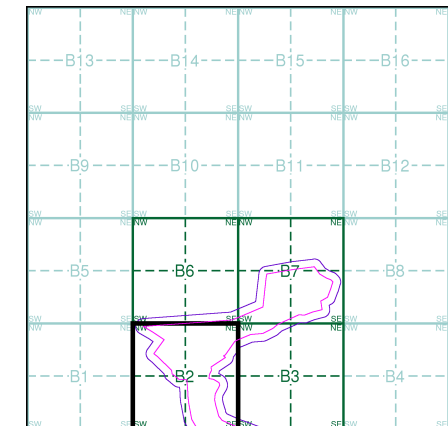
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9604NW
1989
1:1,250
NJ9604SW
1993
1:1,250

Historical Map - Segment B2



Order Details

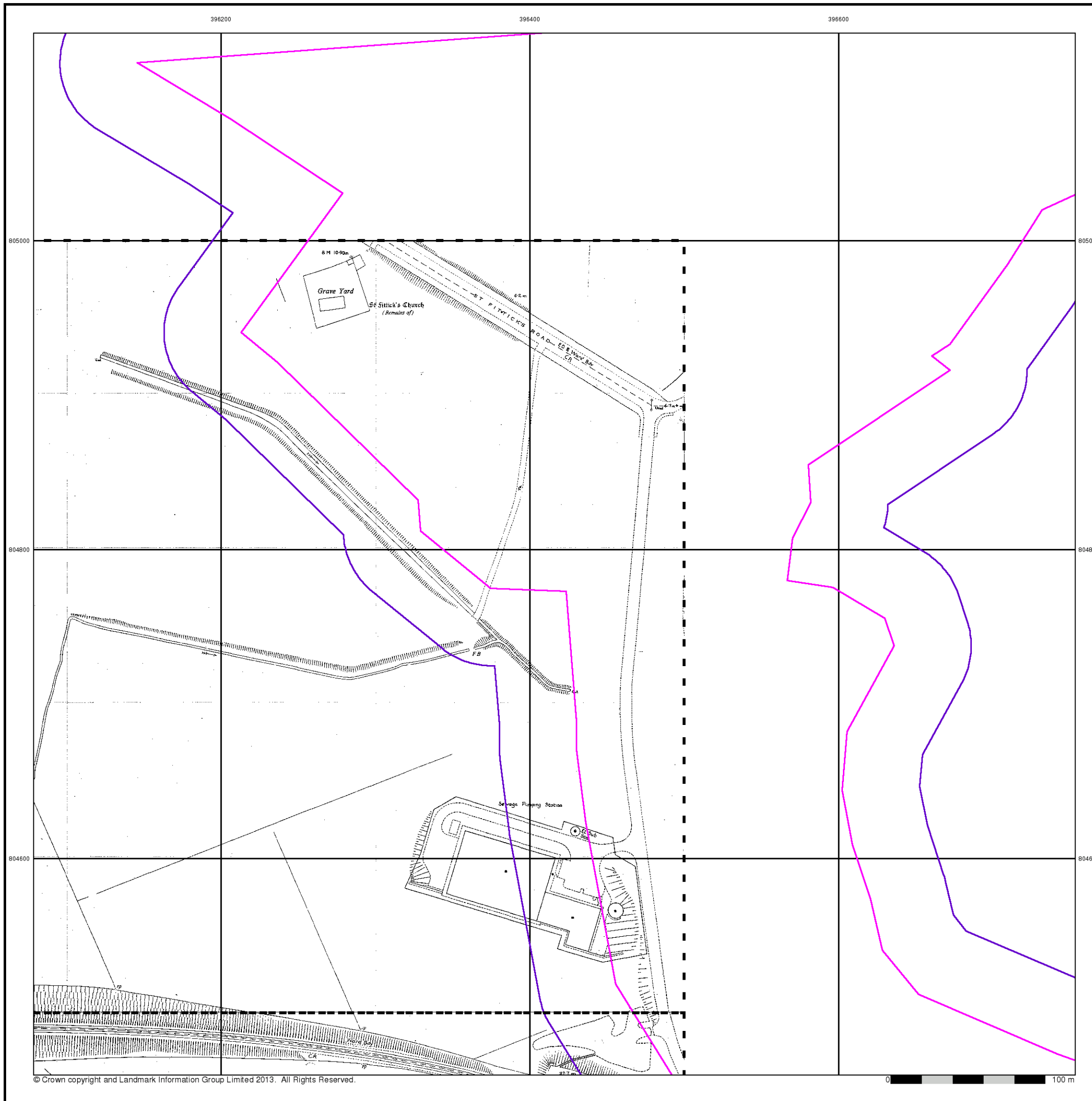
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

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Large-Scale National Grid Data

Published 1993

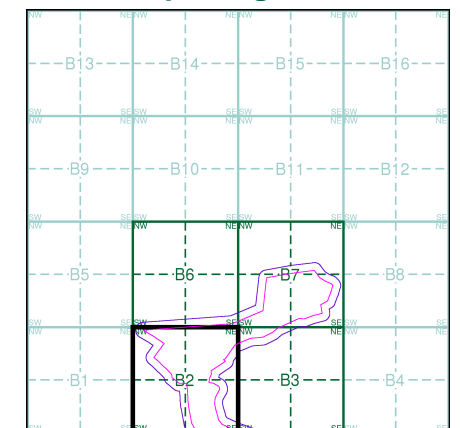
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9605SW	NJ9605SE
1993	1993
1:1,250	1:1,250
NJ9604NW	NJ9604NE
1993	1993
1:1,250	1:1,250
NJ9604SW	NJ9604SE
1993	1993
1:1,250	1:1,250

Historical Map - Segment B2



Order Details

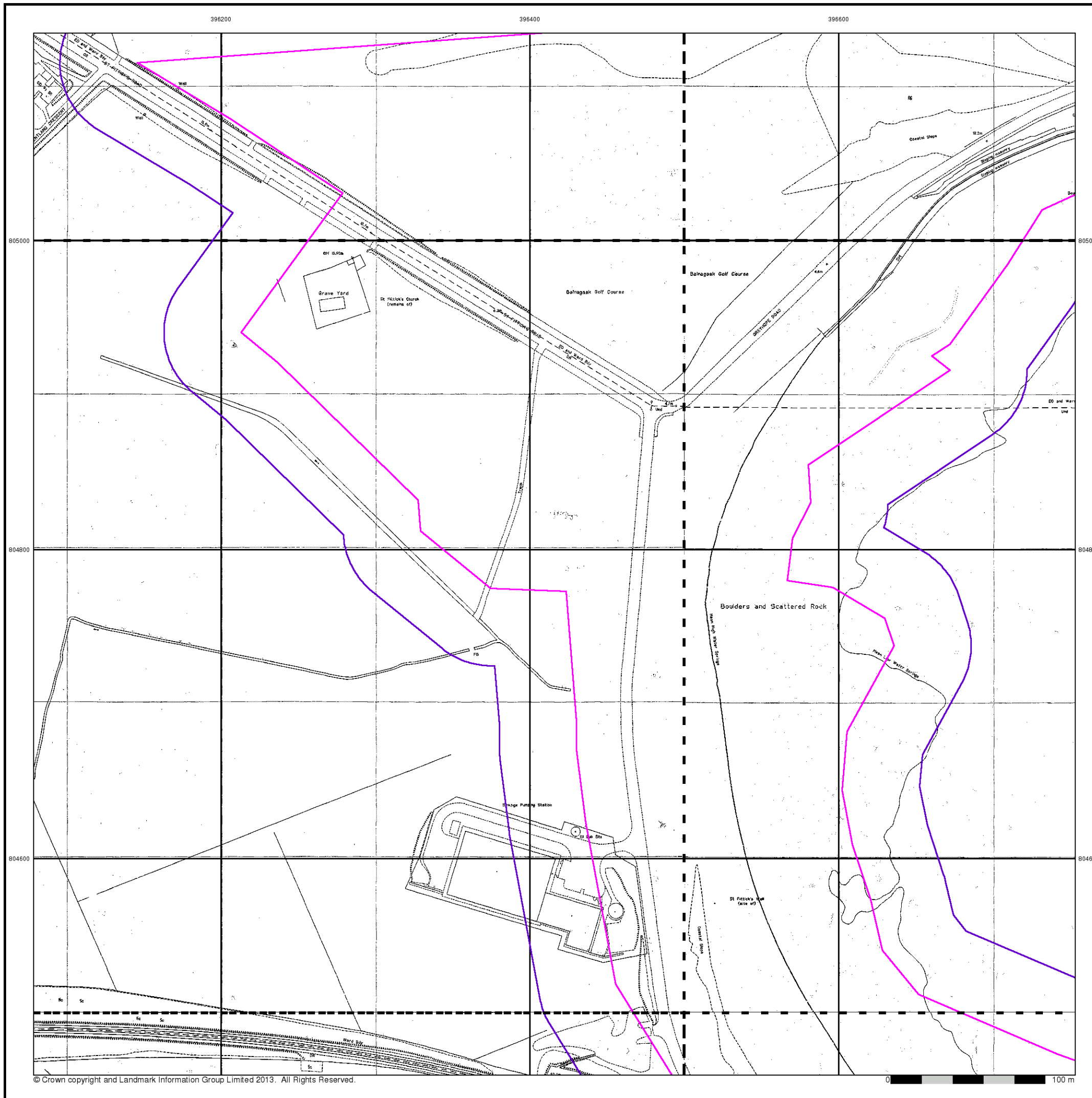
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
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Historical Mapping Legends

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

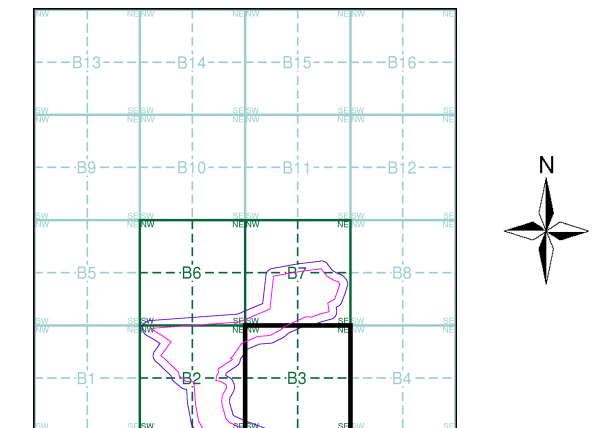
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Aberdeenshire	1:2,500	1892	3
Aberdeenshire	1:2,500	1901	4
Aberdeenshire	1:2,500	1926	5
Ordnance Survey Plan	1:2,500	1954 - 1955	6
Ordnance Survey Plan	1:1,250	1955 - 1975	7
Additional SIMs	1:1,250	1955	8
Ordnance Survey Plan	1:1,250	1975	9
Large-Scale National Grid Data	1:1,250	1993	10

Historical Map - Segment B3



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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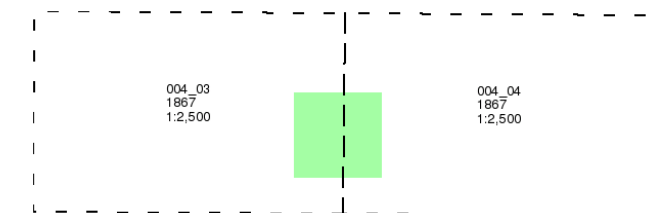
Kincardineshire

Published 1867

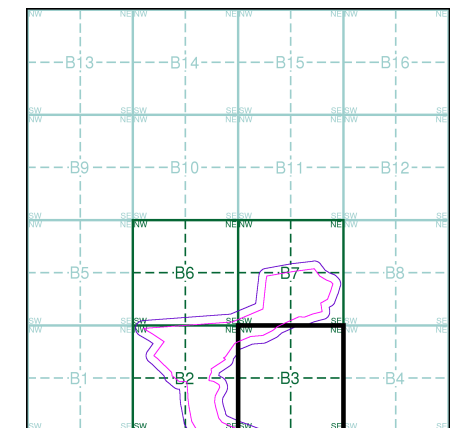
Source map scale - 1:2,500

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 B3



Order Details

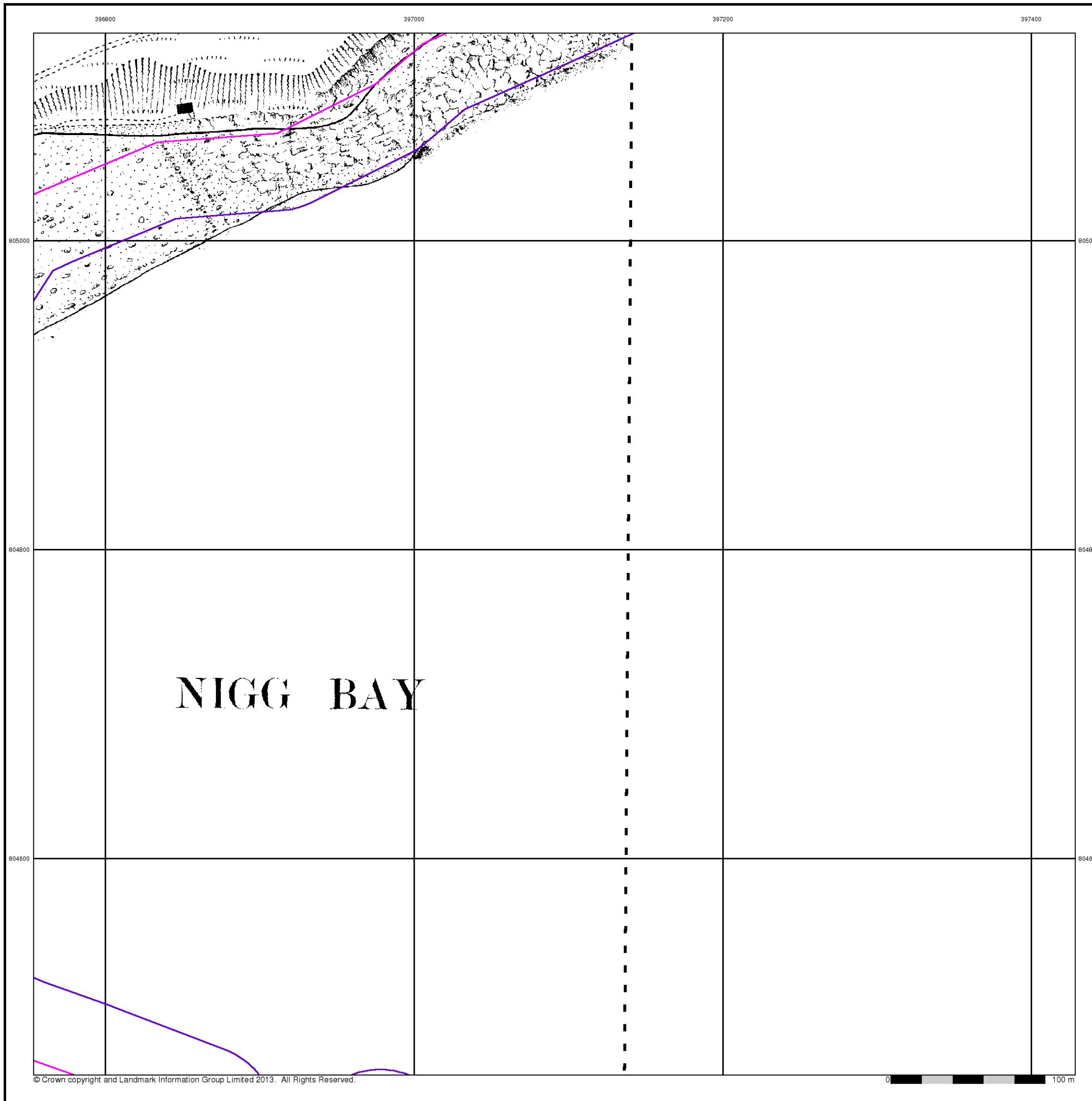
Order Number: 55426788_1_1
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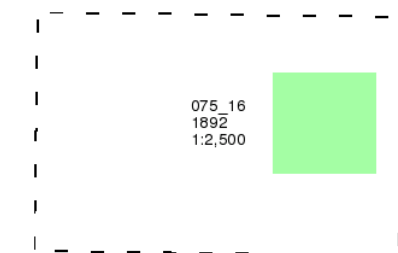
Aberdeenshire

