
074057-CUR-00-XX-RP-GE-001

Royal Alexandra Hospital, Rhyl

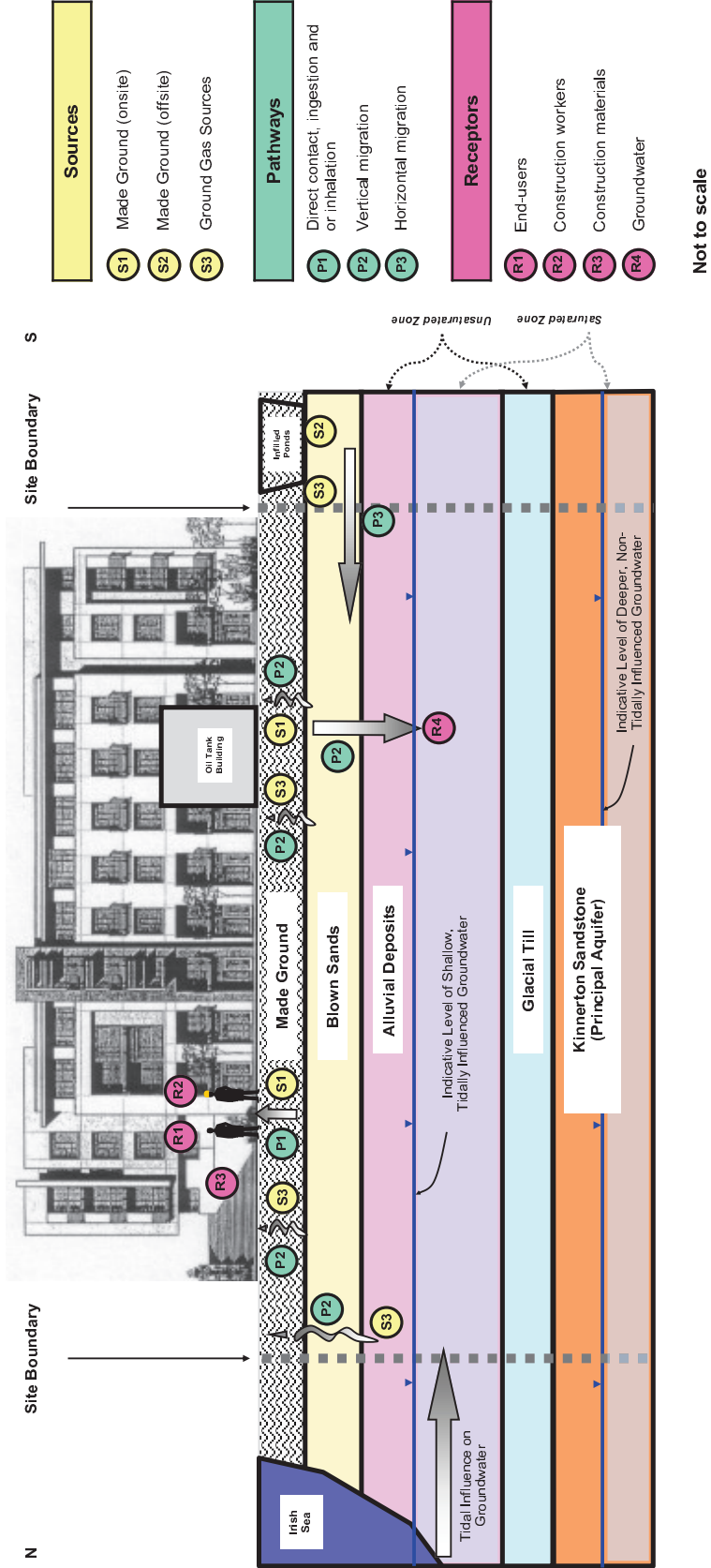
Phase 1 Preliminary Risk Assessment



Appendix A Drawings

- DWNDCH-GDA-VV-ZZ-DR-A-05_20-0002_P01 – Proposed Site Plan
- 074057.300-CUR-00-XX-DR-GE-001-V01_Diagrammatic_CSM – Diagrammatic CSM

Royal Alexandra Hospital, Rhyll



 Merchant Exchange 17-19 Whitworth Street West Manchester, M1 5WG Tel: 0161 236 2394	Project		Job Reference		Author		Client	
	Royal Alexandra Hospital, Rhyll		074057.300		EM		Kier Construction Northern	
	Drawing Title		Date		Checked		Drawing Number	
	Diagrammatic Conceptual Site Model		05/02/2020		SM		074057.300-CUR-00-XX-DR-GE-001-V01	

Appendix B Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

232272312_1_1

Customer Reference:

B074057

National Grid Reference:

301480, 382060

Slice:

A

Site Area (Ha):

1.73

Search Buffer (m):

1000

Site Details:

Conwy & Denbighshire NHS Trust
Royal Alexandra Hospital
Marine Drive
RHYL
LL18 3AS

Client Details:

Mr E Mason
Curtins Consulting Ltd
Beetham Court
51-55 Tithebarn Street
Liverpool
L2 2SB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	10
Hazardous Substances	-
Geological	13
Industrial Land Use	15
Sensitive Land Use	25
Data Currency	26
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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	3	15
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 6				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 6				4
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 7				1
Water Abstractions	pg 7				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 8		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 8		Yes	n/a	n/a
OS Water Network Lines	pg 8			7	2

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 10				4
Local Authority Landfill Coverage	pg 10	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 10				1
Potentially Infilled Land (Water)	pg 10			4	22
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 12	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	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 13	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 13	Yes			Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 15		4	2	58
Fuel Station Entries	pg 20				2
Points of Interest - Commercial Services	pg 20			2	16
Points of Interest - Education and Health	pg 22	5	1		
Points of Interest - Manufacturing and Production	pg 22				4
Points of Interest - Public Infrastructure	pg 23		3	2	9
Points of Interest - Recreational and Environmental	pg 24				6
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 25	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas	pg 25				2
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	301483 382059
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	29	1	301450 381950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	103	1	301483 382250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	268	1	301800 381900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	419	1	301200 381650
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rhyl Russel Road (Bryntirion A) Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: Cm0185901 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 4th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Sw Sewer Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A13SE (S)	75	2	301500 381900
2	Discharge Consents Operator: Celtic Cars Property Type: Undefined Or Other Location: Vale Road Service Station Rhyl Authority: Natural Resources Wales Catchment Area: R Clwyd (Mouth) Reference: Cm0003201 Permit Version: 1 Effective Date: 6th November 1967 Issued Date: 6th November 1967 Revocation Date: 5th April 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Rhyl Cut Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14NW (E)	298	2	301850 382150
3	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Rhyl Clifton Park Road - Sso Authority: Natural Resources Wales Catchment Area: R Clwyd (Mouth) Reference: CM0173001 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 30th March 2005 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Rhyl Cut Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	410	2	301800 381700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Rhuddlan Borough Council Property Type: Undefined Or Other Location: Rhyl Tynewydd Housing Estate Authority: Natural Resources Wales Catchment Area: R Clwyd (Mouth) Reference: Cm0037601 Permit Version: 1 Effective Date: 18th November 1966 Issued Date: 18th November 1966 Revocation Date: 18th February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Rhyl Cut Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14SW (E)	454	2	302000 381890
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Stations Location: Ty Newydd Pumping Station, Jct Pinetree Walk/Ty Newydd Road, Rhyl, Denbighshire, LL18 3sb Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0317001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	520	2	302079 381926
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Stations Location: Ty Newydd Pumping Station, Jct Pinetree Walk/Ty Newydd Road, Rhyl, Denbighshire, LL18 3sb Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0317001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	520	2	302079 381926
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Stations Location: Ty Newydd Pumping Station, Jct Pinetree Walk/Ty Newydd Road, Rhyl, Denbighshire, LL18 3sb Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0317001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	520	2	302079 381926

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Stations Location: Ty Newydd Pumping Station, Jct Pinetree Walk/Ty Newydd Road, Rhyl, Denbighshire, L18 3sb Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0317001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A14SW (E)	520	2	302079 381926
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Tynnewydd Rd P S Rhyl Authority: Natural Resources Wales Catchment Area: R Clwyd (Mouth) Reference: CG0317001 Permit Version: 1 Effective Date: 8th October 1991 Issued Date: 8th October 1991 Revocation Date: 30th March 2005 Discharge Type: Miscellaneous Discharges - Emergency Discharges Discharge: Not Supplied Environment: Receiving Water: Rhyl Cut Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A14SW (E)	532	2	302090 381920
5	Discharge Consents Operator: Rhuddlan Borough Council Property Type: Undefined Or Other Location: Rhyl Tynnewydd Housing Estate Authority: Natural Resources Wales Catchment Area: R Clwyd (Mouth) Reference: Cm0037602 Permit Version: 1 Effective Date: 18th November 1966 Issued Date: 18th November 1966 Revocation Date: 18th February 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Rhyl Cut Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14SW (E)	538	2	302100 381940
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Cso No.2, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0429701 Permit Version: 2 Effective Date: 27th October 2017 Issued Date: 27th October 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	524	2	301807 381564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Cso No.2, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0429701 Permit Version: 2 Effective Date: 27th October 2017 Issued Date: 27th October 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	524	2	301807 381564
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Cso No.2, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0429701 Permit Version: 2 Effective Date: 27th October 2017 Issued Date: 27th October 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	524	2	301807 381564
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Cso No.2, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0429701 Permit Version: 2 Effective Date: 27th October 2017 Issued Date: 27th October 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	524	2	301807 381564
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Road Cso No.1, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cm0173001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	524	2	301807 381564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Road Cso No.1, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cm0173001 Permit Version: 2 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Rhyl Cut Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	524	2	301807 381564
6	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Clifton Park Cso No.2, Rear Of 62 Clifton Park Road, Rhyl, Denbighshire, L18 4aw Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0429701 Permit Version: 1 Effective Date: 31st March 2005 Issued Date: 22nd March 2005 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The Rhyl Cut Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	525	2	301807 381563
7	Discharge Consents Operator: Vardon Attractions Ltd Property Type: Recreational & Cultural Location: Sea Life Centre, East Parade, ., Rhyl, Denbighshire, L18 3af Authority: Natural Resources Wales Catchment Area: NORTH WALES Reference: Cg0326601 Permit Version: 2 Effective Date: 26th November 2012 Issued Date: 26th November 2012 Revocation Date: Not Supplied Discharge Type: Trade And Other Matter Discharge Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Infiltration System Status: Effective Positional Accuracy: Located by supplier to within 100m	A12SW (W)	744	2	300700 381800
7	Discharge Consents Operator: Vardon Attractions Ltd Property Type: Recreational & Cultural Location: Sea Life Centre, East Parade, ., Rhyl, Denbighshire, L18 3af Authority: Natural Resources Wales Catchment Area: Boundary Of HA 66 & HA 67 Reference: CG0326601 Permit Version: 1 Effective Date: 30th April 1992 Issued Date: 30th April 1992 Revocation Date: 25th November 2012 Discharge Type: Trade Effluent Discharge: Land/Soakaway Environment: Receiving Water: To Land Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	744	2	300700 381800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Local Authority Pollution Prevention and Controls Name: Esplanade Service Station Location: Coast Road, RHYL, Clwyd, LL18 3PP Authority: Denbighshire County Council, Environmental Health Department Permit Reference: DCC/P09/EPA Dated: 20th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A14NW (E)	571	3	302133 382148
9	Local Authority Pollution Prevention and Controls Name: W.M. Morrison Supermarkets Plc Location: Marsh Road, RHYL, Denbighshire, LL18 2DF Authority: Denbighshire County Council, Environmental Health Department Permit Reference: DCC/PPC/1.2/013.2 Dated: 24th October 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	902	3	301000 381200
10	Local Authority Pollution Prevention and Controls Name: Johnsons Cleaners Location: 2 Marsh Road, Rhyl, Ll18 2dh Authority: Denbighshire County Council, Environmental Health Department Permit Reference: DCC/PPC/7.0/042.0 Dated: 18th February 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	989	3	301000 381100
	Nearest Surface Water Feature	A13NW (N)	131	-	301423 382259
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: RHYL Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 12th February 1992 Incident Reference: 3312 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	535	4	301000 381700
12	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Rhyl Fire Station Yard Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 13th November 1995 Incident Reference: 26587 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	547	4	302000 381700
13	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: Rhyl Car Park, RHYL Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Accidental Spillage/Leakage Incident Date: 17th May 1992 Incident Reference: 4377 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	663	4	301000 381500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: 1 Shaun Drive, RHYL Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Inorganic Note: Vandalism Incident Date: 24th August 1995 Incident Reference: 25494 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	953	4	300700 381400
15	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 2nd April 2002 Incident Reference: 68204 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Other	A8NE (SE)	559	2	301774 381500
	Water Abstractions Operator: Darwin (North West) Limited Licence Number: Wa/466/0007/003 Permit Version: Not Supplied Location: New Pines Caravan Park, New Pines Caravan Holiday Home & Leisure Park, Dyserth Road, Rhyll, Denbighshire, LL18 4dy Authority: Natural Resources Wales Abstraction: Private Water Supply: Drinking, Cooking, Sanitary Washing (small garden) - Commercial / Industrial / Public Services - Medium Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1662	2	303190 381661
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Intergranular Dilution: No Data Baseflow Index: No Data Superficial: <90% Patchiness: >10m Superficial Thickness: >10m Superficial Recharge: No Data	A13NE (N)	0	2	301483 382059
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: >10m Superficial Thickness: >10m Superficial Recharge: No Data	A13SE (S)	0	2	301483 382000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (N)	0	2	301483 382059

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (N)	0	2	301483 382059
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	95	2	301430 382220
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	238	2	301810 382030
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	89	2	301428 382213
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13SE (E)	230	2	301795 381985
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (N)	89	2	301428 382213
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (N)	99	2	301420 382221
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	240	2	301151 382083
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A14SW (SE)	446	5	301943 381793
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: Underground Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A14SW (SE)	447	5	301961 381822
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A14SW (SE)	447	5	301966 381830
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.6 Watercourse Level: Underground Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A14SW (SE)	456	5	301907 381732
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A9NW (SE)	468	5	301885 381692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: Underground Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A9NW (SE)	491	5	301853 381638
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 910.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A9NW (SE)	495	5	301847 381629
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A14SW (E)	531	5	302092 381937
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 581.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Cut Catchment Name: Clwyd Primacy: 1	A14SW (E)	539	5	302101 381941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Licensed Waste Management Facilities (Locations) Licence Number: UB3097TE Location: Pilkington Asbestos Removal Services Ltd, Rhyl, Rhyl, Denbighshire, Denbighshire, LL18 2PL Operator Name: Pilkington Asbestos Removal Services Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Not Supplied Licence Status: Effective Issued: 16th November 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	883	2	301664 381108
25	Licensed Waste Management Facilities (Locations) Licence Number: UB3097TE Location: Pilkington Asbestos Removal Services Ltd, Rhyl, Rhyl, Denbighshire, Denbighshire, LL18 2PL Operator Name: Pilkington Asbestos Removal Services Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Not Supplied Licence Status: Effective Issued: 16th November 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	883	2	301664 381108
25	Licensed Waste Management Facilities (Locations) Licence Number: 900001 Location: Glan Aber Works, Unit 2&3, Vale Road, Rhyl, Rhyl, LL18 2PL Operator Name: Mr Derek Edward Pilkington Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Asbestos Waste Transfer Station Licence Status: Issued Issued: 2nd May 2013 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	883	2	301664 381108
26	Licensed Waste Management Facilities (Locations) Licence Number: 37113 Location: Unit 11-12, Glan Aber Trading Est, Vale Road, Rhyl, Denbighshire, LL18 2PL Operator Name: Cannon Hygiene Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Clinical Waste Transfer Stations Licence Status: Surrendered Issued: 1st August 1994 Last Modified: 26th March 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 27th May 2004 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	935	2	301689 381060
	Local Authority Landfill Coverage Name: Denbighshire County Council - Has supplied landfill data		0	3	301483 382059
27	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A9NW (SE)	697	-	302104 381591
28	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8NE (SE)	372	-	301725 381690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A13SE (SE)	375	-	301783 381731
30	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A9NW (SE)	471	-	301887 381691
31	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A14SW (E)	497	-	302068 382058
32	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8SE (S)	683	-	301736 381339
33	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A14NE (E)	702	-	302262 382169
34	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A14NE (E)	730	-	302291 382166
35	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9NE (SE)	765	-	302174 381569
36	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9NW (SE)	771	-	302103 381482
37	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A8SW (S)	797	-	301446 381173
38	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A14NE (E)	810	-	302362 382220
39	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9NE (SE)	843	-	302221 381503
40	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A8SW (S)	844	-	301476 381125
41	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1878	A9NE (SE)	855	-	302212 381475
42	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A8SW (S)	875	-	301449 381095
43	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8SE (S)	879	-	301589 381099
44	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8SE (S)	907	-	301657 381081
45	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A9NE (SE)	927	-	302343 381526
46	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NE (E)	930	-	302434 382390
47	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A8SE (S)	944	-	301731 381062
48	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A9NE (SE)	946	-	302300 381437
49	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A15NW (E)	959	-	302518 382200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1953	A9SW (S)	959	-	301864 381094
51	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A3NE (S)	961	-	301534 381011
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9SW (SE)	966	-	301934 381122
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A3NE (S)	967	-	301563 381007
54	Registered Waste Transfer Sites Licence Holder: Clwydian Community Care Nhs Trust Licence Reference: NOW-322-L (RHU/005/93) Site Location: Royal Alexandra Hospital, Marine Drive, Rhyl, Clwyd Operator Location: Catherine Gladstone House, Mancot, DEESIDE, Flintshire, CH5 2EP Authority: Environment Agency Wales, North Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 6th September 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Clin. Grps Aa,B,C,B Coll/Disp Regs'88 Home Dialysis TrT Waste Ex N.Ciwyd Max.Storage In Licence Max.Waste Permitted By Licence Prohibited Waste: Aerosols Clinical Wastes Grps C,D,E Household Waste Liquid Wastes Mat'Ls Unsuitable For Incineration Percussive/Explosive/Similar Waste Sludge Wastes Special Wastes Sub'S Control: Radioactive Subs Act'60 Waste In Drums/Cont'Rs, Empty Drums Waste N.O.S. Water Soluble Industrial Mat'L	A13NE (NE)	0	4	301500 382100
55	Registered Waste Transfer Sites Licence Holder: Cannon Hygiene Ltd Licence Reference: NOW-320-L (RHU/008/94) Site Location: Unit 11/12 Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd Operator Location: 79 Limpsfield Road, SANDERSTEAD, Surrey, CR2 9LR Authority: Environment Agency Wales, North Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st August 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Waste, Including Commercial Office Waste Max.Storage In Licence Max.Waste Permitted By Licence Prescription Only Medicines Prohibited Waste: Liquid Waste N.O.S. Percussive/Explosive/Similar Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Sub'S Control: Radioactive Subs Act'60 Waste In Drums/Cont'Rs Waste N.O.S. Water Soluble Industrial Mat'L	A8SE (S)	945	4	301690 381050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13NE (N)	0	1	301483 382059
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	0	1	301483 382000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (N)	0	1	301483 382059
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: no data Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: no data Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: no data Concentration:	A18SW (N)	551	1	301389 382687
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: no data Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: no data Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	576	1	301000 382500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	602	1	302174 382042
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	663	1	301000 381500

