

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Waste				
BGS Recorded Landfill Sites				
Historical Landfill Sites				
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)	pg 6		1	
Licensed Waste Management Facilities (Locations)	pg 6		1	
Local Authority Landfill Coverage	pg 6	2	n/a	n/a
Local Authority Recorded Landfill Sites				
Potentially Infilled Land (Non-Water)				
Potentially Infilled Land (Water)				
Registered Landfill Sites	pg 6		1	
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				
Hazardous Substances				
Control of Major Accident Hazards Sites (COMAH)				
Explosive Sites				
Notification of Installations Handling Hazardous Substances (NIHHS)				
Planning Hazardous Substance Consents				
Planning Hazardous Substance Enforcements				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Geological				
BGS 1:625,000 Solid Geology	pg 7	Yes	n/a	n/a
BGS Estimated Soil Chemistry	pg 7	Yes		Yes
BGS Recorded Mineral Sites	pg 7		1	2
BGS Urban Soil Chemistry				
BGS Urban Soil Chemistry Averages				
CBSCB Compensation District			n/a	n/a
Coal Mining Affected Areas			n/a	n/a
Mining Instability			n/a	n/a
Man-Made Mining Cavities				
Natural Cavities				
Non Coal Mining Areas of Great Britain				n/a
Potential for Collapsible Ground Stability Hazards	pg 8	Yes		n/a
Potential for Compressible Ground Stability Hazards	pg 8		Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 8	Yes		n/a
Potential for Running Sand Ground Stability Hazards	pg 8	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 8	Yes	Yes	n/a
Radon Potential - Radon Affected Areas			n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
Industrial Land Use				
Contemporary Trade Directory Entries	pg 9		3	(*7)
Fuel Station Entries				
Points of Interest - Commercial Services				
Points of Interest - Education and Health				
Points of Interest - Manufacturing and Production				
Points of Interest - Public Infrastructure	pg 9		2	
Points of Interest - Recreational and Environmental				
Gas Pipelines				
Underground Electrical Cables				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Ancient Woodland	pg 10	1		1
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 10	2		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				
World Heritage Sites				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (NW)	0	1	626678 311975
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (NE)	382	1	627200 313100
1	Discharge Consents Operator: Mr John Baker Property Type: Not Supplied Location: Four Acres Salhouse Road, Sprowston, Norwich, Norfolk Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prefs03756 Permit Version: 1 Effective Date: 7th November 1990 Issued Date: 7th November 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	26	2	627070 311480
	Nearest Surface Water Feature	A12SE (E)	0	-	627327 311890
2	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Norwich District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Bure - Dobbs Beck Incident Date: 5th April 1993 Incident Reference: 1865 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16SE (NE)	278	2	627400 312500
3	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Norwich District, RACKHEATH PARK Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Sprowston Watercourse Incident Date: 19th January 1999 Incident Reference: 4544 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16NW (N)	312	2	627000 313100
4	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Norwich District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Bure Catchment Incident Date: 23rd June 1992 Incident Reference: 1589 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16NW (NE)	382	2	627200 313100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Water Abstractions</p> <p>Operator: White House Farming Partnership Licence Number: 7/34/07/*G/0021 Permit Version: 101 Location: Bore-White Ho Fm Sprowston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct 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 April Authorised End: 31 October Permit Start Date: 27th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A11SE (NE)	35	2	626750 312060
5	<p>Water Abstractions</p> <p>Operator: S E Gurney & Partners Licence Number: 7/34/07/*G/0021 Permit Version: 100 Location: Bore-White Ho Fm Sprowston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st June 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A11SE (NE)	35	2	626750 312060
6	<p>Water Abstractions</p> <p>Operator: White House Farming Partnership Licence Number: 7/34/07/*G/0021 Permit Version: 101 Location: Ag Bore-White Ho Fm Sprowston Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic 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: 27th August 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A11SE (E)	89	2	626780 311990
6	<p>Water Abstractions</p> <p>Operator: S E Gurney & Partners Licence Number: 7/34/07/*G/0021 Permit Version: 100 Location: Ag Bore-White Ho Fm Sprowston Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A11SE (E)	91	2	626780 311985

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Water Abstractions</p> <p>Operator: Marriott Hotels Ltd Licence Number: 7/34/07/*G/0051 Permit Version: 104 Location: Borehole 2 At Sprowston Manor Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sprowston, Norfolk Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st March 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SE (NW)	308	2	626100 312600
7	<p>Water Abstractions</p> <p>Operator: Sprowston Park Golf Club Ltd Licence Number: 7/34/07/*G/0065 Permit Version: 1 Location: Borehole At Sprowston Manor Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Golf Course At Sprowston Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 21st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SE (NW)	308	2	626100 312600
8	<p>Water Abstractions</p> <p>Operator: Wentworth Propco 44 Ltd Licence Number: 7/34/07/*G/0051 Permit Version: 103 Location: Bore At Golf Course, Sprowston Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sprowston Norfolk Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 18th March 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (NW)	360	2	626050 312700
8	<p>Water Abstractions</p> <p>Operator: Marriott Hotels Ltd Licence Number: 7/34/07/*G/0051 Permit Version: 104 Location: Borehole 1 At Golf Course, Sprowston Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sprowston Norfolk Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st March 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (NW)	360	2	626050 312700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Water Abstractions</p> <p>Operator: Sprowston Park Golf Club Ltd Licence Number: 7/34/07/*G/0051 Permit Version: 102 Location: Bore At Golf Course, Sprowston Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sprowston Norfolk Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 29th July 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (NW)	360	2	626050 312700
8	<p>Water Abstractions</p> <p>Operator: Sprowston Park Golf Club Limited Licence Number: 7/34/07/*G/0051 Permit Version: 100 Location: Bore At Golf Course, Sprowston Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st November 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (NW)	360	2	626050 312700
	<p>Water Abstractions</p> <p>Operator: S E Cowell Licence Number: 7/34/07/*G/0046 Permit Version: 101 Location: Bore, Gazebo-Covert, Rackheath Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gazebo Covert Rackheath Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	632	2	627600 312900
	<p>Water Abstractions</p> <p>Operator: S E Cowell Licence Number: 7/34/07/*G/0046 Permit Version: 100 Location: Bore, Gazebo-Covert, Rackheath Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16NE (NE)	632	2	627600 312900
	<p>Groundwater Vulnerability</p> <p>Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 26 East Norfolk Scale: 1:100,000</p>	A11SE (NW)	0	2	626678 311975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Drift Deposits</p> <p>Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium</p> <p>Map Sheet: Sheet 26 East Norfolk</p> <p>Scale: 1:100,000</p>	A11SW (W)	0	2	626624 311978
	<p>Bedrock Aquifer Designations</p> <p>Aquifer Designation: Principal Aquifer</p>	A11SE (NW)	0	1	626678 311975
	<p>Superficial Aquifer Designations</p> <p>Aquifer Designation: Unproductive Strata</p>	A11SE (NW)	0	1	626678 311975
	<p>Superficial Aquifer Designations</p> <p>Aquifer Designation: Secondary Aquifer - A</p>	A11SE (E)	0	1	626682 311975
9	<p>Source Protection Zones</p> <p>Name: Various</p> <p>Source: Environment Agency, Head Office</p> <p>Reference: Not Supplied</p> <p>Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.</p>	A11SE (NW)	0	2	626678 311975
10	<p>Source Protection Zones</p> <p>Name: Ag Bore-White Ho Fm Sprowston</p> <p>Source: Environment Agency, Head Office</p> <p>Reference: An412</p> <p>Type: Groundwater Source</p>	A11SE (E)	89	2	626780 311990
	<p>Extreme Flooding from Rivers or Sea without Defences</p> <p>None</p>				
	<p>Flooding from Rivers or Sea without Defences</p> <p>None</p>				
	<p>Areas Benefiting from Flood Defences</p> <p>None</p>				
	<p>Flood Water Storage Areas</p> <p>None</p>				
	<p>Flood Defences</p> <p>None</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Licensed Waste Management Facilities (Landfill Boundaries) Name: Rackheath Licence Number: 70444 Location: Salhouse Road, Rackheath, Norwich, Norfolk, NR13 6LA Licence Holder: R M C (H W) No 1 Ltd Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Household, Commercial And Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Closure Issued: 19th December 1988 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A12SE (E)	10	2	627339 312110
12	Licensed Waste Management Facilities (Locations) Licence Number: 70444 Location: Salhouse Road, Rackheath, Norwich, Norfolk, NR13 6LA Operator Name: R M C (H W) No 1 Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Household, Commercial And Industrial Waste Landfills Licence Status: Closed Issued: 19th December 1988 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 100m	A12SE (E)	174	2	627600 312000
	Local Authority Landfill Coverage Name: Norfolk County Council - Has supplied landfill data		0	4	626678 311975
	Local Authority Landfill Coverage Name: Broadland District Council - Has no landfill data to supply		0	3	626678 311975
13	Registered Landfill Sites Licence Holder: Hales Waste Control Ltd Licence Reference: NFK/LS/017/1 Site Location: Salhouse Road, Rackheath, NORWICH, Norfolk, NR13 6LA Licence Easting: 627600 Licence Northing: 311995 Operator Location: Delamere Road, Cheshunt, WALTHAM CROSS, Hertfordshire, EN8 9SJ Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site Closed Dated: 19th December 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste Permitted By Licence Norfolk Cat.A Non-Decomposing Waste Norfolk Cat.B Gen.Waste (Slow Decomp)	A12SE (E)	171	2	627600 311995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Neogene To Quaternary Rocks (Undifferentiated)	A11SE (NW)	0	1	626678 311975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A11SE (E)	0	1	626682 311975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A11SE (NW)	0	1	626678 311975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A16SE (NE)	281	1	627351 312594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	(E)	305	1	627840 311689
14	BGS Recorded Mineral Sites Site Name: Sprowston Grange Pit Location: , Sprowston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 196987 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sheringham Cliffs Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7SE (SE)	84	1	626938 311461
15	BGS Recorded Mineral Sites Site Name: Sprowston Grange Pit Location: , Sprowston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 196993 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sheringham Cliffs Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7SE (S)	340	1	626664 311436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	BGS Recorded Mineral Sites Site Name: Rackheath Hall Pit Location: , Rackheath, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 196995 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sheringham Cliffs Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	498	1	627486 312792
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	626678 311975
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	215	1	626823 312973
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	626678 311975
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	215	1	626823 312973
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	626678 311975
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	626678 311975
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	626678 311975
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	215	1	626823 312973
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	626678 311975
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	626682 311975
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	215	1	626823 312973
	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	A11SE (NW)	0	1	626678 311975
	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	A11SE (NW)	0	1	626678 311975

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17	Contemporary Trade Directory Entries Name: Flight Case Solutions Location: Woodview, Salhouse Road, Rackheath, Norwich, NR13 6NR Classification: Case Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (E)	33	-	627541 311714
18	Contemporary Trade Directory Entries Name: John Faircloth Ltd Location: Grange Farm, Salhouse Road, Rackheath, Norwich, NR13 6LA Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SE)	114	-	626935 311410
19	Contemporary Trade Directory Entries Name: The Business Base Location: Eastgate Place, Salhouse Road, Rackheath, Norwich, NR13 6LA Classification: Ropes & Hawsers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7SE (S)	240	-	626819 311354
	Contemporary Trade Directory Entries Name: Hotel & Catering Supplies Location: 28, Harrisons Drive, Norwich, NR7 9HU Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	665	-	626493 311080
	Contemporary Trade Directory Entries Name: A & S Circuits Ltd Location: 11, Heath Road, Thorpe End, Norwich, NR13 5BQ Classification: Printed Circuit Services Status: Active Positional Accuracy: Automatically positioned to the address	A4NE (SE)	732	-	627633 310971
	Contemporary Trade Directory Entries Name: Johnsons Cleaners Within Tesco Location: Johnson Cleaners, Tesco Stores Ltd, Blue Boar Lane, Norwich, NR7 8AB Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A10SW (W)	886	-	625657 312120
	Contemporary Trade Directory Entries Name: Fast Fit Exhausts Location: 200 Salhouse Road, Norwich, Norfolk, NR7 9AH Classification: Exhaust & Shock Absorber Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A2NE (SW)	891	-	626239 311055
	Contemporary Trade Directory Entries Name: Fastfit Tyres & Exhausts Ltd Location: Salhouse Road, Norwich, NR7 9AH Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A3NW (S)	942	-	626306 310871
	Contemporary Trade Directory Entries Name: Bev Woolner Location: 100, Cere Road, Norwich, Norfolk, NR7 8LH Classification: Bookbinding & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A6NW (W)	955	-	625797 311722
	Contemporary Trade Directory Entries Name: Woodlands Forecourt Services Ltd Location: Salhouse Rd, Norwich, Norfolk, NR7 9AB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A2NE (SW)	997	-	626127 311040
20	Points of Interest - Public Infrastructure Name: Refuse Tip Location: NR13 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	116	5	627475 312097
21	Points of Interest - Public Infrastructure Name: Refuse Tip (Disused) Location: NR13 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	132	5	627572 311965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Ancient Woodland Name: Bulmer Coppice Reference: 1115708 Area(m ²): 75400.67 Type: Plantation on Ancient Woodland	A12SW (E)	0	6	627173 311956
23	Ancient Woodland Name: Tollshill Wood Reference: 1115705 Area(m ²): 93069.82 Type: Plantation on Ancient Woodland	A15NW (N)	392	6	626474 313058
24	Nitrate Vulnerable Zones Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11SE (NW)	0	7	626678 311975
25	Nitrate Vulnerable Zones Name: Not Supplied Description: Eutrophic Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11SE (NW)	0	7	626678 311975




Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Broadland District Council - Environmental Health Department Norwich City Council - Environmental Health Department	April 2014 November 2014	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	January 2017	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	January 2017	Quarterly
Local Authority Integrated Pollution Prevention And Control Norwich City Council - Environmental Health Department Broadland District Council - Environmental Health Department	March 2015 September 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Norwich City Council - Environmental Health Department Broadland District Council - Environmental Health Department	March 2015 September 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Norwich City Council - Environmental Health Department Broadland District Council - Environmental Health Department	March 2015 September 2014	Annual Rolling Update Annual Rolling Update
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	January 2017	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2016	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	January 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	February 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2017	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2017	Quarterly
Flood Defences Environment Agency - Head Office	February 2017	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	January 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	August 2016	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	October 2016	Quarterly
Local Authority Landfill Coverage Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste Norwich City Council	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste Norwich City Council	May 2000 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 - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste Norwich City Council	February 2016 June 2007 October 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste Norwich City Council	February 2016 June 2007 October 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update
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	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2017	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	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2016	Quarterly
Points of Interest - Education and Health PointX	December 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2016	Quarterly
Points of Interest - Public Infrastructure PointX	December 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2016	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2016	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	January 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	January 2017	Bi-Annually
Marine Nature Reserves Natural England	January 2017	Bi-Annually
National Nature Reserves Natural England	January 2017	Bi-Annually
National Parks Natural England	February 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	January 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	January 2017	Bi-Annually
Special Areas of Conservation Natural England	January 2017	Bi-Annually
Special Protection Areas Natural England	January 2017	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	Bi-Annually

A selection of organisations who provide data within this report

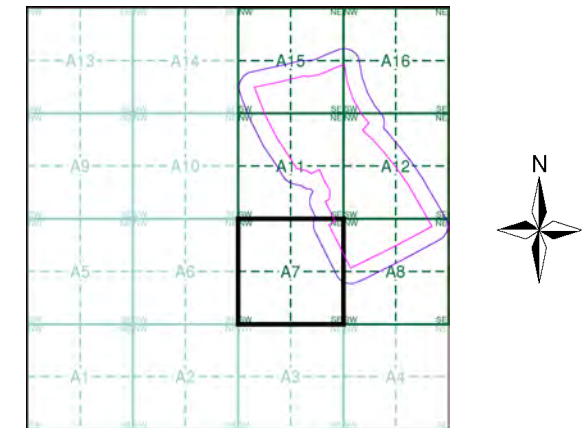
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology 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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Broadland District Council Thorpe Lodge, Yarmouth Road, Thorpe St Andrew, Norwich, Norfolk, NR7 0DU	Telephone: 01603 431133 Fax: 01603 700339 Website: www.broadland.gov.uk
4	Norfolk County Council - Planning & Transportation - Minerals & Waste County Hall, Martineau Lane, Norwich, Norfolk, NR1 2DH	Telephone: 0844 800 8020 Fax: 0844 800 8012 Email: information@norfolk.gov.uk Website: www.norfolk.gov.uk
5	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
6	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	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.