Published 1892

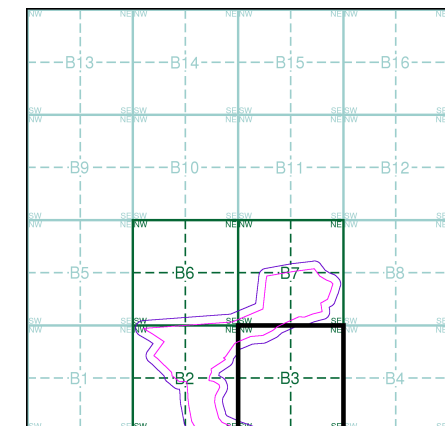
Source map scale - 1:2,500

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 B3



Order Details

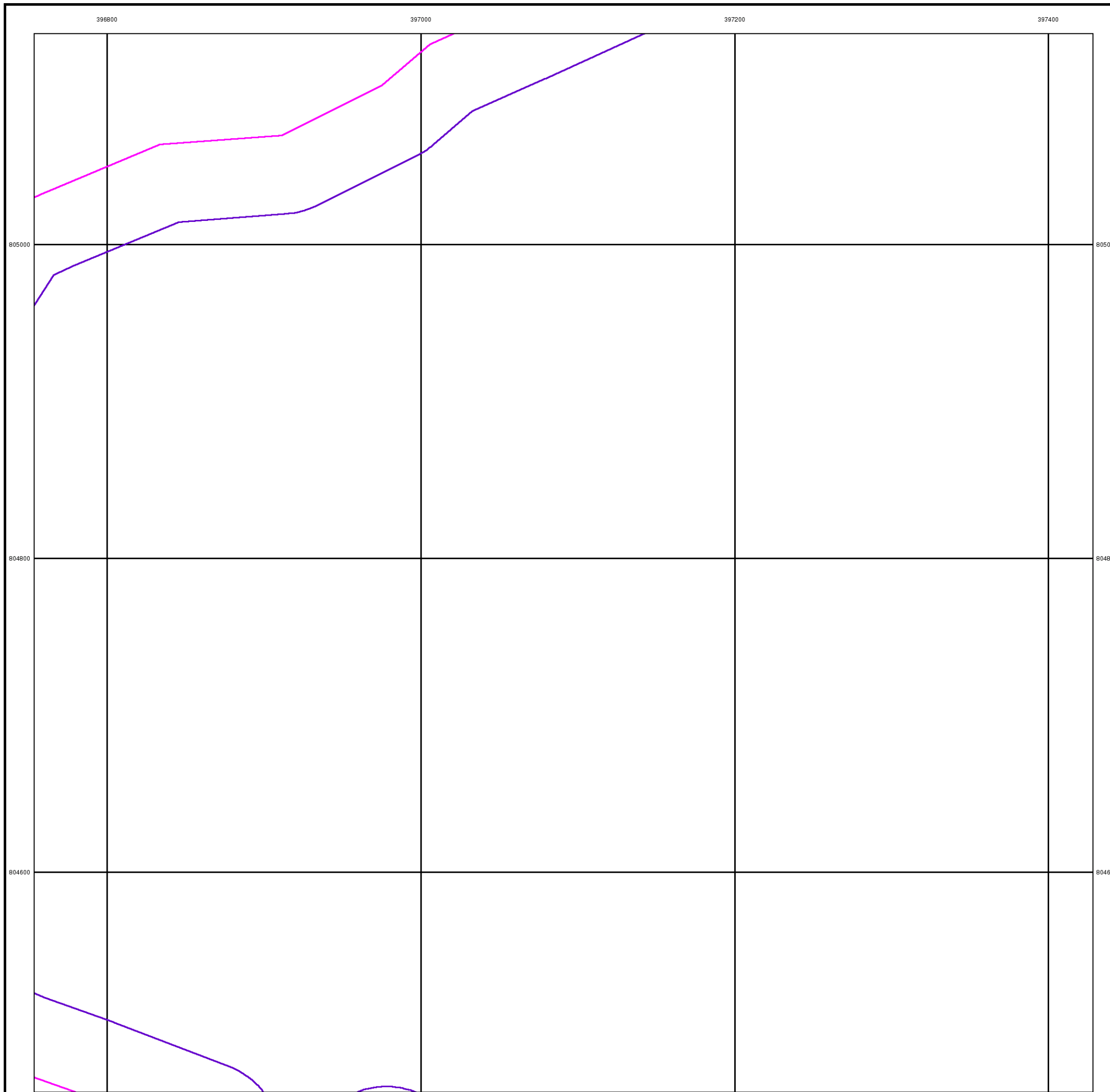
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National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

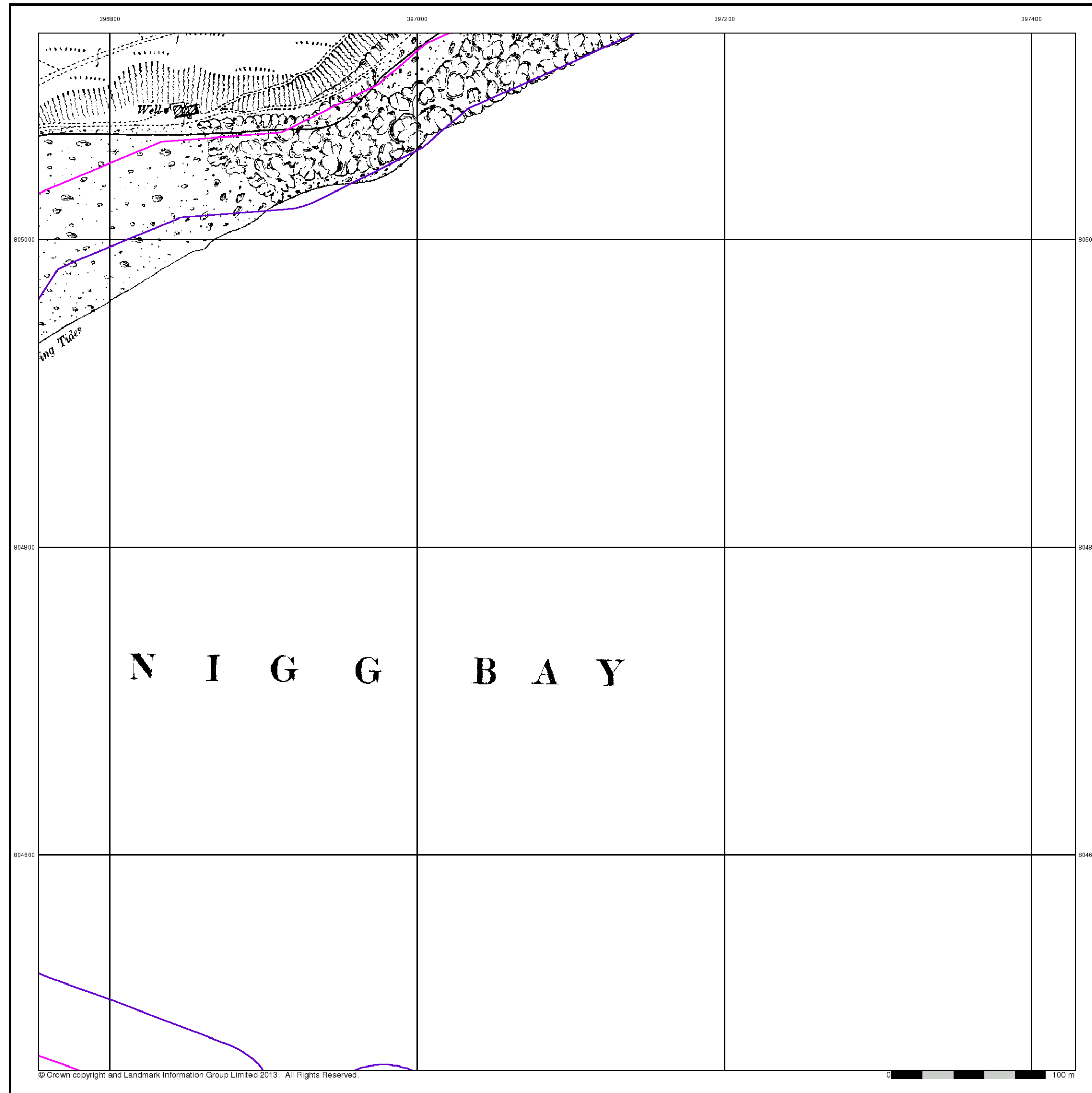
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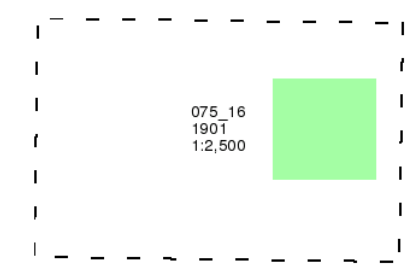
Aberdeenshire

Published 1901

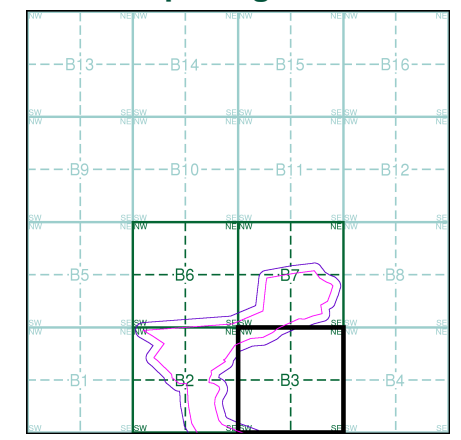
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment B3



Order Details

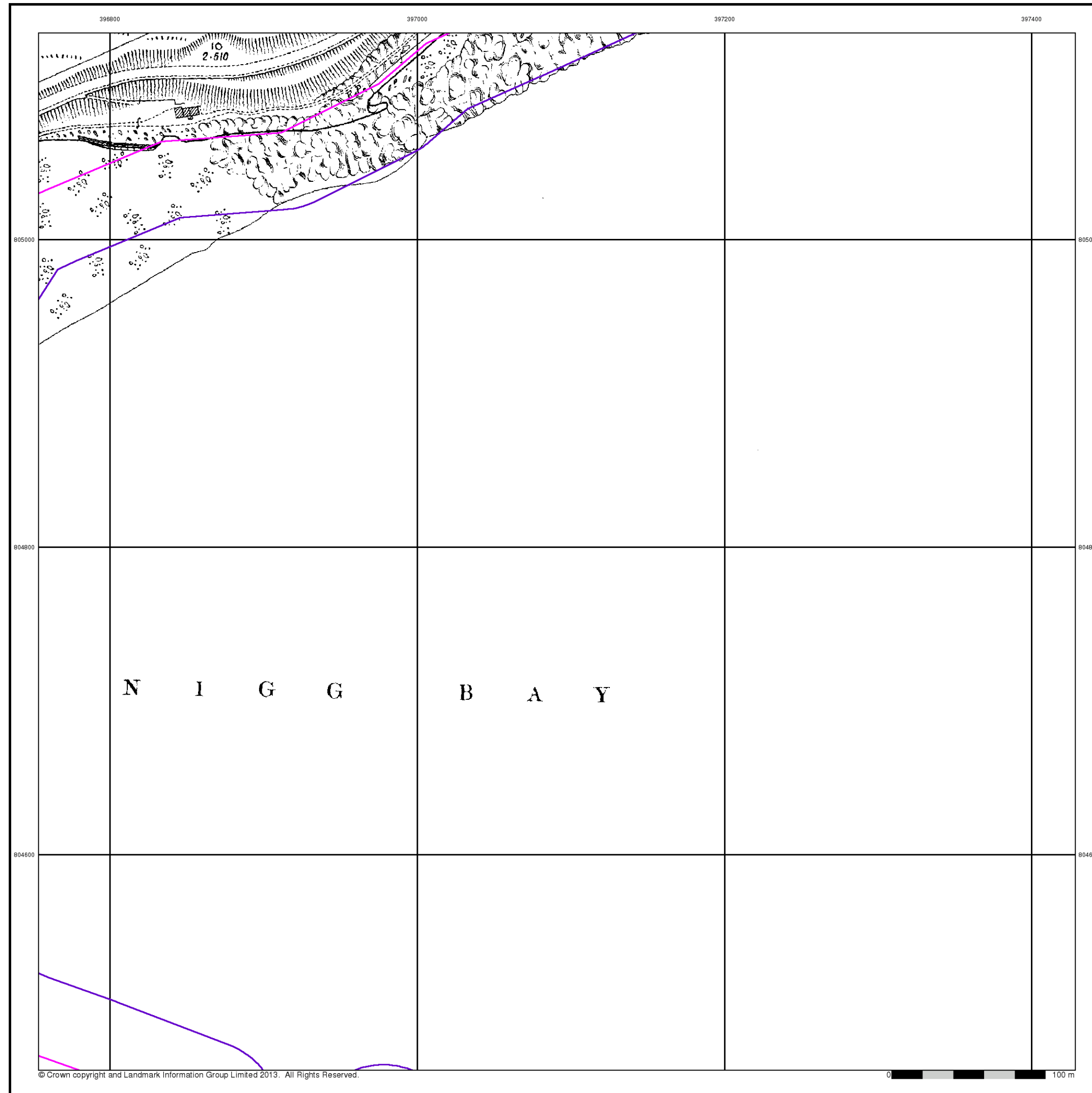
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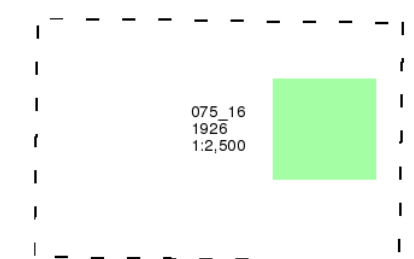
Aberdeenshire

Published 1926

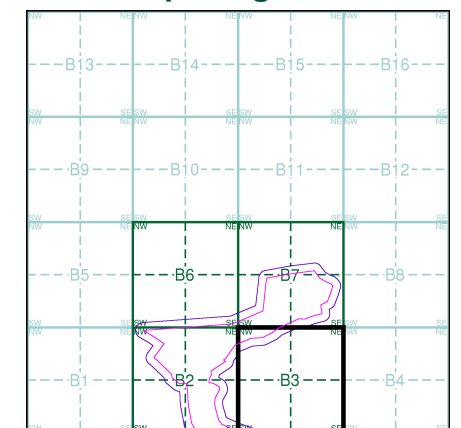
Source map scale - 1:2,500

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

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Historical Map - Segment B3



Order Details

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Ordnance Survey Plan

Published 1954 - 1955

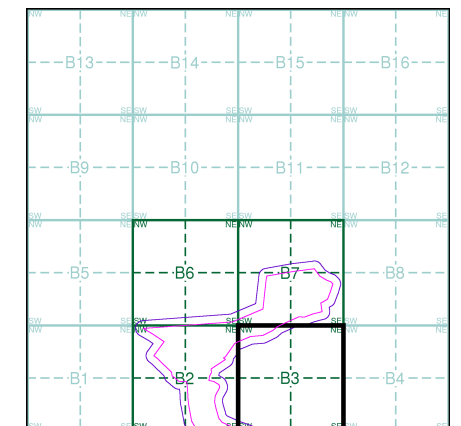
Source map scale - 1:2,500

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)

NJ9605 1955 1:2,500	NJ9705 1954 1:2,500
NJ9604 1954 1:2,500	NJ9704 1955 1:2,500

Historical Map - Segment B3



Order Details

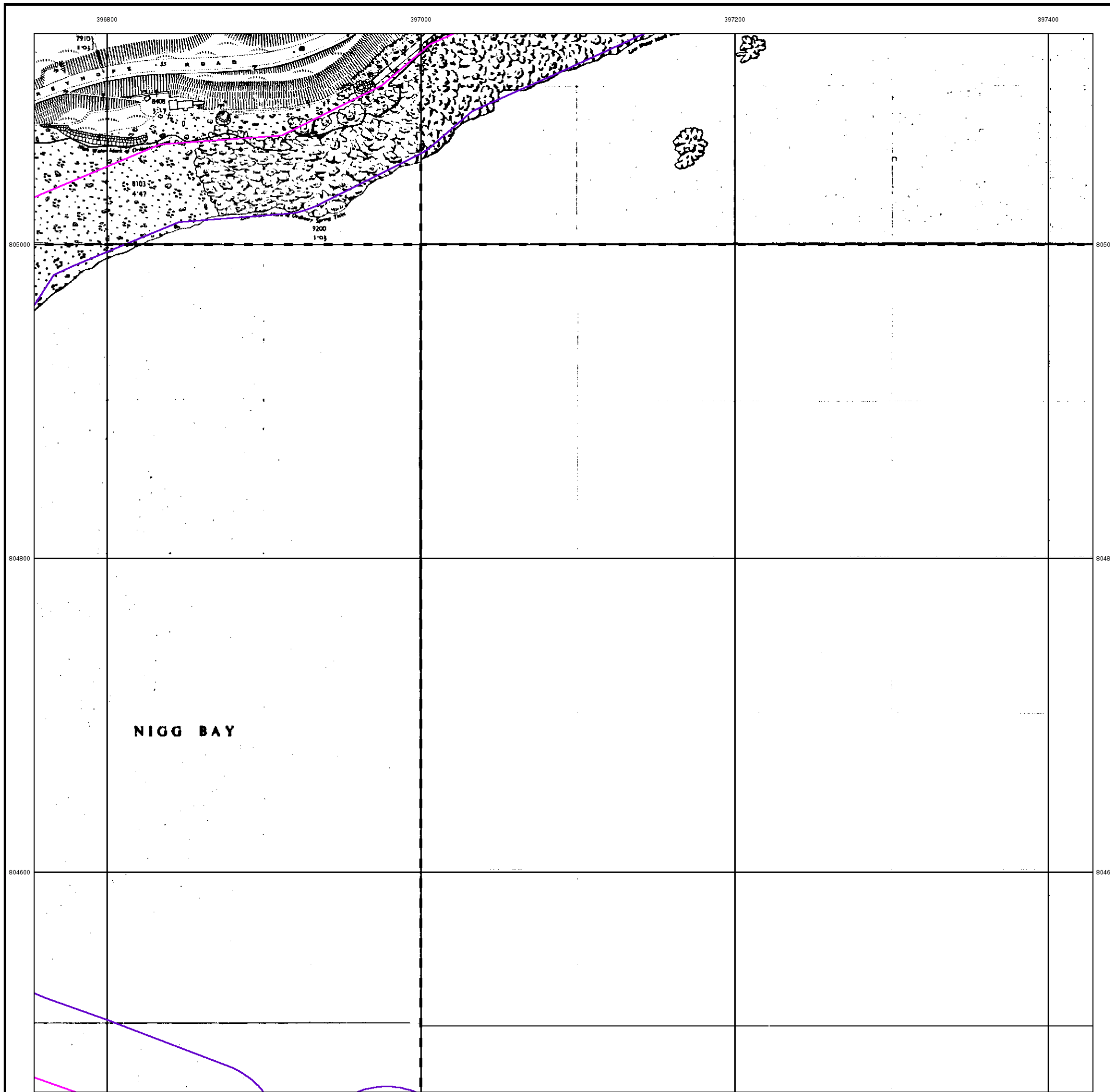
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 Customer Ref: EED14221-100
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 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