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: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 600 - 1200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	690	1	302000 381500
	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	A13NE (N)	0	1	301483 382059
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301483 382059
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301483 382059
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301483 382059
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301483 382059
	Potential for Running Sand Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	74	1	301426 382193
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301483 382059
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301483 382059
	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	A13NE (N)	0	1	301483 382059

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Contemporary Trade Directory Entries Name: Denbighshire Cleaning Services Location: 13, Beechwood Road, Rhyl, Clwyd, LL18 3EU Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	28	-	301415 381994
57	Contemporary Trade Directory Entries Name: Caravan Ownership In Spain Location: 6, Marine Drive, Rhyl, Clwyd, LL18 3AT Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	58	-	301564 382168
58	Contemporary Trade Directory Entries Name: A H Carpet & Upholstery Cleaning Location: 15, Islwyn Avenue, Rhyl, LL18 3NU Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	117	-	301617 381929
59	Contemporary Trade Directory Entries Name: M B Cleaning Services Location: 3, Queens Walk, Rhyl, Clwyd, LL18 3NF Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	178	-	301359 381831
60	Contemporary Trade Directory Entries Name: S & L Cleaning Services Location: 21, Rhyl Coast Road, Rhyl, Clwyd, LL18 3PG Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	256	-	301827 382037
61	Contemporary Trade Directory Entries Name: D Hatswell Location: 24, Marine Drive, Rhyl, Clwyd, LL18 3AY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	299	-	301779 382278
62	Contemporary Trade Directory Entries Name: C H A S Location: 36, Tynnewydd Road, Rhyl, Clwyd, LL18 3SP Classification: Central Heating Supplies & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	516	-	302086 382072
63	Contemporary Trade Directory Entries Name: A B Cleaning Location: 10, Clifton Park Road, RHYL, Clwyd, LL18 4AN Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	571	-	301580 381409
64	Contemporary Trade Directory Entries Name: Total Location: Rhyl Coast Road, Rhyl, Clwyd, LL18 3PP Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	571	-	302133 382148
65	Contemporary Trade Directory Entries Name: A Marsden Location: 6, Mount Road, Rhyl, Clwyd, LL18 4RN Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	629	-	301457 381340
66	Contemporary Trade Directory Entries Name: Civilian & Military Engineering Location: Grange Rd, Rhyl, Clwyd, LL18 4BY Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (SE)	712	-	301800 381338
66	Contemporary Trade Directory Entries Name: R E Roberts & Son Location: 82, Grange Road, Rhyl, Clwyd, LL18 4BY Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	720	-	301837 381349

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	Contemporary Trade Directory Entries Name: R J R Contractors (North Wales) Ltd Location: Grange Road, Rhyl, Clwyd, LL18 4BY Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	736	-	301726 381279
67	Contemporary Trade Directory Entries Name: Autocare Location: The Grange Estate, Grange Rd, Rhyl, Clwyd, LL18 4BY Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	736	-	301725 381279
68	Contemporary Trade Directory Entries Name: Brighthouse Location: Unit 17, White Rose Centre, High Street, Rhyl, LL18 1EW Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	300858 381549
68	Contemporary Trade Directory Entries Name: Max Spielmann Location: Unit 20, White Rose Centre, High Street, Rhyl, Clwyd, LL18 1EW Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	745	-	300831 381575
69	Contemporary Trade Directory Entries Name: C M C Services Location: 14 Office 3 Brighton Road, Rhyl, Clwyd, LL18 3HD Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	750	-	301019 381371
69	Contemporary Trade Directory Entries Name: First Discreet Pest Control Location: 14, Brighton Road, Rhyl, Clwyd, LL18 3HD Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	751	-	301019 381371
69	Contemporary Trade Directory Entries Name: Britannia Cleaning Services Location: 14, Brighton Road, Rhyl, Clwyd, LL18 3HD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	751	-	301019 381371
69	Contemporary Trade Directory Entries Name: Marval Location: 14, Brighton Road, Rhyl, Clwyd, LL18 3HD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	751	-	301019 381371
70	Contemporary Trade Directory Entries Name: Top Buttons Location: 17-21, High Street, Rhyl, LL18 1EN Classification: Tungsten Tool Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	790	-	300776 381574
70	Contemporary Trade Directory Entries Name: Costal Mobility Scooters Ltd Location: Unit 3, Piazza Shopping Centre, Sussex Street, Rhyl, Clwyd, LL18 1SE Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	823	-	300761 381540
71	Contemporary Trade Directory Entries Name: Supasnap Location: 85, High Street, Rhyl, Clwyd, LL18 1TR Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	794	-	300884 381431
72	Contemporary Trade Directory Entries Name: Mixamate Concrete Location: 7, Park Drive, Rhyl, Clwyd, LL18 4DB Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	794	-	301973 381351

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	Contemporary Trade Directory Entries Name: Mixamate Holdings Location: 7, Park Drive, Rhyl, Clwyd, LL18 4DB Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	794	-	301973 381351
73	Contemporary Trade Directory Entries Name: Derwen Auto Sales Location: Unit B, Rear of , 51, Vale Road, Rhyl, Clwyd, LL18 2BT Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SW (S)	806	-	301352 381172
74	Contemporary Trade Directory Entries Name: Dayclox Tideclox Location: 155, High Street, Rhyl, LL18 1UF Classification: Clocks & Watches - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	812	-	301020 381295
74	Contemporary Trade Directory Entries Name: Dayclox Ltd Location: 145 High Street, Rhyl, Clwyd, LL18 1UF Classification: Clocks & Watches - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	818	-	300983 381314
75	Contemporary Trade Directory Entries Name: Star Price Location: 76, High Street, Rhyl, Clwyd, LL18 1UB Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	830	-	300884 381379
76	Contemporary Trade Directory Entries Name: Airflow Compressors & Pneumatics Location: Eaton Av, Rhyl, Clwyd, LL18 3UE Classification: Air Compressors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	833	-	302346 382348
77	Contemporary Trade Directory Entries Name: Johnson Cleaners (Uk) Ltd Location: 1a, Wellington Road, Rhyl, Clwyd, LL18 1AY Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	835	-	300854 381404
77	Contemporary Trade Directory Entries Name: Classic Colour Centres Ltd Location: 17, Wellington Road, Rhyl, Clwyd, LL18 1AY Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	883	-	300818 381372
78	Contemporary Trade Directory Entries Name: Rhyl Vodafone Centre Location: 2, Market Street, Rhyl, Clwyd, LL18 1RL Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	847	-	300817 381426
79	Contemporary Trade Directory Entries Name: Vale Steel Work Location: Unit 2, Rear of 49-51, Vale Road, Rhyl, Clwyd, LL18 2BT Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Manually positioned to an adjacent address or location	A8SW (S)	876	-	301320 381107
79	Contemporary Trade Directory Entries Name: Rhyl Autopaint Location: 49, Vale Road, Rhyl, Clwyd, LL18 2BT Classification: Paint Spraying Equipment & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	903	-	301300 381083
79	Contemporary Trade Directory Entries Name: Crescent Press Location: Unit A, Rear of 51, Vale Road, Rhyl, LL18 2BT Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	905	-	301304 381080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Contemporary Trade Directory Entries Name: G S Engineering Location: 51, Vale Road, Rhyl, Clwyd, LL18 2BT Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	905	-	301305 381080
79	Contemporary Trade Directory Entries Name: Value Autos Ltd Location: 51a, Vale Road, Rhyl, LL18 2BT Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	905	-	301305 381080
80	Contemporary Trade Directory Entries Name: Quality Building Plastics Location: 26, Vale Road, Rhyl, Clwyd, LL18 2BU Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	904	-	301151 381124
80	Contemporary Trade Directory Entries Name: Johnson Cleaners (Uk) Ltd Location: 2, Marsh Road, Rhyl, Clwyd, LL18 2DH Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	915	-	301095 381135
80	Contemporary Trade Directory Entries Name: Stationery Printers & Suppliers Location: Empire Building, 10a, Vezey Street, Rhyl, Clwyd, LL18 2DL Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	925	-	301136 381108
81	Contemporary Trade Directory Entries Name: Thebodyshop Location: Unit 15, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	915	-	301646 381071
81	Contemporary Trade Directory Entries Name: Espley Car Body Repairs Location: Unit 15, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	915	-	301646 381071
81	Contemporary Trade Directory Entries Name: A & C Accident Repairs Location: Suite 15a, Westfield House, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	915	-	301646 381071
81	Contemporary Trade Directory Entries Name: Rhyl Blinds Location: Unit 16, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	932	-	301623 381050
82	Contemporary Trade Directory Entries Name: John Buckley Location: Unit 1, Glan Aber Trading Est, Vale Rd, Rhyl, Clwyd, LL18 2PL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	918	-	301714 381084
82	Contemporary Trade Directory Entries Name: Cannon Hygiene Ltd Location: Unit 11/12, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Hygiene & Cleansing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	948	-	301692 381048

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	Contemporary Trade Directory Entries Name: Thorpe Design & Technologies Ltd Location: Unit 11, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	948	-	301692 381048
82	Contemporary Trade Directory Entries Name: Mpl Location: Unit 11-12, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	948	-	301692 381048
82	Contemporary Trade Directory Entries Name: Boiler Spares (Nw) Ltd Location: Unit 12a, Glan Aber Trading Est, Vale Rd, Rhyl, Clwyd, LL18 2PL Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A3NE (S)	954	-	301687 381040
83	Contemporary Trade Directory Entries Name: Rhyl Electric Centre Location: 56, Vale Road, RHYL, Clwyd, LL18 2BY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	926	-	301235 381074
84	Contemporary Trade Directory Entries Name: C & C Curtains Location: 29, Bodfor Street, Rhyl, Clwyd, LL18 1AT Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	944	-	300863 381247
84	Contemporary Trade Directory Entries Name: I T G Group Location: 28, Kinmel Street, Rhyl, Clwyd, LL18 1AN Classification: Cash Registers & Check-Out Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	960	-	300854 381234
85	Contemporary Trade Directory Entries Name: Melbourne Garage Location: Glan Aber Trading Est, Vale Rd, Rhyl, Clwyd, LL18 2PL Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	970	-	301641 381014
85	Contemporary Trade Directory Entries Name: Darnbridge Location: Unit 3b, Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	1000	-	301607 380979
86	Contemporary Trade Directory Entries Name: Pressed For Time Location: 95, Vale Road, Rhyl, Clwyd, LL18 2PG Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A3NE (S)	984	-	301524 380987
86	Contemporary Trade Directory Entries Name: North Wales Doors Ltd Location: 133-135 Vale Road, Rhyl, Clwyd, LL18 2PG Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	997	-	301551 380976
87	Contemporary Trade Directory Entries Name: Regency ""One Hour"" Photo Shop Location: 29-31, Water Street, Rhyl, Clwyd, LL18 1SR Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	985	-	300636 381435
88	Contemporary Trade Directory Entries Name: Central Dairies Location: Sisson St, Rhyl, Clwyd, LL18 2DE Classification: Dairies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A3NW (S)	985	-	301181 381028

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Contemporary Trade Directory Entries Name: Nathans Garden Ornaments Ltd Location: 29, Vezey Street, Rhyl, Clwyd, LL18 2DL Classification: Garden Ornament Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A2NE (S)	990	-	301118 381045
90	Contemporary Trade Directory Entries Name: Coastal Mobility Scooters Location: 24, Wellington Road, Rhyl, Clwyd, LL18 1BN Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	993	-	300703 381333
91	Contemporary Trade Directory Entries Name: Recycling Wales Ltd Location: 19, Morfa Bach, Rhyl, Clwyd, LL18 2EW Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A3NW (S)	994	-	301274 380996
91	Contemporary Trade Directory Entries Name: Central Dairies Location: Morfa Bach, Rhyl, Clwyd, LL18 2EW Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	995	-	301231 381003
92	Contemporary Trade Directory Entries Name: Chris Hillary Property Services Location: 31, Cheltenham Avenue, Rhyl, Clwyd, LL18 4DN Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	1000	-	302280 381335
93	Fuel Station Entries Name: Esplanade Garage Location: Rhyl Coast Road , , Rhyl, Denbighshire, LL18 3PP Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A14NW (E)	571	-	302133 382148
94	Fuel Station Entries Name: Morrisons Rhyl Location: Marsh Road , , Rhyl, Denbighshire, LL18 2DF Brand: Morrisons Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	891	-	301047 381186
95	Points of Interest - Commercial Services Name: Dog Warden Location: Russell House, Churton Road, Rhyl, LL18 3DP Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13SW (SW)	277	7	301255 381791
96	Points of Interest - Commercial Services Name: D Hatswell Location: 24 Marine Drive, Rhyl, LL18 3AY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	299	7	301779 382278
97	Points of Interest - Commercial Services Name: Coastal Towbar Services Location: 81 Rhyl Coast Road, Rhyl, LL18 3PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	569	7	302137 382104
97	Points of Interest - Commercial Services Name: Coastal Towbar Services Ltd Location: 81 Rhyl Coast Road, Rhyl, LL18 3PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	569	7	302137 382104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Points of Interest - Commercial Services Name: Coastal Tow Bar Services Location: 81 Rhyl Coast Road, Rhyl, LL18 3PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	569	7	302137 382104
98	Points of Interest - Commercial Services Name: Paint-tec Location: 22 East Parade, Rhyl, LL18 3AL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	583	7	300911 381743
99	Points of Interest - Commercial Services Name: Autocare Location: The Grange, Grange Road, Rhyl, LL18 4BY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	701	7	301737 381320
99	Points of Interest - Commercial Services Name: Autocare Location: The Grange Estate, Grange Rd, Rhyl, Clwyd, LL18 4BY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	736	7	301725 381279
100	Points of Interest - Commercial Services Name: Car Wash Location: Marsh Road, Rhyl, Clwyd, LL18 2TR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (SW)	891	7	301047 381186
100	Points of Interest - Commercial Services Name: Morrisons Rhyl Location: Marsh Road, Rhyl, LL18 2TR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (SW)	929	7	301045 381144
101	Points of Interest - Commercial Services Name: Thebodyshop Location: Unit 15 Glan Aber Trading Estate, Vale Road, Rhyl, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	915	7	301646 381071
101	Points of Interest - Commercial Services Name: Espley Car Body Repairs Location: Unit 15 Glan Aber Trading Estate, Vale Road, Rhyl, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	915	7	301646 381071
101	Points of Interest - Commercial Services Name: Espley Car Body Repairs Location: Unit 15 Glan Aber Trading Estate, Vale Road, Rhyl, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	915	7	301646 381071
101	Points of Interest - Commercial Services Name: Glan Aber Auto Repairs Location: Unit 6 Glan Aber Trading Estate, Vale Road, Rhyl, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NE (S)	969	7	301675 381022
101	Points of Interest - Commercial Services Name: Melbourne Garage Location: Unit 1 Glan Aber Trading Estate, Vale Road, Rhyl, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NE (S)	975	7	301620 381005
101	Points of Interest - Commercial Services Name: John Buckley Location: Unit 1 Glan Aberworks Industrial Estate, Vale Road, Rhyl, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NE (S)	976	7	301618 381005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Points of Interest - Commercial Services Name: Cambrian Auto Parts North West Ltd Location: 1 Glan Aber Trading Estate, Vale Road, Rhyl, Clwyd, LL18 2PL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A3NE (S)	978	7	301619 381003
102	Points of Interest - Commercial Services Name: Recycling Wales Ltd Location: 19 Morfa Bach, Rhyl, LL18 2EW Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A3NW (S)	994	7	301274 380995
103	Points of Interest - Education and Health Name: Glan Traeth Day Hospital Location: Royal Alexandra Hospital, Marine Drive, Rhyl, LL18 3AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (W)	0	7	301431 382068
103	Points of Interest - Education and Health Name: Royal Alexandra Hospital Location: Royal Alexandra Hospital, Marine Drive, Rhyl, LL18 3AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (N)	0	7	301481 382102
103	Points of Interest - Education and Health Name: Royal Alexandra Hospital Location: Royal Alexandra Hospital, Marine Drive, Rhyl, LL18 3AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NE (N)	0	7	301481 382102
103	Points of Interest - Education and Health Name: Glantraeth Day Hospital Location: Royal Alexandra Hospital, Marine Drive, Rhyl, LL18 3AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NE (N)	0	7	301481 382102
103	Points of Interest - Education and Health Name: Royal Alexandra Hospital Location: Royal Alexandra Hospital, Marine Drive, Rhyl, LL18 3AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NE (N)	0	7	301481 382102
104	Points of Interest - Education and Health Name: Hafod Mental Health Resource Centre Location: Beechwood Road, Rhyl, LL18 3EU Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (SW)	20	7	301438 381972
105	Points of Interest - Manufacturing and Production Name: Glan Aber Works Location: LL18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	875	7	301687 381121
106	Points of Interest - Manufacturing and Production Name: Tank Location: LL18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (S)	896	7	301843 381154
107	Points of Interest - Manufacturing and Production Name: Works Location: LL18 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	931	7	302482 382238
107	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	935	7	302486 382239