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Local Authority Pollution Prevention and Control Enforcement
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 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
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 - Local Authority Recorded Landfill Site
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 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A7

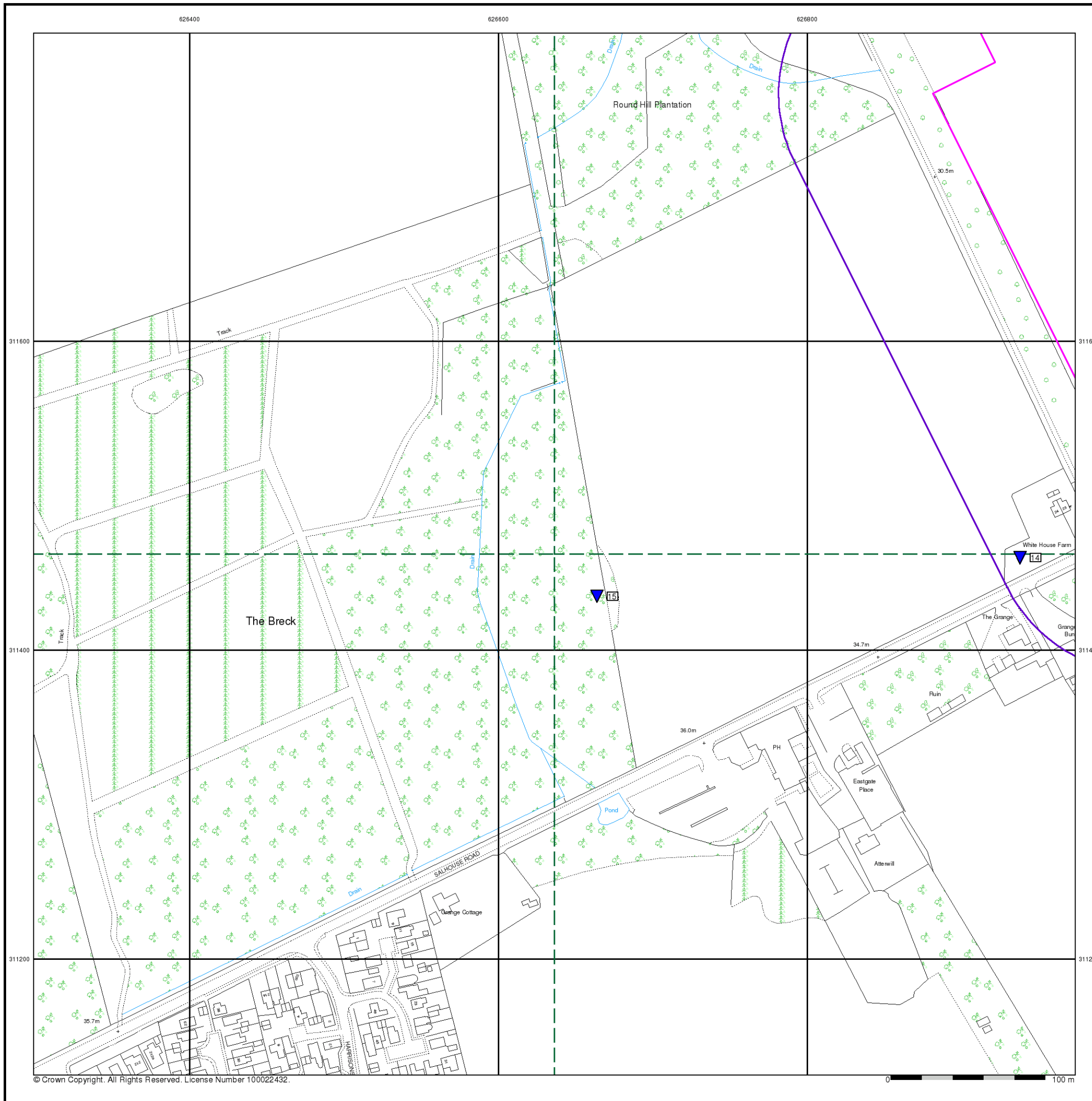


Order Details

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 National Grid Reference: 626680, 311980
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 Plot Buffer (m): 100

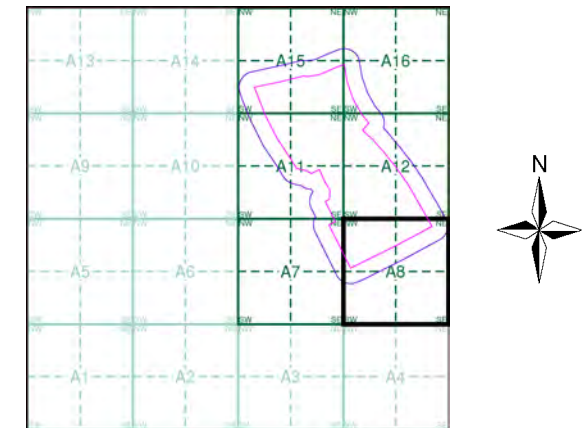
Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
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 - Potentially Infilled Land (Water)
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 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A8

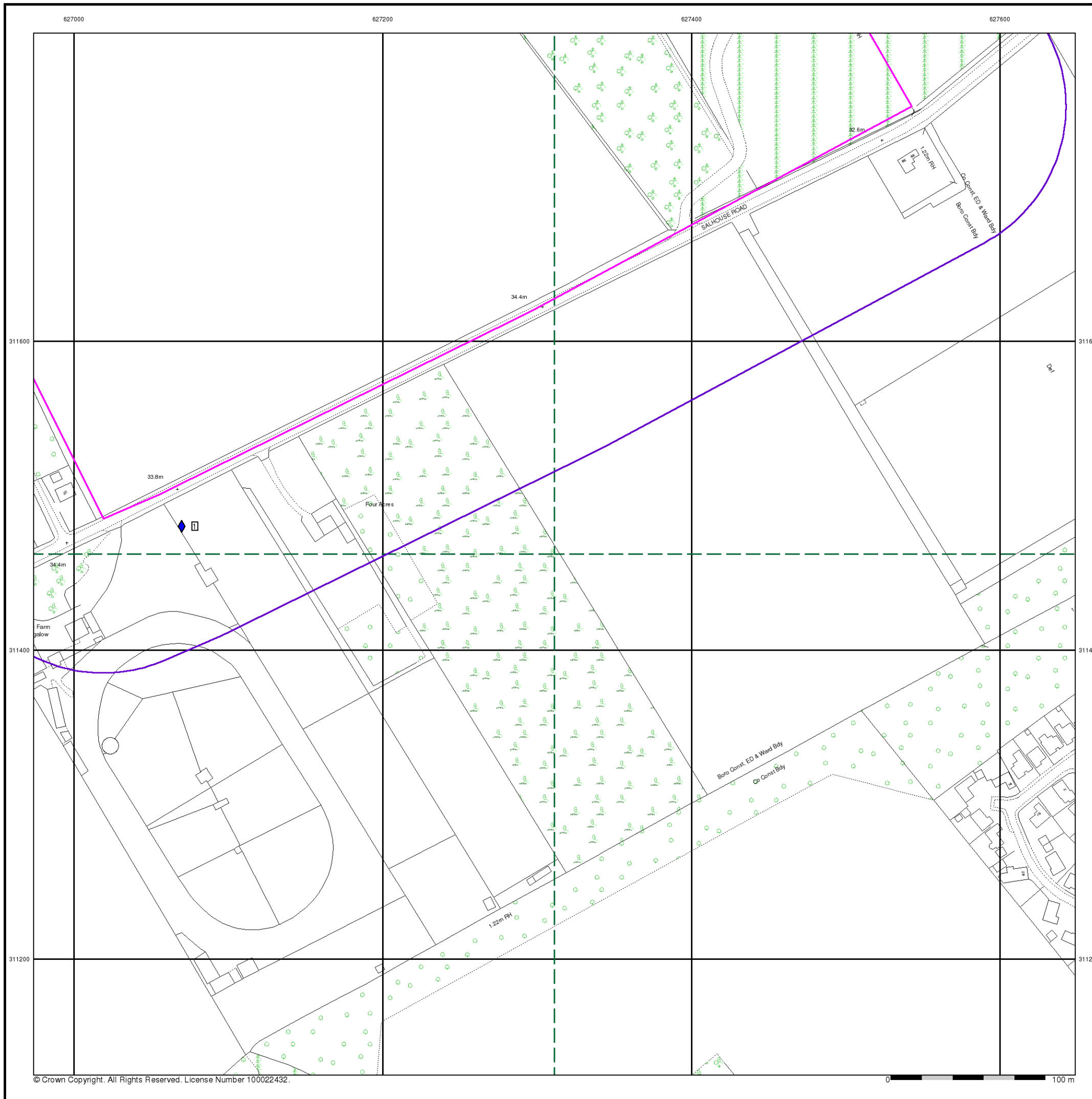


Order Details

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 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Plot Buffer (m): 100

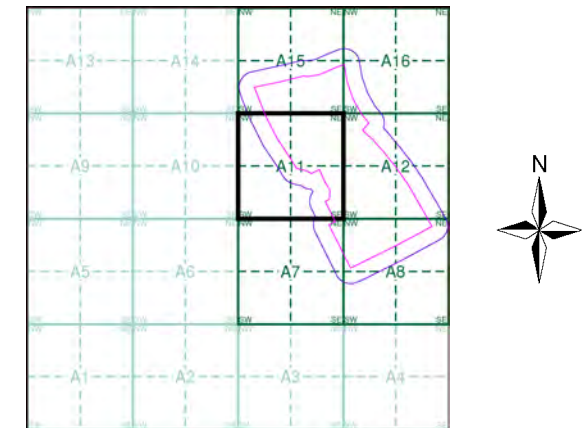
Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
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 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
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 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
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 - BGS Recorded Landfill Site
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 - EA Historic Landfill (Polygon)
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 - Licensed Waste Management Facility (Landfill Boundary)
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 - Local Authority Recorded Landfill Site
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 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A11

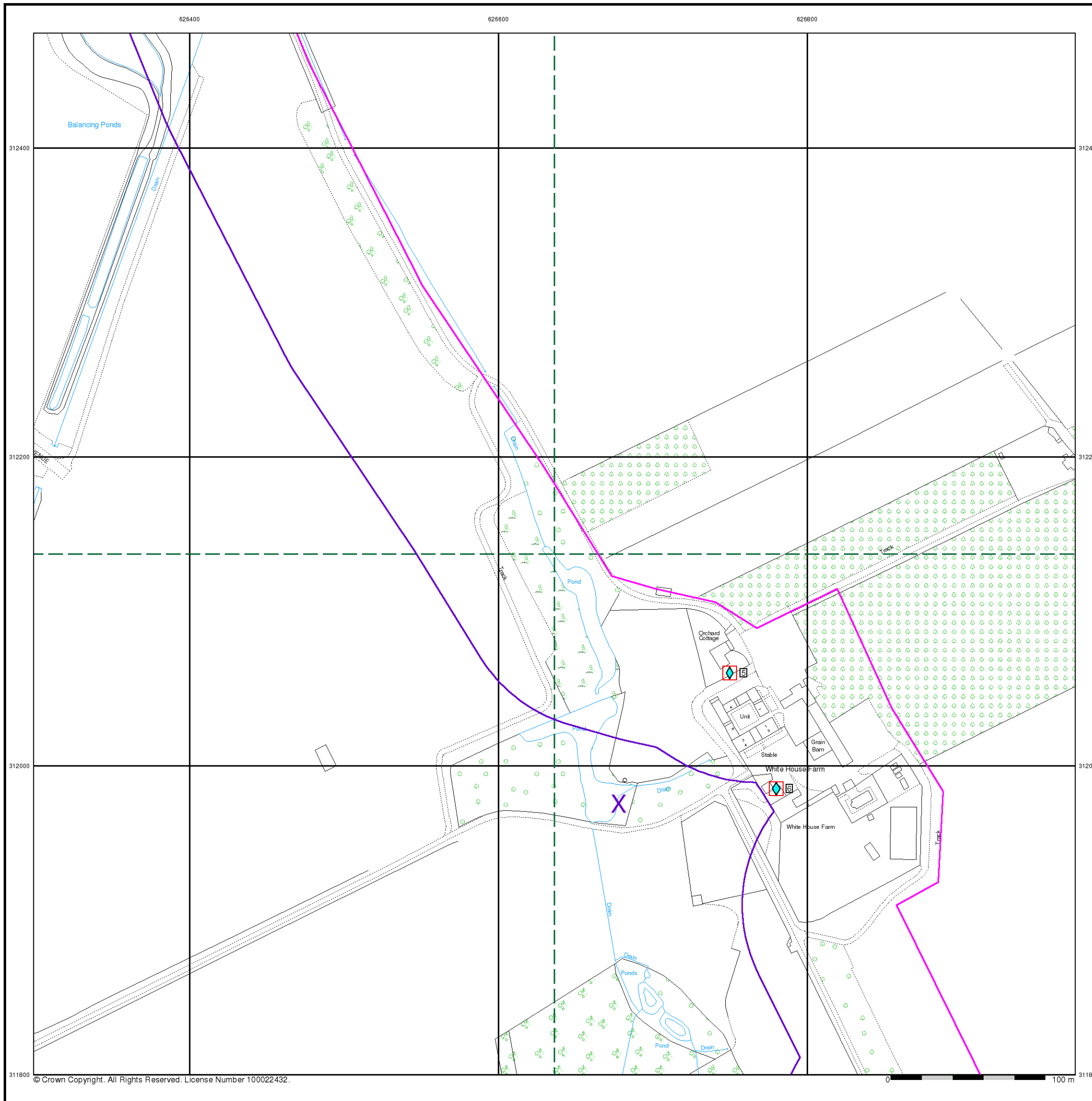


Order Details

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 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Plot Buffer (m): 100

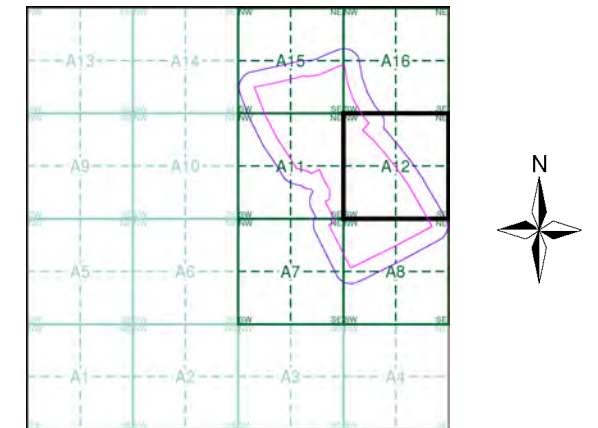
Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
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 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
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 - Water Industry Act Referral
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 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A12

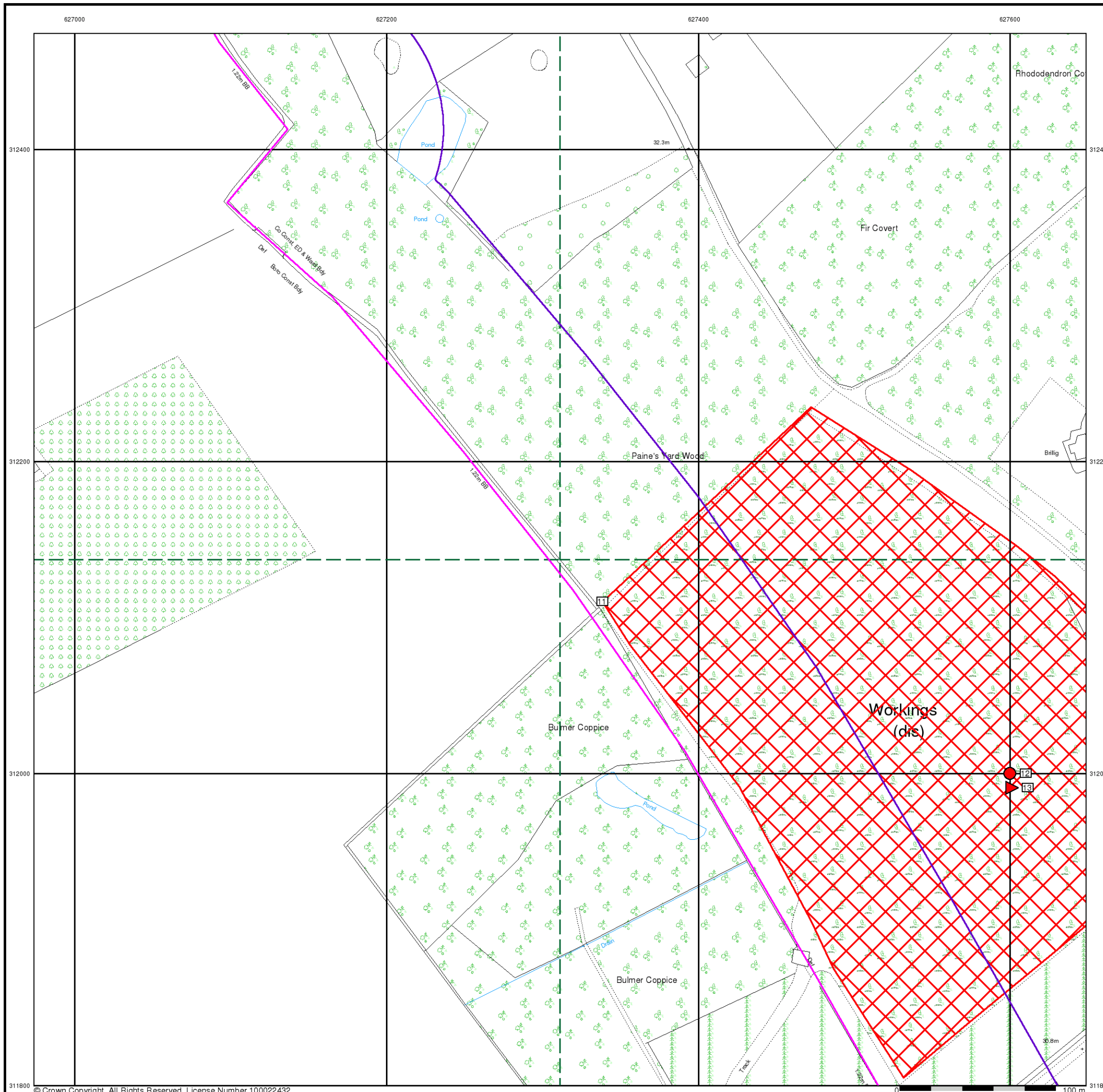


Order Details

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 Plot Buffer (m): 100

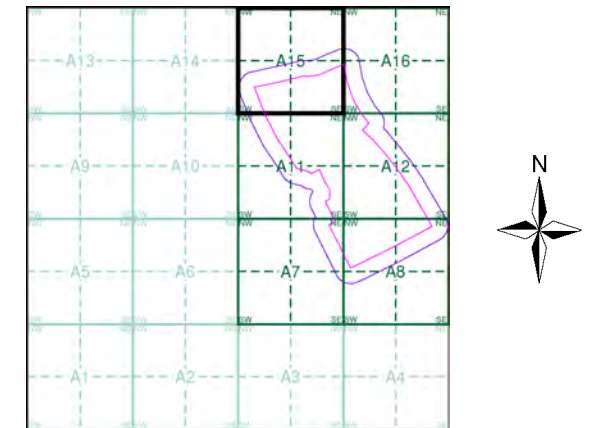
Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Local Authority Recorded Landfill Site
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 - Registered Radioactive Substance
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 - River Quality Sampling Point
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 - Water Abstraction
 - Water Industry Act Referral
- Waste**
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 - BGS Recorded Landfill Site
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 - EA Historic Landfill (Polygon)
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 - Licensed Waste Management Facility (Landfill Boundary)
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 - Local Authority Recorded Landfill Site
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 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A15