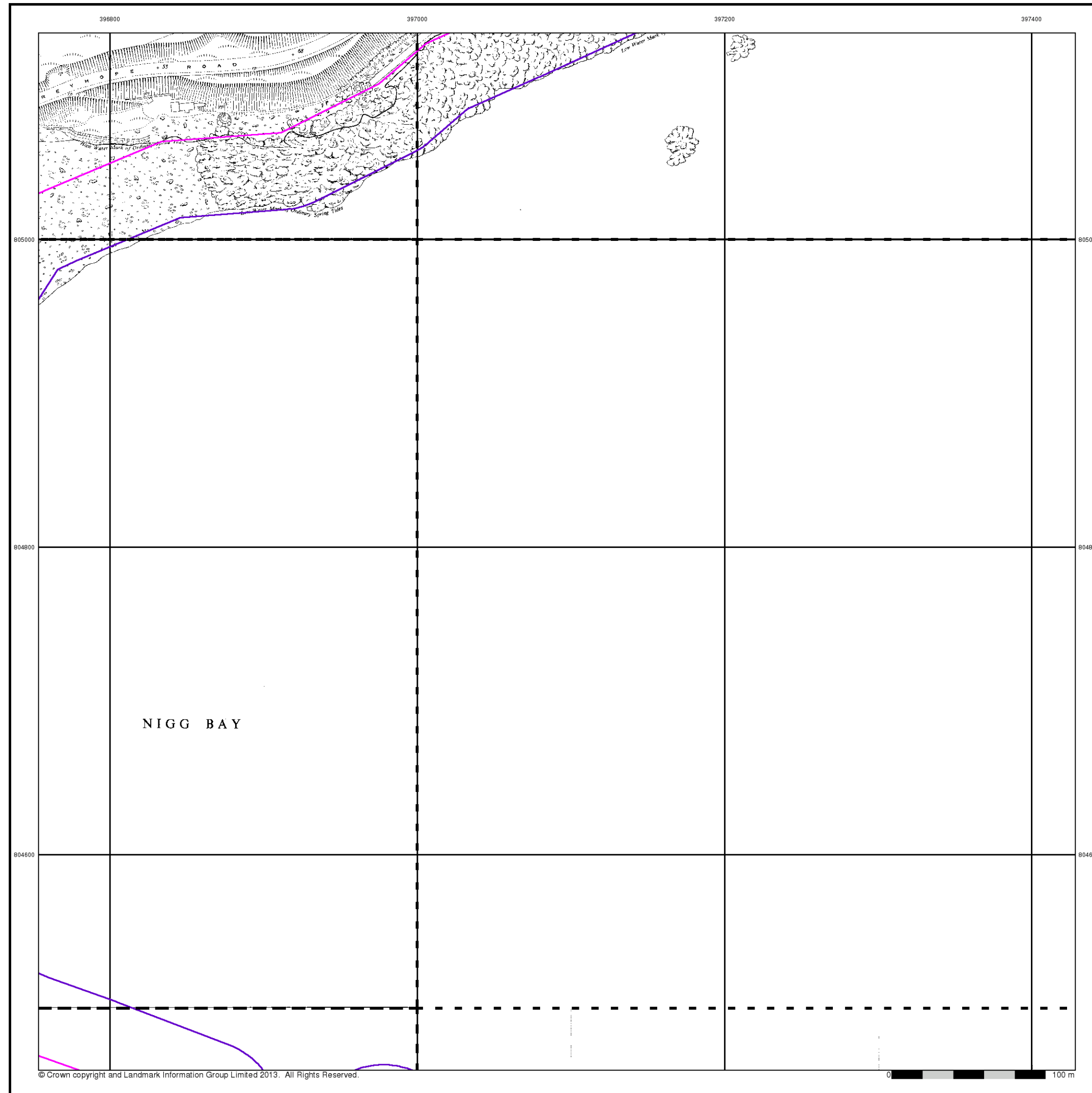
Site Details

Site at, Nigg Bay, Aberdeen City



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Ordnance Survey Plan

Published 1955 - 1975

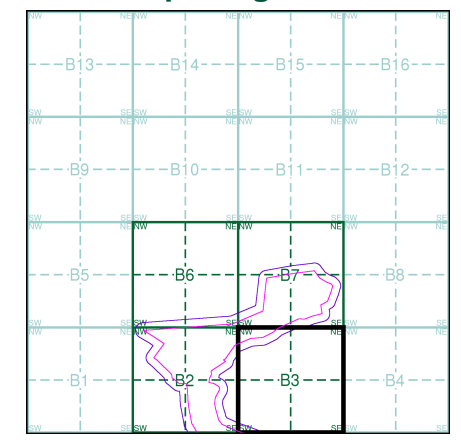
Source map scale - 1:1,250

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)

NJ9605SE	NJ9705SW
1955	1955
1:1,250	1:1,250
NJ9604NE	
1955	
1:1,250	
NJ9604SE	NJ9704SW
1955	1975
1:1,250	1:1,250

Historical Map - Segment B3



Order Details

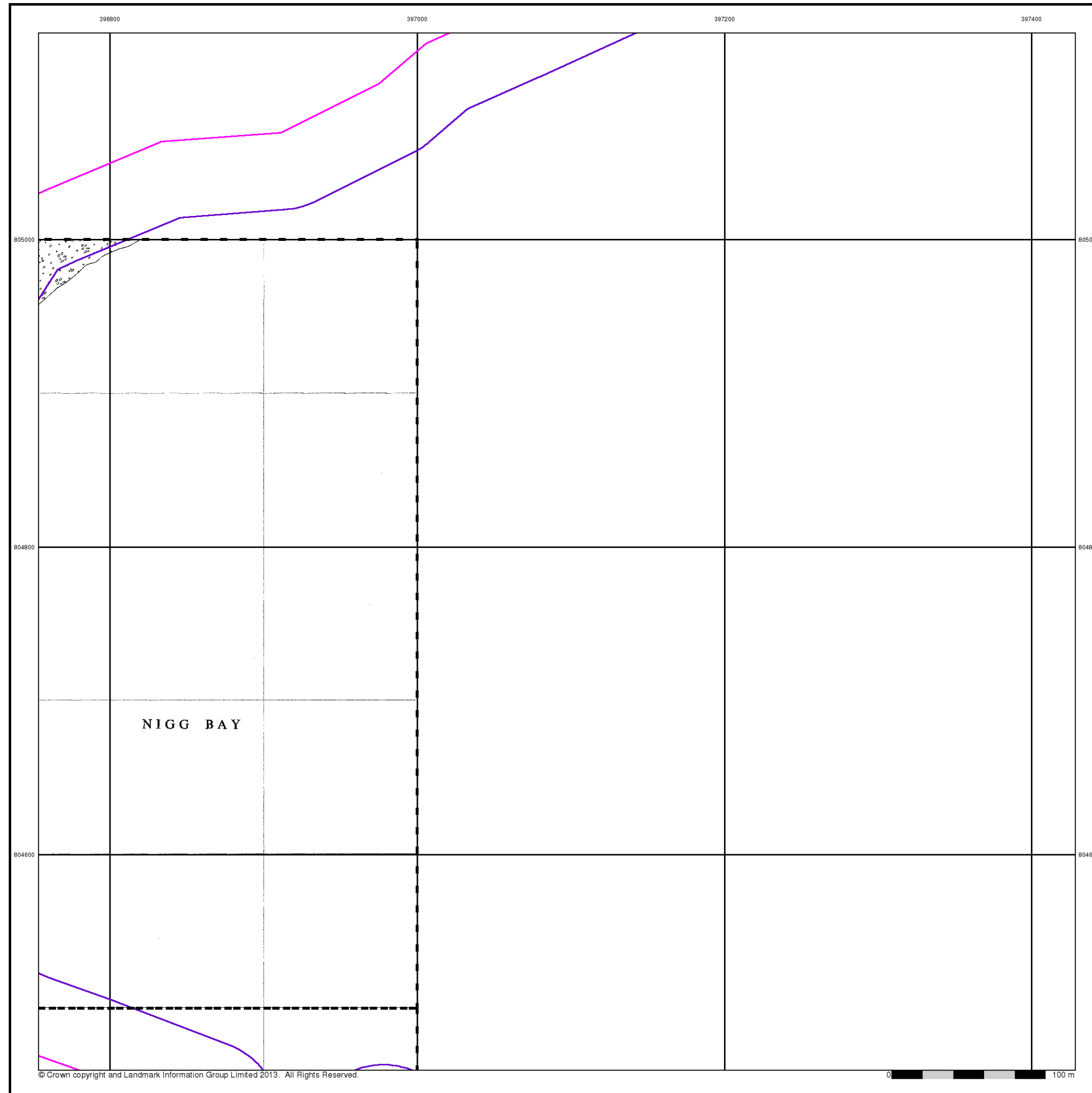
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Additional SIMs
Published 1955
Source map scale - 1:1,250

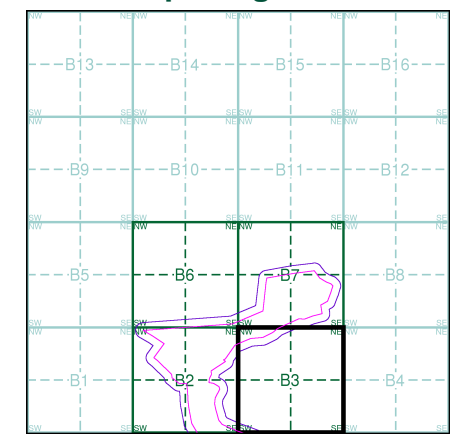
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

NJ9604NE
 1955
 1:1,250

NJ9604SE
 1955
 1:1,250

Historical Map - Segment B3



Order Details

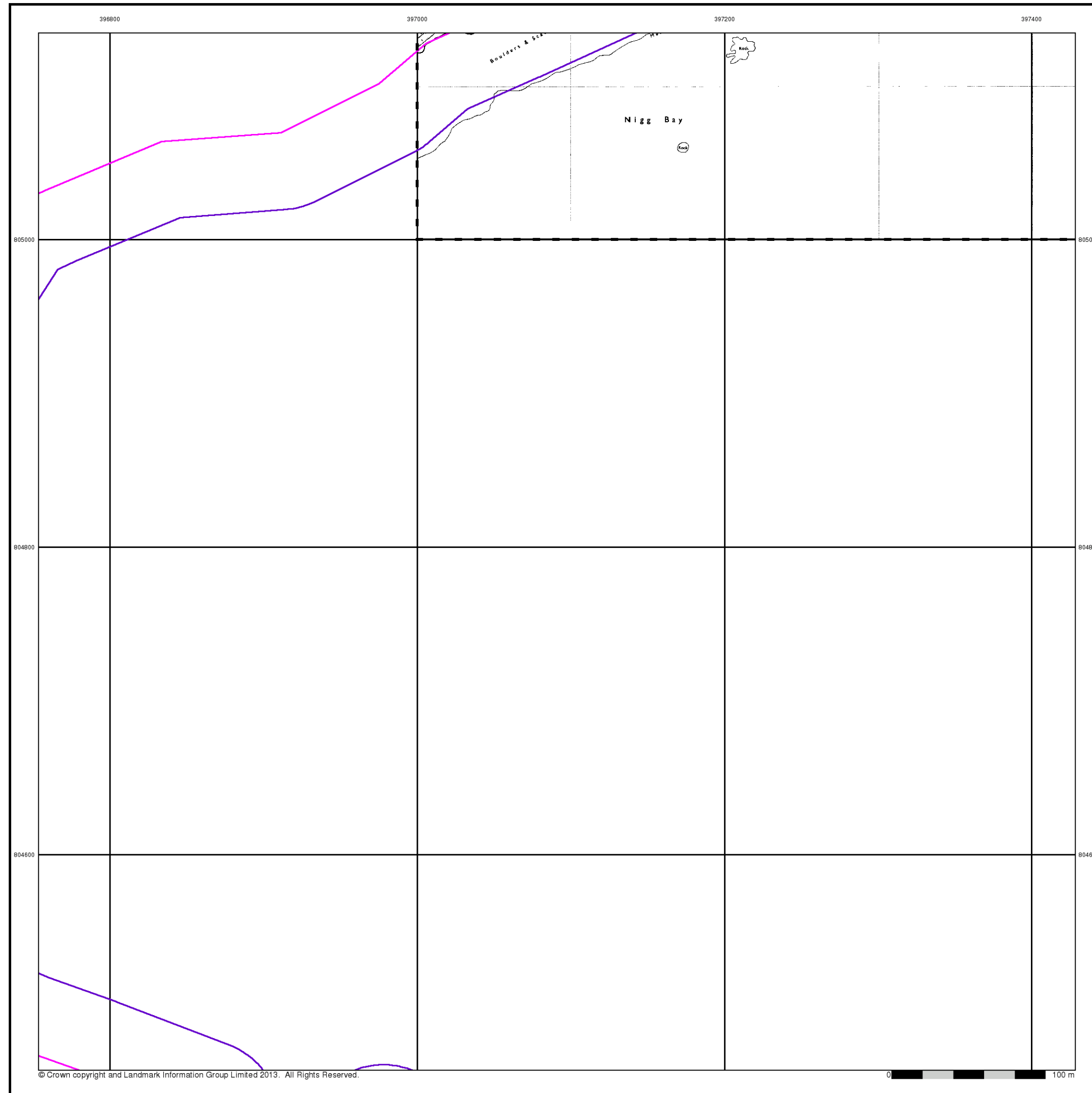
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 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City

Landmark
 Information Group

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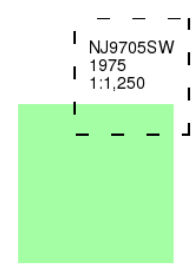
Ordnance Survey Plan

Published 1975

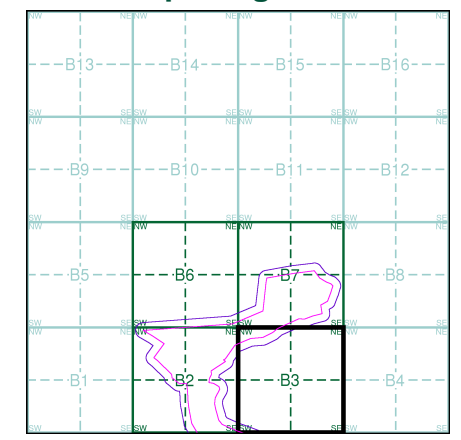
Source map scale - 1:1,250

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 B3



Order Details

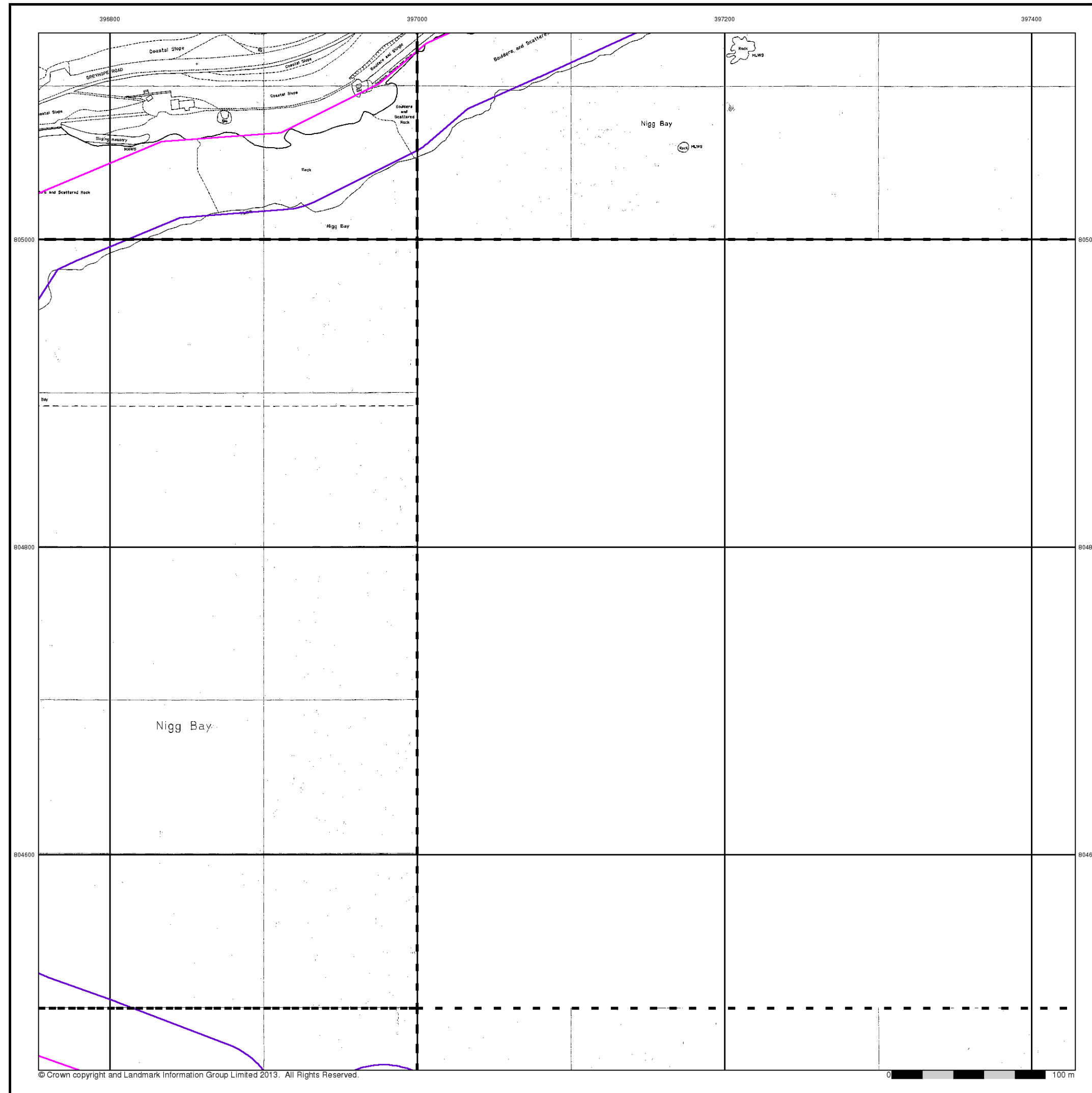
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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Large-Scale National Grid Data

Published 1993

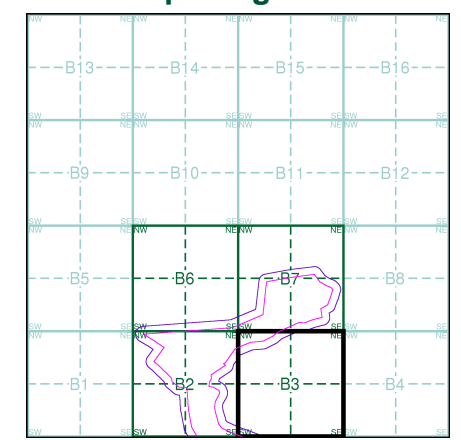
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9605SE	NJ9705SW
1993	1993
1:1,250	1:1,250
NJ9604NE	
1993	
1:1,250	
NJ9604SE	NJ9704SW
1993	1993
1:1,250	1:1,250