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Points of Interest - Public Infrastructure Name: North Wales Fire & Rescue Location: Rhyl Coast Road, Rhyl, LL18 3PL Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NE (E)	192	7	301760 382078
108	Points of Interest - Public Infrastructure Name: Rhyl Fire Station Location: Rhyl Coast Road, Rhyl, LL18 3PL Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NE (E)	192	7	301760 382077
108	Points of Interest - Public Infrastructure Name: North Wales Fire & Rescue Service Location: Fire Service Headquarters, Rhyl Coast Road, Rhyl, LL18 3PL Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NE (E)	192	7	301760 382078
109	Points of Interest - Public Infrastructure Name: Total UK Ltd Location: Rhyl Coast Road, Rhyl, LL18 3PP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	295	7	301866 382067
110	Points of Interest - Public Infrastructure Name: Garden of Remembrance Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	420	7	301017 381887
111	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: LL18 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	531	7	302089 381923
112	Points of Interest - Public Infrastructure Name: Total UK Ltd Location: Rhyl Coast Road, Rhyl, LL18 3PP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	560	7	302119 382160
112	Points of Interest - Public Infrastructure Name: Total Location: Rhyl Coast Road, Rhyl, LL18 3PP Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	571	7	302133 382148
113	Points of Interest - Public Infrastructure Name: Bus Station Location: LL18 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A7SE (SW)	889	7	300940 381257
114	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Marsh Road, Rhyl, LL18 2DF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SE (SW)	891	7	301047 381186
114	Points of Interest - Public Infrastructure Name: Morrisons Rhyl Location: Marsh Road, Rhyl, LL18 2TR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SE (SW)	891	7	301047 381186
115	Points of Interest - Public Infrastructure Name: Rhyl Police Station Location: Police Station, Wellington Road, Rhyl, LL18 1BA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A7SW (SW)	936	7	300782 381331

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	Points of Interest - Public Infrastructure Name: Rhyl Police Station Location: Police Station, Wellington Road, Rhyl, LL18 1BA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A7SW (SW)	936	7	300782 381331
115	Points of Interest - Public Infrastructure Name: Rhyl Police Station - Public Counter Services Location: Police Station, Wellington Road, Rhyl, LL18 1BA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A7SW (SW)	937	7	300782 381331
116	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	531	7	301351 381452
116	Points of Interest - Recreational and Environmental Name: Playground Location: Grange Road, LL18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	533	7	301344 381452
117	Points of Interest - Recreational and Environmental Name: Play Area Location: LL18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	770	7	301430 381201
118	Points of Interest - Recreational and Environmental Name: Playground Location: Pendyffryn Road, LL18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9SW (SE)	964	7	301955 381135
118	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	971	7	301957 381129
119	Points of Interest - Recreational and Environmental Name: Play Area Location: LL18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	984	7	302552 381953

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Nitrate Vulnerable Zones Name: Not Supplied Description: Groundwater Source: Natural Resources Wales	A13NE (N)	0	2	301483 382059
121	Special Protection Areas Name: Liverpool Bay / Bae Lerpwl (Wales) Multiple Areas: N Total Area (m2): 786840845.92 Source: Natural Resources Wales Reference: UK9020294 Designation Date: 31st October 2017	A18SW (NW)	570	2	301165 382608
122	Special Protection Areas Name: Liverpool Bay Multiple Areas: N Total Area (m2): 2527577323 Source: Natural England Reference: UK9020294 Designation Date: Not Supplied	A18SW (NW)	570	9	301165 382608

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Flintshire Council - Environmental Health Department Conwy County Borough Council - Environmental Health Department Denbighshire County Council - Public Protection Department	April 2014 August 2013 January 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 November 2019	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Variable
Integrated Pollution Prevention And Control Natural Resources Wales Environment Agency - Welsh Region	November 2019 October 2019	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Flintshire Council - Environmental Health Department Conwy County Borough Council - Environmental Health Department Denbighshire County Council - Environmental Health Department	April 2016 January 2015 March 2013	Variable Variable Variable
Local Authority Pollution Prevention and Controls Flintshire Council - Environmental Health Department Denbighshire County Council - Environmental Health Department Conwy County Borough Council - Environmental Health Department	April 2016 December 2014 January 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Flintshire Council - Environmental Health Department Denbighshire County Council - Environmental Health Department Conwy County Borough Council - Environmental Health Department	April 2016 December 2014 January 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
Substantiated Pollution Incident Register Environment Agency Wales - North Area Natural Resources Wales	October 2019 October 2019	Quarterly Quarterly
Water Abstractions Natural Resources Wales Environment Agency - Welsh Region	November 2019 October 2019	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	November 2019 October 2017	Quarterly Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	November 2016	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	November 2019	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - North Area Natural Resources Wales	November 2019 November 2019	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - North Area	November 2019 October 2019	Quarterly Quarterly
Local Authority Landfill Coverage Conwy County Borough Council - Environmental Health Department Denbighshire County Council - Environmental Health Department Flintshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Conwy County Borough Council - Environmental Health Department Denbighshire County Council - Environmental Health Department Flintshire Council - Environmental Health Department	July 2003 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Conwy County Borough Council - Planning Department Denbighshire County Council - Planning Department Flintshire Council	February 2016 February 2016 January 2016	Variable Variable Variable
Planning Hazardous Substance Consents Conwy County Borough Council - Planning Department Denbighshire County Council - Planning Department Flintshire Council	February 2016 February 2016 January 2016	Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt Conwy County Borough Council Denbighshire County Council Flintshire Council	November 2019 November 2019 November 2019	As notified As notified As notified
Areas of Unadopted Green Belt Conwy County Borough Council Denbighshire County Council Flintshire Council	November 2019 November 2019 November 2019	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Conwy County Borough Council Denbighshire County Council Flintshire Council	August 2018 August 2018 August 2018	Bi-Annually Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2019	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2018	Bi-Annually
Special Protection Areas Natural England Natural Resources Wales	April 2019 August 2018	Bi-Annually Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Denbighshire County Council - Environmental Health Department Caledfryn, Smithfield, Denbigh, Denbighshire, LL16 3RJ	Telephone: 01824 706000 Fax: 01824 705026 Website: www.denbighshire.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Denbighshire County Council Council Offices, Wynnstay Road, Ruthin, Clwyd, LL15 1YN	Telephone: 01824 706000 Fax: 01824 705026 Website: www.denbighshire.gov.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Flintshire

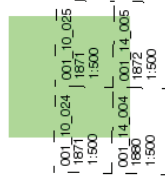
Published 1871 - 1880

Source map scale - 1:500

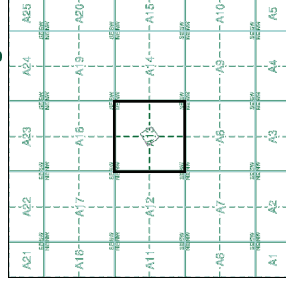
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale. It was the first of the 1:500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4,000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 0

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital
Maine Drive, RHYL, LL18 3AS



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

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information	Large-Scale National Grid Data 1:2,500 and 1:1,250
--	--

	Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
	Rock		Boulders
	Slopes		Top
	Cliff		Roofed Building
	Glazed Roof Building		Archway
	Non-Coniferous Tree (surveyed)		Confirous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Orchard Tree
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Bench Mark
	Cave Entrance		Triangulation Station
	Electricity Transmission Line		Electricity Pylon
	County Boundary (Geographical)		County & Civil Parish Boundary
	Civil Parish Boundary		Admin. County or County Bor. Boundary
	London Borough Boundary		Symbol marking point where boundary merging changes
	Beer House		Pillar, Pole or Post
	Boundary Post or Stone		Public Convenience
	Capstan, Crane		Public House
	Chimney		Pump
	Drinking Fountain		Signal Box or Bridge
	Electricity Pillar or Post		Signal Post or Light
	Fire Alarm Pillar		Spring
	Foot Bridge		Tank or Trough
	Guide Post		Telephone Call Box
	Hydrant or Hydraulic Level Crossing		Telephone Call Post
	Marhole		Trough
	Mile Post or Mooring Post		W.P., W.T. Water Point, Water Tap
	Mile Stone		Well
	Normal Tidal Limit		Wind Pump
	NTL		

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information	Large-Scale National Grid Data 1:2,500 and 1:1,250
--	--

Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit	

Mapping Type	Scale	Date	Page
Flintshire	1:2,500	1871	2
Denbighshire	1:2,500	1877	3
Flintshire	1:2,500	1889	4
Denbighshire	1:2,500	1889	5
Denbighshire	1:2,500	1912	6
Flintshire	1:2,500	1912	7
Ordnance Survey Plan	1:1,250	1959 - 1960	8
Ordnance Survey Plan	1:2,500	1961	9
Ordnance Survey Plan	1:1,250	1970 - 1973	10
Additional SIMs	1:1,250	1977 - 1990	11
Ordnance Survey Plan	1:1,250	1982	12
Additional SIMs	1:1,250	1990 - 1992	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1996	15
Historical Aerial Photograph	1:2,500	2003	16

Order Details

Order Number:	232272312_1_1
Customer Ref:	B074057
National Grid Reference:	301480, 382060
Slice:	A
Site Area (Ha):	1.73
Search Buffer (m):	100

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Flintshire

Published 1871

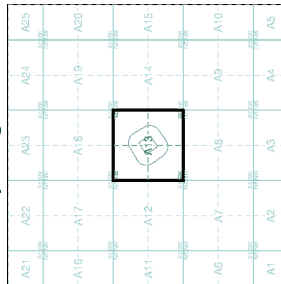
Source map scale - 1:2,500

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 1866 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)

001 10	12 500
001 14	12 500

Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 100

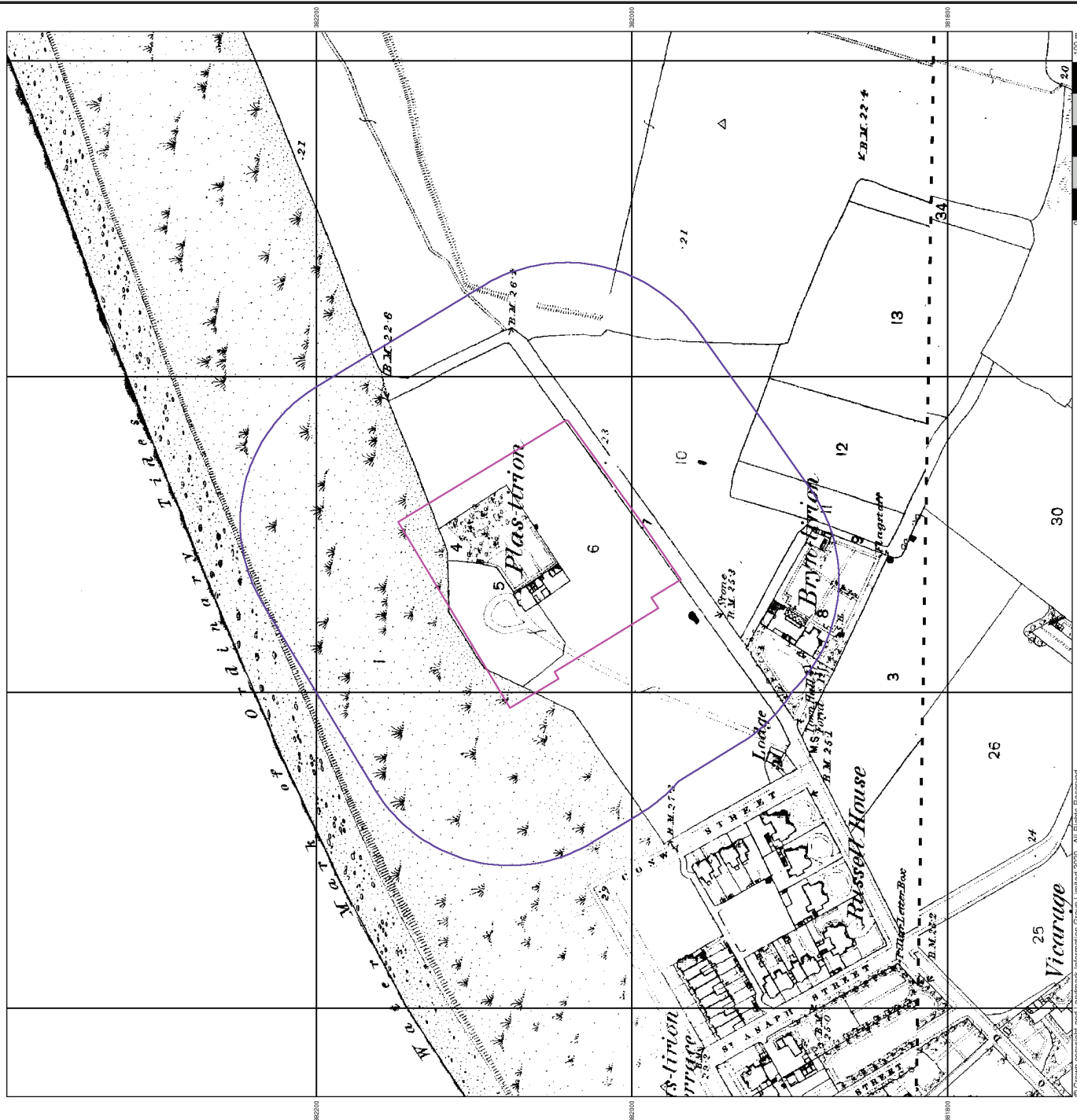
Site Details

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A Landmark Information Group Service v50.0 28-Jan-2020 Page 2 of 16





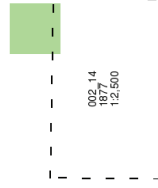
Denbighshire

Published 1877

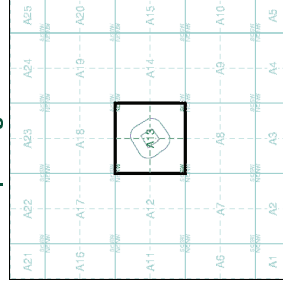
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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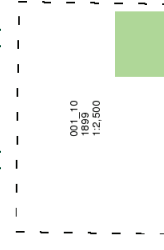
Flintshire

Published 1899

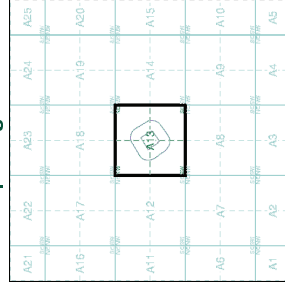
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 100