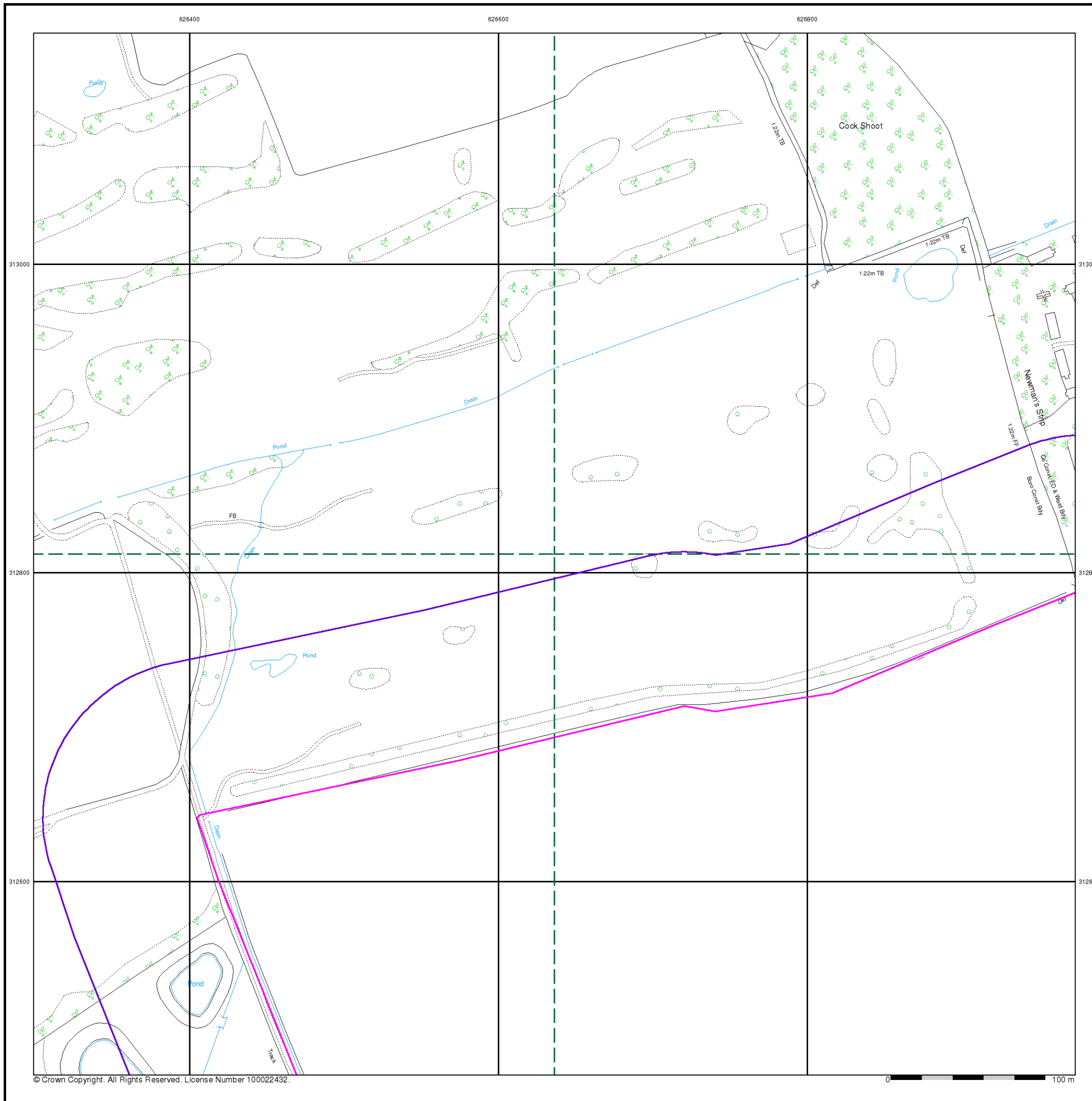


Order Details

Order Number: 123227967_1_1
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 National Grid Reference: 626680, 311980
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 Site Area (Ha): 65.82
 Plot Buffer (m): 100

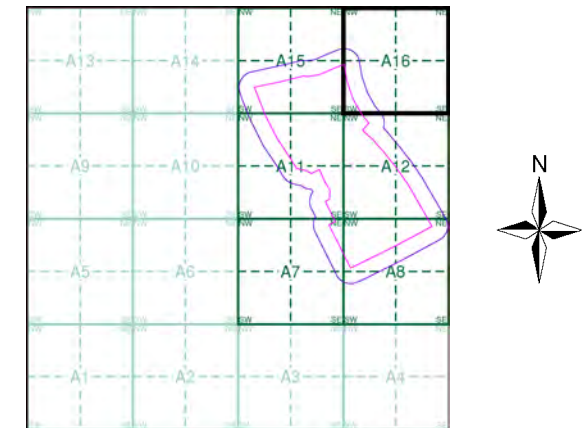
Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
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 - Registered Radioactive Substance
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 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
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 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
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 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
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 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
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 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A16

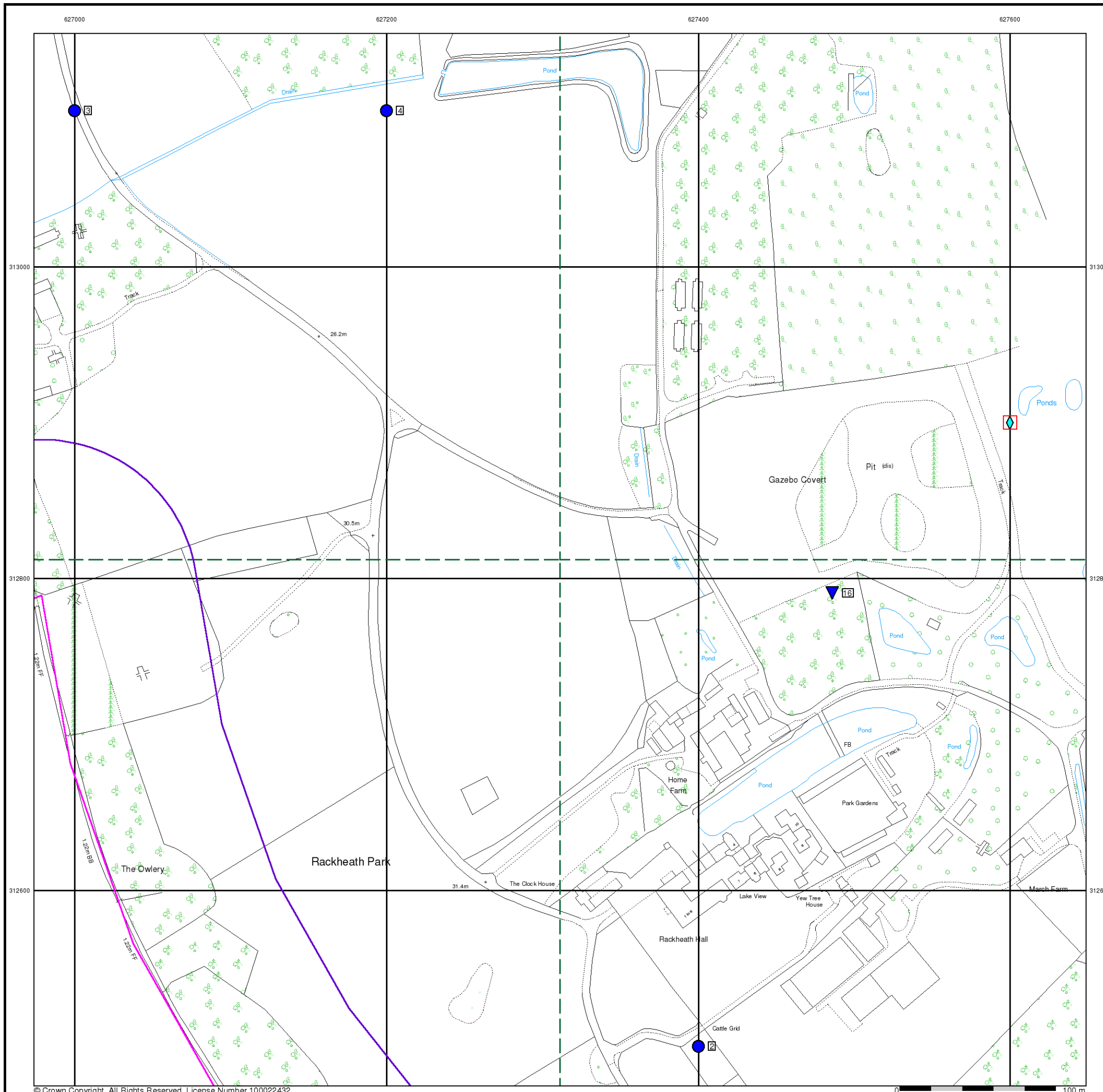


Order Details

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 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
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 Site Area (Ha): 65.82
 Plot Buffer (m): 100

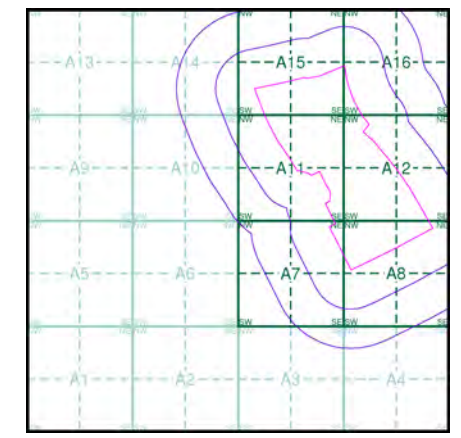
Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
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 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

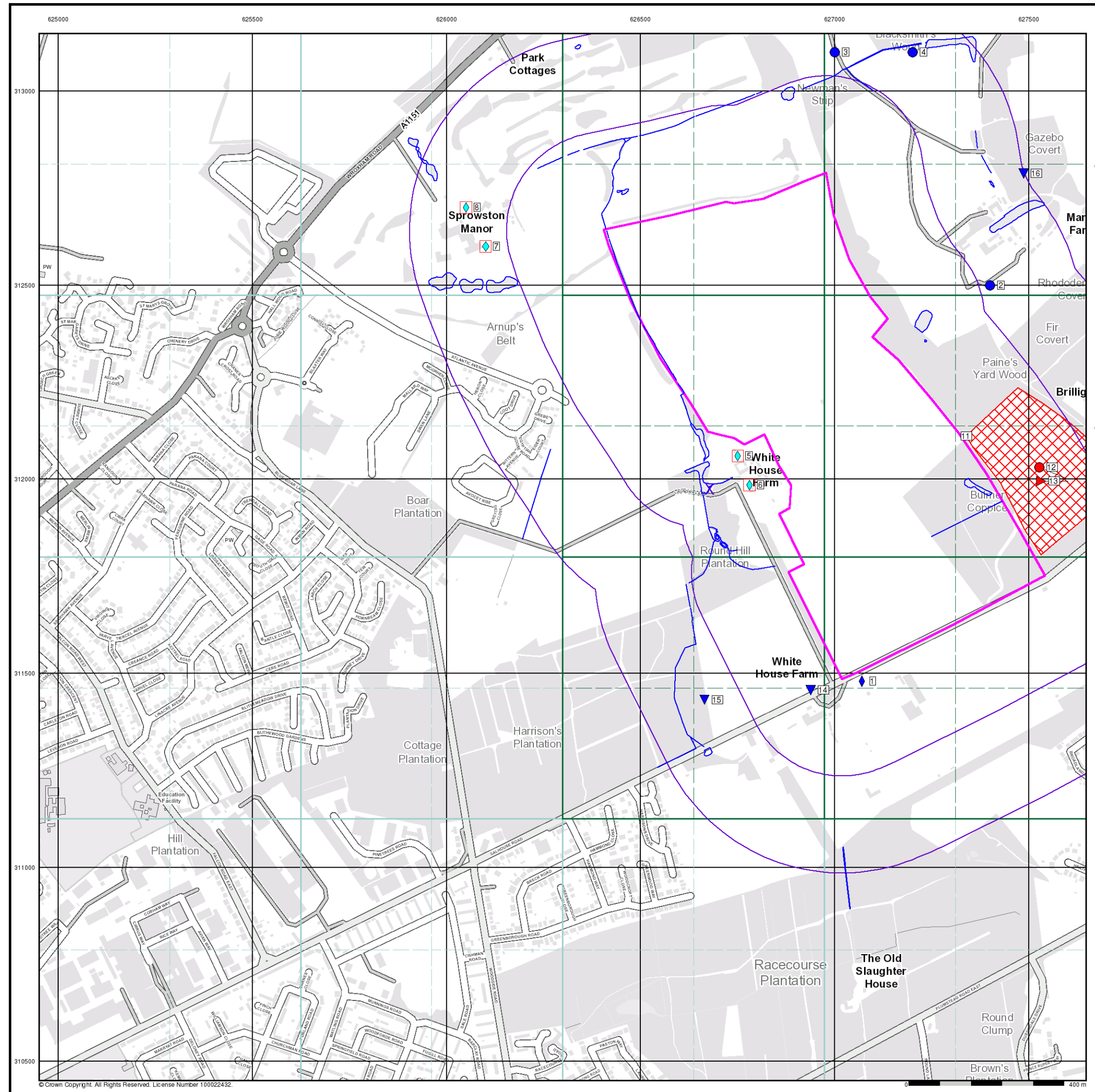
Site Sensitivity Map - Slice A



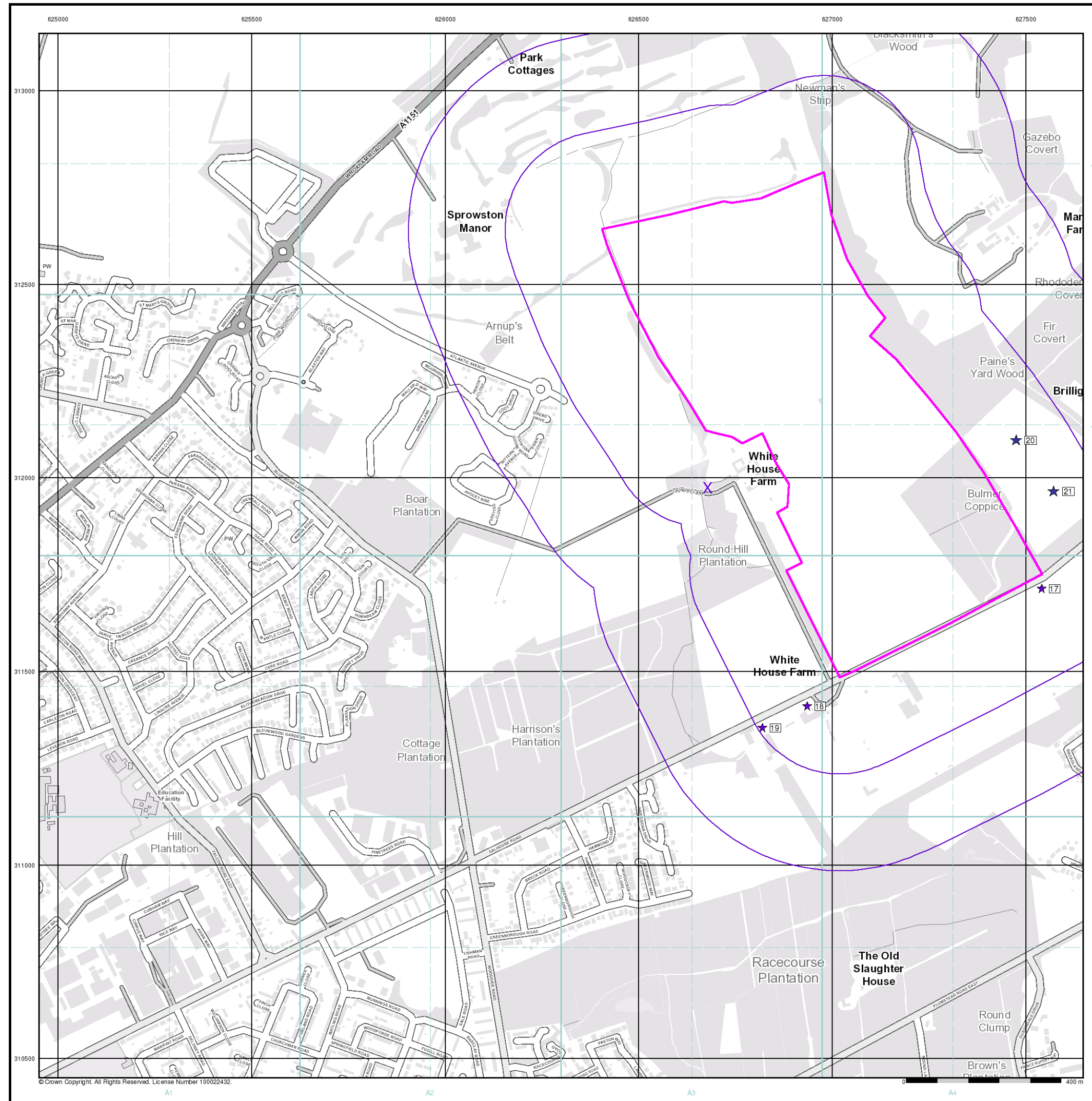
Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details
 White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



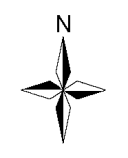
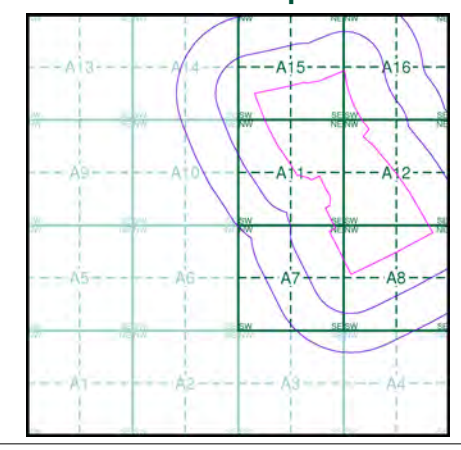
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Industrial Land Use Map