Historical Map - Segment B3



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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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

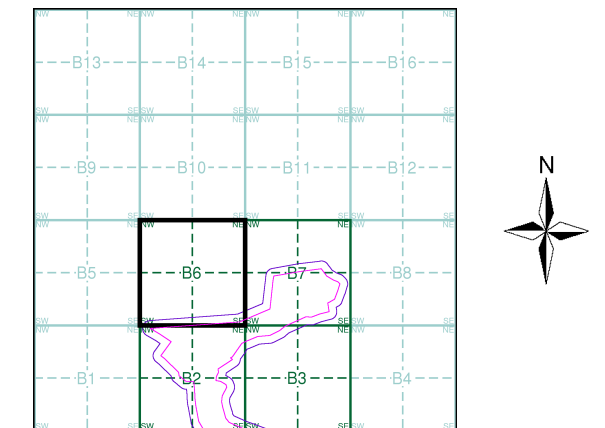
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Aberdeenshire	1:2,500	1892	3
Aberdeenshire	1:2,500	1901	4
Aberdeenshire	1:2,500	1925 - 1926	5
Ordnance Survey Plan	1:1,250	1955	6
Ordnance Survey Plan	1:2,500	1955	7
Additional SIMs	1:1,250	1955	8
Ordnance Survey Plan	1:1,250	1971 - 1974	9
Large-Scale National Grid Data	1:1,250	1993	10

Historical Map - Segment B6



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Kincardineshire

Published 1867

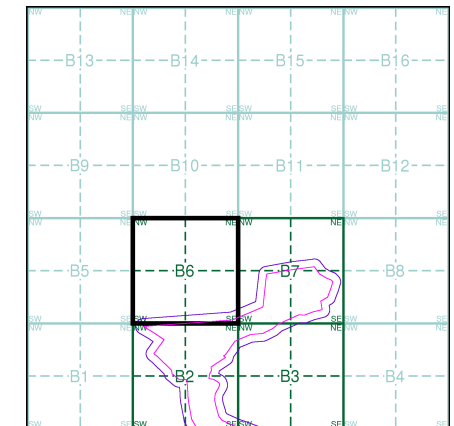
Source map scale - 1:2,500

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)

004A_03	1867	1:2,500
004_03	1867	1:2,500

Historical Map - Segment B6



Order Details

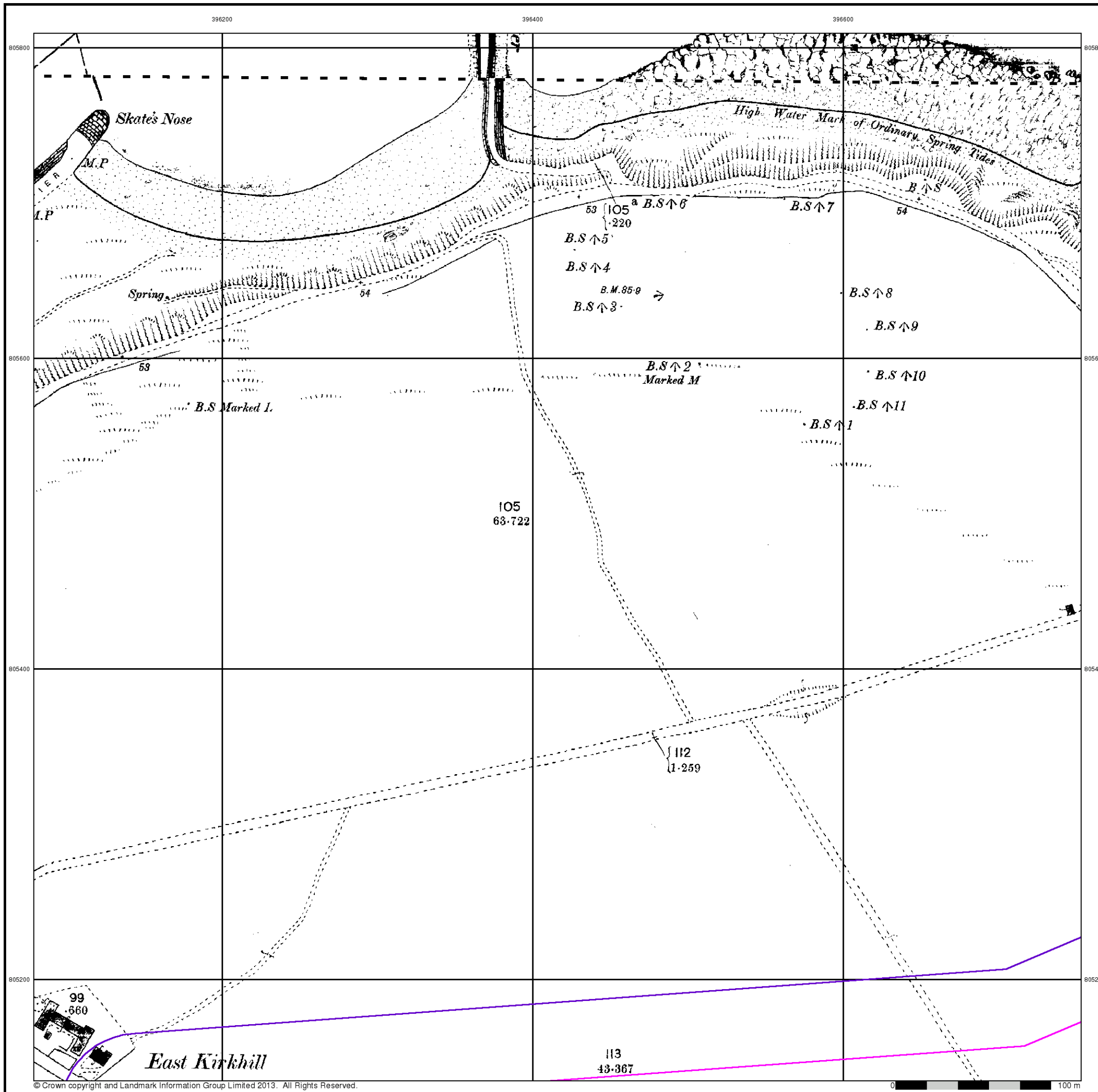
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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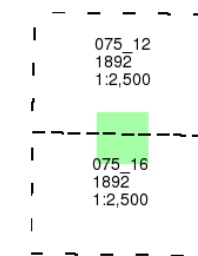
Aberdeenshire

Published 1892

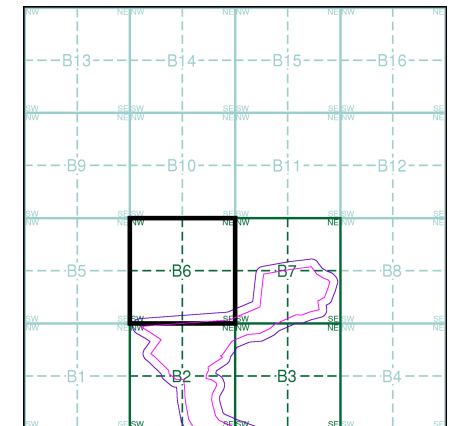
Source map scale - 1:2,500

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 B6



Order Details

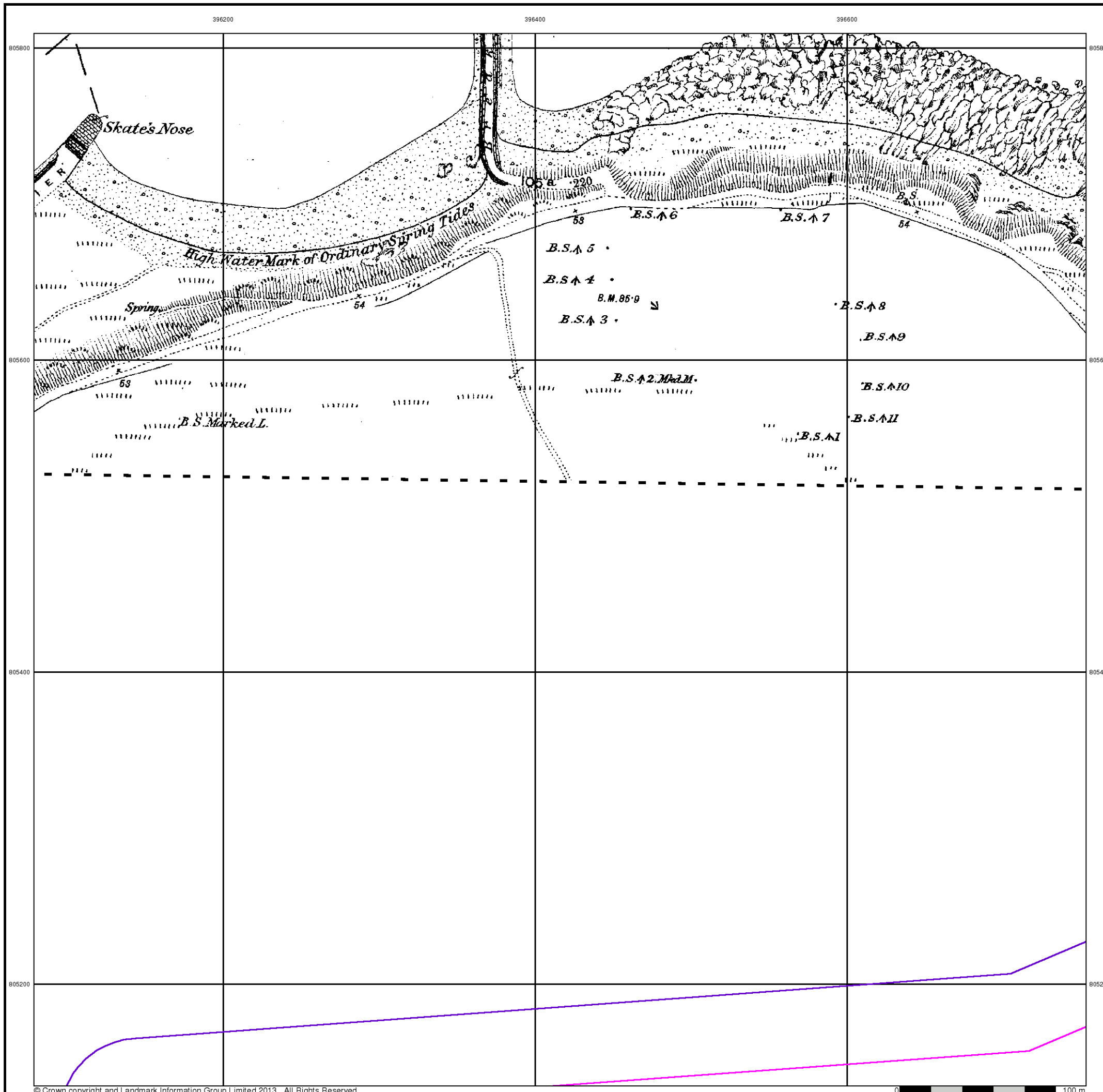
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

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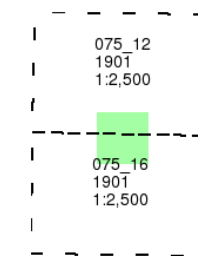
Aberdeenshire

Published 1901

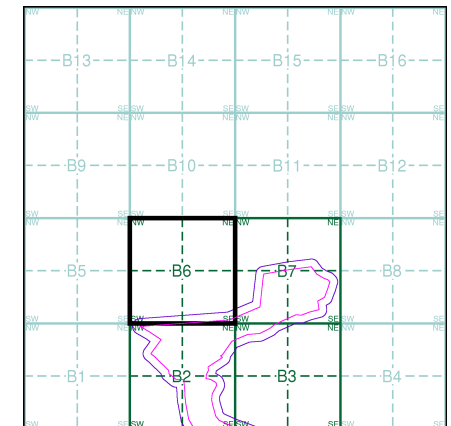
Source map scale - 1:2,500

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 B6



Order Details

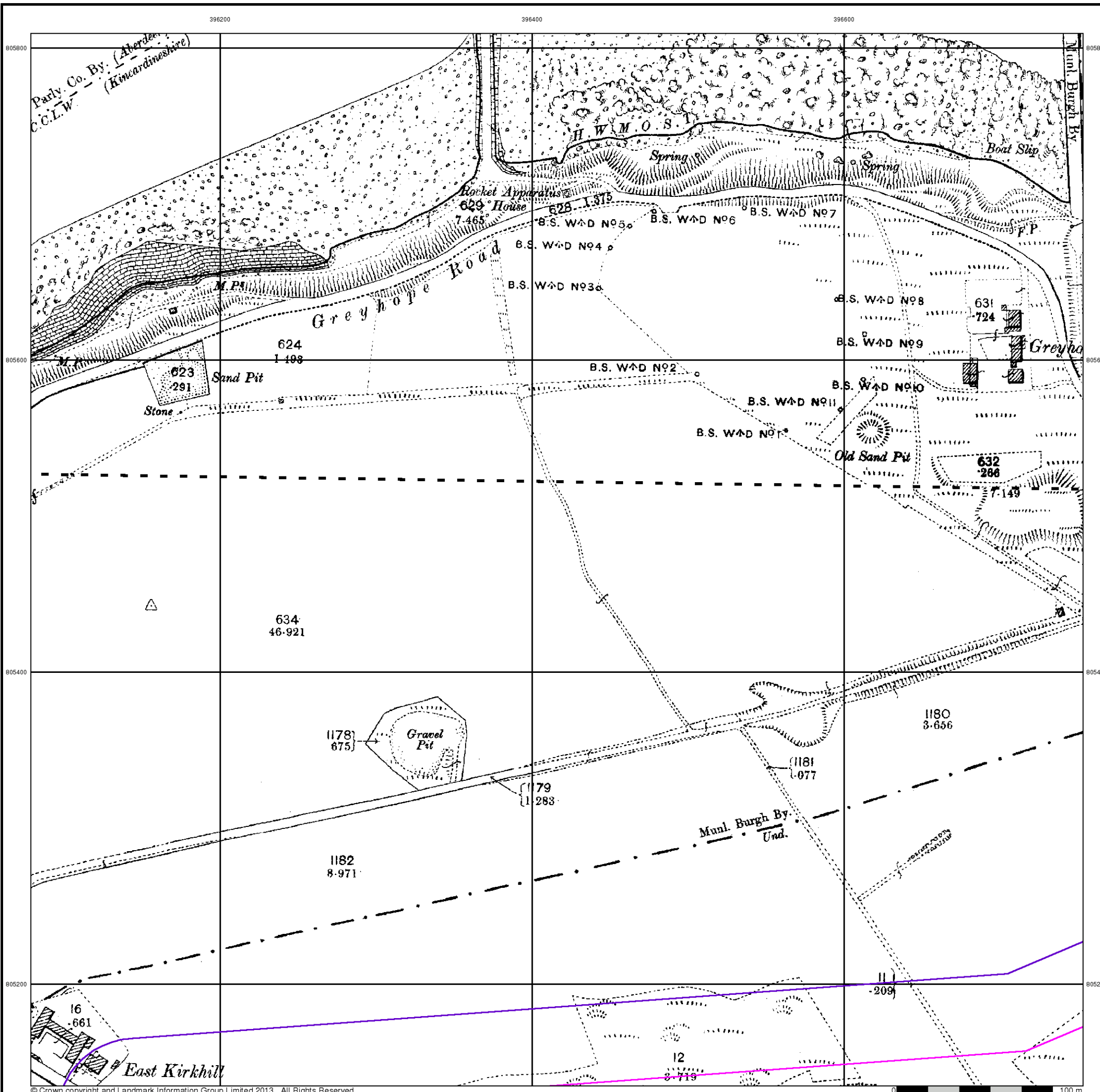
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
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Partly Co. By. (Aberdeen)
C.C.L.W. (Kincairdineshire)

H.W.M.O.S.I.

Greyhope Road

Sand Pit

Old Sand Pit

Gravel Pit

Munl. Burgh By. Und.