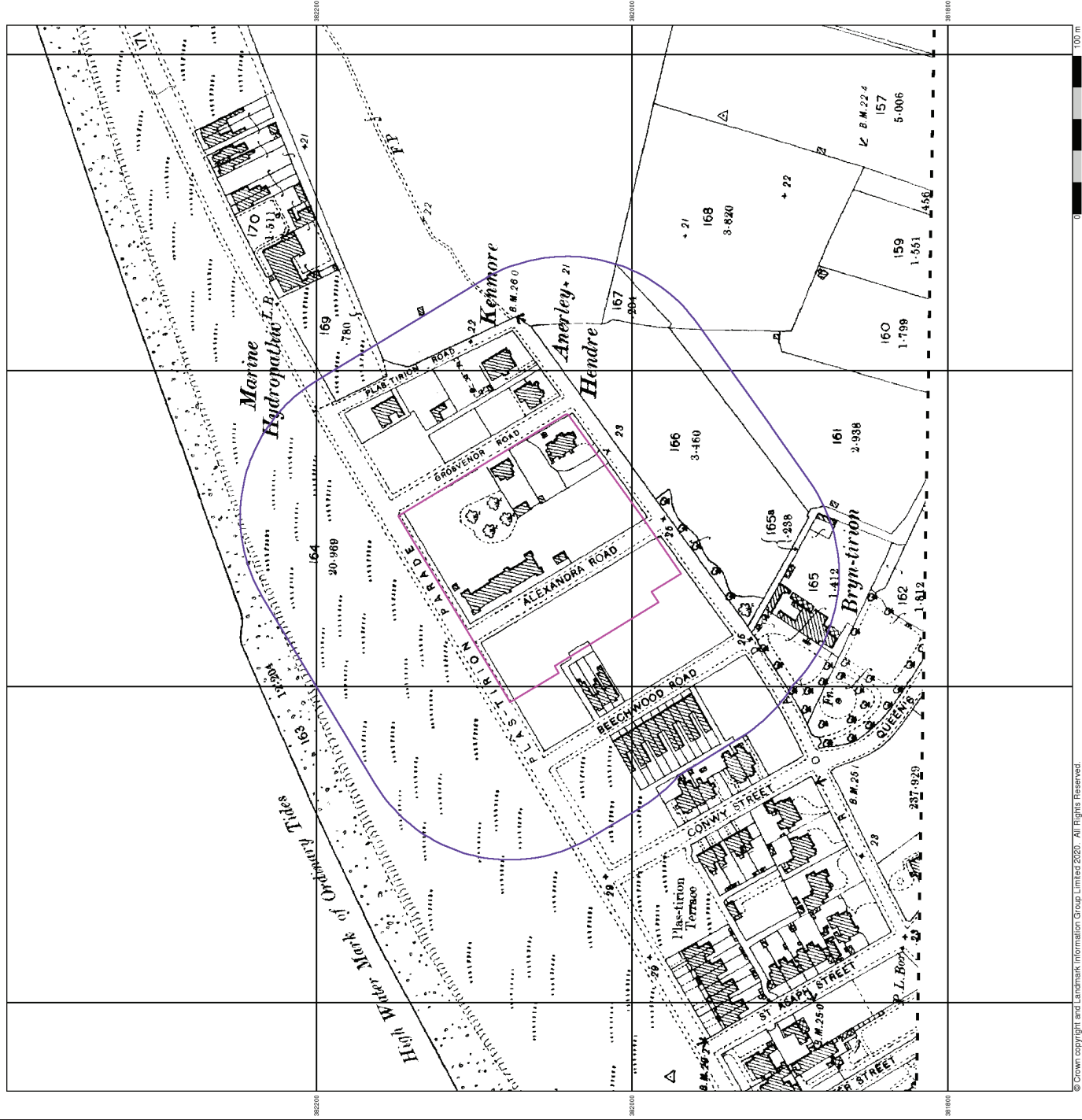
Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
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Web: www.envisi-check.co.uk

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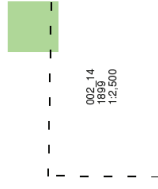
Denbighshire

Published 1899

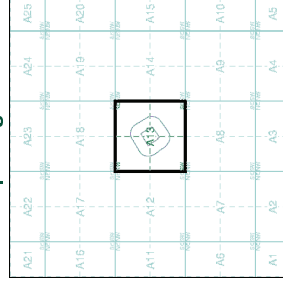
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



A Landmark Information Group Service +50.0 28-Jan-2020 Page 5 of 16



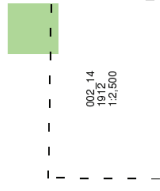
Denbighshire

Published 1912

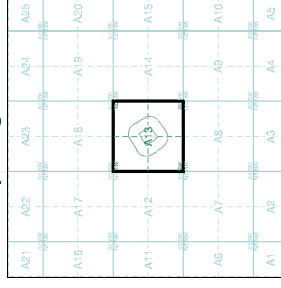
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
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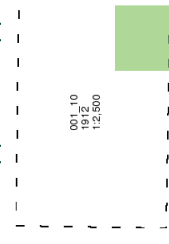
Flintshire

Published 1912

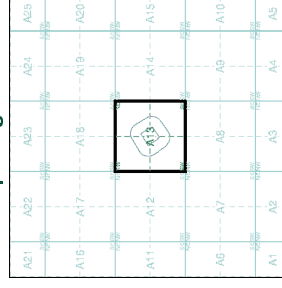
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

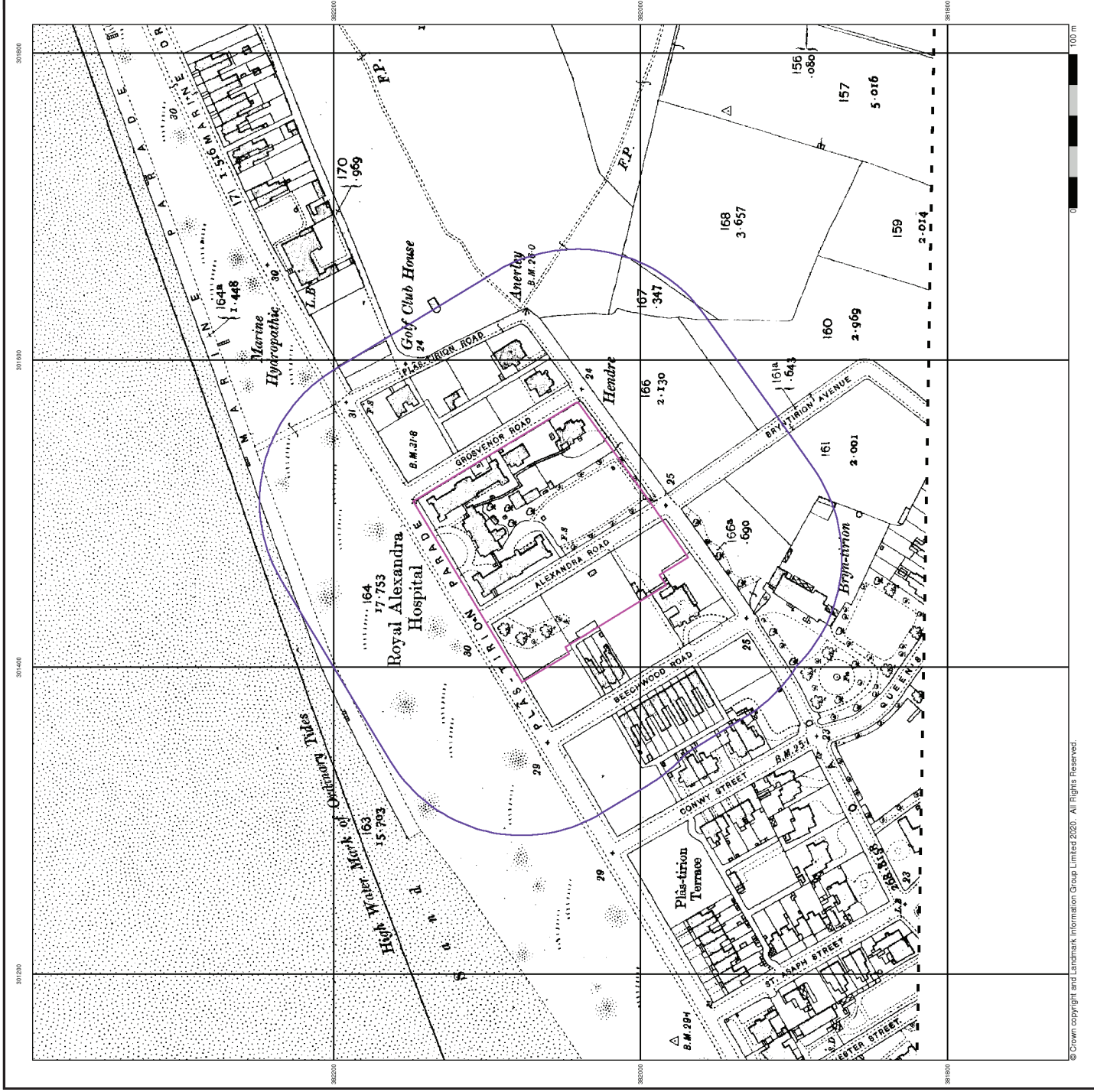
Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



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Ordnance Survey Plan

Published 1959 - 1960

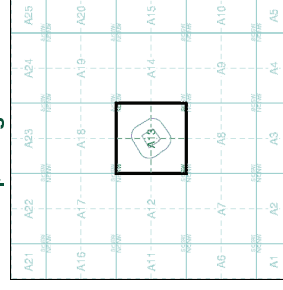
Source map scale - 1:1,250

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)

SJ0182SW	SJ0182SE
1959	1959
1:1,250	1:1,250
SJ0181NW	SJ0181NE
1959	1959
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

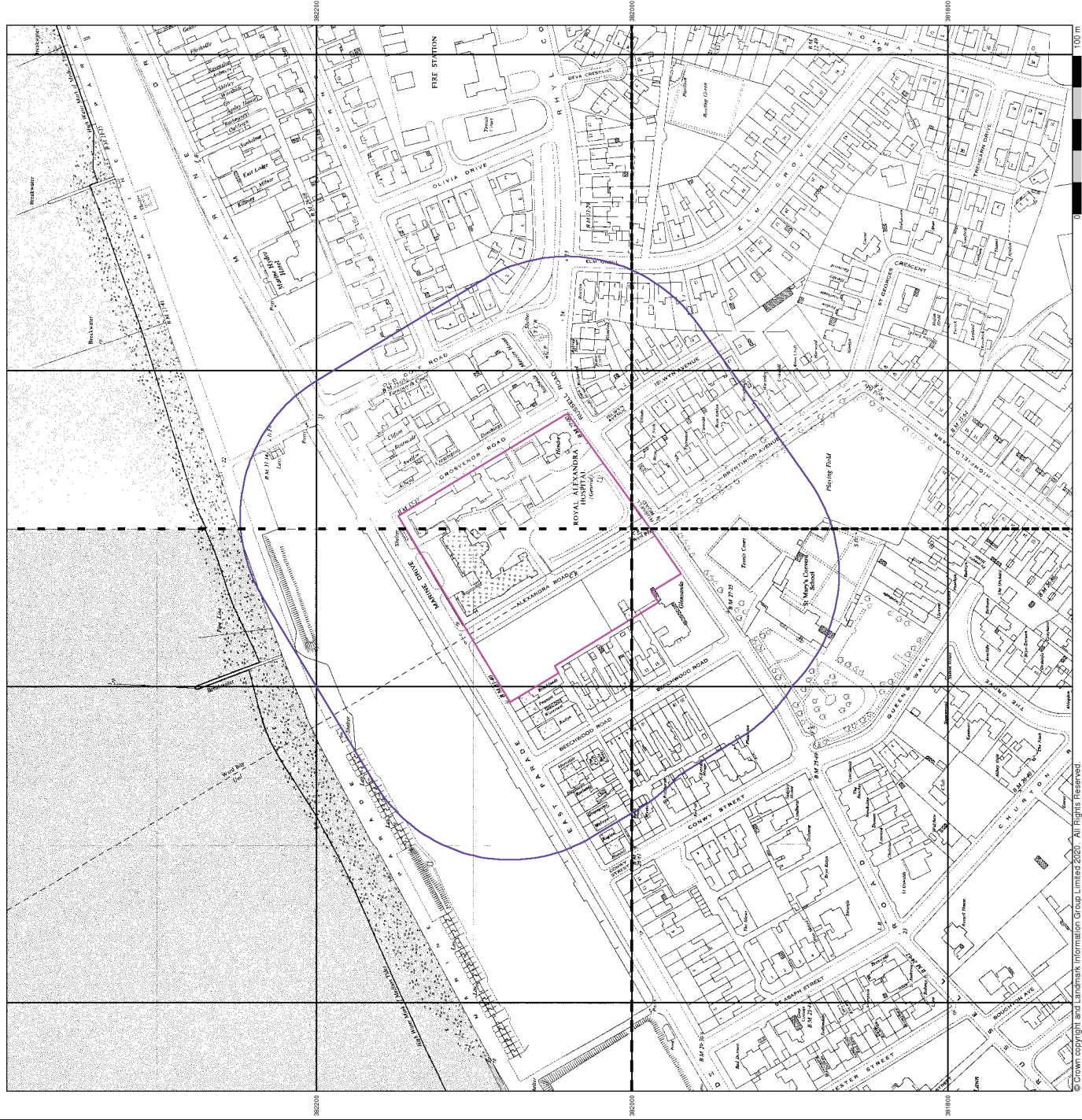
Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



A Landmark Information Group Service v50.0 28-Jan-2020 Page 8 of 16





Ordinance Survey Plan

Published 1961

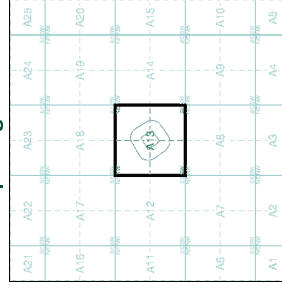
Source map scale - 1:2,500

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Map Name(s) and Date(s)

SU182	1961	1:2,500
SU181	1961	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital
Marine Drive, RHYL, LL18 3AS



A Landmark Information Group Service v50.0 28-Jan-2020 Page 9 of 16
Tel: 0844 844 8952
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Ordinance Survey Plan Published 1970 - 1973

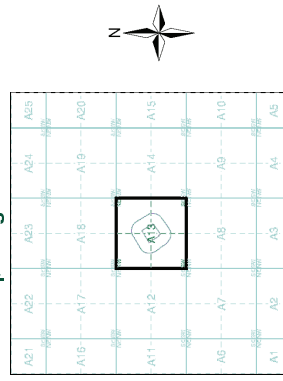
Source map scale - 1:1,250

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)

SJ0182SE	SJ0181NE
1973	1973
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



A Landmark Information Group Service v50.0 28-Jan-2020 Page 10 of 16
Tel: 0844 844 8852
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Additional SIMs

Published 1977 - 1990

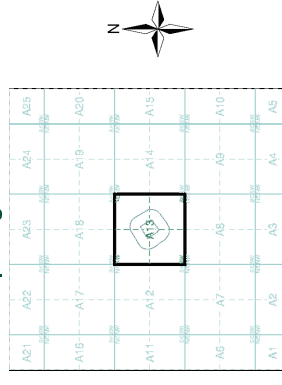
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, more 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)

S0182SW	S0182SE
1988	1990
1:1,250	1:1,250
S0181NW	S0181NE
1988	1990
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
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Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 100

Site Details

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Marine Drive, RHYL, LL18 3AS



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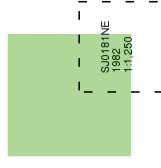
Ordnance Survey Plan

Published 1982

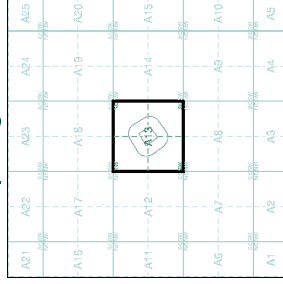
Source map scale - 1:1,250

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 1866 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 100