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - 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

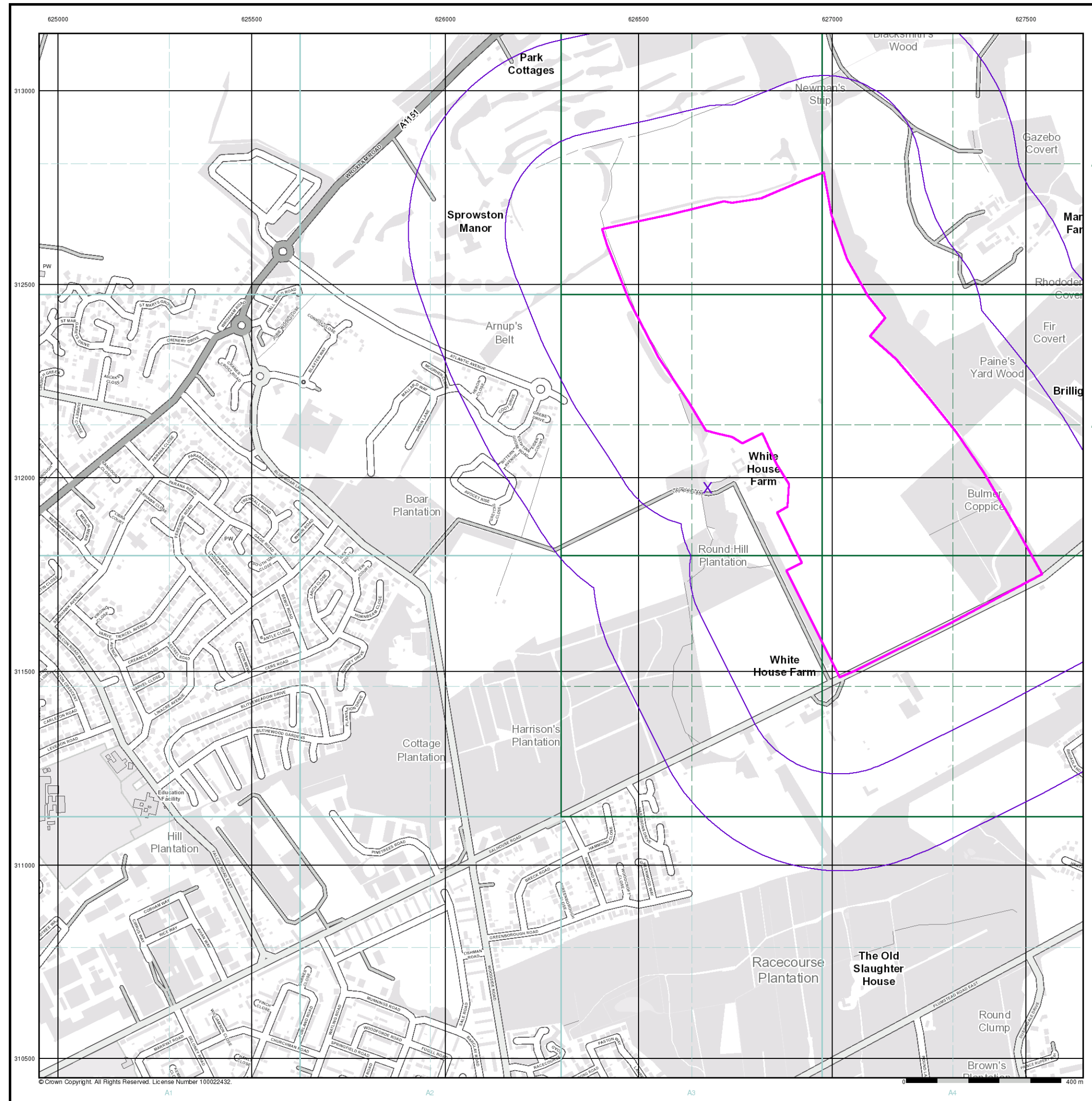
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 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS








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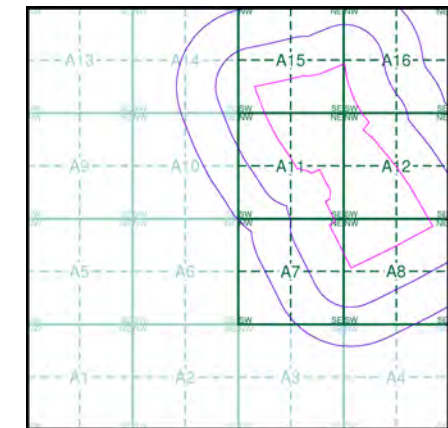
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS

General

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

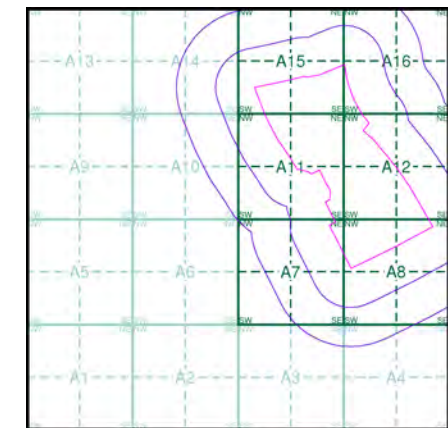
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

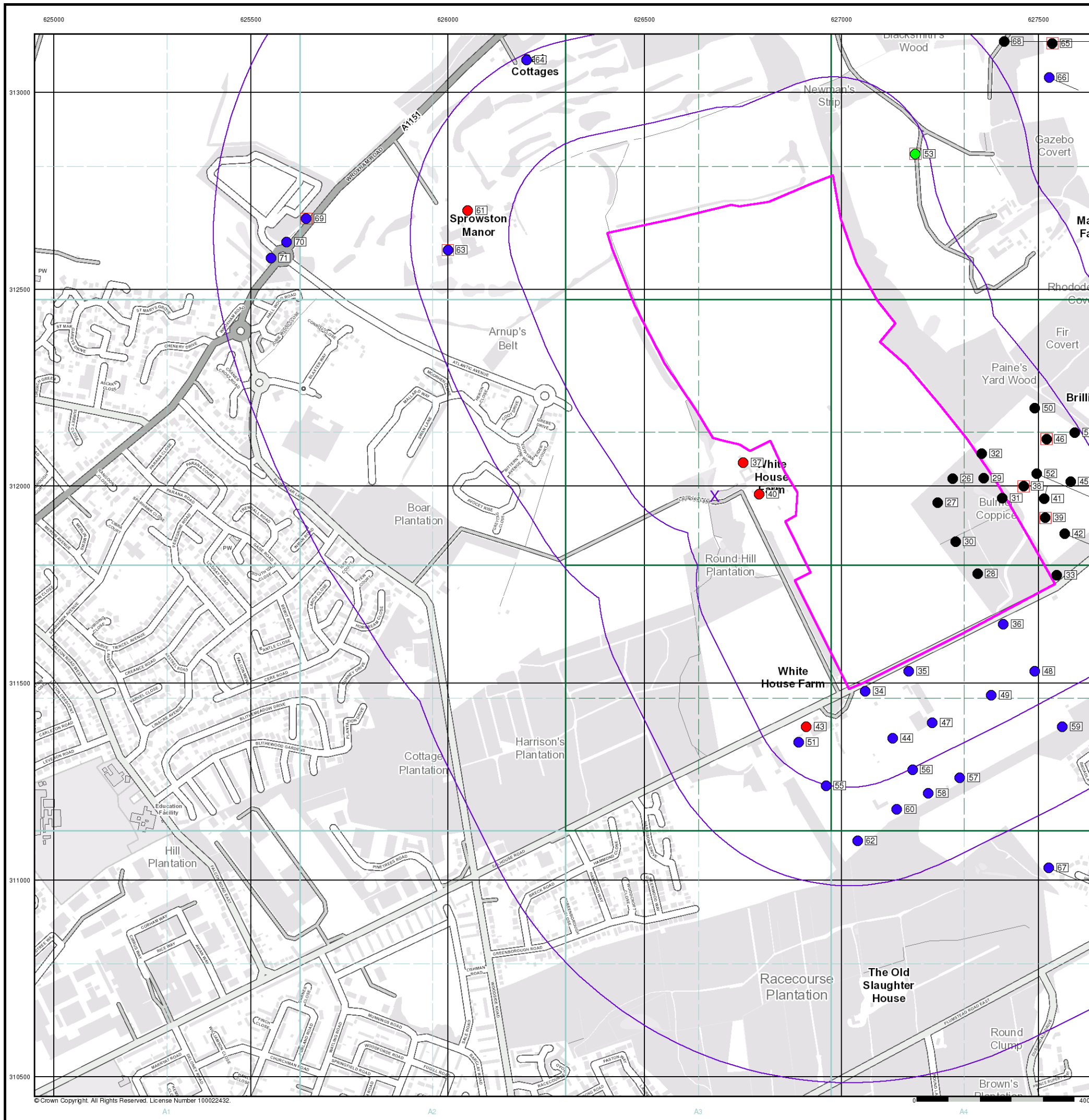


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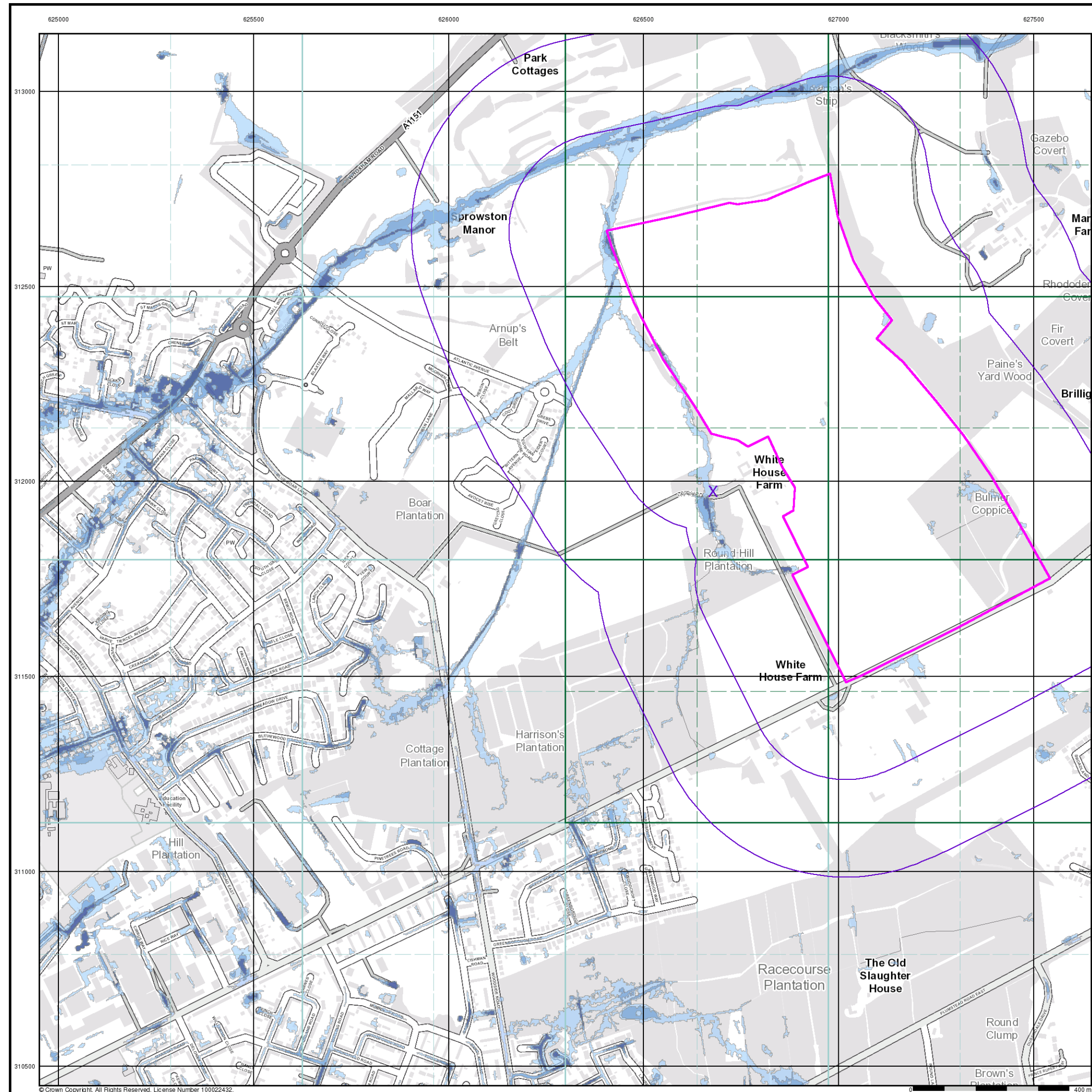
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 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



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General

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

Risk of Flooding from Surface Water

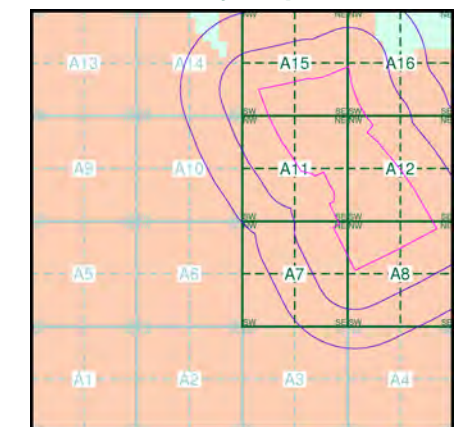
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EANRW Suitability Map - Slice A



Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

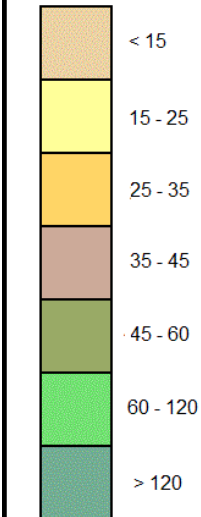
White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS

General

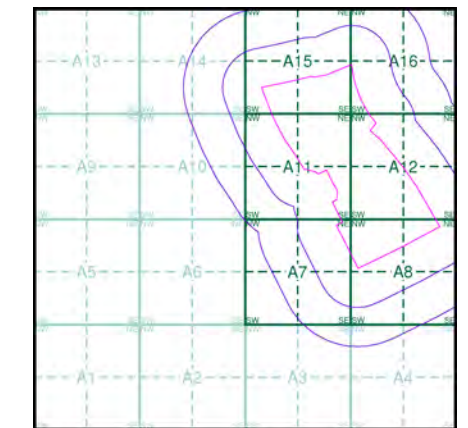
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

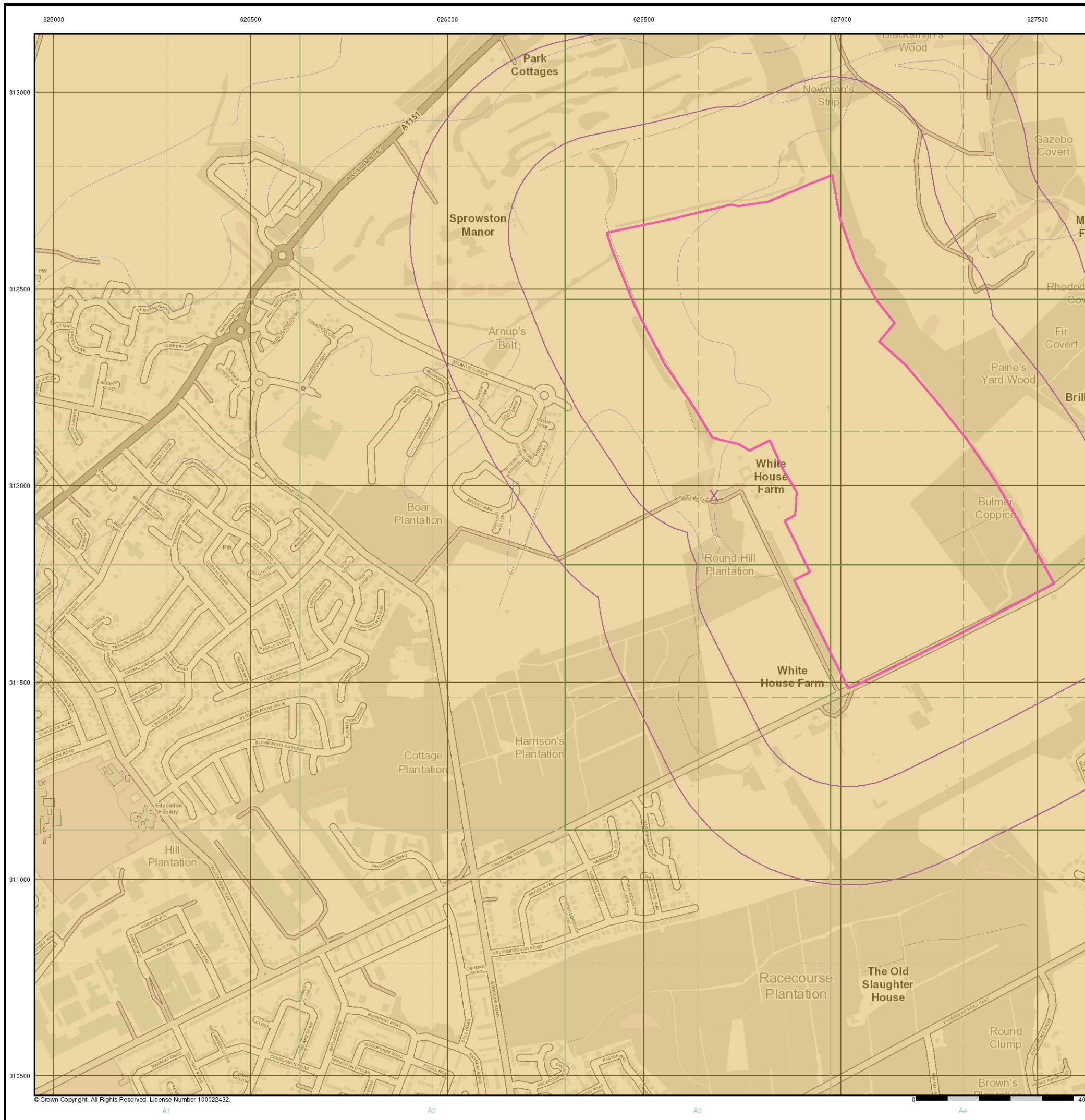


Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS

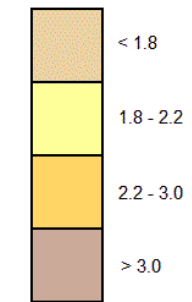


General

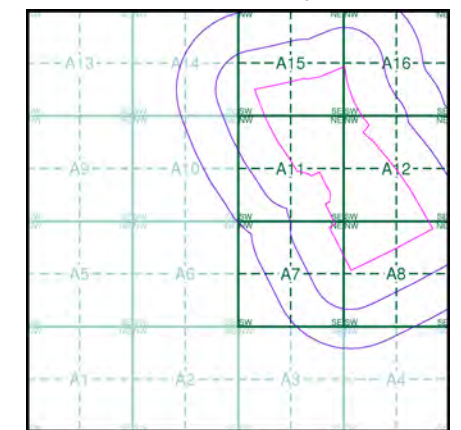
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