East Kirkhill



Ordnance Survey Plan

Published 1955

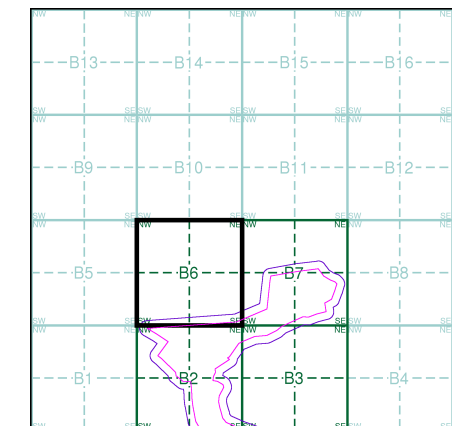
Source map scale - 1:1,250

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)

NJ9605NW 1955 1:1,250	NJ9605NE 1955 1:1,250
NJ9605SW 1955 1:1,250	NJ9605SE 1955 1:1,250

Historical Map - Segment B6



Order Details

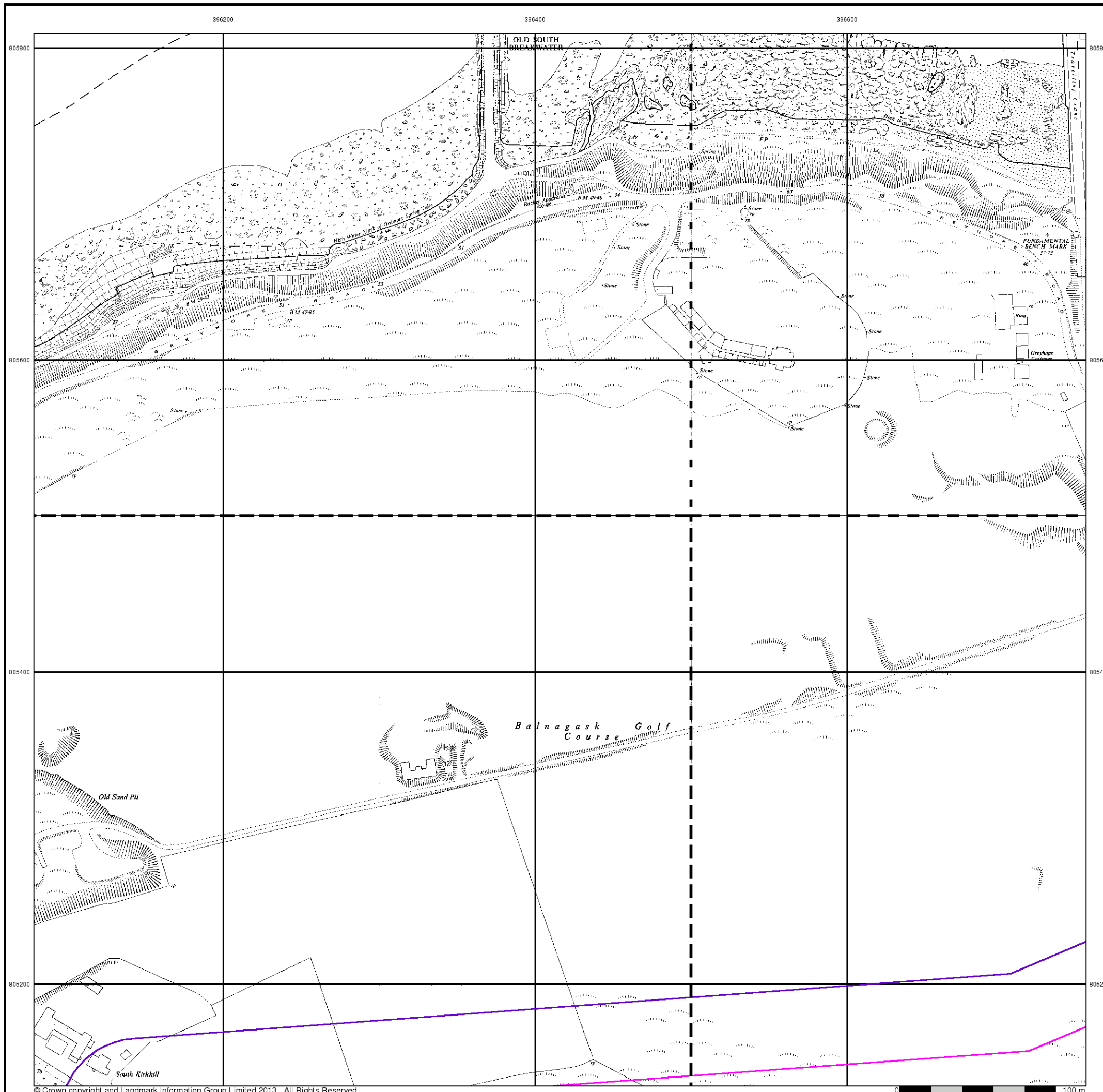
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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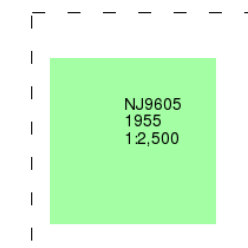
Ordnance Survey Plan

Published 1955

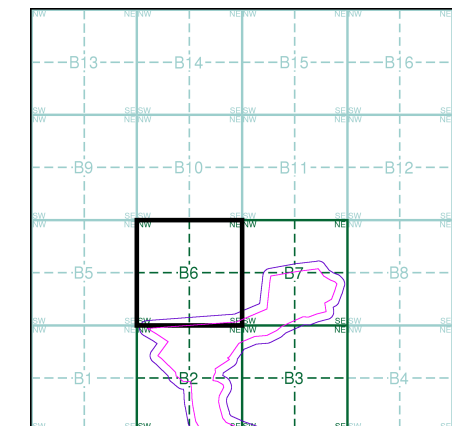
Source map scale - 1:2,500

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 B6



Order Details

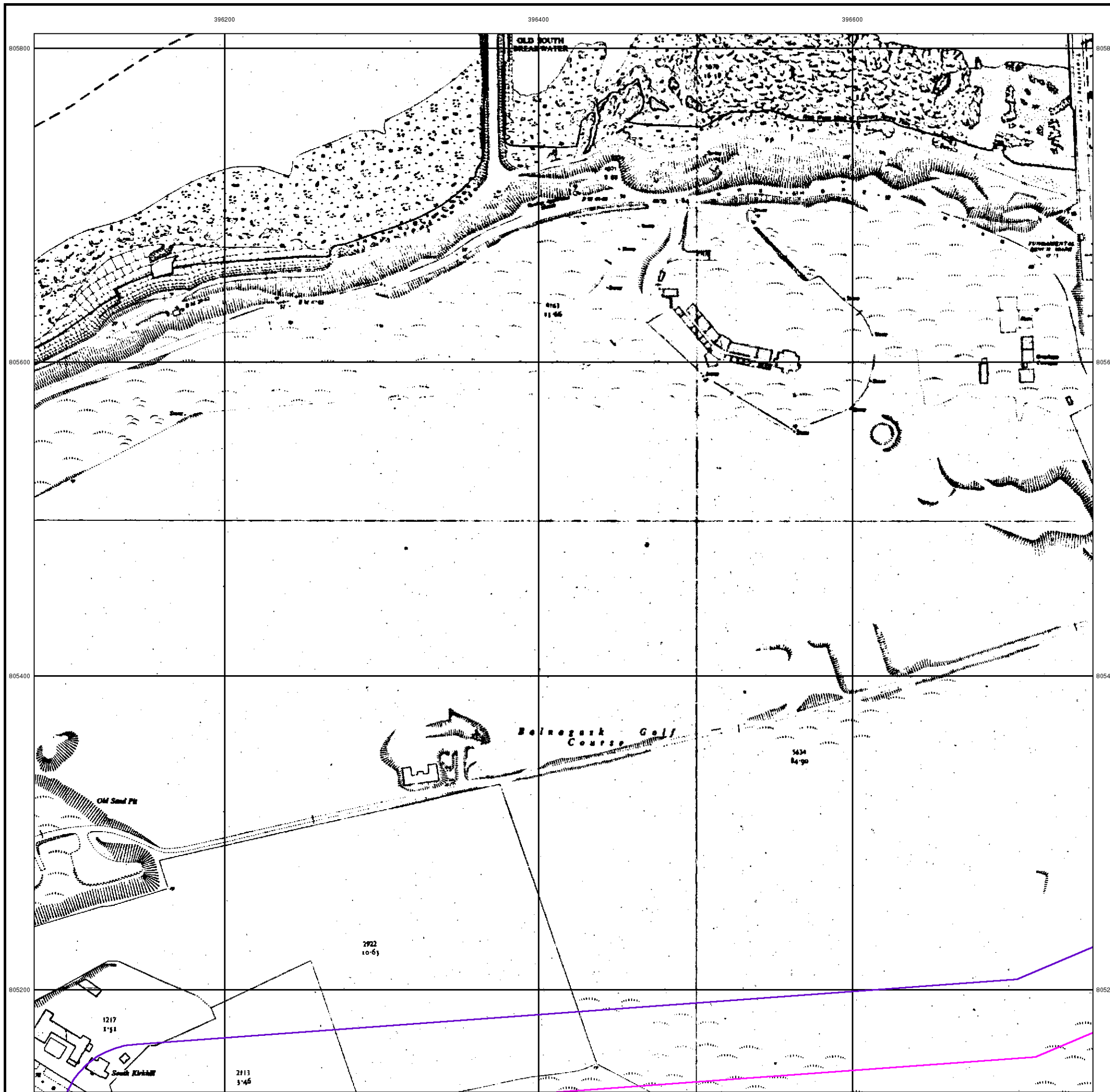
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Customer Ref:	EED14221-100
National Grid Reference:	396790, 805160
Slice:	B
Site Area (Ha):	63.21
Search Buffer (m):	50

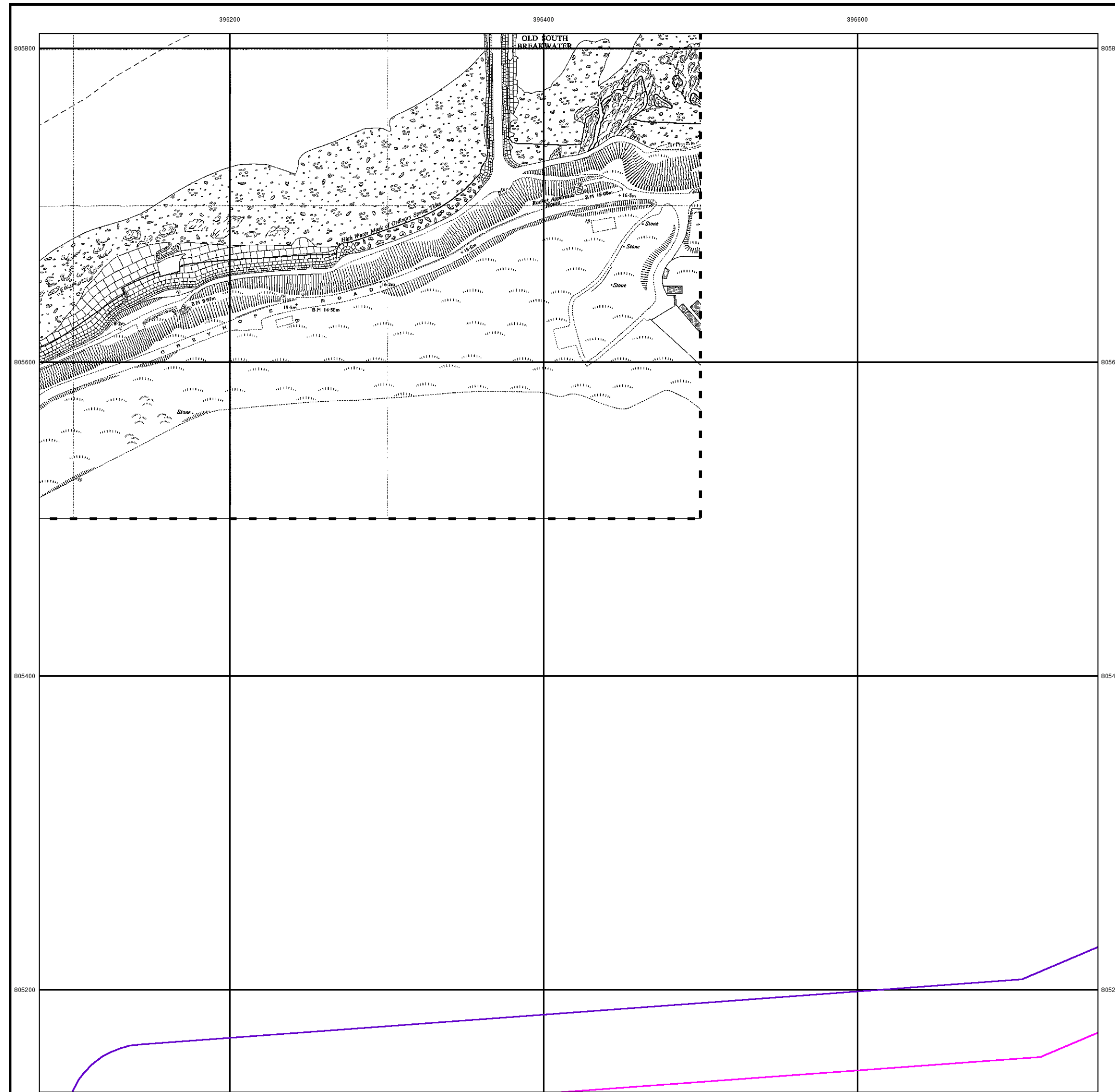
Site Details

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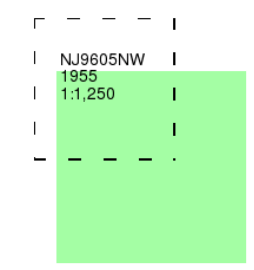




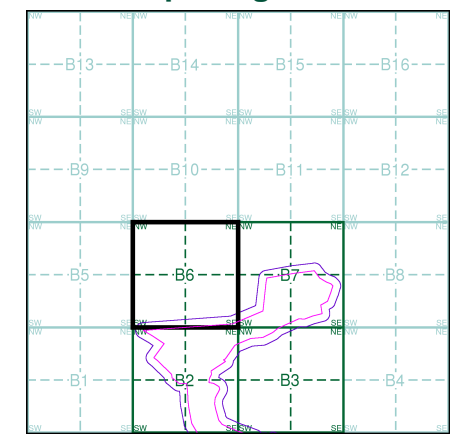
Additional SIMs
Published 1955
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment B6



Order Details

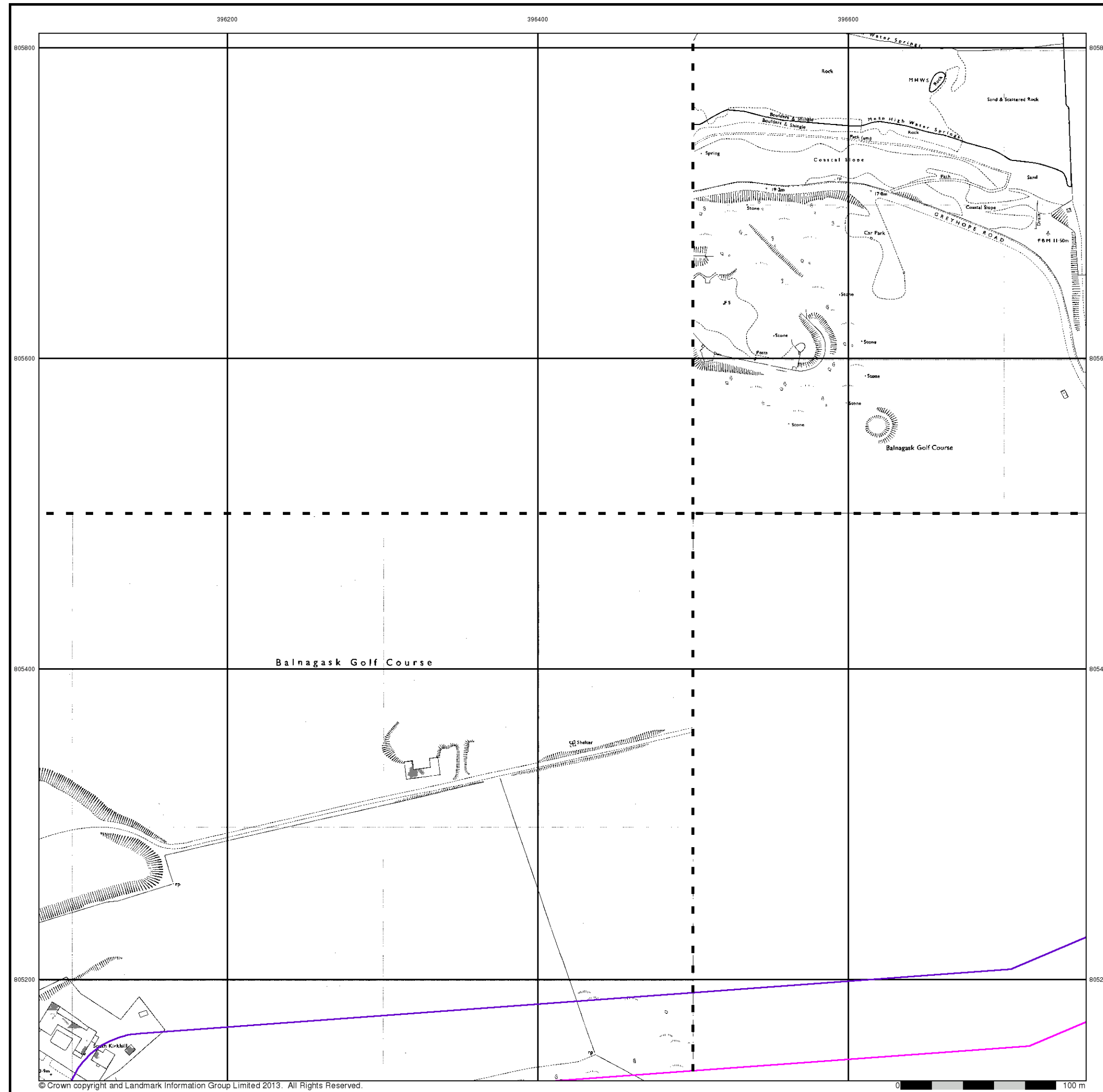
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
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Site Details

Site at, Nigg Bay, Aberdeen City



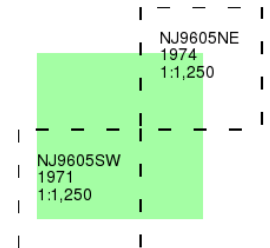
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



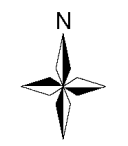
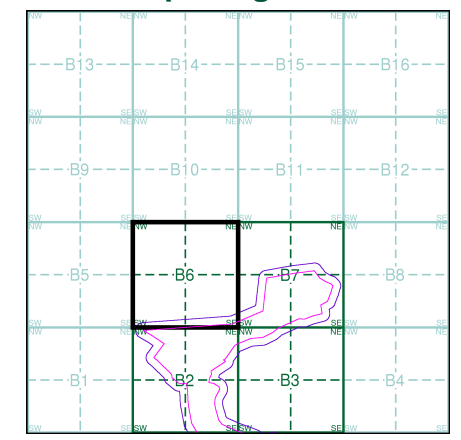
Ordnance Survey Plan
Published 1971 - 1974
Source map scale - 1:1,250

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 B6



Order Details
 Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details
 Site at, Nigg Bay, Aberdeen City