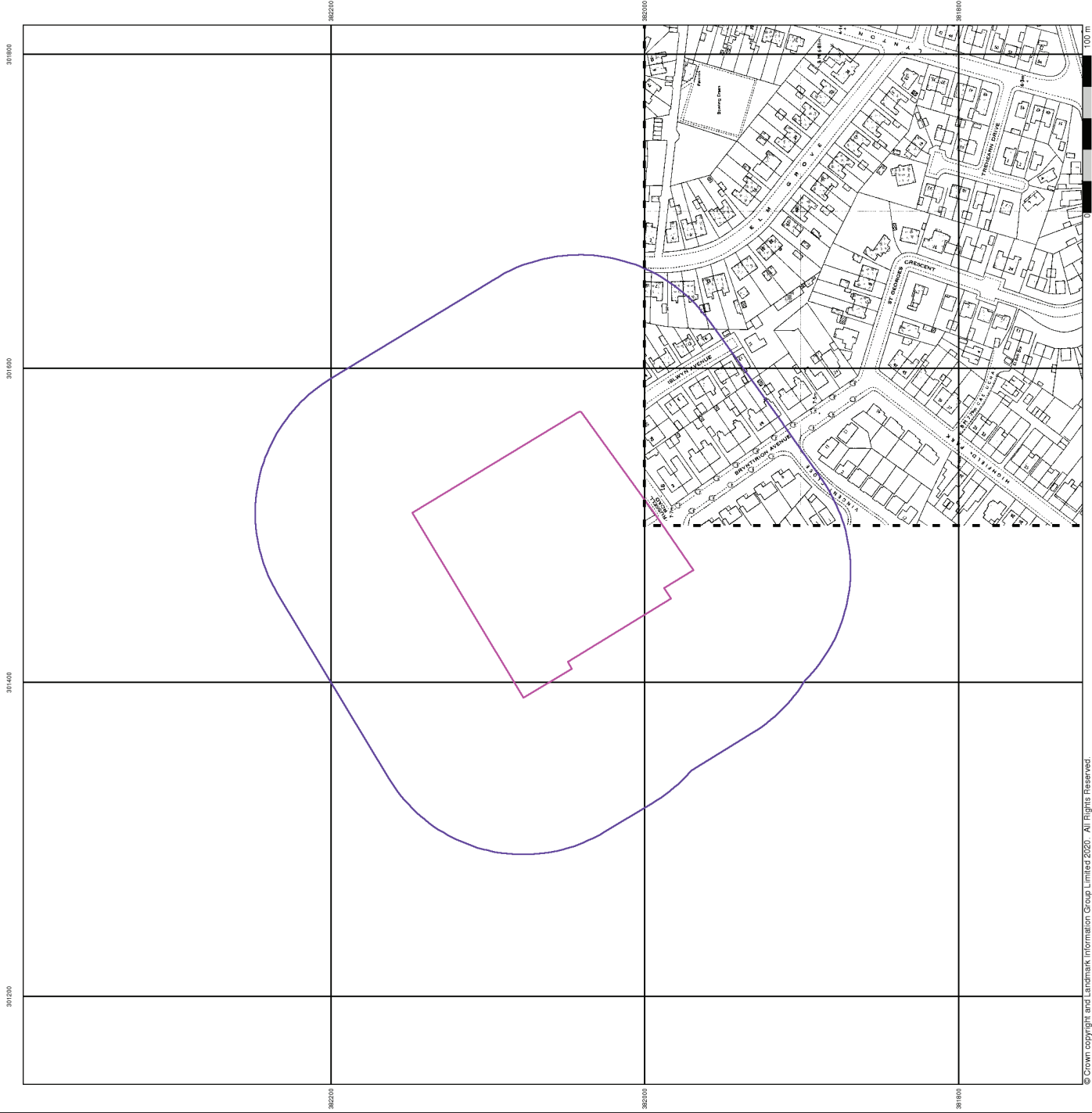
Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



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

A Landmark Information Group Service v50.0 28-Jan-2020 Page 12 of 16





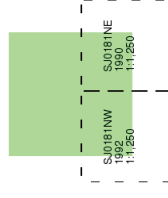
Additional SIMs

Published 1990 - 1992

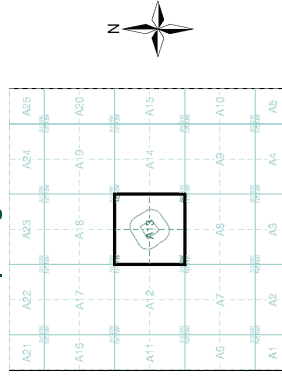
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
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Site Area (Ha): 1.73
Search Buffer (m): 100

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A Landmark Information Group Service v50.0 28-Jan-2020 Page 13 of 16



Large-Scale National Grid Data Published 1993

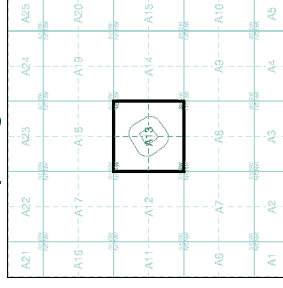
Source map scale - 1:1,250

Large Scale National Grid Data's 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)

SJ0182SW	SJ0182SE
1:1,250	1:1,250
SJ0181NW	SJ0181NE
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 100

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A Landmark Information Group Service v50.0 28-Jan-2020 Page 14 of 16



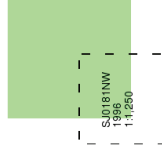


Large-Scale National Grid Data Published 1996

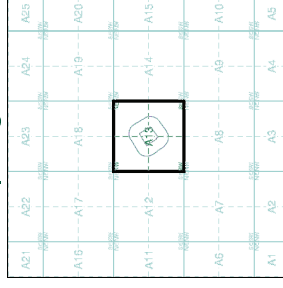
Source map scale - 1:1,250

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 A13



Order Details

Order Number: 232272312_1_1
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A Landmark Information Group Service v50.0 28-Jan-2020 Page 15 of 16

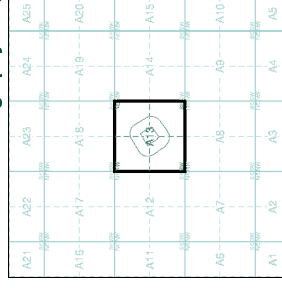


Historical Aerial Photography

Published 2003

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 232272312_1_1
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry	Gravel Pit	Disused Pit or Quarry	Lake, Loch or Pond	Boulders	Non-Coniferous Trees	Coppice	Rough Grassland	Saltings
Sand Pit								
Refuse or Slag Heap								
Dunes								
Coniferous Trees								
Orchard	Scrub	Heath	Reeds					
Bracken								
Marsh								
Building								
Glasshouse								
Sloping Masonry	Pylon	Electricity Transmission Line						
Cutting	Embankment	Standard Gauge Multiple Track	Standard Gauge Single Track	Siding, Tramway or Mineral Line	Narrow Gauge			
Road Under	Road Over	Level Crossing	Foot Bridge					
Geographical County	Administrative County, County Borough or County of City	Municipal Borough, Urban or Rural District, Borough or District Council	Borough, Borough or County Constituency	Civil Parish	Shown alternately when coincidence of boundaries occurs			
BP, BS	Boundary Post or Stone	Police Station	Post Office	Public Convenience	Public House	Signal Box	Telephone Call Box	Telephone Call Post
Ch	Church	PC	PH	SB	TCB	TCP	W	Well
FE Sta	Fire Engine Station	PH	SB	TCB	TCP	W		
FB	Foot Bridge	Public House	Signal Box	Telephone Call Box	Telephone Call Post	Well		
Fn	Fountain	Public House	Signal Box	Telephone Call Box	Telephone Call Post	Well		
GP	Guide Post	Public House	Signal Box	Telephone Call Box	Telephone Call Post	Well		
MP	Mail Post	Public House	Signal Box	Telephone Call Box	Telephone Call Post	Well		
MS	Mill Stone	Public House	Signal Box	Telephone Call Box	Telephone Call Post	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
Mean high water (springs)	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

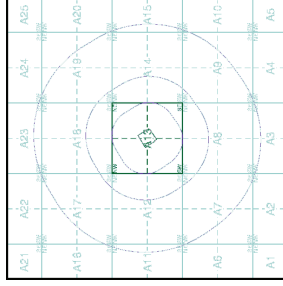
1:10,000 Raster Mapping

Mapping Type	Scale	Date	Pg
Flintshire	1:10,560	1878	2
Flintshire	1:10,560	1900	3
Denbighshire	1:10,560	1914	4
Flintshire	1:10,560	1914	5
Flintshire	1:10,560	1938	6
Denbighshire	1:10,560	1938	7
Flintshire	1:10,560	1953	8
Denbighshire	1:10,560	1953	9
Ordnance Survey Plan	1:10,000	1964	10
Ordnance Survey Plan	1:10,000	1968	11
Ordnance Survey Plan	1:10,000	1980	12
10K Raster Mapping	1:10,000	1991	13
10K Raster Mapping	1:10,000	2000	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2020	16

Historical Mapping & Photography included:



Historical Map - Slice A



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
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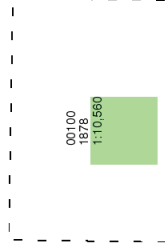
Flintshire

Published 1878

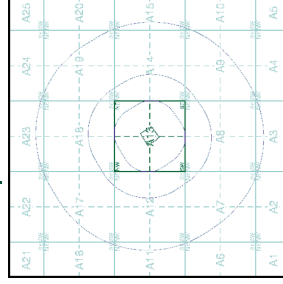
Source map scale - 1:10,560

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 here 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 were initially overlaid with the National Grid in 1970. The first 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: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
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Site Area (Ha): 1.73
Search Buffer (m): 1000

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Flintshire

Published 1900

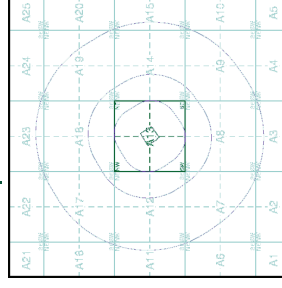
Source map scale - 1:10,560

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 here 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 were initially overlaid with the National Grid in 1970. The first 1:10,000 scale map was produced in 1983. Since then, the revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

001NE	1900	1:10,560
001SE	1900	1:10,560
001SW	1900	1:10,560

Historical Map - Slice A



Order Details

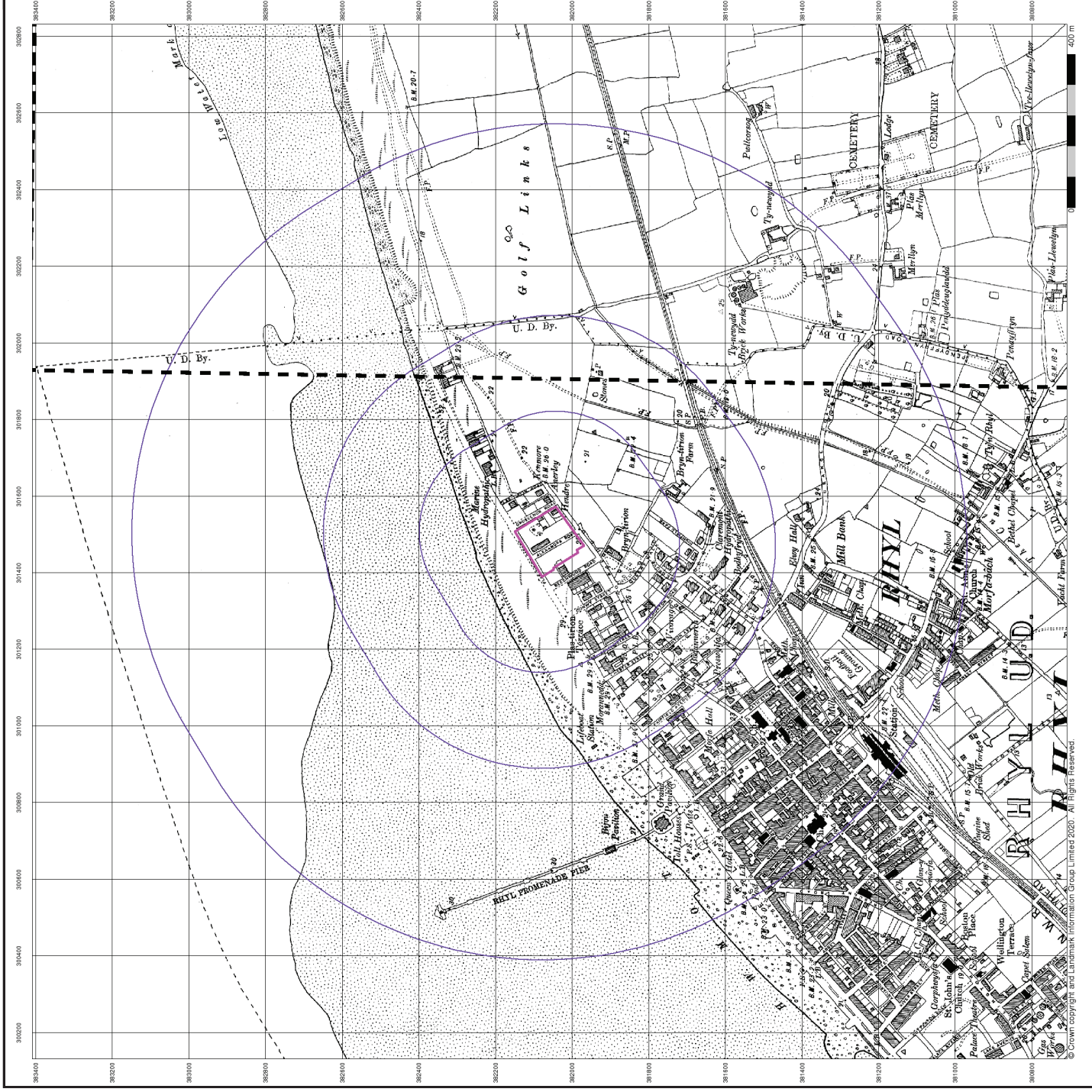
Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Maine Drive, RHYL, LL18 3AS



A Landmark Information Group Service v50.0 28-Jan-2020 Page 3 of 16
Tel: 0844 844 9952
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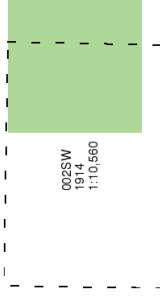
Denbighshire

Published 1914

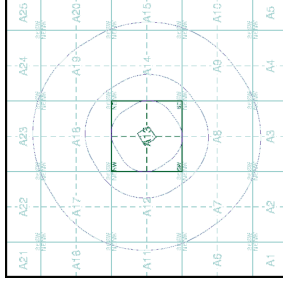
Source map scale - 1:10,560

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 here is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid in 1970. The first 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: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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Fax: 0844 844 9851
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Flintshire

Published 1914

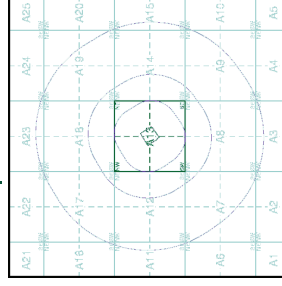
Source map scale - 1:10,560

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 hereafter is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys 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 were initially overlaid with the National Grid in 1970. The first 1:10,000 edition was published in 1993. The current edition is the first revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

001NE	1914	1:10,560
001SE	1914	1:10,560

Historical Map - Slice A



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

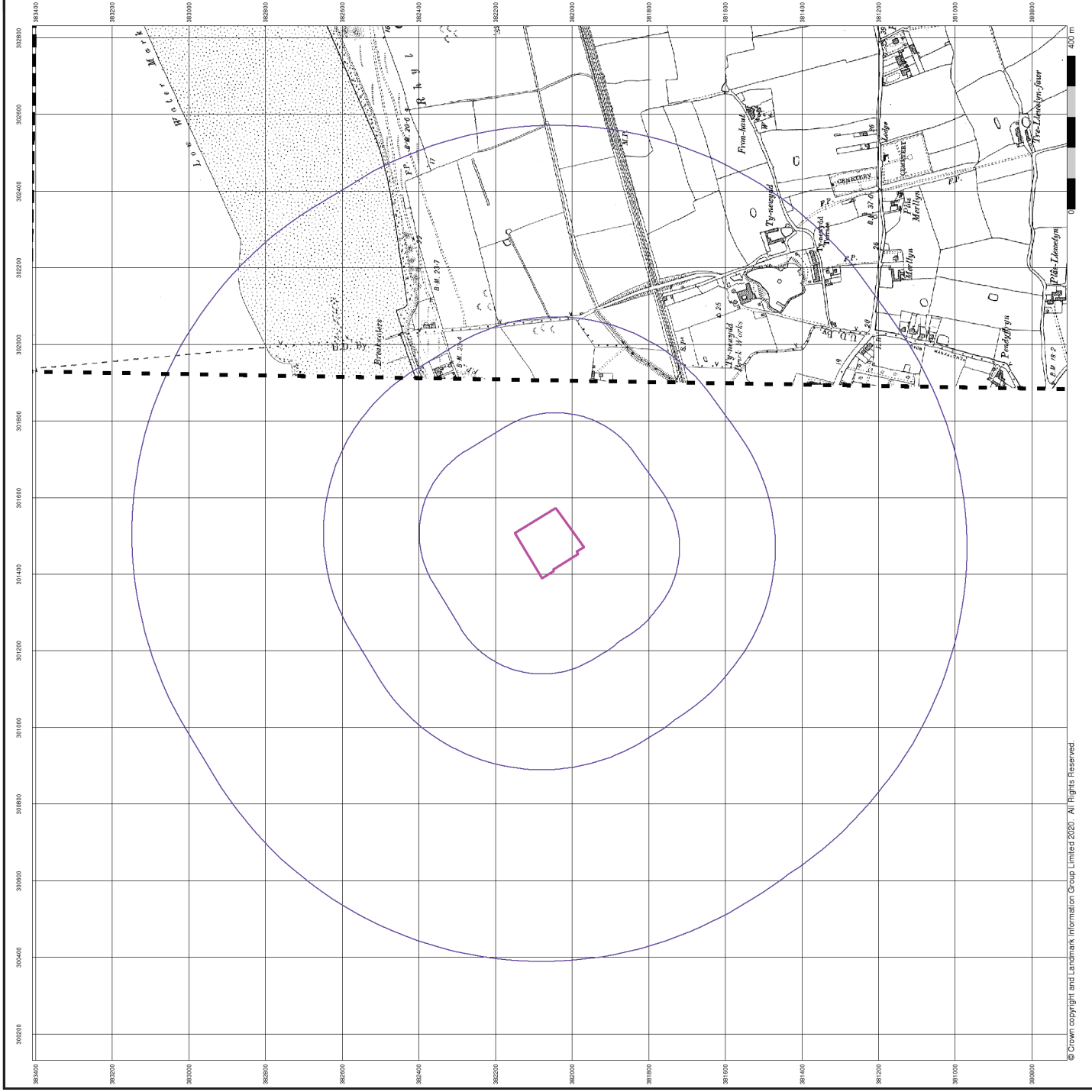
Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
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A Landmark Information Group Service v50.0 28-Jan-2020 Page 5 of 16