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 Slice: A
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Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



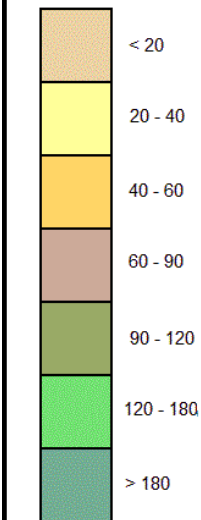
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General

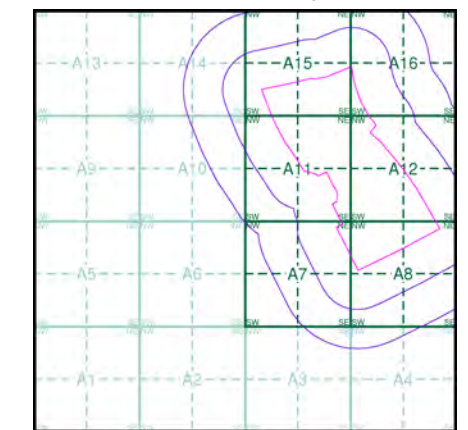
- ⬮ Specified Site
- ⬮ Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

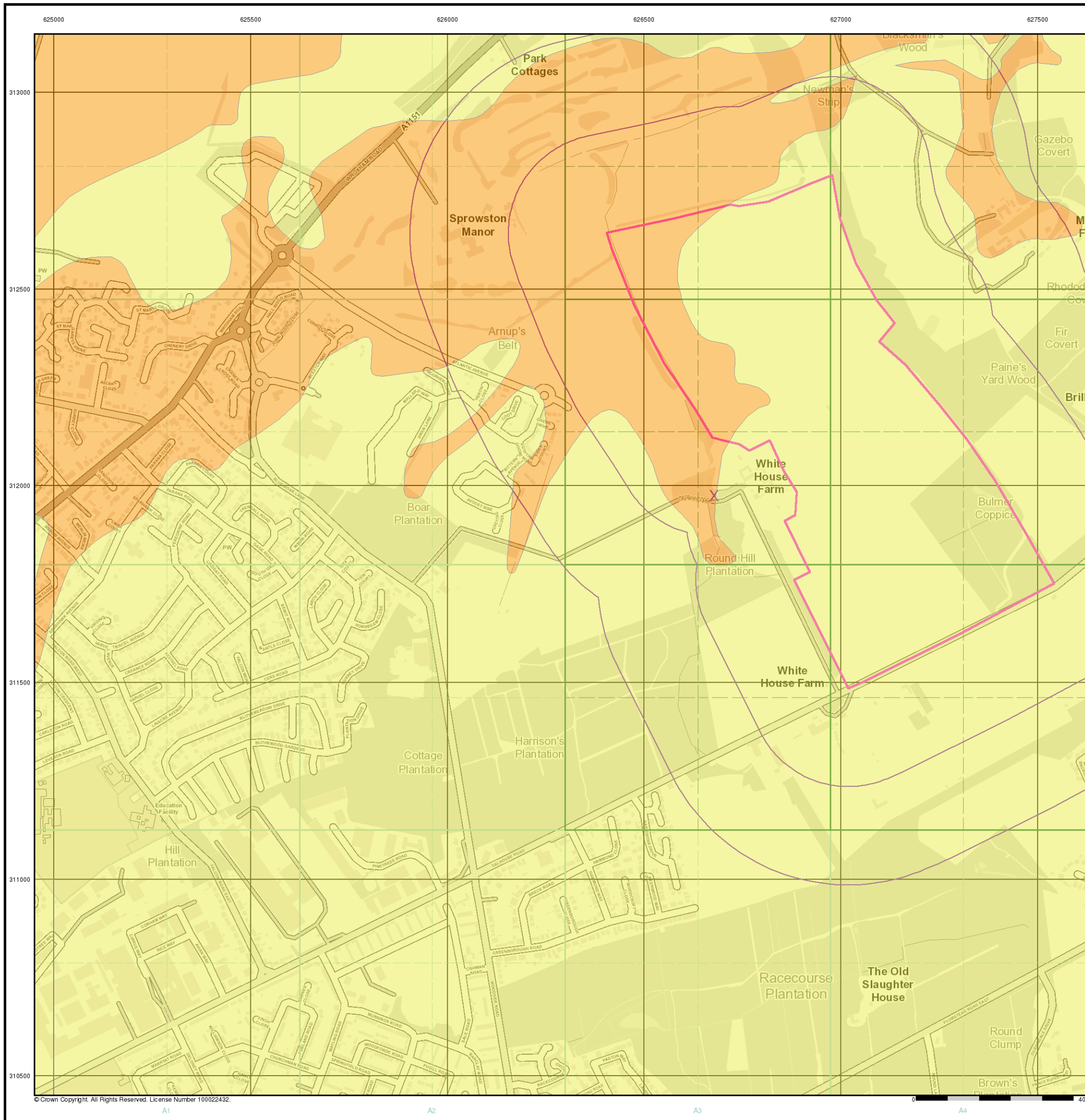


Order Details

Order Details: 123227967_1_1
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 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



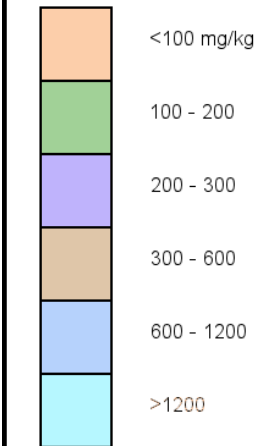
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General

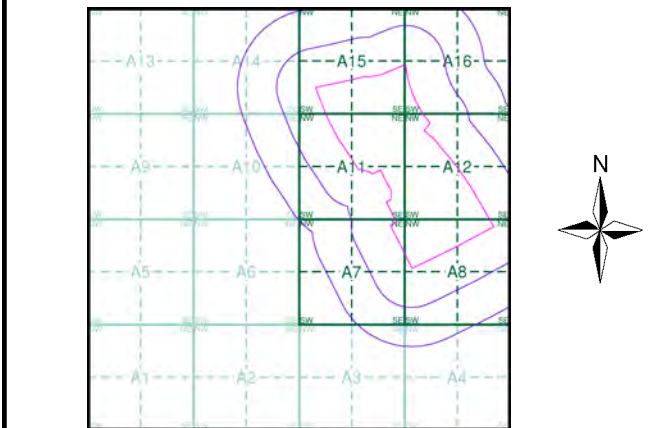
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

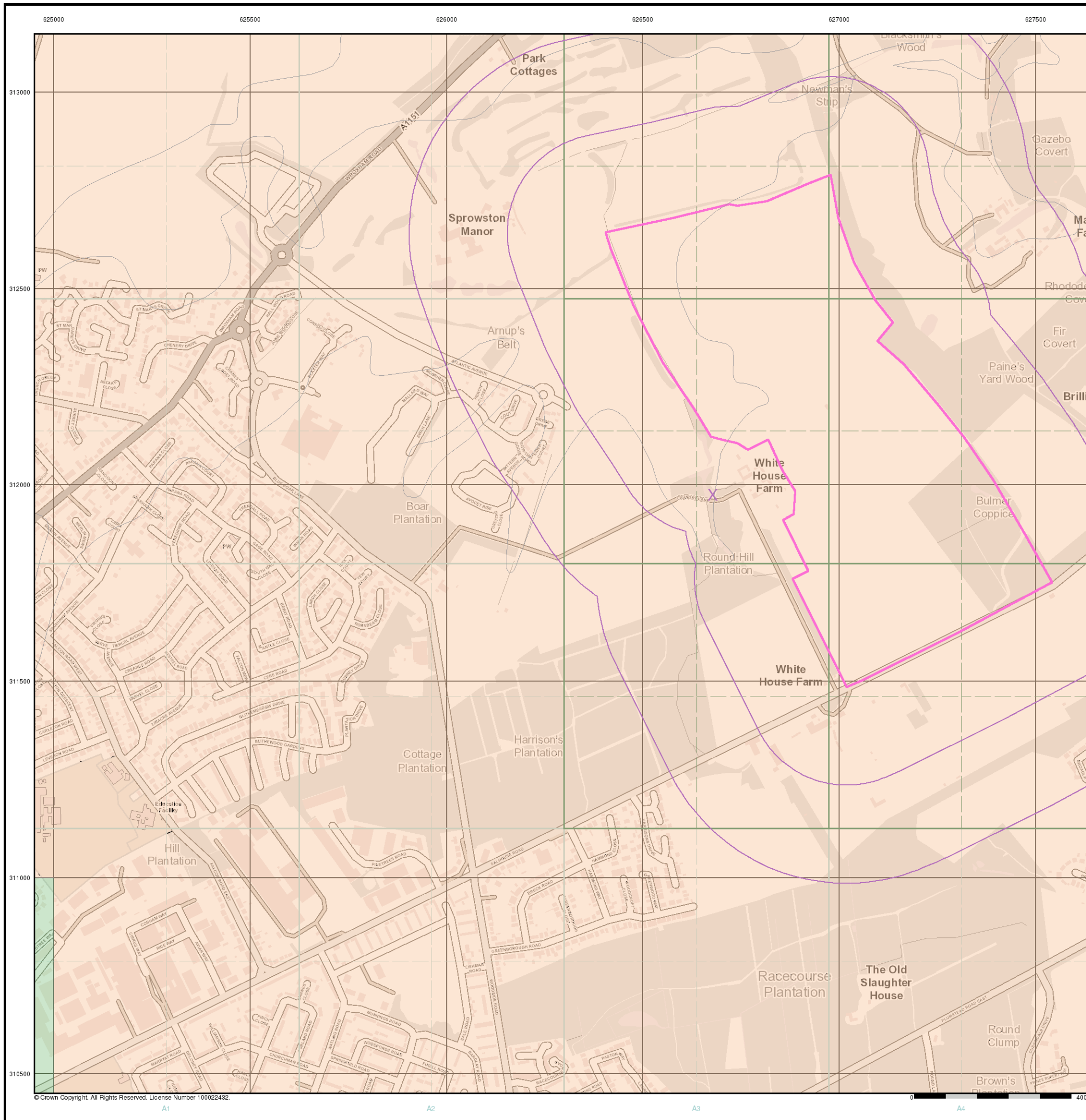


Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



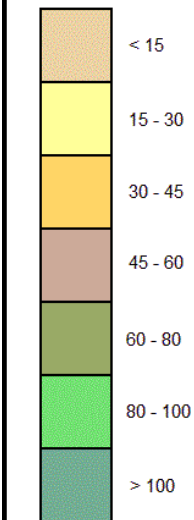
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General

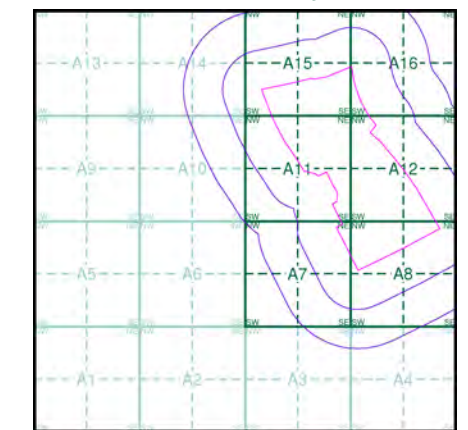
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