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



Large-Scale National Grid Data

Published 1993

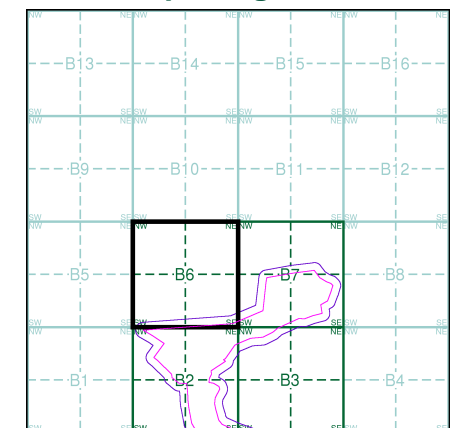
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9605NW	NJ9605NE
1993	1993
1:1,250	1:1,250
NJ9605SW	NJ9605SE
1993	1993
1:1,250	1:1,250

Historical Map - Segment B6



Order Details

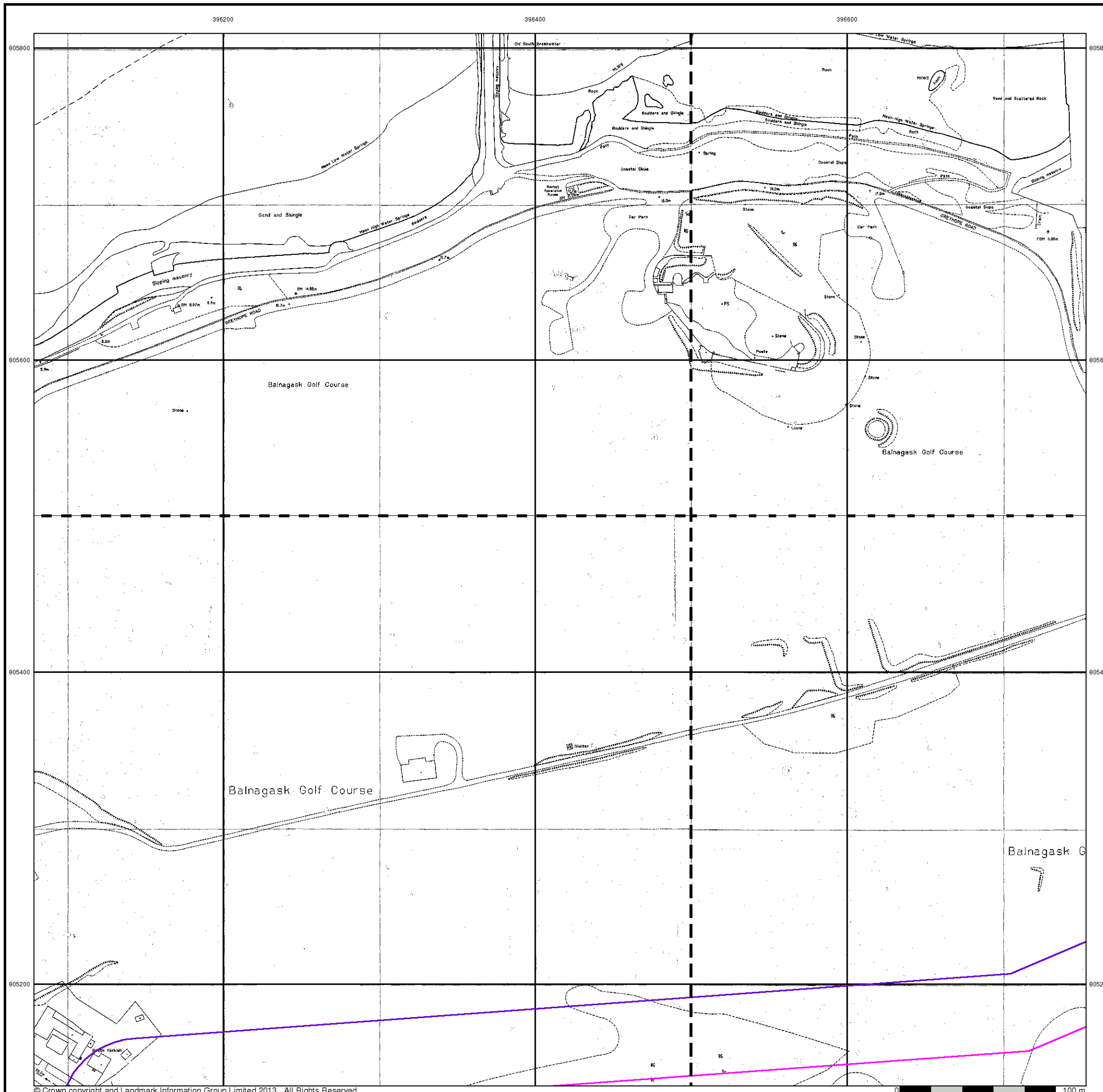
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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



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)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
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

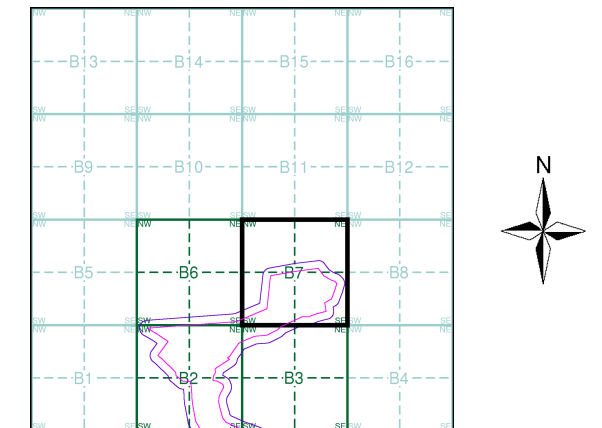
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **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
Kincardineshire	1:2,500	1867	2
Aberdeenshire	1:2,500	1892	3
Aberdeenshire	1:2,500	1901	4
Aberdeenshire	1:2,500	1925 - 1926	5
Ordnance Survey Plan	1:2,500	1954 - 1955	6
Ordnance Survey Plan	1:1,250	1955	7
Ordnance Survey Plan	1:1,250	1974 - 1975	8
Large-Scale National Grid Data	1:1,250	1993	9

Historical Map - Segment B7



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

Site at, Nigg Bay, Aberdeen City



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Kincardineshire

Published 1867

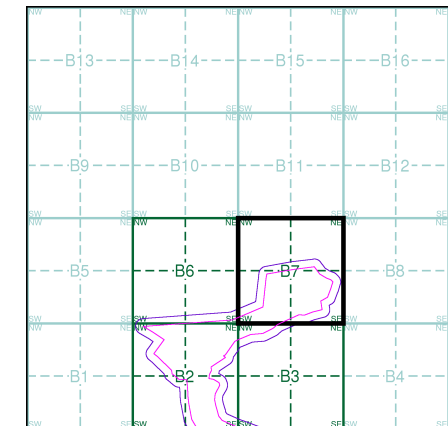
Source map scale - 1:2,500

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)

004A_03 1867 1:2,500		
004_03 1867 1:2,500	1	004_04 1867 1:2,500

Historical Map - Segment B7



Order Details

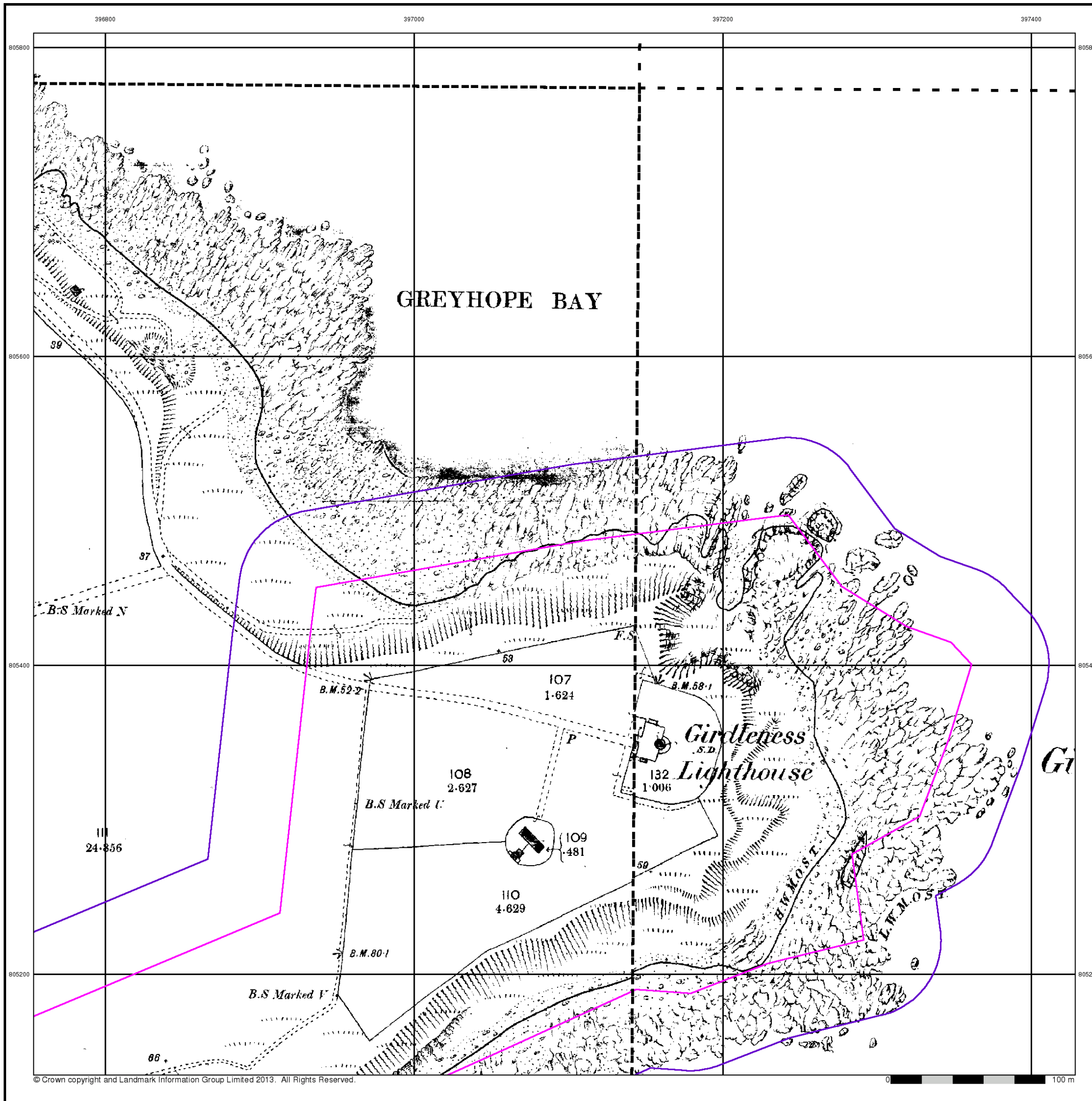
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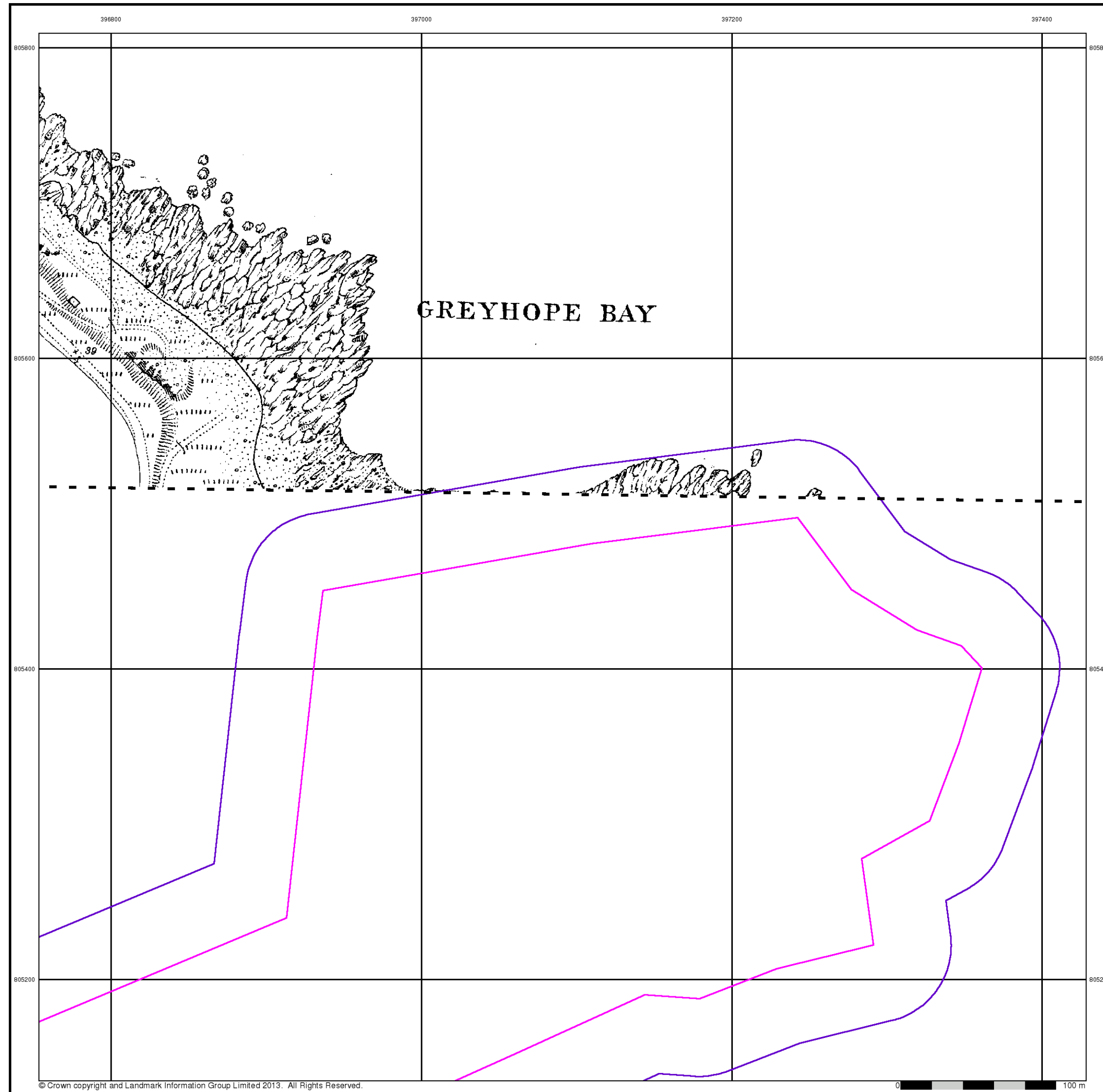
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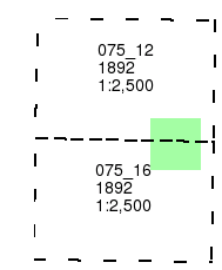
Aberdeenshire

Published 1892

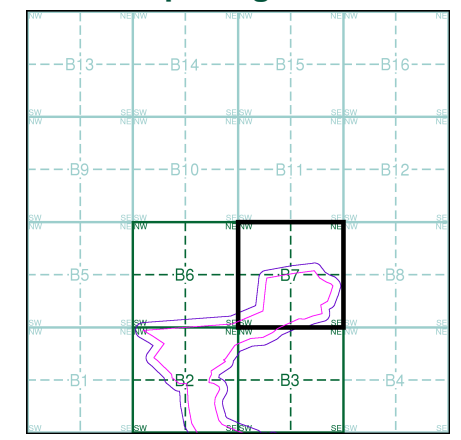
Source map scale - 1:2,500

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 B7



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
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 Site Area (Ha): 63.21
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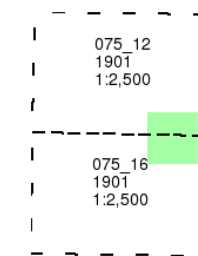
Aberdeenshire

Published 1901

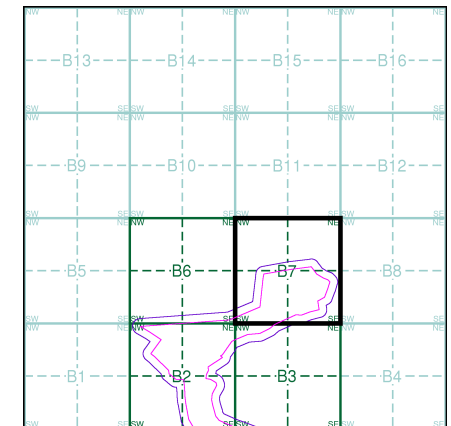
Source map scale - 1:2,500

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 B7



Order Details

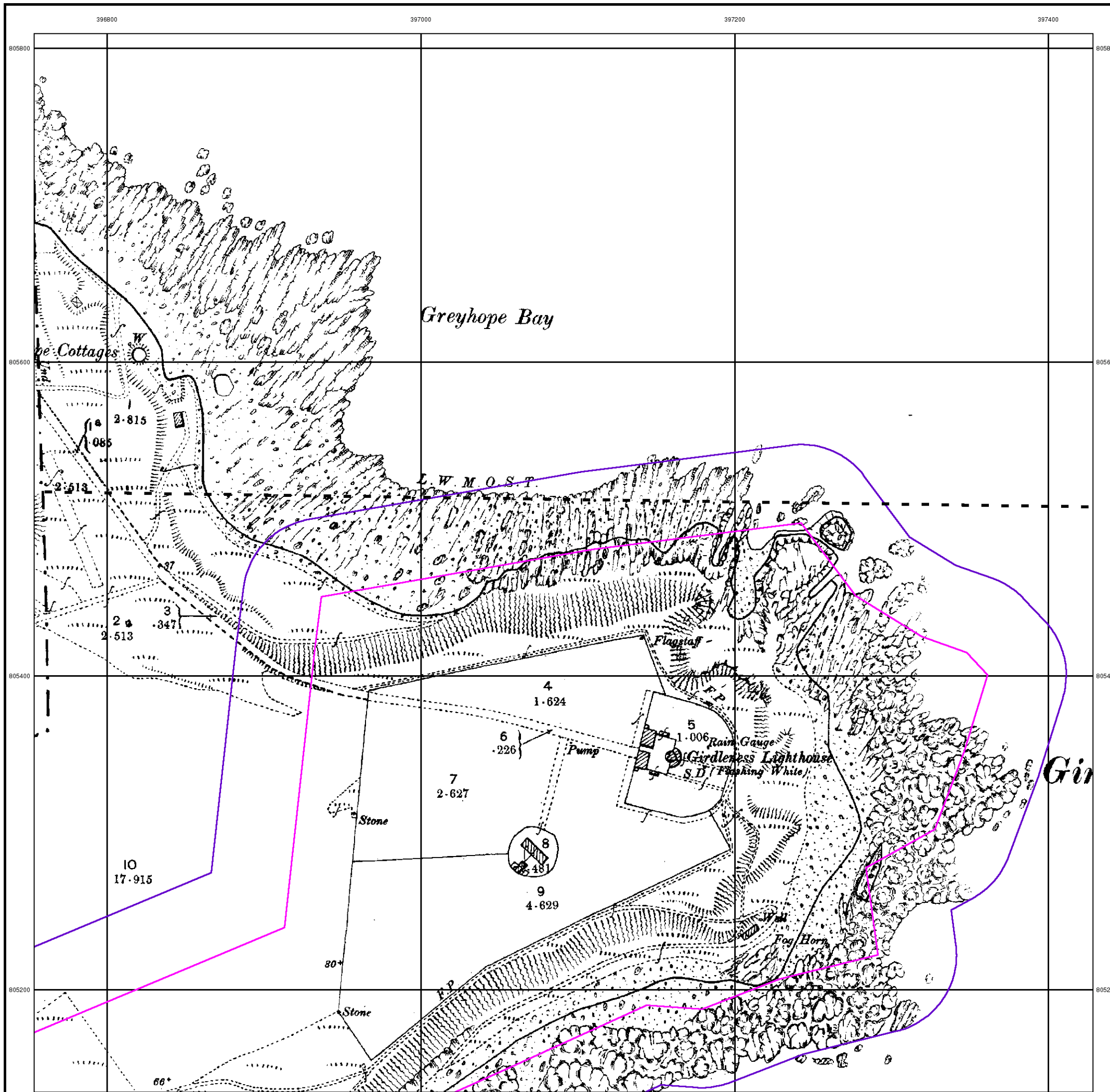
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Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