Flintshire

Published 1938

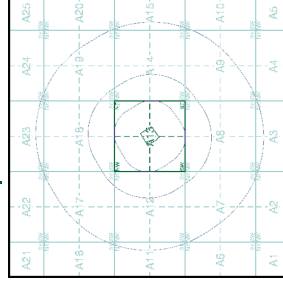
Source map scale - 1:10,560

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 hereafter 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 revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

001NE	1938	1:10,560
001SE	1938	1:10,560

Historical Map - Slice A



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



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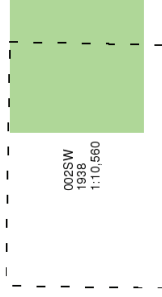
Denbighshire

Published 1938

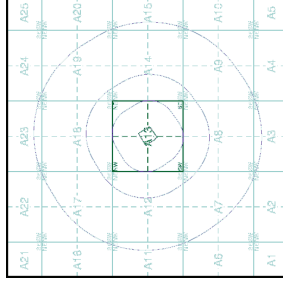
Source map scale - 1:10,560

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 here is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys 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 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: 232272312_1_1
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Slice: A
Site Area (Ha): 1.73
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Flintshire

Published 1953

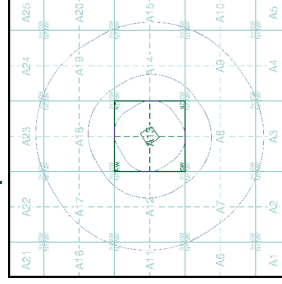
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 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 hereafter 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 overlaid with the National Grid in 1970. The first revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

001NE	1953	1:10,560
001SE	1953	1:10,560

Historical Map - Slice A



Order Details

Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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Web: www.entrack.co.uk



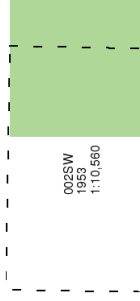
Denbighshire

Published 1953

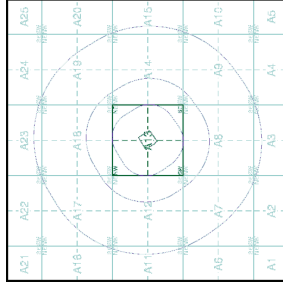
Source map scale - 1:10,560

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 hereafter is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys 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 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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Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS



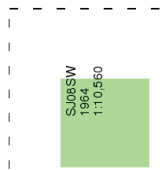
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Fax: 0844 844 9951
Web: www.entrack.co.uk



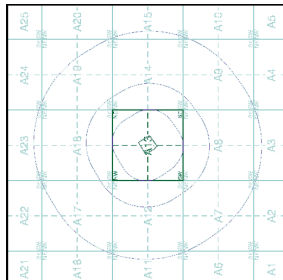
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held in the state archives of England, Wales and Scotland in the 1940's. In 1954 the scale adopted for Norway, Sweden and Finland was changed from the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed data. Before 1938, all OS maps were based on the Cassini Projection, with independent sources of a single datum. In 1938, the Ordnance Survey adopted the Transverse Mercator Projection. In the late 1940's a Provisional Edition was produced, which updated the 1:10,560 mapping to 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 of the 10,000 maps were produced using the Transverse Mercator Projection. The maps were then reprinted in 1981, 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: 23272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
A
Slice:
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
Marine Drive, RHYL, LL18 3AS

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The historical maps were reproduced from maps predominantly held in the state archives of England, Wales and Scotland in the 1840's. In 1854 the 1:250,000 scale was adopted for mapping urban areas; these maps were used to update the 1:100,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were produced on a single projection, the 'old' or 'first' edition projection. This projection was replaced by the 'new' or 'second' edition projection in 1948. The 1:100,560 maps, which were updated in the late 1940's, a Provisional Edition was produced, which updated the 1:100,560 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 'new' edition maps were produced using the 'new' edition of the Ordnance Survey map, which was produced in 1964. The 'new' edition maps were produced with new editions being every 10 years or so for urban areas.

Order Details

Order Number:	232272312_1_1
Customer Ref:	B074057
National Grid Reference:	301480, 382060
Slice:	A
Site Area (Ha):	1.73
Search Buffer (m):	1000

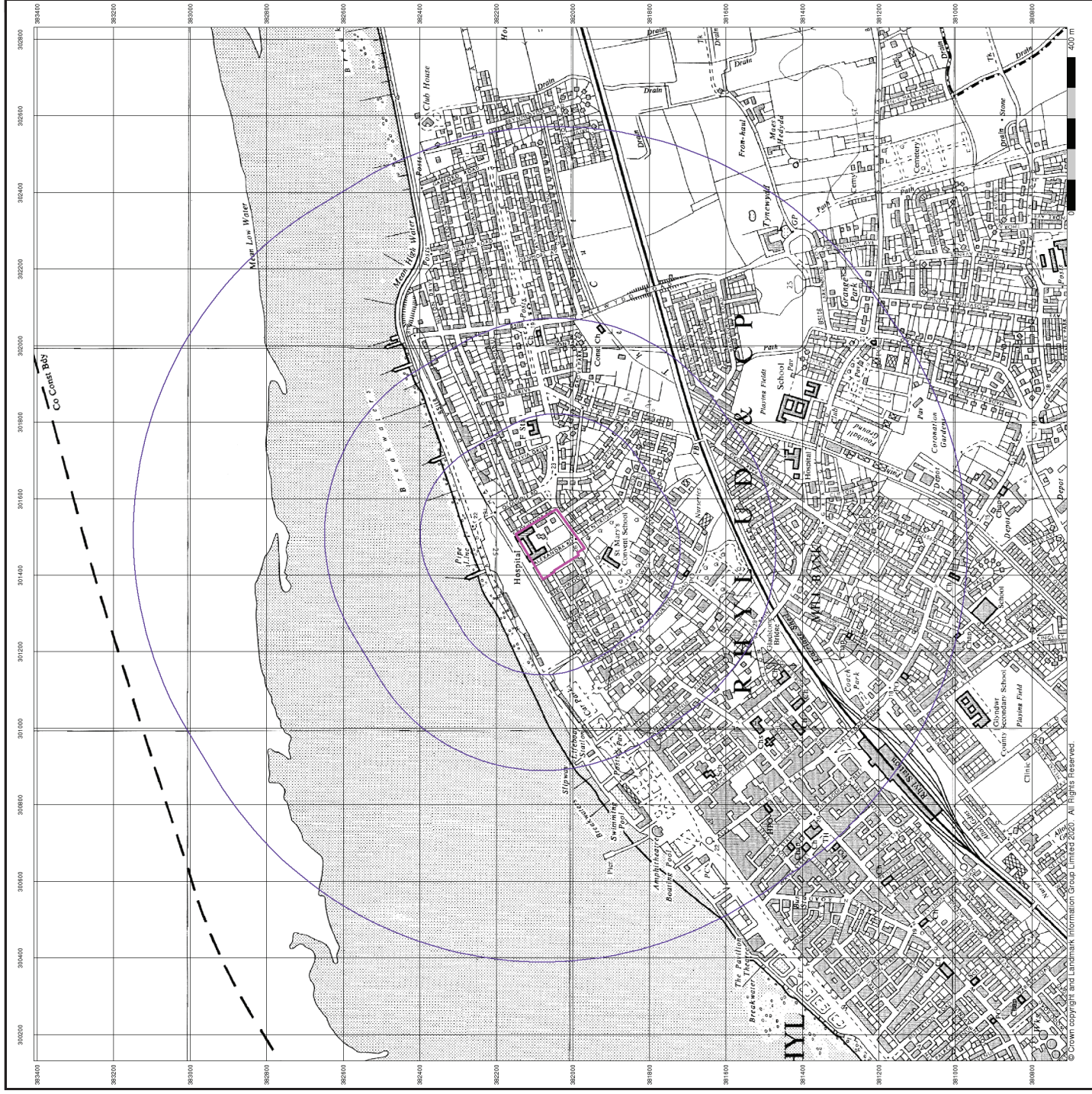
Site Details
Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
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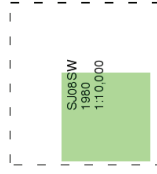


Ordnance Survey Plan Published 1980

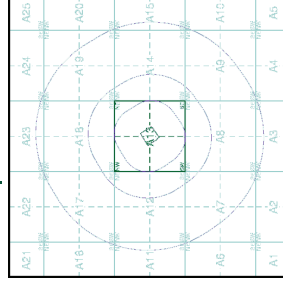
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 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 here is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys 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 were finally overlaid with the National Grid in 1970. The first 1:10,000 scale maps were produced in 1970. 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: 23272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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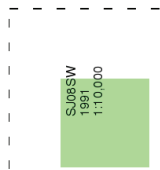
Ordinance Survey Plan

Published 1991

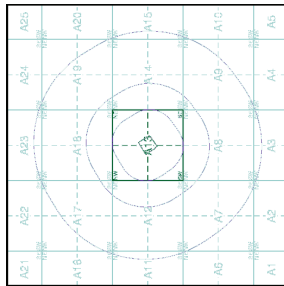
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 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 hereafter 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 were initially overlaid with the National Grid in 1970. The first 1:10,000 scale maps were produced in 1970. 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: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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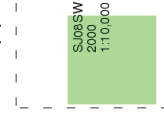
10k Raster Mapping

Published 2000

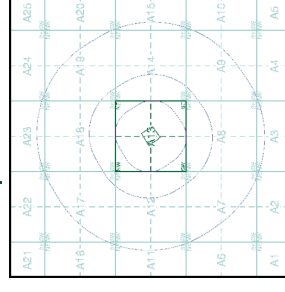
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mappings. 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

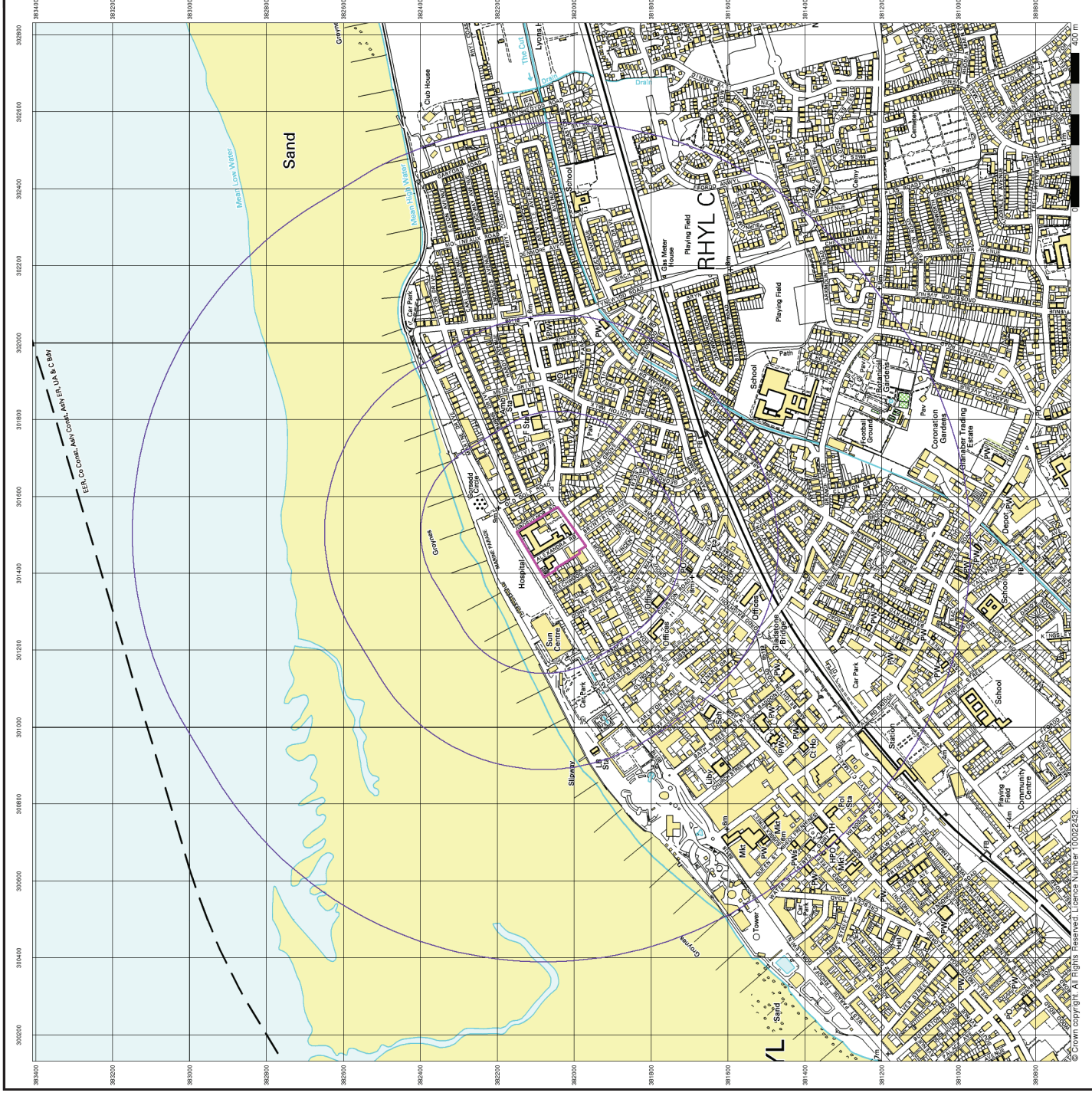
Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

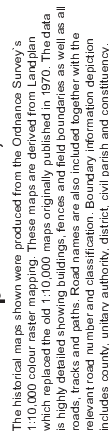
Site Details

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SJ08SW
2006
1:10,000

Order Details

Order Number:	232272312_1_1
Customer Ref:	B074057
National Grid Reference:	301480, 382060
Site:	A
Site Area (Ha):	1.73
Search Buffer (m):	1000

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VectorMap Local

Published 2020

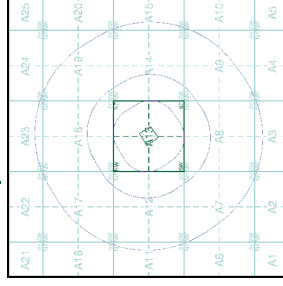
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'background' 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 1:2500 scale (covering major towns and cities), 1:25000 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)

SJ08SW
2020
Variable

Historical Map - Slice A



Order Details

Order Number: 23272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand	Not Supplied - Quaternary
	SUF	Submerged Forest	Peat	Not Supplied - Quaternary
	STOB	Storm Beach Deposits	Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	KNSF	Kinnerton Sandstone Formation	Sandstone	Not Supplied - Early Triassic



Geology 1:50,000 Maps

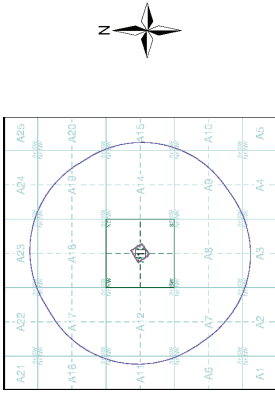
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out primary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

The various geological layers - artificial and landslide 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:	095
Map Name:	Rhyl
Map Date:	1970
Bedrock, Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Supplied
Faults:	Not Supplied
Landfill:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

Order Number:	232272312_1_1
Customer Reference:	B074057
National Grid Reference:	301480, 382060
Slice:	A
Site Area (Ha):	1.73
Search Buffer (m):	1000

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v15.0 28-Jun-2020



Artificial Ground and Landslip

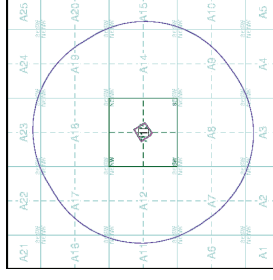
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 23272312_1_1
Customer Reference: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details:

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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.