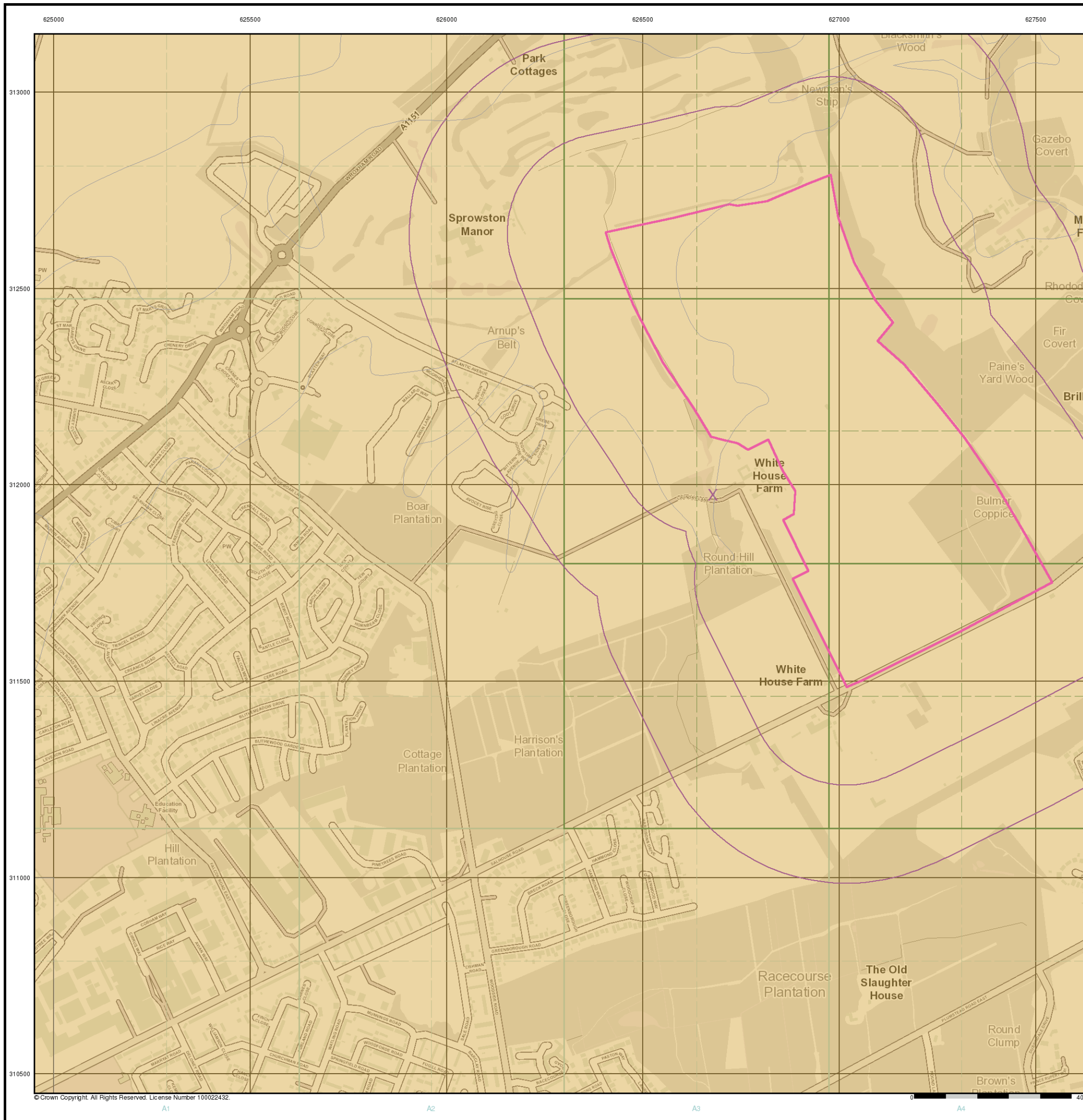


Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

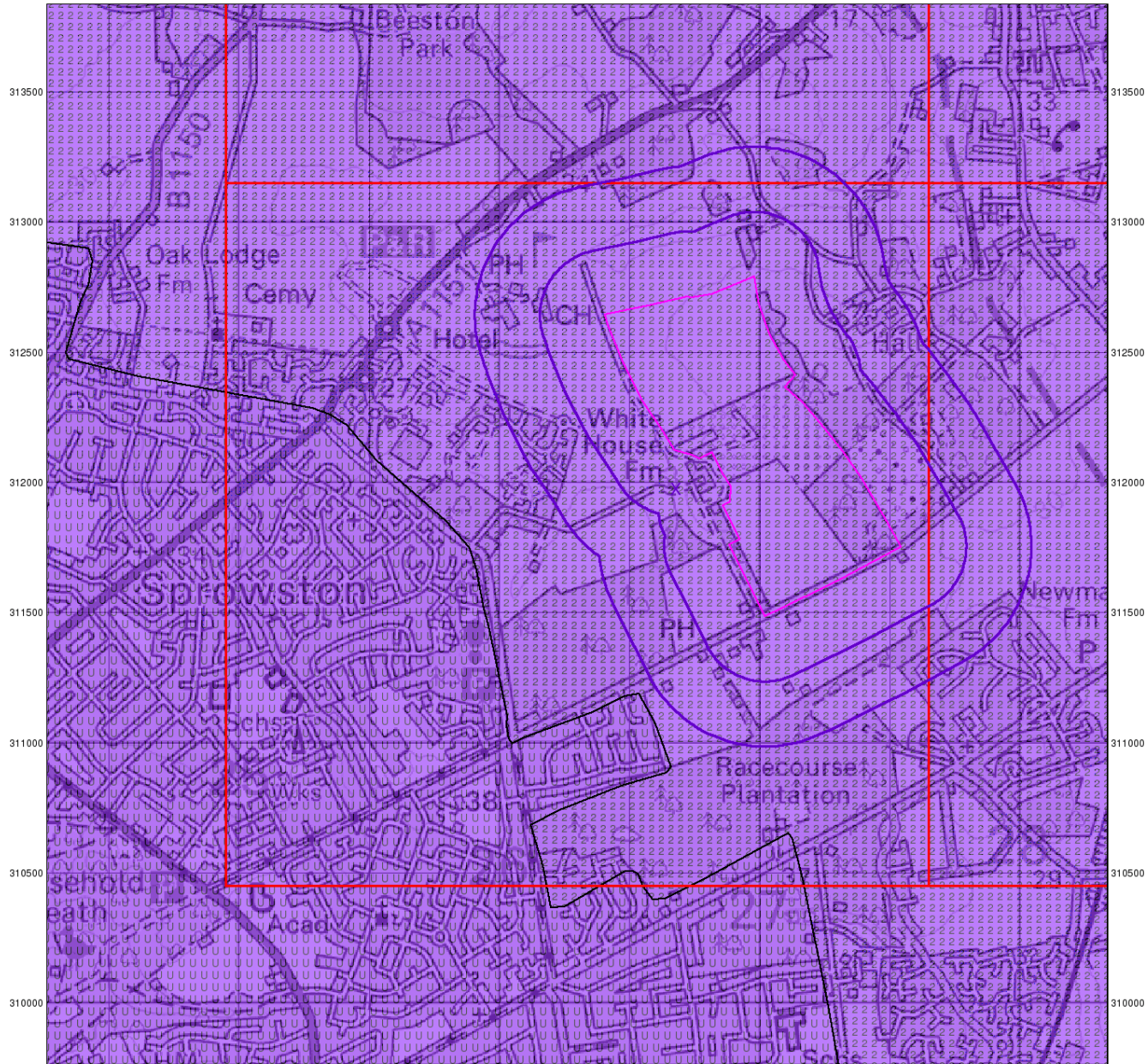
Site Details

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0 1 km



Groundwater Vulnerability

General

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

Agency and Hydrological

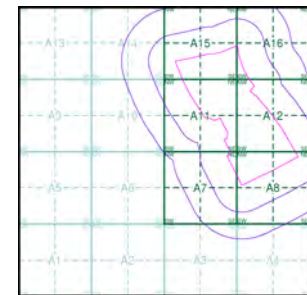
Geological Classes

- Major Aquifer (Highly Permeable)
- Minor Aquifer (Variably Permeable)
- Non Aquifer (Negligibly Permeable)
- Water or Sea
- Drift Deposit

Soil Classes

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low
- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

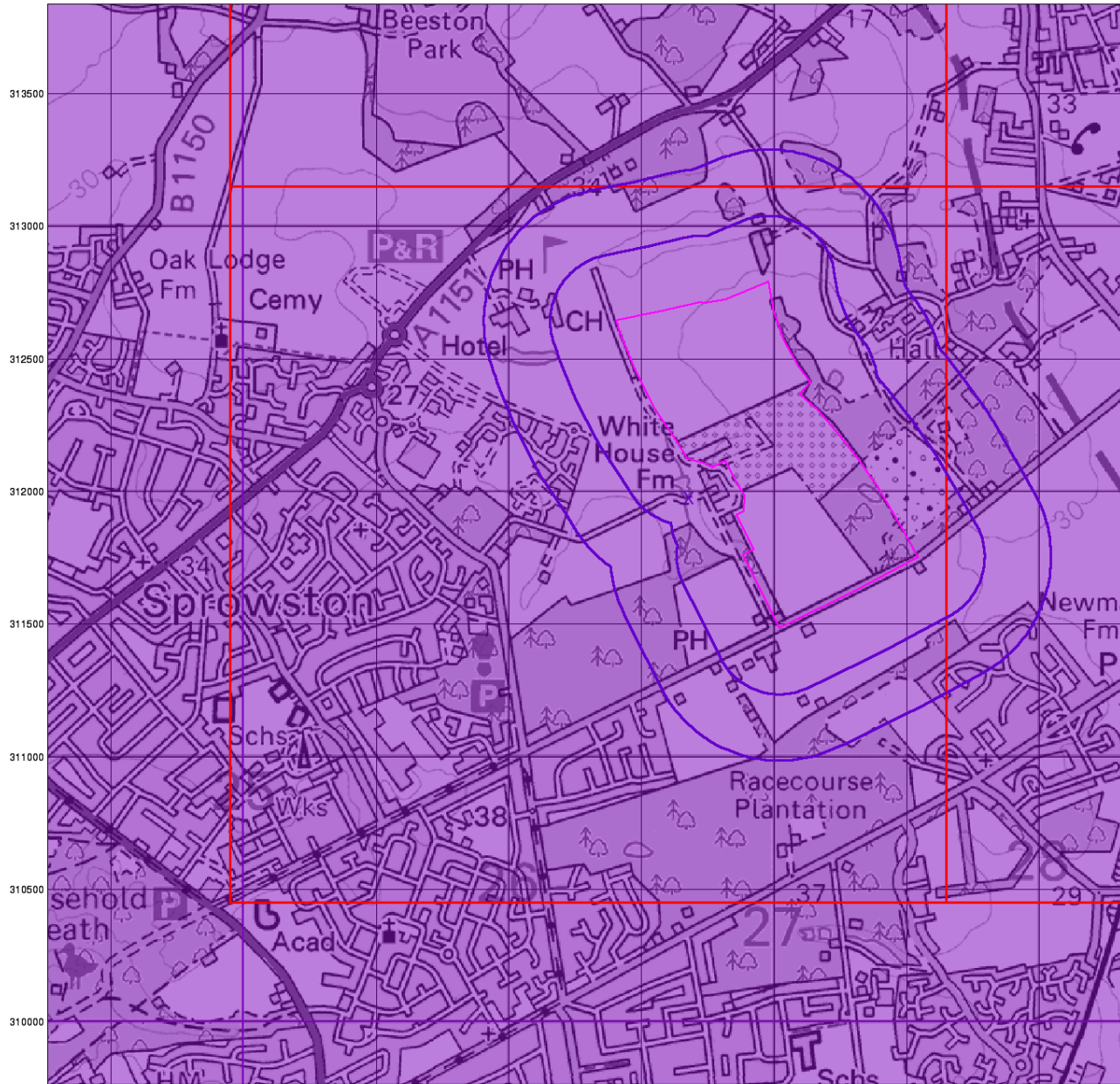
Site Details

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0 1 km



Bedrock Aquifer Designation

General

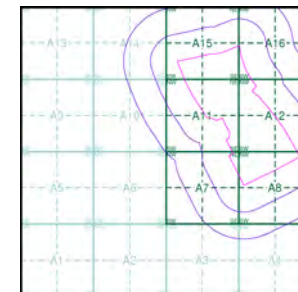
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

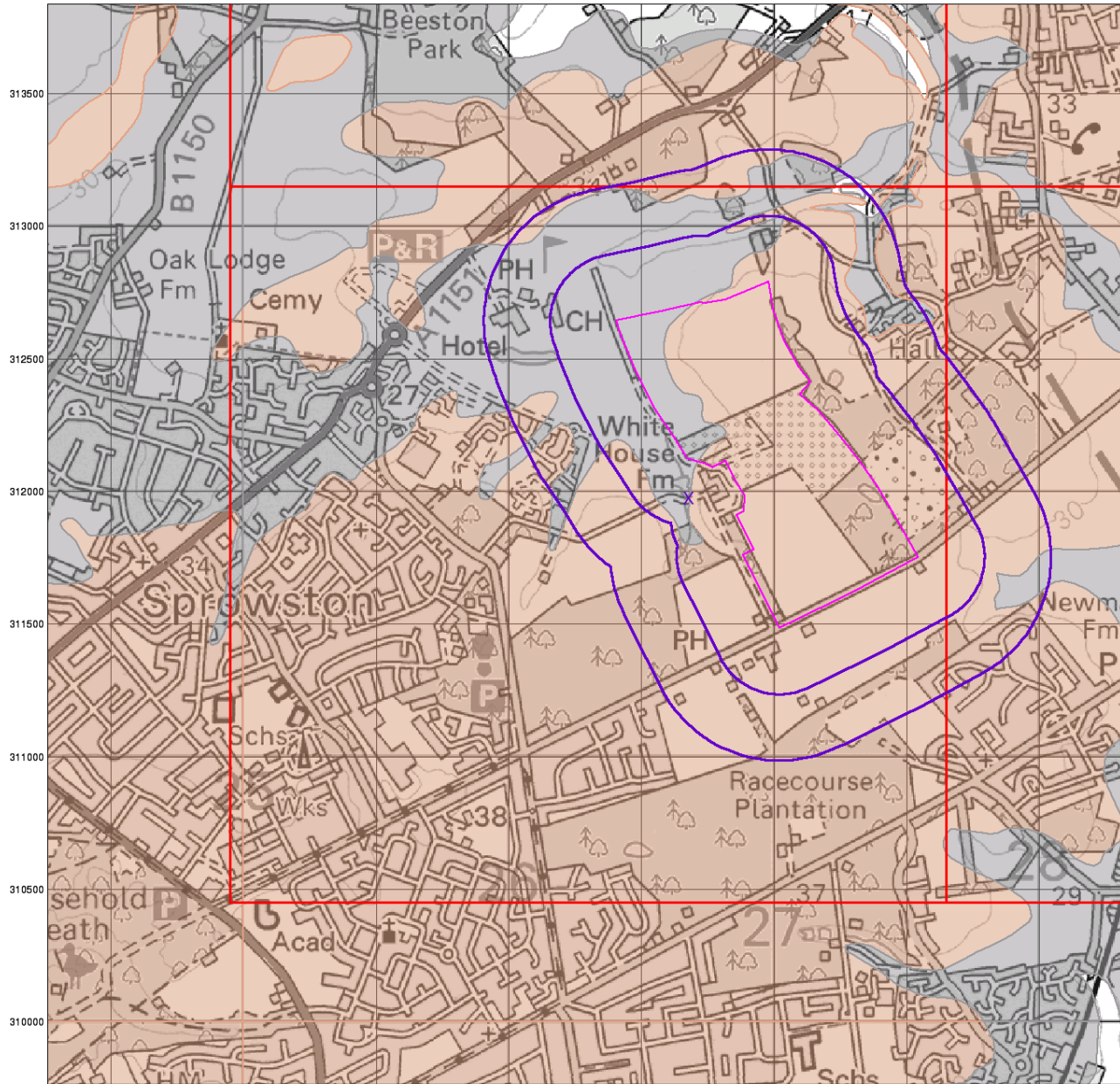
Site Details

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0 1 km



Superficial Aquifer Designation

General

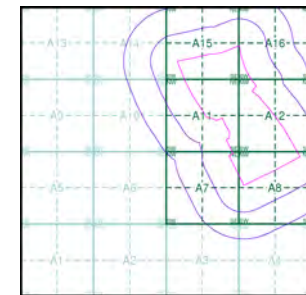
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- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

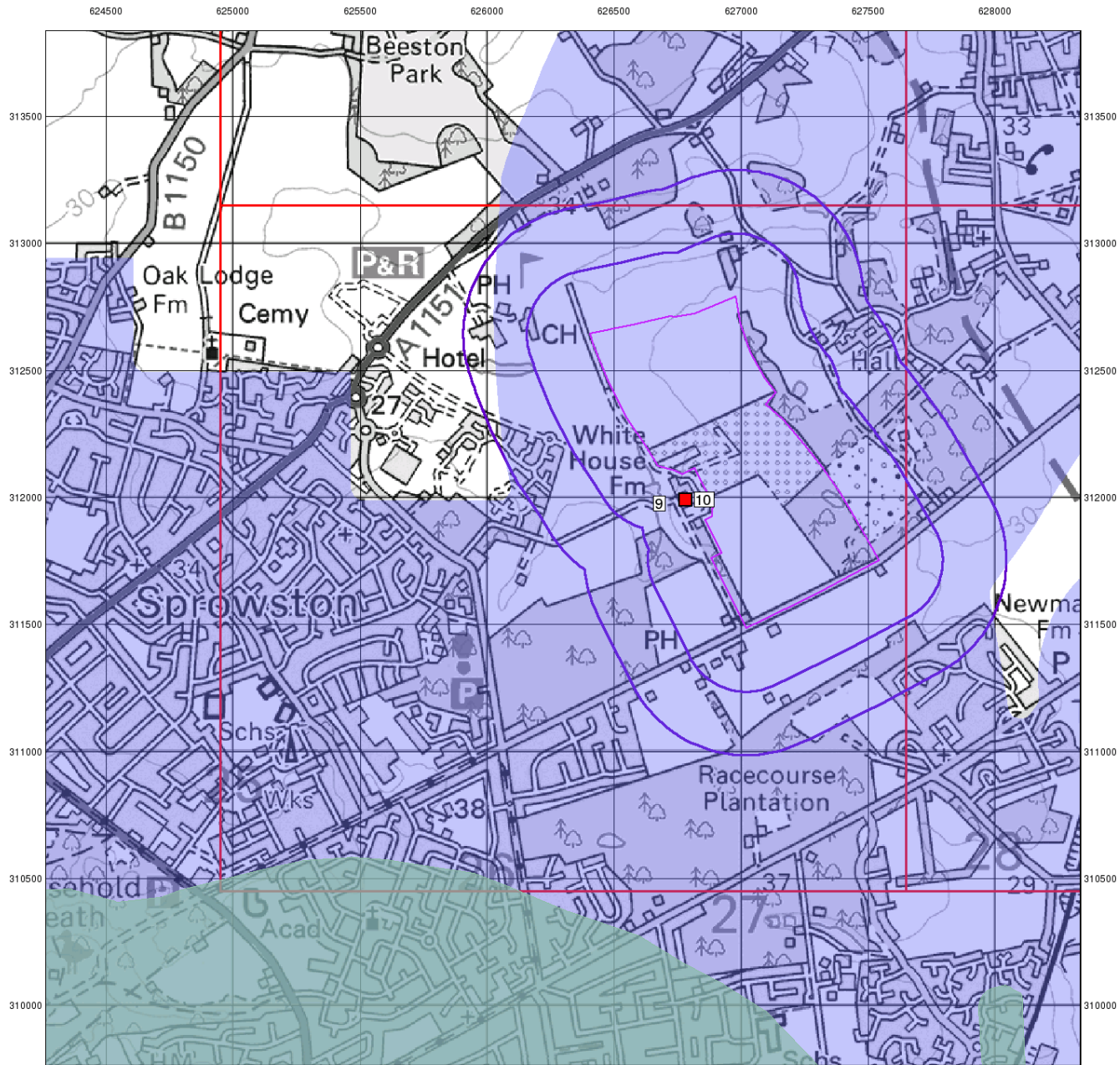
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Site Details

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0 1 km



Source Protection Zones

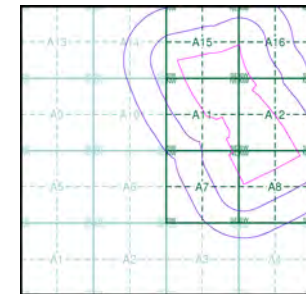
General

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

Agency and Hydrological

- 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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

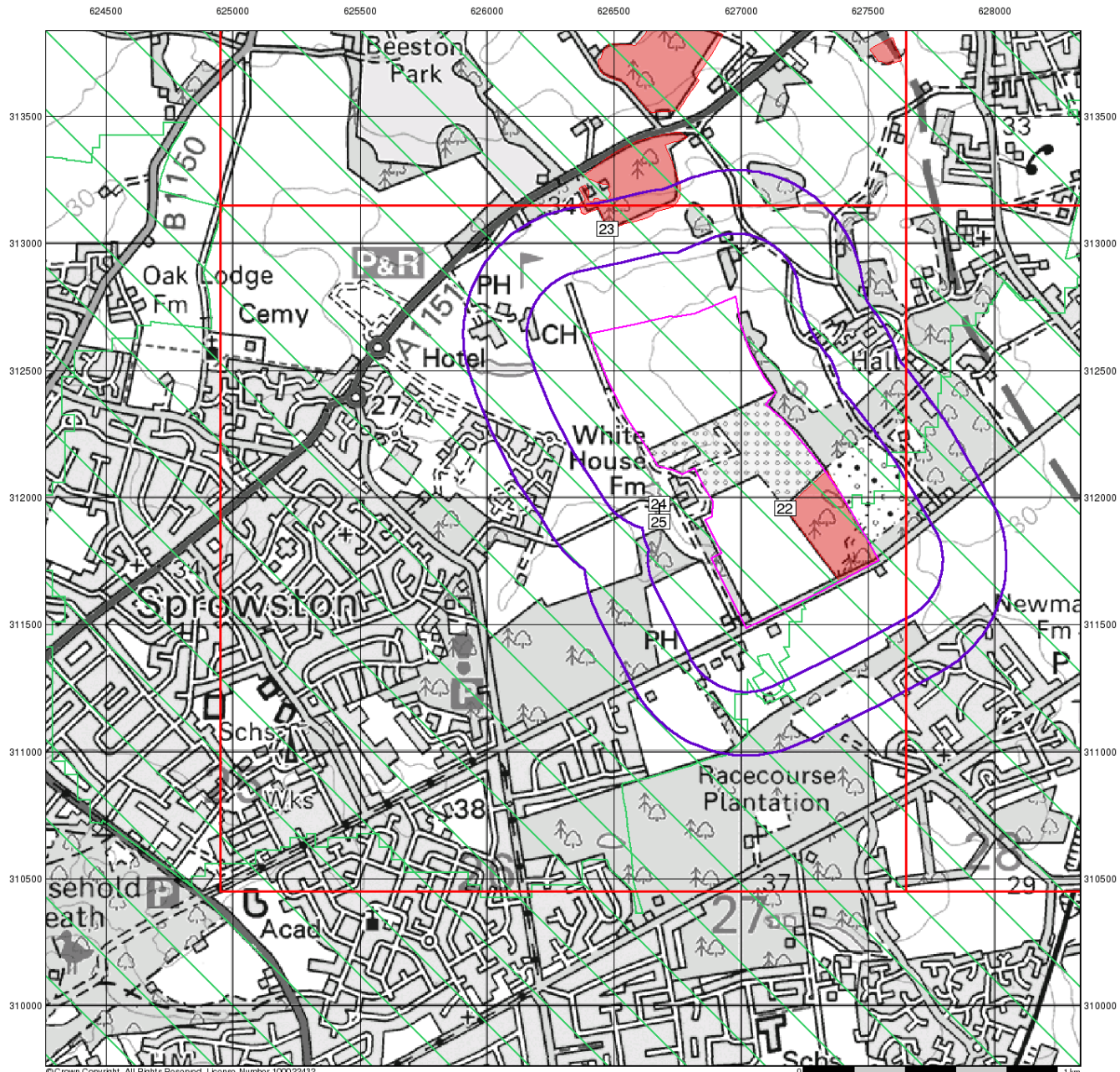
Order Number: 123227967_1_1
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Site Details