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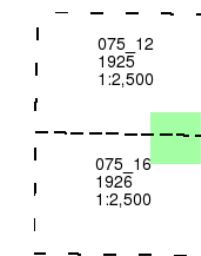
Aberdeenshire

Published 1925 - 1926

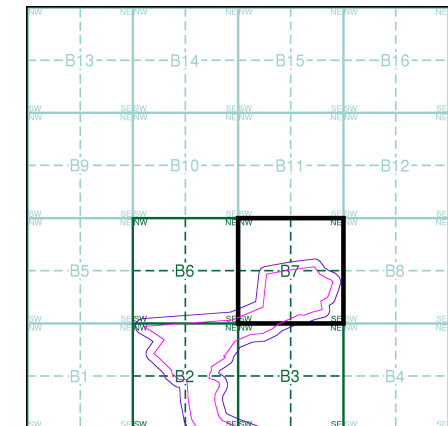
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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 B7



Order Details

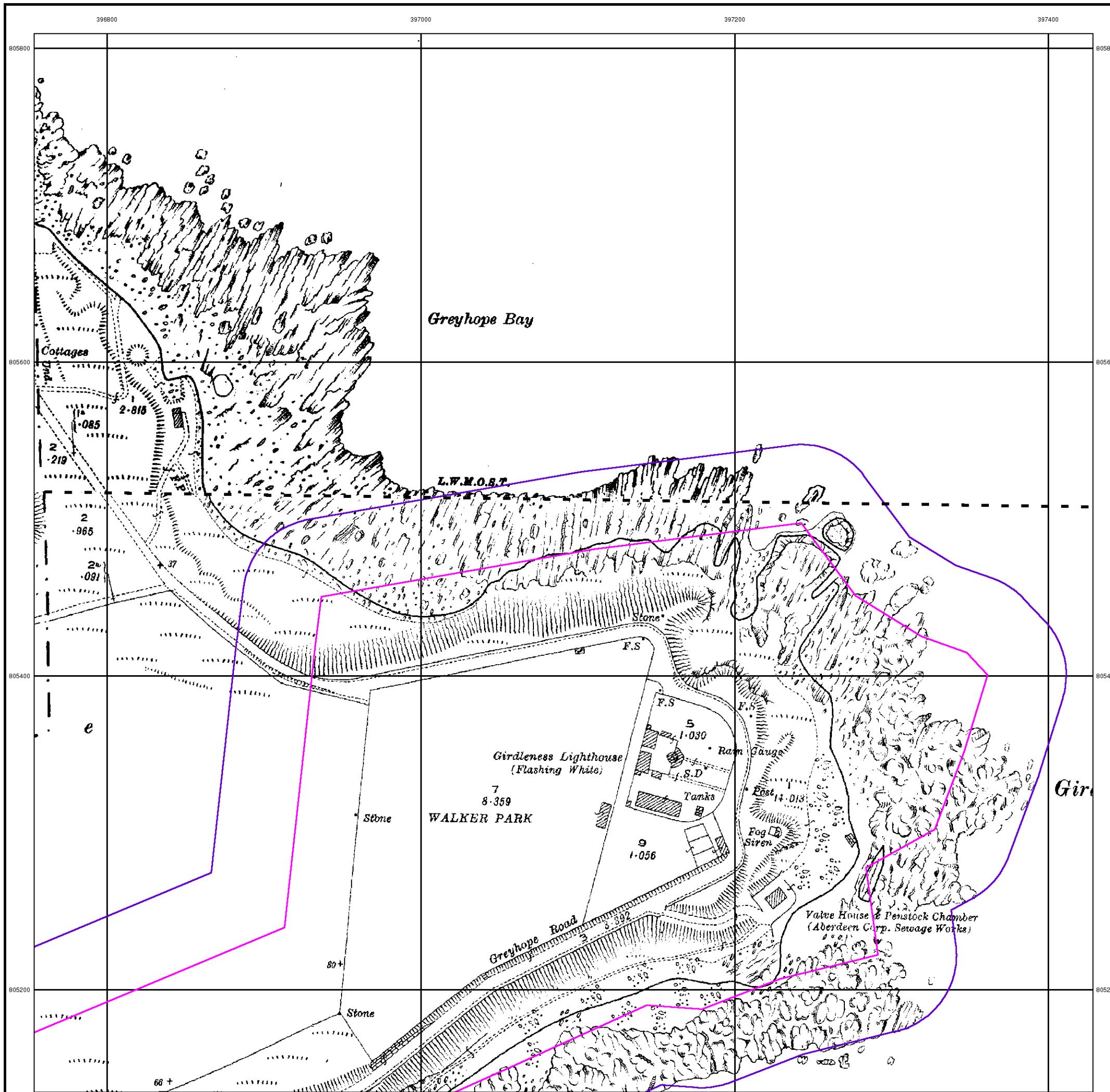
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Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

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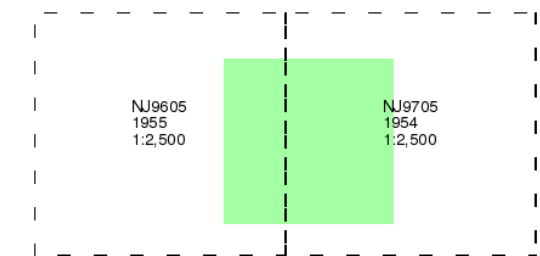
Ordnance Survey Plan

Published 1954 - 1955

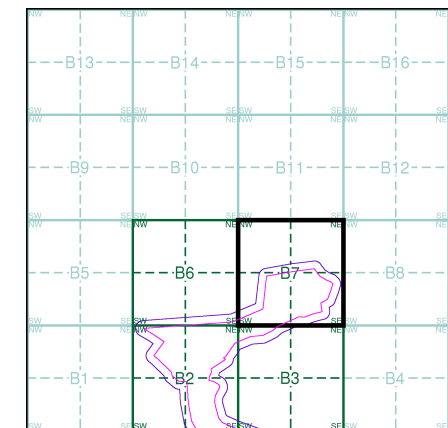
Source map scale - 1:2,500

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 B7



Order Details

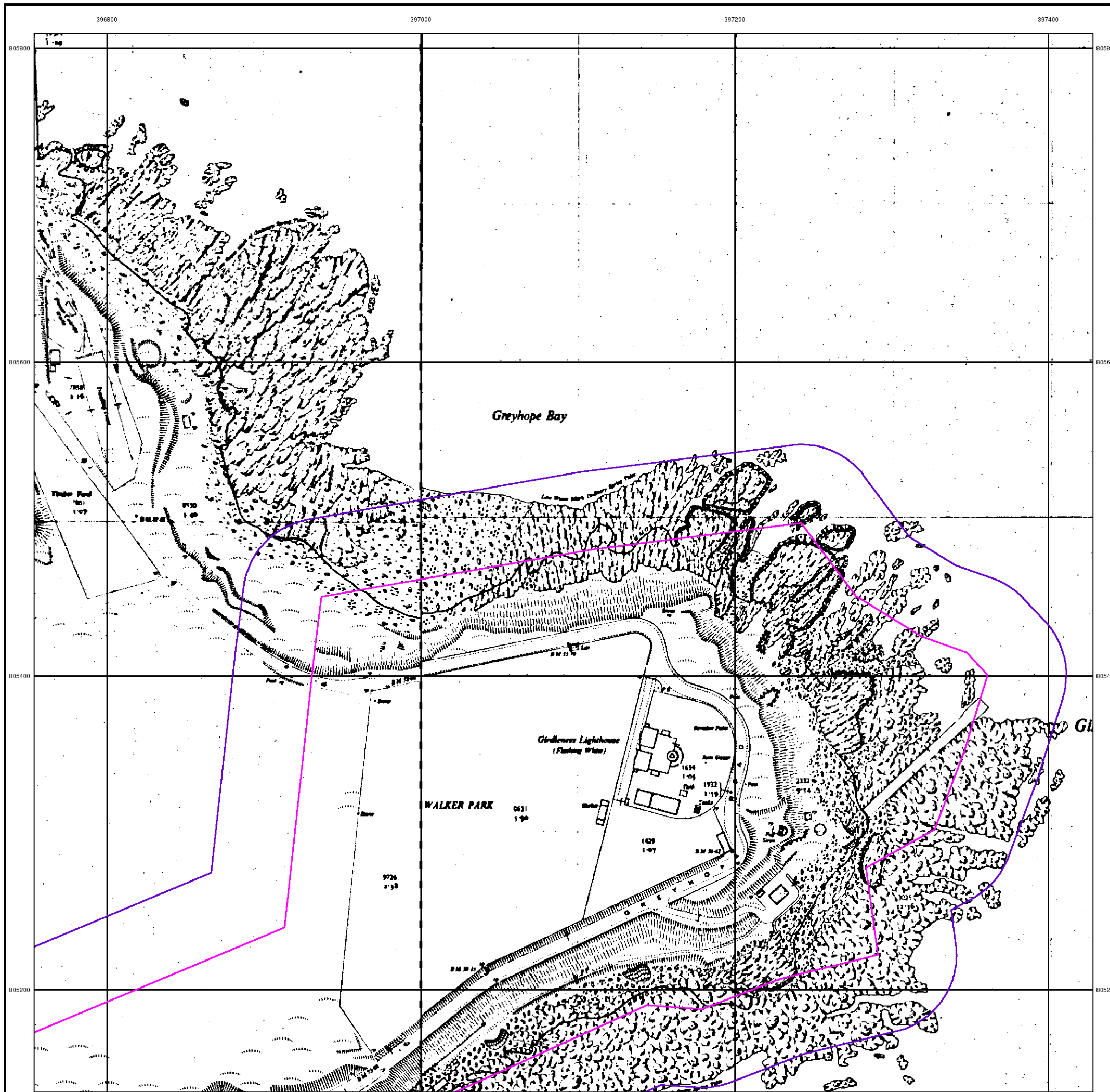
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Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

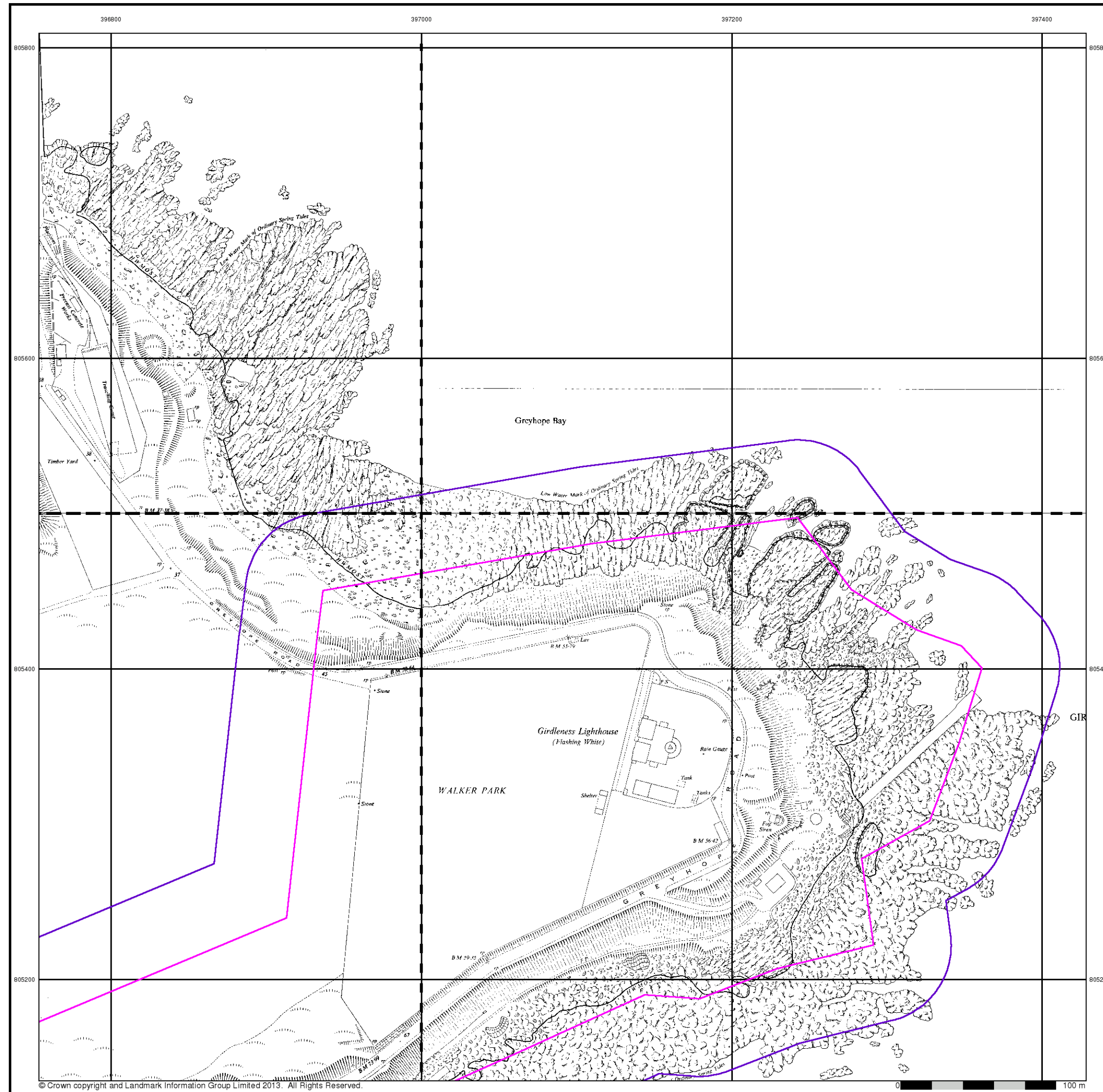
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Ordnance Survey Plan

Published 1955

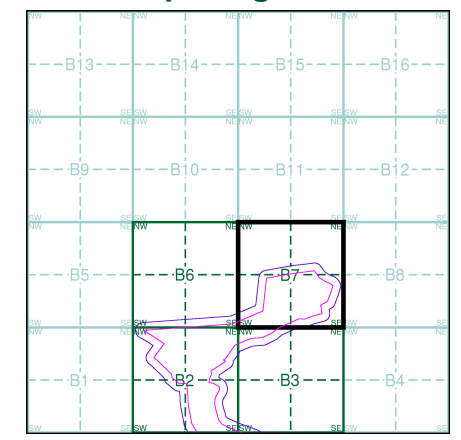
Source map scale - 1:1,250

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)

NJ9605NE 1955 1:1,250	NJ9705NW 1955 1:1,250
NJ9605SE 1955 1:1,250	NJ9705SW 1955 1:1,250

Historical Map - Segment B7



Order Details

Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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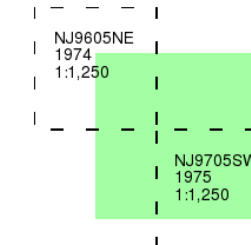
Ordnance Survey Plan