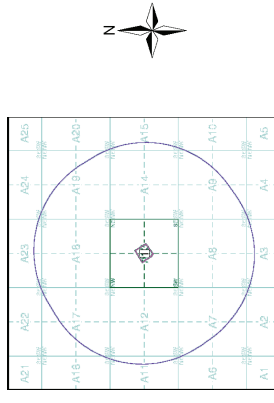
Additional Information

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 Details:

Order Number: 23272312_1_1
Customer Reference: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details:

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v15.0 28-Jun-2020



Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

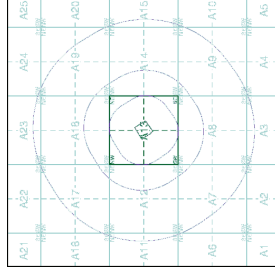
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 23272312_1_1
Customer Ref: 6074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital, Marine Drive, RHYL, LL18 3AS



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Fax: 0844 844 9901
Web: www.servicecheck.co.uk

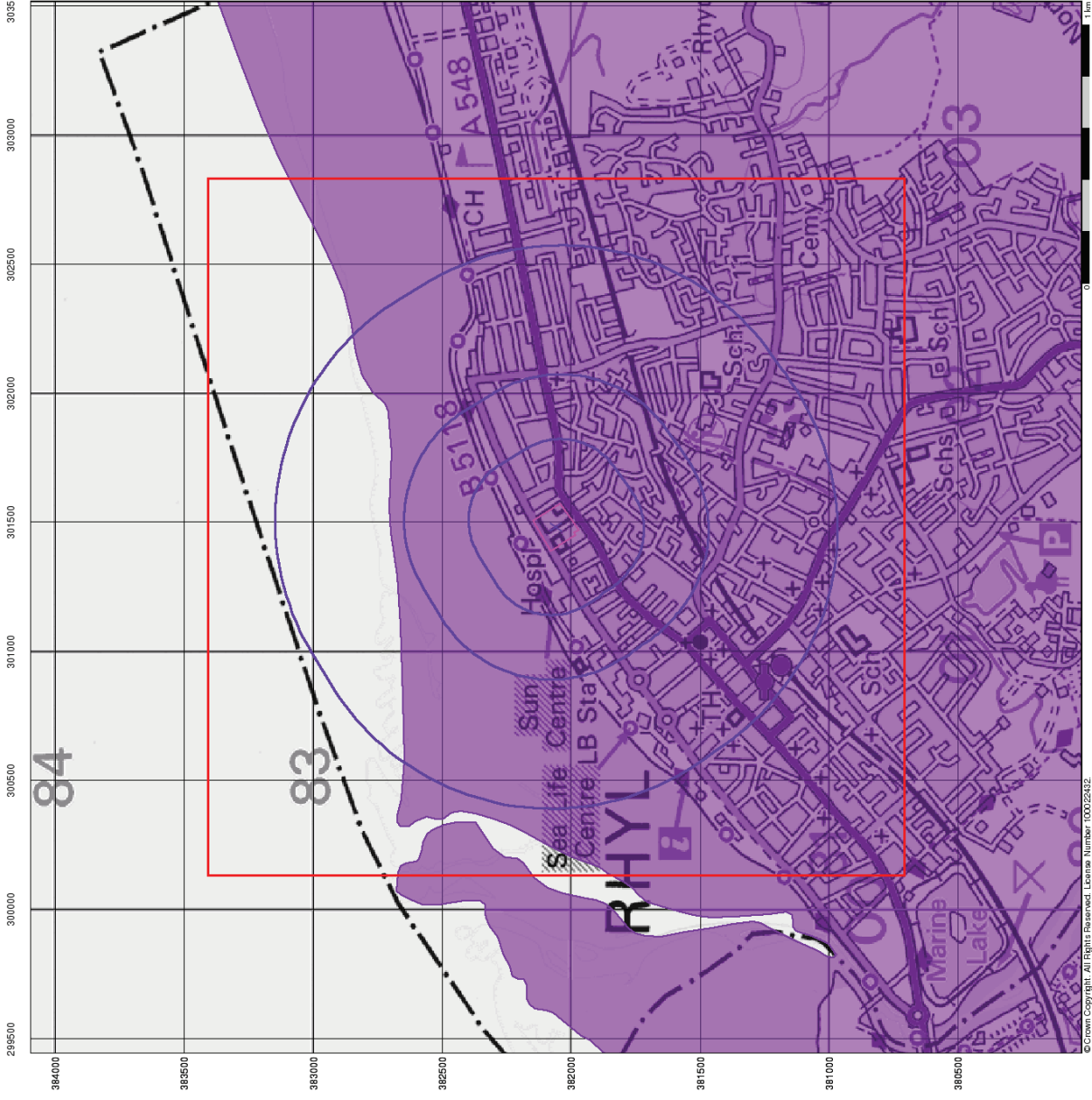


Bedrock Aquifer Designation

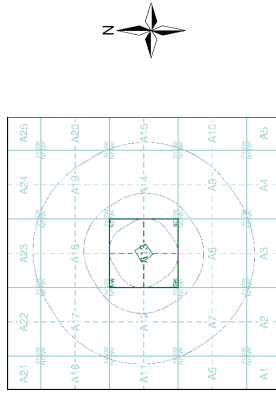
General
Specified Site Specified Buffer(s) Map ID Bearing Reference Point

Agency and Hydrological

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



Site Sensitivity Context Map - Slice A



Order Details

Order Number: 23272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

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Superficial Aquifer Designation

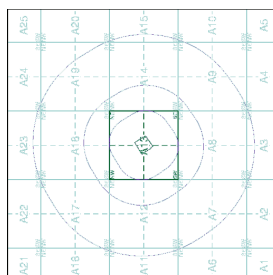
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 23272312_1_1
Customer Ref: 6074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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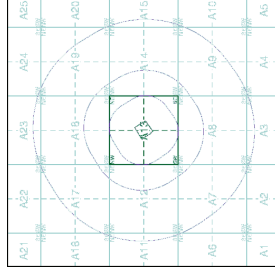
Source Protection Zones

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 23272312_1_1
Customer Ref: 6074057
National Grid Reference: 301480, 382060
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

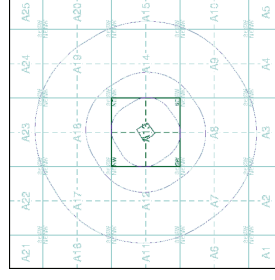
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 23272312_1_1
Customer Ref: 6074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

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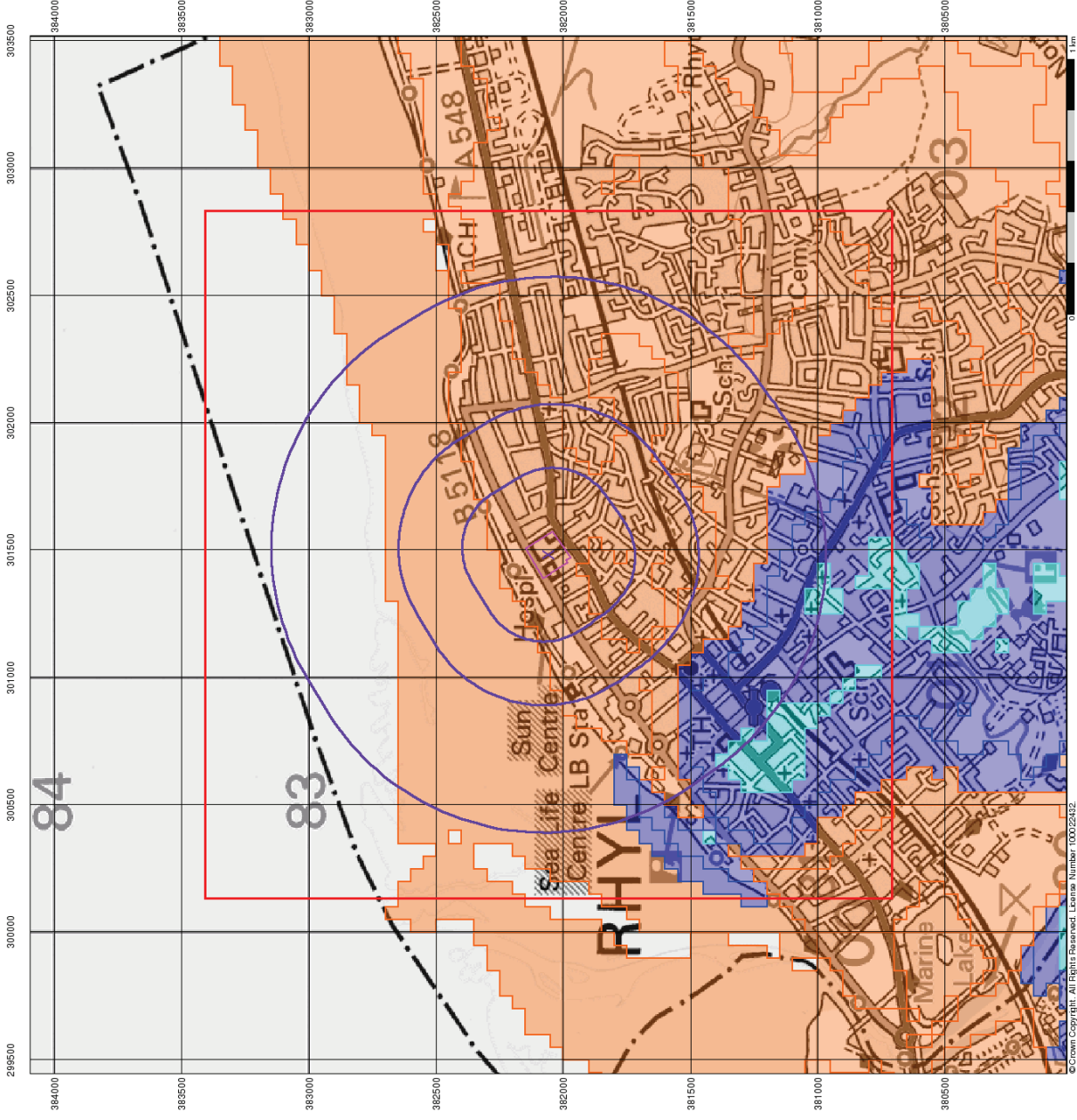
BGS Flood GFS Data

General

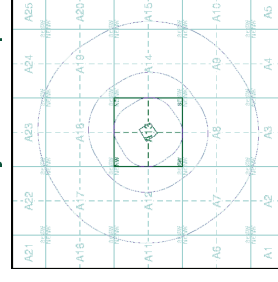
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Site

Agency and Hydrological (Flood)

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



Site Sensitivity Context Map - Slice A



Order Details

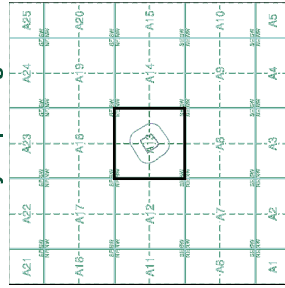
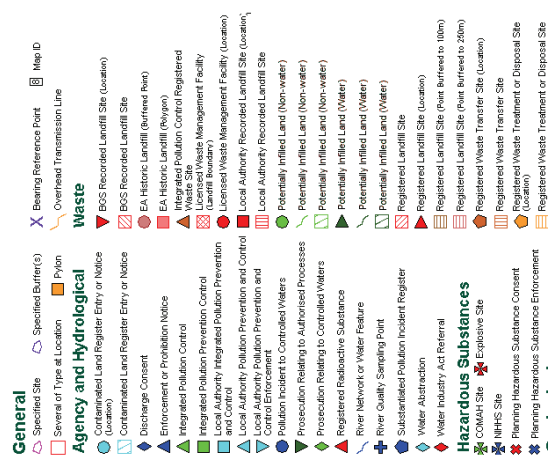
Order Number: 23272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
Slice: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital, Marine Drive, RHYL, LL18 3AS



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Order Details

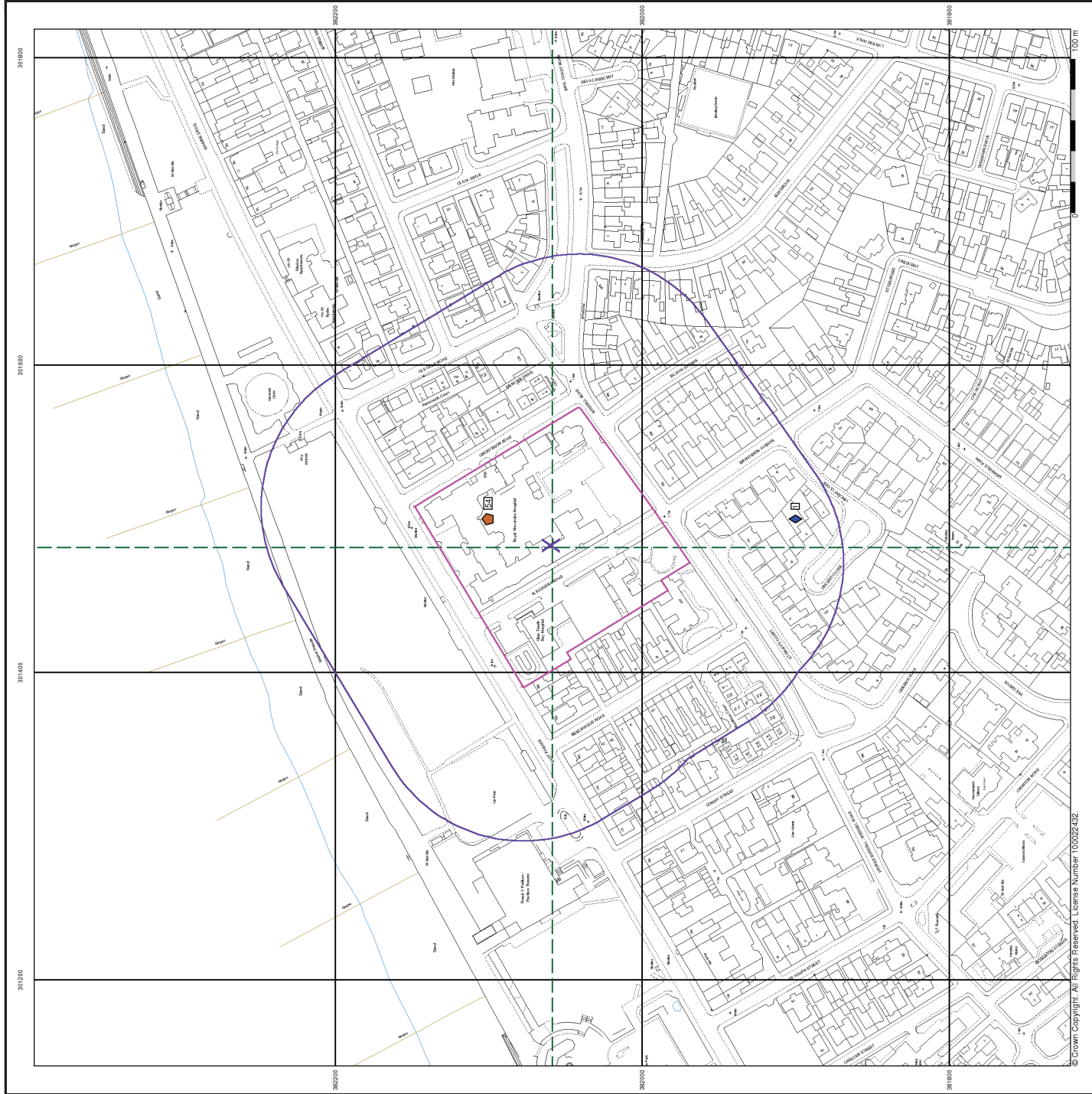
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Customer Ref:	B074057
National Grid Reference:	301480, 382060
Slice:	A
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Plot Buffer (m):	100

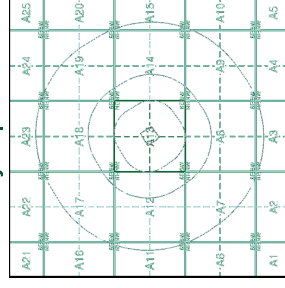
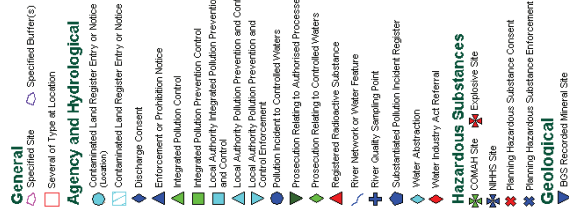
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Order Details