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Sensitive Land Uses

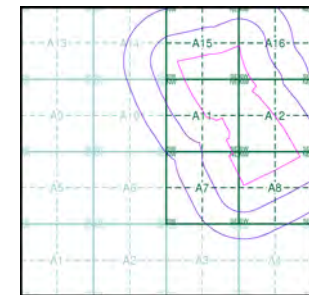
General

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

Sensitive Land Uses

- | | |
|---|---|
| Ancient Woodland | N National Park |
| A Area of Adopted Green Belt | N Nitrate Sensitive Area |
| U Area of Unadopted Green Belt | V Nitrate Vulnerable Zone |
| Area of Outstanding Natural Beauty | R Ramsar Site |
| E Environmentally Sensitive Area | S Site of Special Scientific Interest |
| F Forest Park | S Special Area of Conservation |
| L Local Nature Reserve | P Special Protection Area |
| M Marine Nature Reserve | World Heritage Sites |
| N National Nature Reserve | |

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

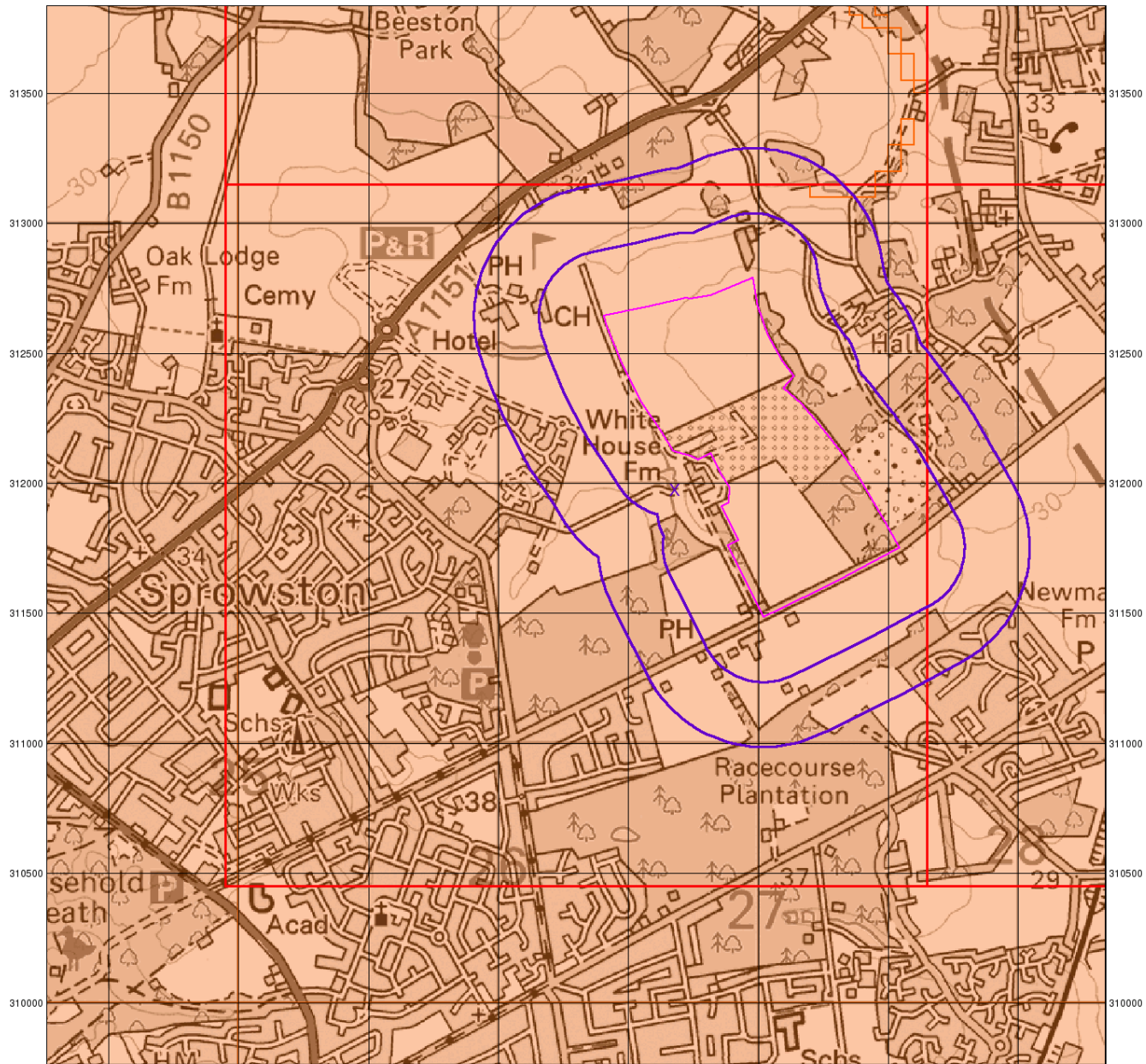
Site Details

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0 1 km



BGS Flood GFS Data

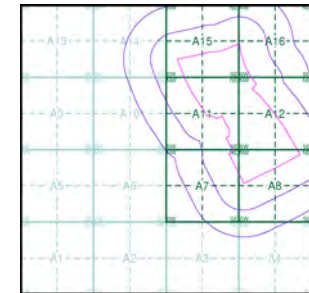
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01
 National Grid Reference: 626680, 311980
 Slice: A
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



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 Fax: 0844 844 9951
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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

123227967_1_1

Customer Reference:

17-0337.01.

National Grid Reference:

628010, 311880

Slice:

B

Site Area (Ha):

65.82

Search Buffer (m):

500

Site Details:

White Land Parcels R5-R10

Sprowston

Norwich

NR7 8RS

Client Details:

Mr D Webb

Delta Simons

3 Henley Office Park

Doddington Road

Lincoln

LN6 3QR

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	2
Hazardous Substances	-
Geological	3
Industrial Land Use	4
Sensitive Land Use	6
Data Currency	7
Data Suppliers	11
Useful Contacts	12

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

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Report Version v50.0

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

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Geological				
BGS 1:625,000 Solid Geology	pg 3	Yes	n/a	n/a
BGS Estimated Soil Chemistry	pg 3	Yes		Yes
BGS Recorded Mineral Sites				
BGS Urban Soil Chemistry				
BGS Urban Soil Chemistry Averages				
CBSCB Compensation District			n/a	n/a
Coal Mining Affected Areas			n/a	n/a
Mining Instability			n/a	n/a
Man-Made Mining Cavities				
Natural Cavities				
Non Coal Mining Areas of Great Britain				n/a
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a
Potential for Compressible Ground Stability Hazards				n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes		n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a
Radon Potential - Radon Affected Areas			n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a
Industrial Land Use				
Contemporary Trade Directory Entries	pg 4			1 (*17)
Fuel Station Entries				
Points of Interest - Commercial Services	pg 5			1
Points of Interest - Education and Health				
Points of Interest - Manufacturing and Production				
Points of Interest - Public Infrastructure				
Points of Interest - Recreational and Environmental				
Gas Pipelines				
Underground Electrical Cables				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Sensitive Land Use				
Ancient Woodland	pg 6	1		
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 6	2		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				
World Heritage Sites				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SE (S)	0	1	628007 311877
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	382	1	627450 313100
	Nearest Surface Water Feature None				
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 26 East Norfolk Scale: 1:100,000	B9SE (S)	0	2	628007 311877
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 26 East Norfolk Scale: 1:100,000	(W)	0	2	626753 312187
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B9SE (S)	0	1	628007 311877
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	1	626819 312212
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B9SE (S)	0	1	628007 311877
1	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	B9SE (S)	0	2	628007 311877
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Licensed Waste Management Facilities (Landfill Boundaries) Name: Rackheath Licence Number: 70444 Location: Salhouse Road, Rackheath, Norwich, Norfolk, NR13 6LA Licence Holder: R M C (H W) No 1 Ltd Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Household, Commercial And Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Closure Issued: 19th December 1988 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B9SW (NW)	10	2	627735 312007
	Local Authority Landfill Coverage Name: Norfolk County Council - Has supplied landfill data		0	4	628007 311877
	Local Authority Landfill Coverage Name: Broadland District Council - Has no landfill data to supply		0	3	628007 311877
3	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B9SW (N)	456	-	627982 312004

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Neogene To Quaternary Rocks (Undifferentiated)	B9SE (S)	0	1	628007 311877
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	B9SE (S)	0	1	628007 311877
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	B5NE (S)	305	1	628028 311775
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	628007 311877
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	628007 311877
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	628007 311877
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	628007 311877
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	628007 311877
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	628007 311877
	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	B9SE (S)	0	1	628007 311877
	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	B9SE (S)	0	1	628007 311877

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Contemporary Trade Directory Entries</p> <p>Name: Servotek Cnc Location: 16, Padgate, Thorpe End, Norwich, NR13 5DG Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B5SW (S)	467	-	627892 311444
	<p>Contemporary Trade Directory Entries</p> <p>Name: Thorpe End Motor Co Location: 77, Plumstead Road, Thorpe End, Norwich, NR13 5AJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B5SE (S)	782	-	628076 311182
	<p>Contemporary Trade Directory Entries</p> <p>Name: Thorpe End Garage Location: 77, Plumstead Road, Thorpe End, Norwich, NR13 5AJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B5SE (S)	782	-	628076 311182
	<p>Contemporary Trade Directory Entries</p> <p>Name: Colins Cars Location: 77, Plumstead Road, Thorpe End, Norwich, NR13 5AJ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B5SE (S)	782	-	628076 311182
	<p>Contemporary Trade Directory Entries</p> <p>Name: Thorpe End Garage Location: 77, Plumstead Road, Thorpe End, NORWICH, NR13 5AJ Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address</p>	B5SE (S)	782	-	628076 311182
	<p>Contemporary Trade Directory Entries</p> <p>Name: The Aga Shop Location: 73c-73d, Plumstead Road, Thorpe End, Norwich, NR13 5AJ Classification: Cookers - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address</p>	B5SE (S)	784	-	628054 311158
	<p>Contemporary Trade Directory Entries</p> <p>Name: Classic Car Restoration Location: Unit 2, Newman Road, Rackheath, Norwich, NR13 6PN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B13SW (N)	854	-	627902 312791
	<p>Contemporary Trade Directory Entries</p> <p>Name: G Nicholls (Nicholls), High's Corner, Plumstead Road, Thorpe End, NORWICH, NR13 5BE Classification: Concrete Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B1NW (S)	864	-	627738 310877
	<p>Contemporary Trade Directory Entries</p> <p>Name: Office Furniture Scene Location: 23a, Mahoney Green, Green Lane West, Rackheath, Norwich, NR13 6JY Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	B13NW (N)	949	-	627910 312970
	<p>Contemporary Trade Directory Entries</p> <p>Name: Aeronchairuk.Com Location: 23a, Mahoney Green, Green Lane West, Rackheath, Norwich, NR13 6JY Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	B13NW (N)	949	-	627910 312970
	<p>Contemporary Trade Directory Entries</p> <p>Name: Bluespace Location: 23a, Mahoney Green, Rackheath, Norwich, NR13 6JY Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	B13NW (N)	951	-	627912 312971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries Name: West Wending Digital Location: 1, Lawn Crescent, Thorpe End, NORWICH, NR13 5BP Classification: Photo & Digital Imaging Bureaus Status: Inactive Positional Accuracy: Automatically positioned to the address	B1NE (S)	951	-	628191 311057
	Contemporary Trade Directory Entries Name: Buy In Confidence Location: Unit 19 Mahoney Green, Green Lane West, Rackheath, Norwich, Norfolk, NR13 6JY Classification: Cosmetic Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	B13NW (N)	972	-	627950 312945
	Contemporary Trade Directory Entries Name: Ceka Office Furniture Systems Ltd Location: 17, Mahoney Green, Green Lane West, Rackheath, Norwich, NR13 6JY Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	B13NW (N)	985	-	627964 312946
	Contemporary Trade Directory Entries Name: Office Furniture Co Ltd Location: 17, Mahoney Green, Rackheath, Norwich, NR13 6JY Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	B13NW (N)	985	-	627964 312946
	Contemporary Trade Directory Entries Name: Dan Wright Vehicle Services Ltd Location: 7, Mahoney Green, Rackheath, Norwich, NR13 6JY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	B13NW (N)	997	-	627944 313036
	Contemporary Trade Directory Entries Name: Direct Catering Location: 9, Mahoney Green, Rackheath, Norwich, NR13 6JY Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	B13NW (N)	998	-	627953 313003
	Contemporary Trade Directory Entries Name: F D A Packaging Machinery Location: 11, Mahoney Green, Green Lane West, Rackheath, NORWICH, NR13 6JY Classification: Packaging & Wrapping Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	B13NW (N)	998	-	627955 312993
5	Points of Interest - Commercial Services Name: Murdoch Cryogenic Logistics Ltd Location: 6 Northgate, Thorpe End, Norwich, NR13 5DH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	B5SW (S)	477	5	627844 311383

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Ancient Woodland Name: Bulmer Coppice Reference: 1115708 Area(m ²): 75400.67 Type: Plantation on Ancient Woodland	(W)	0	6	627544 311749
7	Nitrate Vulnerable Zones Name: Not Supplied Description: Groundwater Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B9SE (S)	0	7	628007 311877
8	Nitrate Vulnerable Zones Name: Not Supplied Description: Eutrophic Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	(W)	0	7	627625 312025

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Broadland District Council - Environmental Health Department	April 2014	Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	January 2017	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	January 2017	Quarterly
Local Authority Integrated Pollution Prevention And Control Broadland District Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls Broadland District Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Broadland District Council - Environmental Health Department	September 2014	Annual Rolling Update
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	January 2017	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2016	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	January 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	February 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2017	Quarterly

Agency & Hydrological	Version	Update Cycle
Flood Water Storage Areas Environment Agency - Head Office	February 2017	Quarterly
Flood Defences Environment Agency - Head Office	February 2017	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	January 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	August 2016	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	October 2016	Quarterly
Local Authority Landfill Coverage Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste	May 2000 May 2000	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 - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Eastern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste	February 2016 June 2007	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Broadland District Council Norfolk County Council - Planning & Transportation - Minerals & Waste	February 2016 June 2007	Annual Rolling Update Annual Rolling Update
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	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2017	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	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2016	Quarterly
Points of Interest - Education and Health PointX	December 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2016	Quarterly
Points of Interest - Public Infrastructure PointX	December 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2016	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2016	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	January 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	January 2017	Bi-Annually
Marine Nature Reserves Natural England	January 2017	Bi-Annually
National Nature Reserves Natural England	January 2017	Bi-Annually
National Parks Natural England	February 2017	Bi-Annually
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	January 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	January 2017	Bi-Annually
Special Areas of Conservation Natural England	January 2017	Bi-Annually
Special Protection Areas Natural England	January 2017	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	Bi-Annually

A selection of organisations who provide data within this report


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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Broadland District Council Thorpe Lodge, Yarmouth Road, Thorpe St Andrew, Norwich, Norfolk, NR7 0DU	Telephone: 01603 431133 Fax: 01603 700339 Website: www.broadland.gov.uk
4	Norfolk County Council - Planning & Transportation - Minerals & Waste County Hall, Martineau Lane, Norwich, Norfolk, NR1 2DH	Telephone: 0844 800 8020 Fax: 0844 800 8012 Email: information@norfolk.gov.uk Website: www.norfolk.gov.uk
5	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
6	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	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.