Published 1974 - 1975

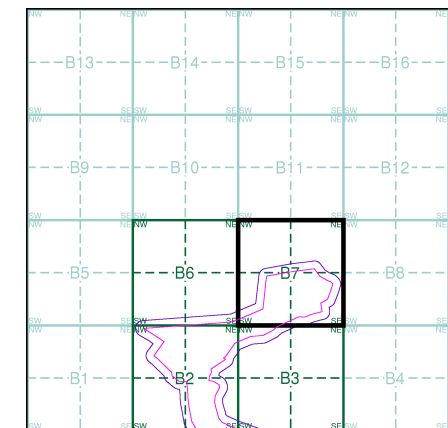
Source map scale - 1:1,250

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 B7



Order Details

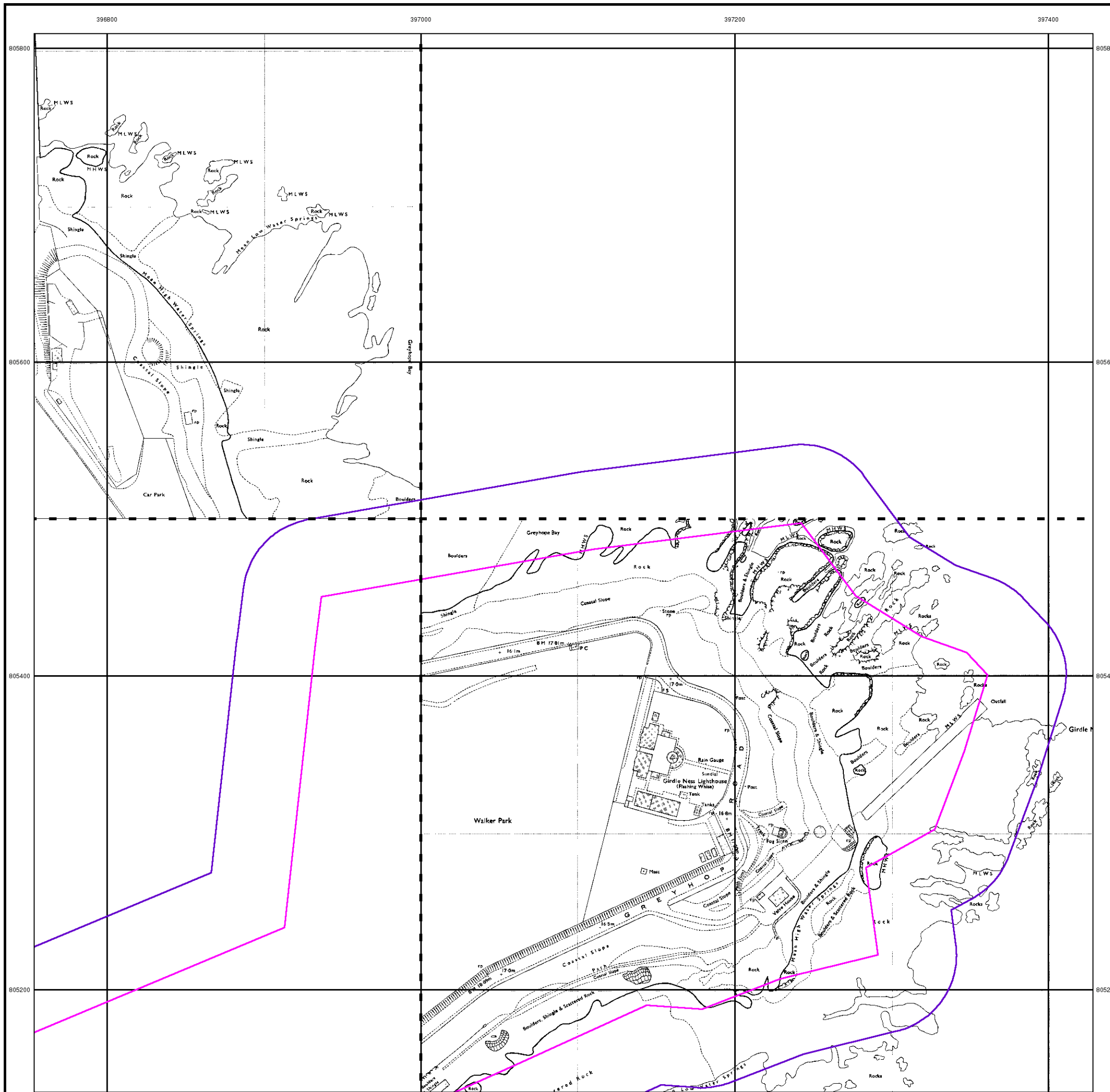
Order Number: 55426788_1_1
Customer Ref: EED14221-100
National Grid Reference: 396790, 805160
Slice: B
Site Area (Ha): 63.21
Search Buffer (m): 50

Site Details

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Large-Scale National Grid Data

Published 1993

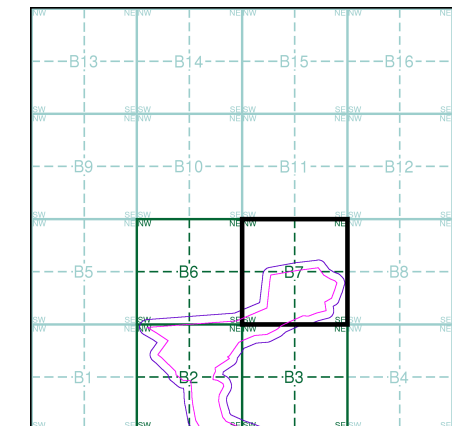
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NJ9605NE 1993 1:1,250	NJ9705NW 1993 1:1,250
NJ9605SE 1993 1:1,250	NJ9705SW 1993 1:1,250

Historical Map - Segment B7



Order Details

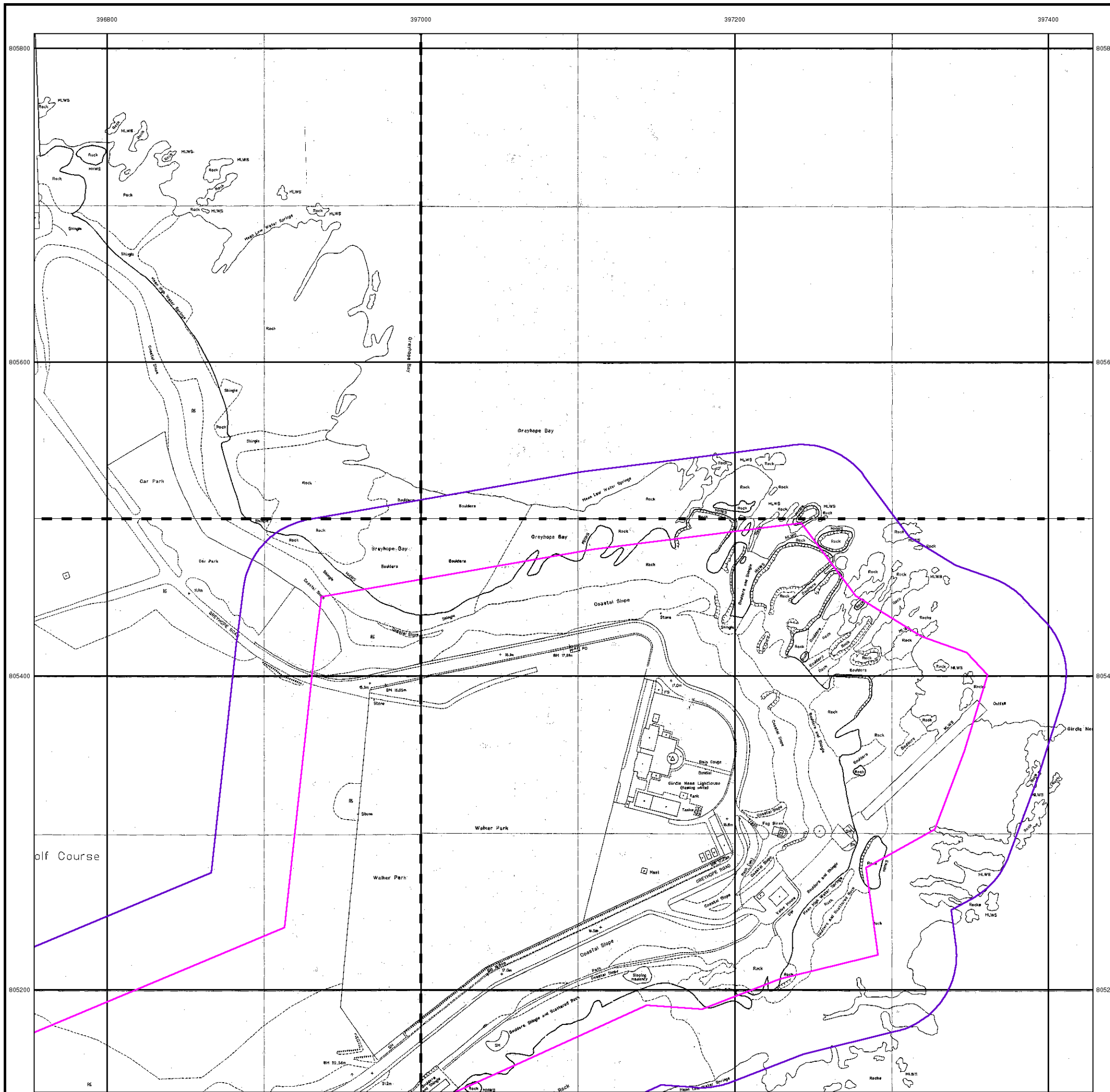
Order Number: 55426788_1_1
 Customer Ref: EED14221-100
 National Grid Reference: 396790, 805160
 Slice: B
 Site Area (Ha): 63.21
 Search Buffer (m): 50

Site Details

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Appendix D Risk Rating Matrix

Table D.1: Risk rating for contaminated land qualitative risk assessment

Level of Severity	Likelihood		
	Most Likely	Reasonably Foreseeable	Unlikely
Acute harm or severe chronic harm. Direct pollution of sensitive water receptors or serious pollution of other water bodies.	High	High	Low
Harm from long-term exposure. Slight pollution of sensitive receptors or pollution of other water bodies.	Medium	Medium	Low
No significant harm in either short or long term. No pollution of water that is likely to affect sensitive receptors. No more than slight pollution of other water bodies.	Low	Low	Low

Appendix E Environmental Receptors

Table E.1: Categories of significant harm to human health, ecological systems and property

Type of receptor	Description of Harm to that Type of Receptor that is to be Regarded as Significant Harm
Human beings	<p>Death, disease, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</p> <p>For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned.</p>
<p>Any ecological system, or living organism forming part of such a system, within a location which is:</p> <ul style="list-style-type: none"> • an area notified as an area of special scientific interest (commonly called a Site of Special Scientific Interest – SSSI) under section 28 of the Wildlife and Countryside Act 1981; • any land declared a national nature reserve under section 35 of that Act; • any area designated as a marine nature reserve under section 36 of that Act; • an Area of Special Protection for Birds, established under section 3 of that Act; • any European Site within the meaning of regulation 10 of the Conservation (Natural Habitats etc) Regulations 1994 (ie Special Areas of Conservation and Special Protection Areas); • any candidate Special Areas of Conservation (see Scottish Office Circular 6/1995) or potential Special Protection Areas given equivalent protection; • any habitat or site afforded policy protection (ie candidate Special Areas of Conservation, potential Special Protection Areas and listed Ramsar sites); • any nature reserve established under section 21 of the National Parks and Access to the Countryside Act 1949; or • any National Park designated under the National Parks 	<p>For any protected location:</p> <ul style="list-style-type: none"> • harm which results in an irreversible adverse change, or in some other substantial adverse change, in the functioning of the ecological system within any substantial part of that location; or • harm which affects any species of special interest within that location and which endangers the long-term maintenance of the population of that species at that location. <p>In addition, in the case of a protected location which is a European Site (or a candidate Special Area of Conservation or a potential Special Protection Area), harm which is incompatible with the favourable conservation status of natural habitats at that location or species typically found there.</p> <p>In determining what constitutes such harm, the local authority should have regard to the advice of Scottish Natural Heritage and to the requirements of the Conservation (Natural Habitats etc) Regulations 1994.</p>

Type of receptor	Description of Harm to that Type of Receptor that is to be Regarded as Significant Harm
(Scotland) Act 2000.	
Property in the form of: <ul style="list-style-type: none"> • crops, including timber; • produce grown domestically, or on allotments, for consumption; • livestock; • other owned or domesticated animals; • wild animals which are the subject of shooting or fishing rights. 	<p>For crops, a substantial diminution in yield or other substantial loss in their value resulting from death, disease or other physical damage. For domestic pets, death, serious disease or serious physical damage. For other property in this category, a substantial loss in its value resulting from death, disease or other serious physical damage.</p> <p>The local authority should regard a substantial loss in value as occurring only when a substantial proportion of the animals or crops are dead or otherwise no longer fit for their intended purpose. Food should be regarded as being no longer fit for purpose when it fails to comply with the provisions of the Food Safety Act 1990. Where a diminution in yield or loss in value is caused by a pollutant linkage, a 20% diminution or loss should be regarded as a benchmark for what constitutes a substantial diminution or loss.</p>
Property in the form of buildings. For this purpose, 'building' means "any structure or erection, and any part of a building including any part below ground level, but does not include plant or machinery comprised in a building".	<p>Structural failure, substantial damage or substantial interference with any right of occupation.</p> <p>For this purpose, the local authority should regard substantial damage or substantial interference as occurring when any part of the building ceases to be capable of being used for the purpose for which it is or was intended.</p> <p>Additionally, in the case of a scheduled Ancient Monument, substantial damage should be regarded as occurring when the damage significantly impairs the historic, architectural, traditional, artistic or archaeological interest by reason of which the monument was scheduled.</p>

Reproduced from Scottish Executive (2006) Contaminated Land Statutory Guidance pursuant to section 78YA of the Environmental Protection Act 1990 as amended by Section 57 of the Environment Act 1995.

Table E2: Significant possibility of significant harm to human health, ecological systems and property

Description of Significant Harm (as Defined in Table E1)	Conditions for there Being a Significant Possibility of Significant Harm
<p>Human health effects arising from</p> <ul style="list-style-type: none"> • The intake of a contaminant, or • Other direct bodily contact with a contaminant (exposure). 	<p>If the amount of the pollutant in the pollutant linkage in question:</p> <ul style="list-style-type: none"> – which a human receptor in that linkage might take in, <p>or</p> <ul style="list-style-type: none"> – to which such a human might otherwise be exposed, as a result of the pathway in that linkage, would represent an unacceptable intake or exposure, assessed on the basis of relevant information on the toxicological properties of that pollutant. <p>Such an assessment should take into account:</p> <ul style="list-style-type: none"> – the likely total intake of, or exposure to, the substance or substances which form the pollutant, from all sources including that from the pollutant linkage in question; – the relative contribution of the pollutant linkage in question to the likely aggregate intake of, or exposure to, the relevant substance or substances; and – the duration of intake or exposure resulting from the pollutant linkage in question. – The question of whether an intake or exposure is unacceptable is independent of the number of people who might experience or be affected by that intake or exposure. <p>Toxicological properties should be taken to include carcinogenic, mutagenic, teratogenic, pathogenic, endocrinedisrupting and other similar properties.</p>
<p>All other human health effects (particularly by way of explosion or fire)</p>	<p>If the probability, or frequency, of occurrence of significant harm of that description is unacceptable, assessed on the basis of relevant information concerning:</p> <ul style="list-style-type: none"> – that type of pollutant linkage, or – that type of significant harm arising from other causes. <p>Such an assessment should take into account the levels of risk which have been judged unacceptable in other similar contexts.</p>
<p>All ecological system effects</p>	<p>If significant harm of that description is more likely than not to result from the pollutant linkage in question, taking into account relevant information for that type of pollutant linkage, particularly in relation to the ecotoxicological effects of the pollutant.</p>
<p>All animal and crop effects</p>	<p>If significant harm of that description is more likely than not to result from the pollutant linkage in question, taking into account relevant information for that type of pollutant linkage, particularly in relation to the ecotoxicological effects of the pollutant.</p>
<p>All building effects</p>	<p>If significant harm of that description is more likely than not to result from the pollutant linkage in question during the expected economic life of the building (or, in the case of a scheduled Ancient Monument, the foreseeable future), taking into account relevant information for that type</p>

Description of Significant Harm (as Defined in Table E1)	Conditions for there Being a Significant Possibility of Significant Harm
	of pollutant linkage.

Reproduced from Scottish Executive (2006) Contaminated Land Statutory Guidance pursuant to section 78YA of the Environmental Protection Act 1990 as amended by Section 57 of the Environment Act 1995.

Table E3: Significant pollution to the water environment

WHAT POLLUTION IS TO BE REGARDED AS “SIGNIFICANT”?
<p>Significant pollution is determined by assessing the potential for impact/harm/damage associated with the substance in the water environment. The pollution needs to be attributable to the pollutant linkage on its own, or where it contributes to significant pollution in conjunction with other sources, the land in question must be a material contributor to the resultant pollution of the water environment.</p>
<p>In determining whether pollution of the water environment is “significant pollution of the water environment” for the purposes of section 78A(2)(b), the local authority shall have regard to the following:-</p>
<p>Measures of significant pollution</p>
<ul style="list-style-type: none"> • Whether there is a breach of, or failure to meet, any statutory quality standard for the water environment at an appropriate pollution assessment point. In the absence of any suitable UK or EU standard, other international standards can be used where demonstrated to be appropriate; • Whether there is a breach of, or a failure to meet, any operational standard adopted by SEPA for the protection of the water environment; • Whether the pollution results in an increased level of treatment for an existing drinking water supply to ensure it is suitable for use, and to comply with the requirements of Council Directive 98/83/EC on the quality of water intended for human consumption. The potential for an increased level of treatment must also be considered for future use in drinking water protected areas as defined in sections 6 and 7 of the Water Environment and Water Services (Scotland) Act 2003; • Whether the pollution results in an increased level of pre-treatment of water abstracted for industrial purposes; • Whether the pollution results in:- <ul style="list-style-type: none"> • deterioration in the status of a water body or failure to meet good status objectives, as defined in the Water Framework Directive 2000/60/EC; and/or • the failure of a Protected Area to meet its objectives, as defined in the Water Framework Directive 2000/60/EC; • Whether there is a significant and sustained upward trend in the concentration of pollutants in groundwater being affected by the land in question; • Whether there is a material and adverse impact on the economic, social and/or amenity use associated with a particular water environment.
<p>Scale of significant pollution</p>
<p>To assist in determining a site specific minimum threshold to filter out lower priority cases, and to highlight the most serious and pressing problems first, failure of the standards above shall be determined with reference to the following factors:-</p>
<ul style="list-style-type: none"> • The extent and longevity of the resultant pollution: <ul style="list-style-type: none"> • The area/volume of water impacted; • Whether the period of time for which the water will be affected will be very short (e.g. hours, days, weeks compared with months, years, decades); and • The characteristics of the pollutants such as persistence, toxicity, potential for bioaccumulation; also carcinogenicity, mutagenicity and teratogenicity.

Reproduced from Scottish Executive (2006) Contaminated Land Statutory Guidance pursuant to section 78YA of the Environmental Protection Act 1990 as amended by Section 57 of the Environment Act 1995.