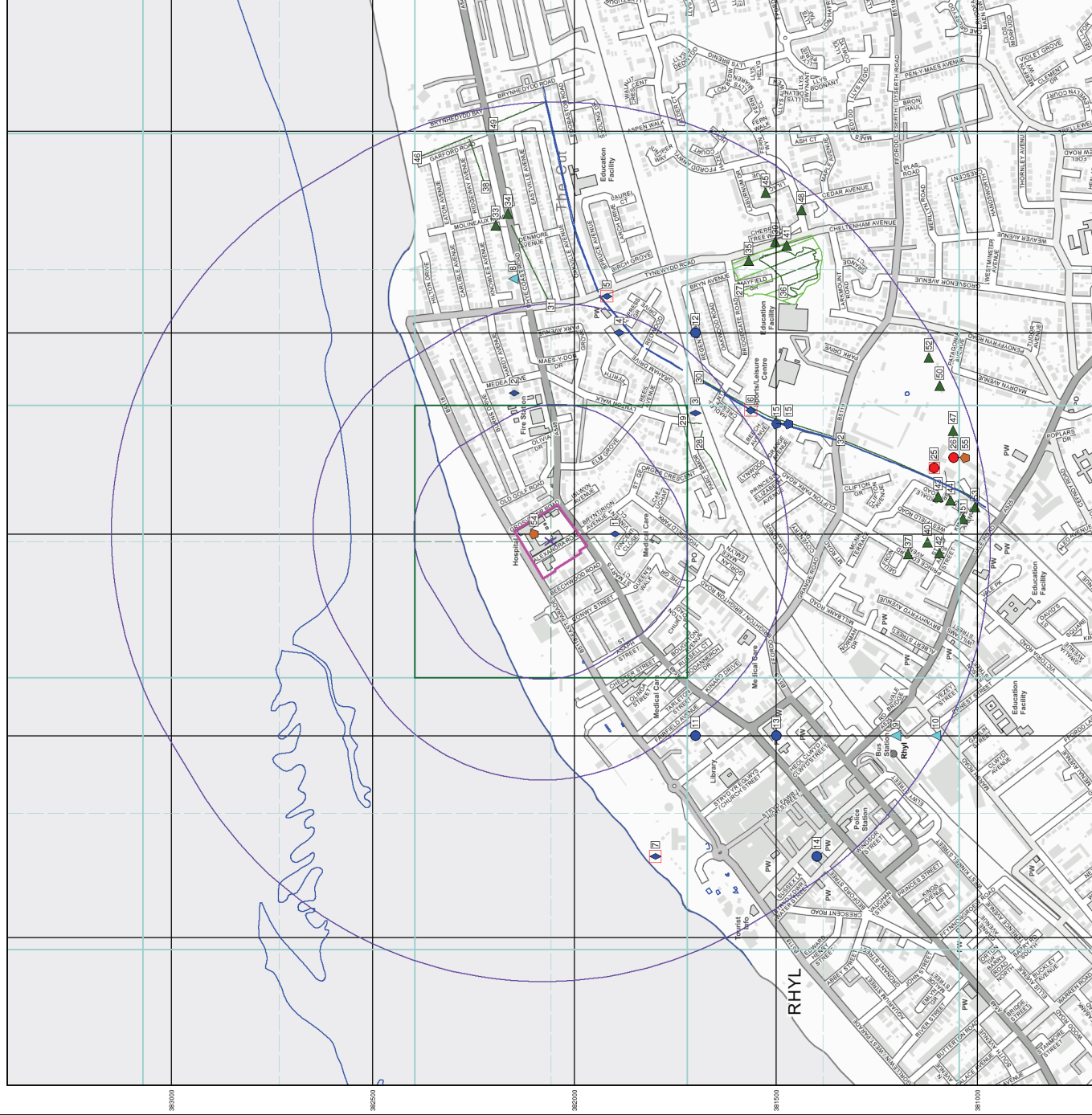
Order Number: 232272312_1_1
Customer Ref: B074057
National Grid Reference: 301480, 382060
A
Slice: 1.73
Site Area (Ha): 1000
Search Buffer (m):

Site Details
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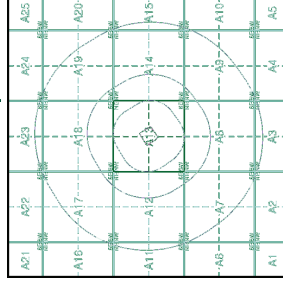
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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - Points of Interest - Commercial Services
 - Points of Interest - Education and Health
 - Points of Interest - Manufacturing and Production
 - Points of Interest - Public Infrastructure
 - Points of Interest - Recreational and Environmental
 - Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 232272312_1.1
 Customer Ref: B074057
 National Grid Reference: 301480, 382060
 Slice: A
 Site Area (Ha): 1.73
 Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital
 Marine Drive, RHYL, LL18 3AS



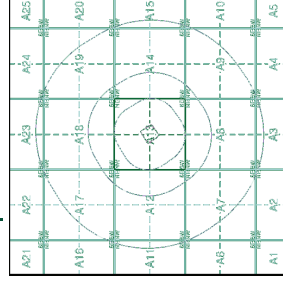
General

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

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

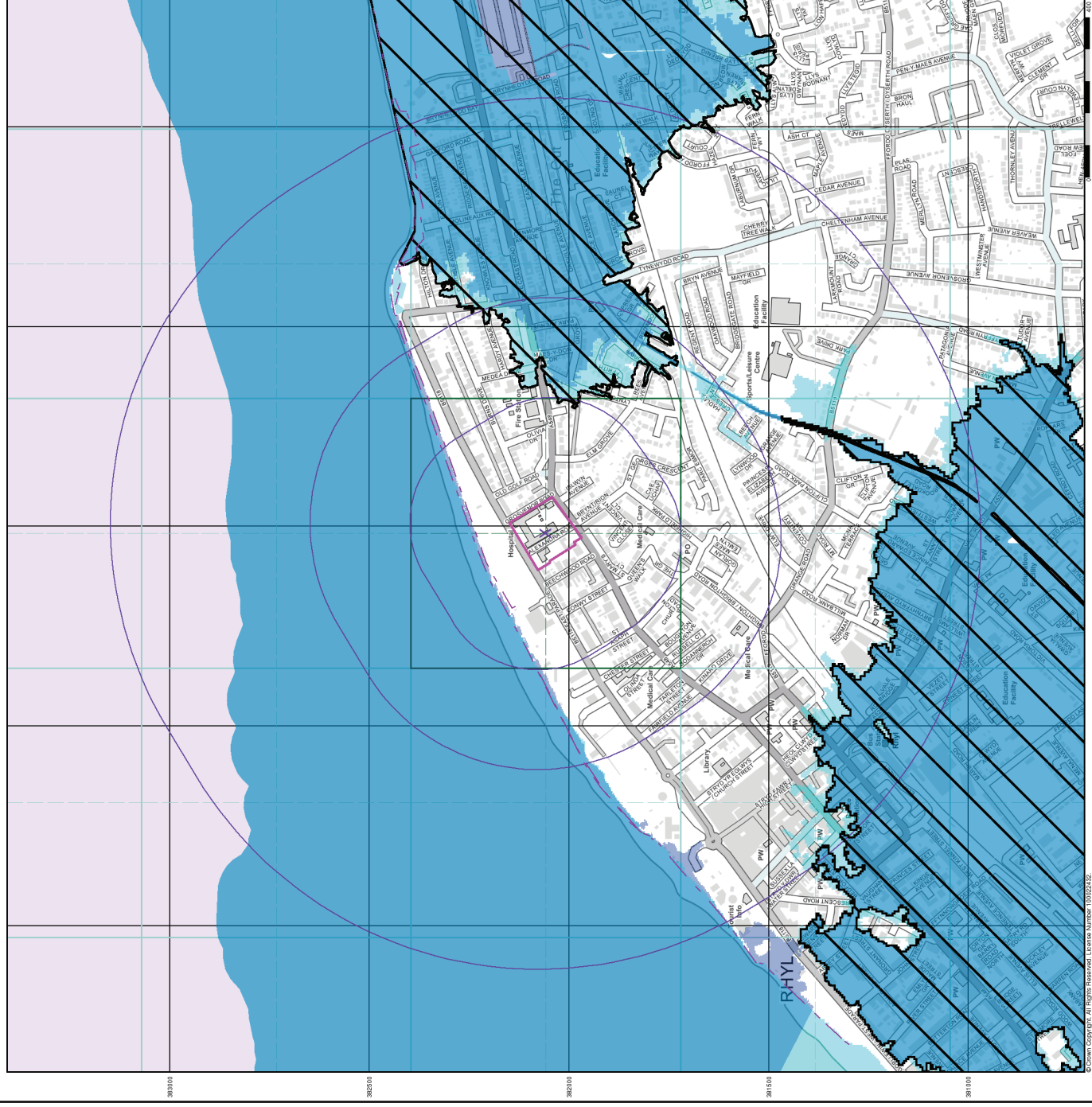


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Site Details

Conwy & Denbighshire NHS Trust: Royal Alexandra Hospital
 Marine Drive, RHYL, LL18 3AS





General

- Specified Site
- Bearing Reference Point
- Map ID
- Several of Type at Location

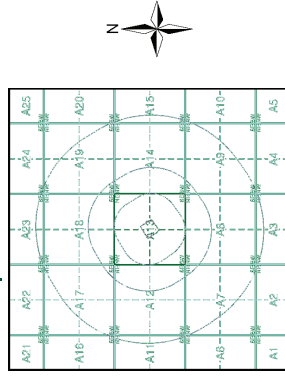
Agency and Hydrological (Boreholes)

- 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

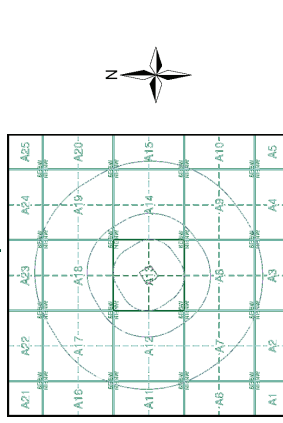
Order Number: 23272312_1_1
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National Grid Reference: 301480, 382060
Site: A
Site Area (Ha): 1.73
Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital
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Web: www.envirocheck.co.uk

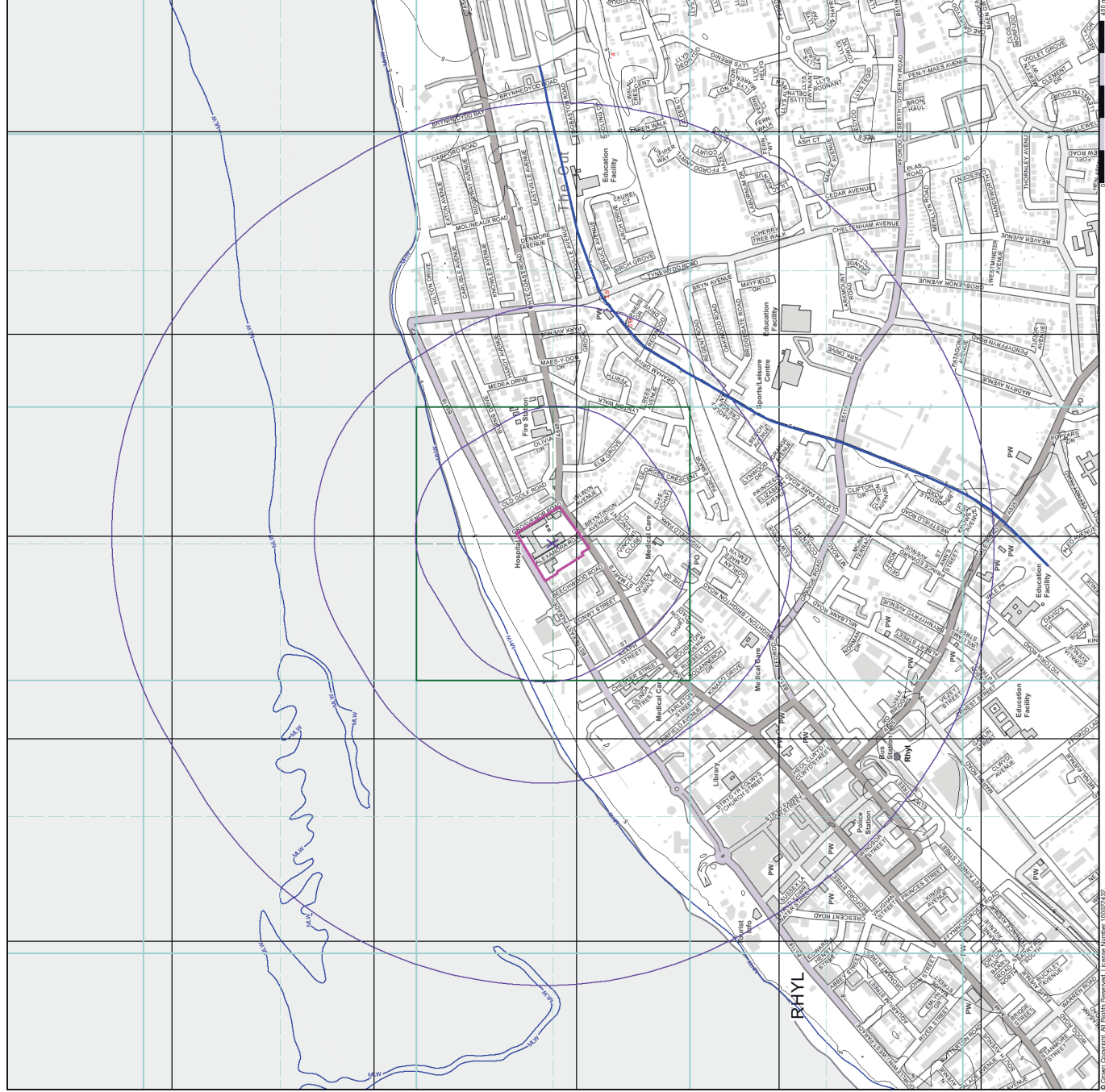


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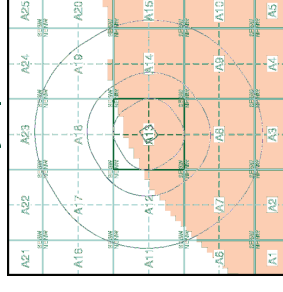
General
 Specified Site
 Bearing Reference Point

Risk of Flooding from Surface Water

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

Suitability
 See the suitability map below
 National to county
 County to town
 Town to street
 Street to parcels of land
 Property

EANRW Suitability Map - Slice A



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Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital
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Landmark
 INFORMATION GROUP

Tel: 0844 844 9852
 Fax: 0844 844 9851
 Web: www.landmark.co.uk

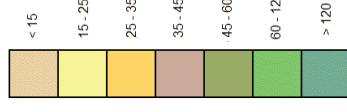


General

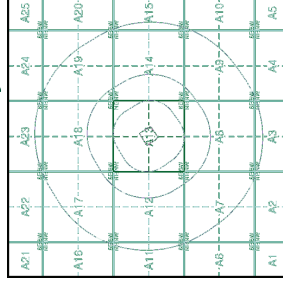
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

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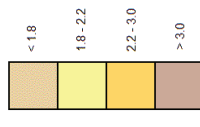
Tel: 0844 844 9852
Fax: 0844 844 9851
Web: www.enrtech.co.uk



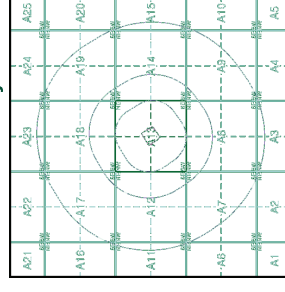
General
Specified Site
Specified Buffer(s)
Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

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Site Details

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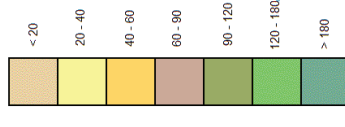
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.landmark.co.uk

General

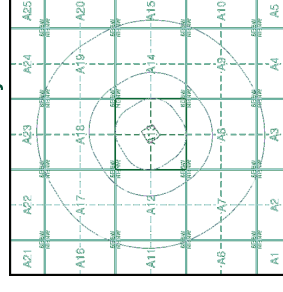
Specified Site  Boring Reference Point 

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



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General

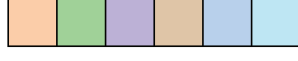
Specified Site

Specified Buffer(s)

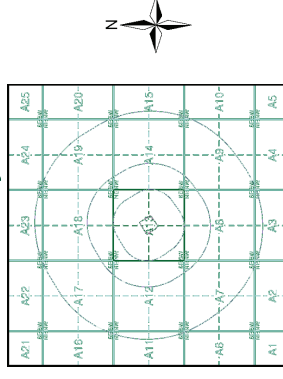
Existing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



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Search Buffer (m): 1000

Site Details

Conwy & Denbighshire NHS Trust, Royal Alexandra Hospital,
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General

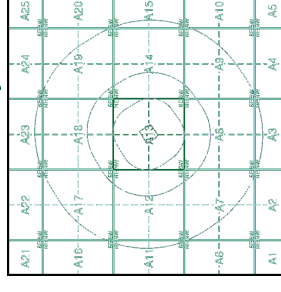
Specified Site  Specified Buffer(s)  Bearing Reference Point 

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 232272312_1_1
 Customer Ref: B074057
 National Grid Reference: 301480, 382060
 Slice: A
 Site Area (Ha): 1.73
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Appendix C Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are generally managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of an event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment, the consequence of the hazard has been classified as severe or medium or mild or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or likely or low likelihood or unlikely.

The consequences and probabilities are subsequently cross-correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

		Consequence			
		Severe	Medium	Mild	Minor
Probability (Likelihood)	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to an ecosystem or organisation forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.	Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a Principal or Secondary A aquifer. Death of a species within a designated nature reserve. Lesser toxic and asphyxiate effects
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater (inc. Secondary B aquifers). Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.

In accordance with DoE guidance, the following categorisation of **probability** has been developed.

Classification	Definition
High Likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a <i>high probability</i> that <i>severe harm</i> could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	<i>Harm is likely to arise</i> to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	<i>It is possible</i> that without appropriate further action <i>harm could arise</i> to a designated receptor. It is relatively <i>unlikely</i> that any such harm would be <i>severe</i> , and if any harm were to occur it is <i>more likely</i> that such harm would be <i>relatively mild</i> .
Low Risk	<i>It is possible</i> that <i>harm could arise</i> to a designated receptor from an identified hazard. It is <i>likely</i> that, at worst, if any harm was realised any effects would be <i>mild</i> .
Very Low Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

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