Geology 1:50,000 Maps Legends


Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	BRYD	Breydon Formation	Peat [Unlithified Deposits Coding Scheme]	Flandrian - Flandrian
	HPLO	Happisburgh Glacigenic Formation And Lowestoft Formation (Undifferentiated)	Sand and Gravel	Anglian - Anglian
	SMCL	Sheringham Cliffs Formation	Sand and Gravel	Pleistocene - Pleistocene
	HPGL	Happisburgh Glacigenic Formation	Diamicton	Pleistocene - Pleistocene
	HPGL	Happisburgh Glacigenic Formation	Sand and Gravel	Pleistocene - Pleistocene
	BRK	Brickearth	Clay, Silt and Sand	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CRAG	Crag Group	Sand and Gravel	Pleistocene - Pliocene



Geology 1:50,000 Maps

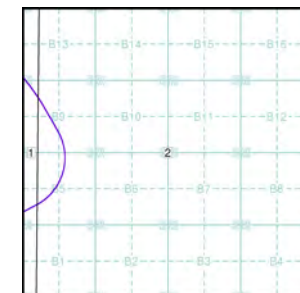
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	1	Map ID:	2
Map Sheet No:	161	Map Sheet No:	162
Map Name:	Norwich	Map Name:	Great Yarmouth
Map Date:	1975	Map Date:	1991
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Not Available	Landslip:	Not Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice B



Order Details:

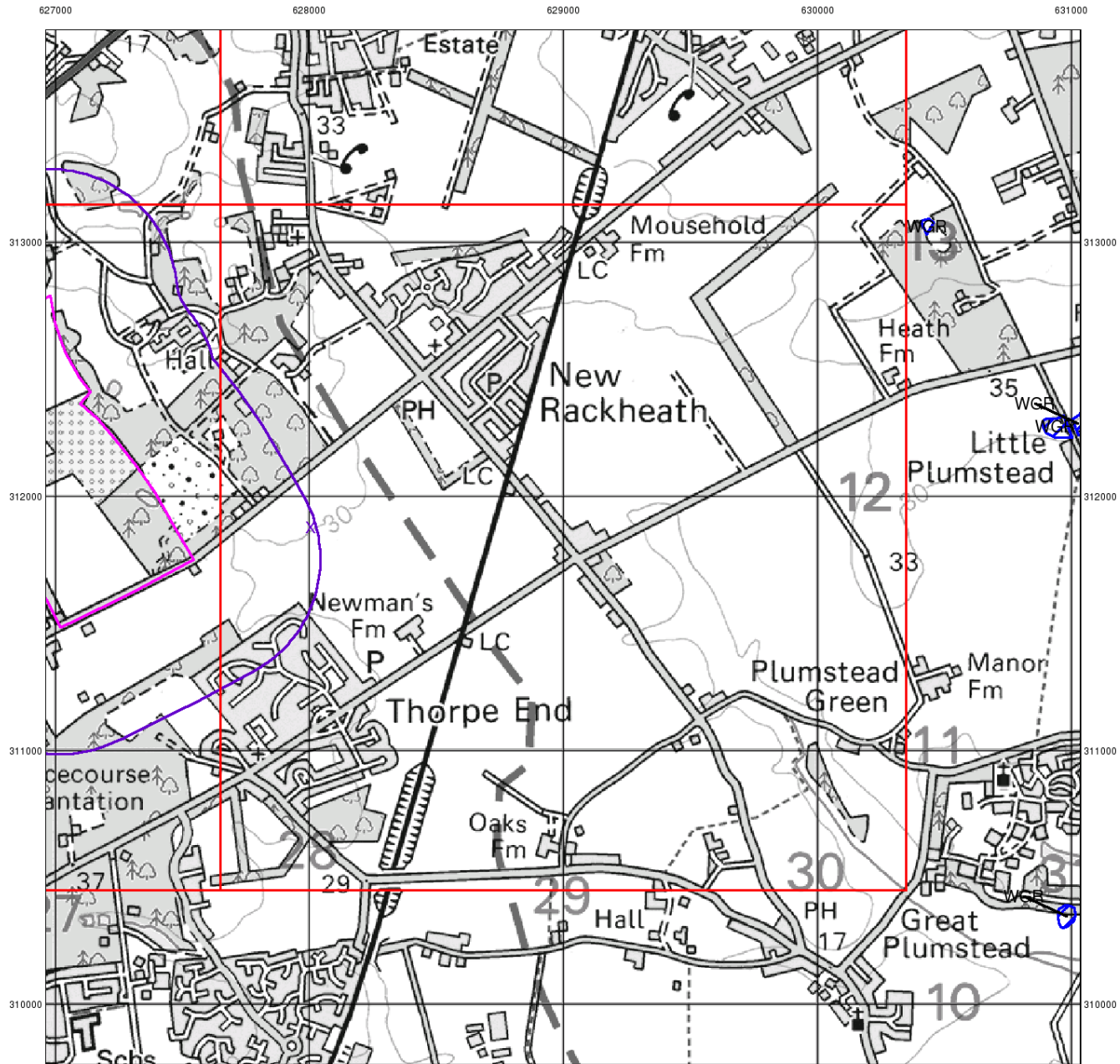
Order Number:	123227967_1_1
Customer Reference:	17-0337.01
National Grid Reference:	628010, 311880
Slice:	B
Site Area (Ha):	65.82
Search Buffer (m):	500

Site Details:

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



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



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Artificial Ground and Landslip

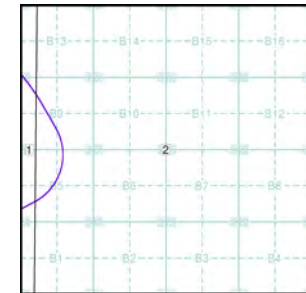
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice B



Order Details:

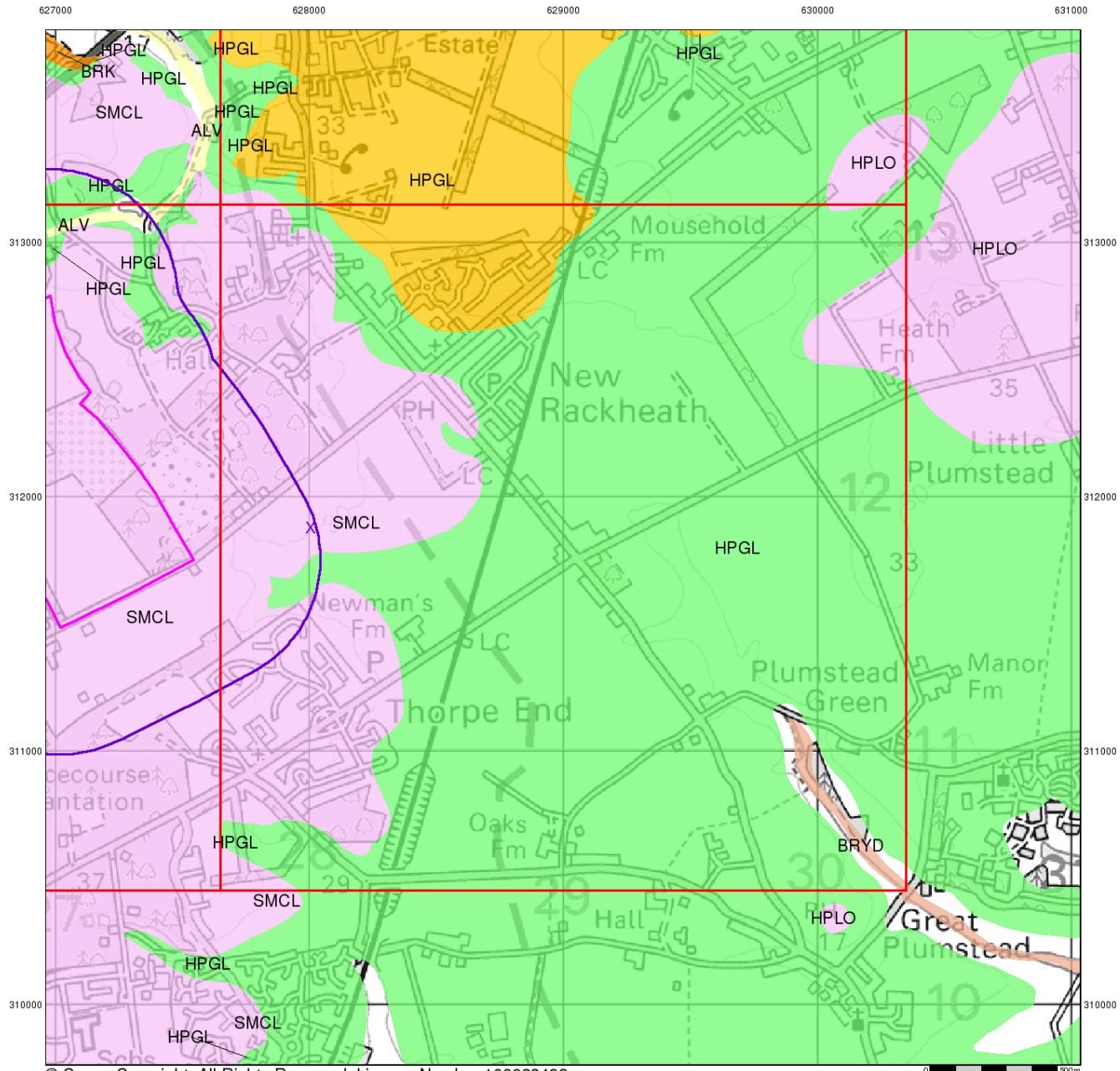
Order Number: 123227967_1_1
 Customer Reference: 17-0337.01
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
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Site Details:

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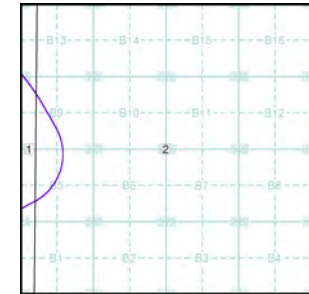
Superficial Geology

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

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

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

Superficial Geology Map - Slice B



Order Details:

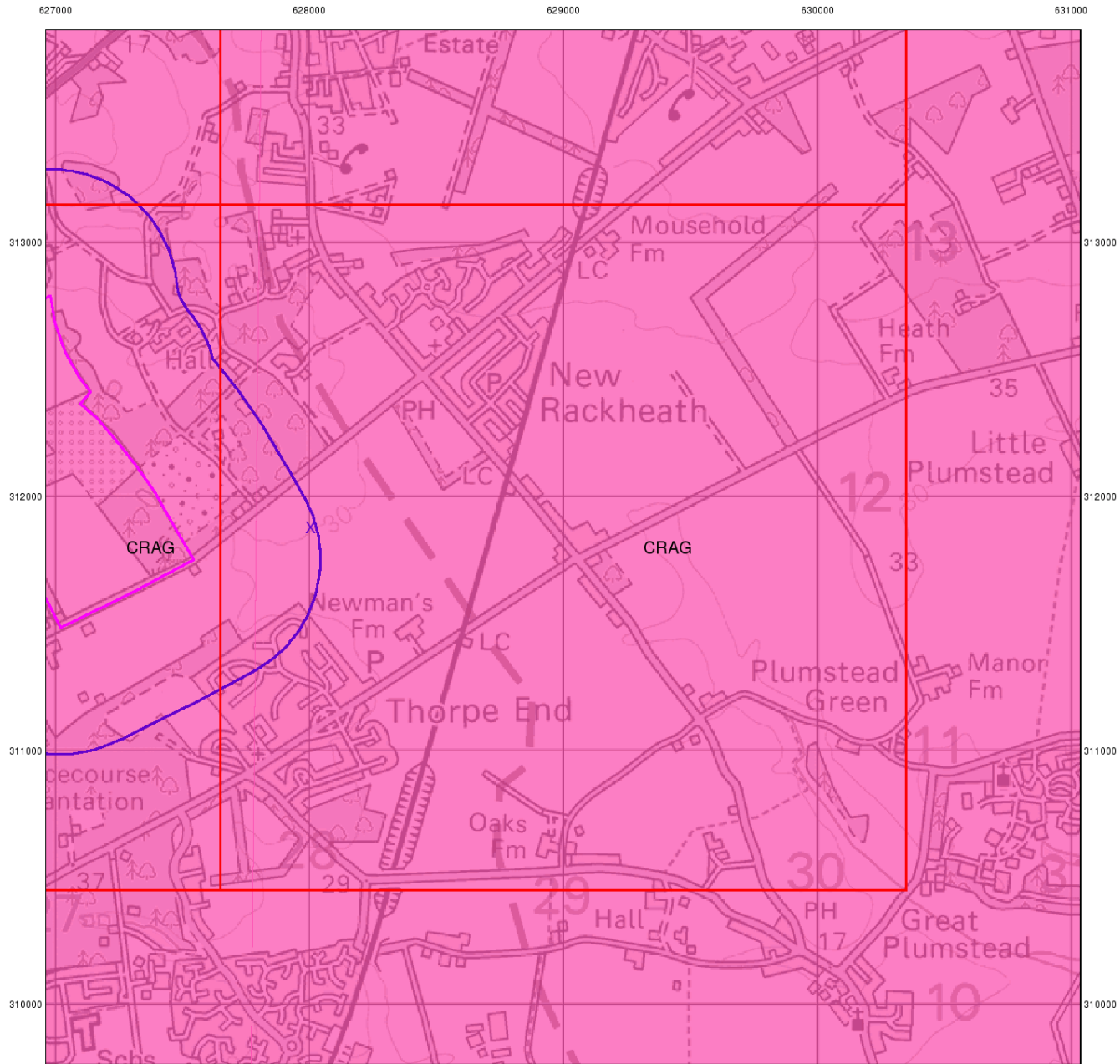
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 Customer Reference: 17-0337.01
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details:

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Bedrock and Faults

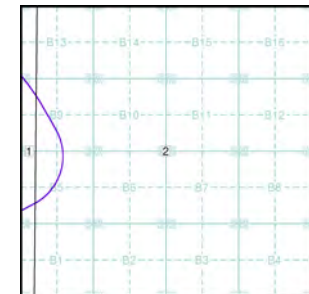
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice B



Order Details:

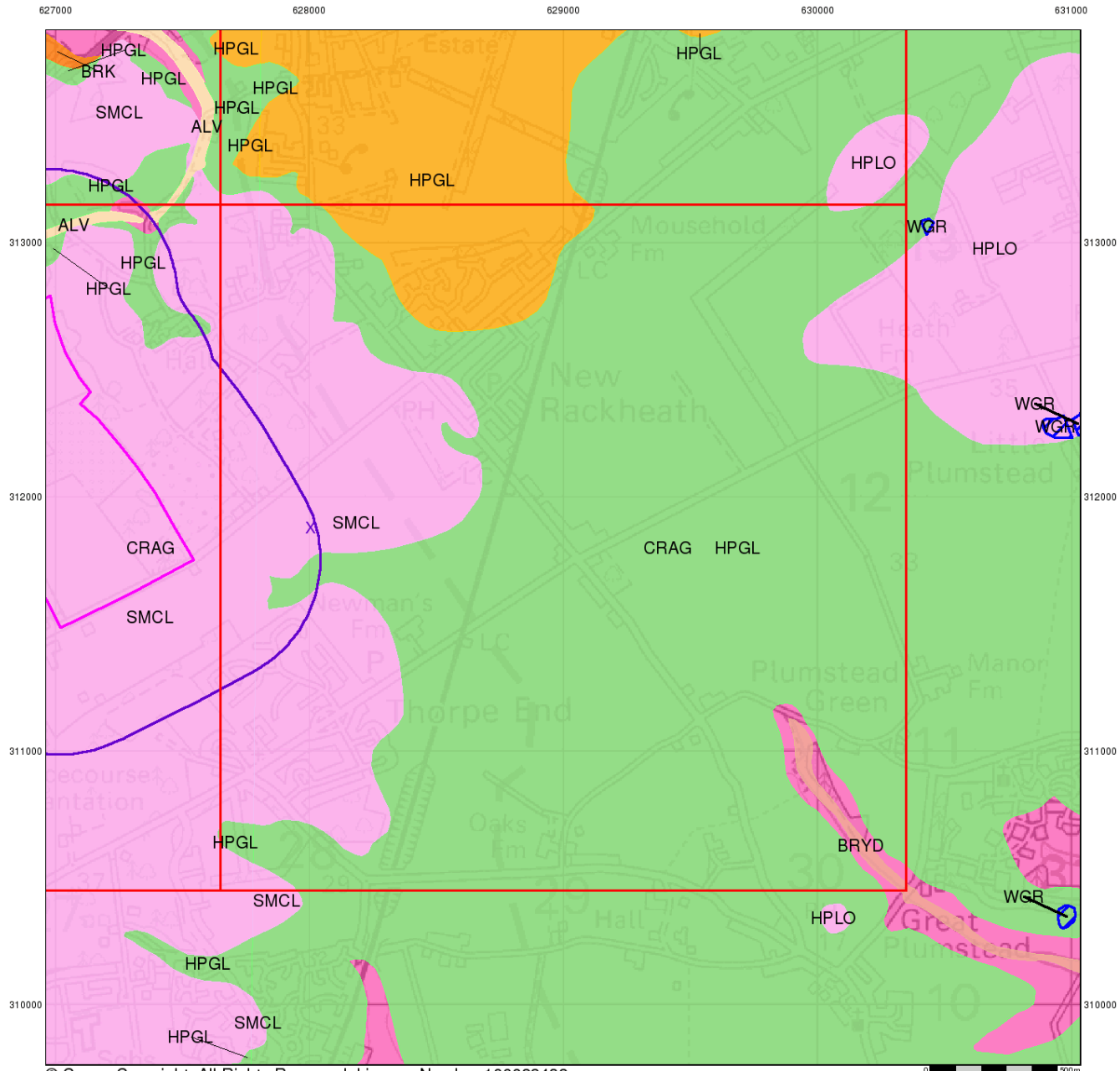
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 Customer Reference: 17-0337.01
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
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Site Details:

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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.

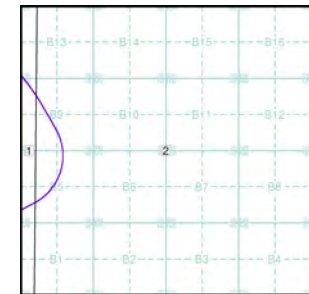
Additional Information

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 B



Order Details:

Order Number:	123227967_1_1
Customer Reference:	17-0337.01
National Grid Reference:	628010, 311880
Slice:	B
Site Area (Ha):	65.82
Search Buffer (m):	500

Site Details:

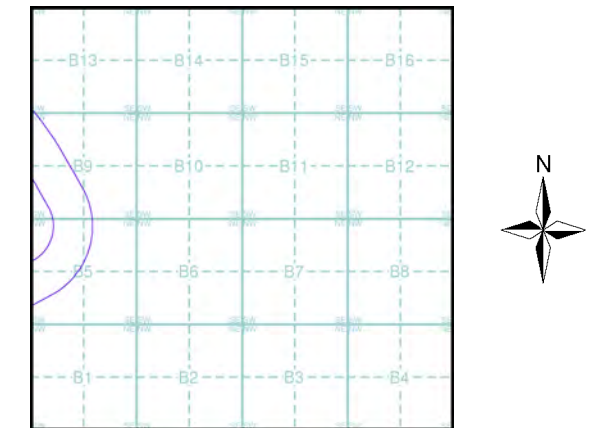
White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



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

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice B

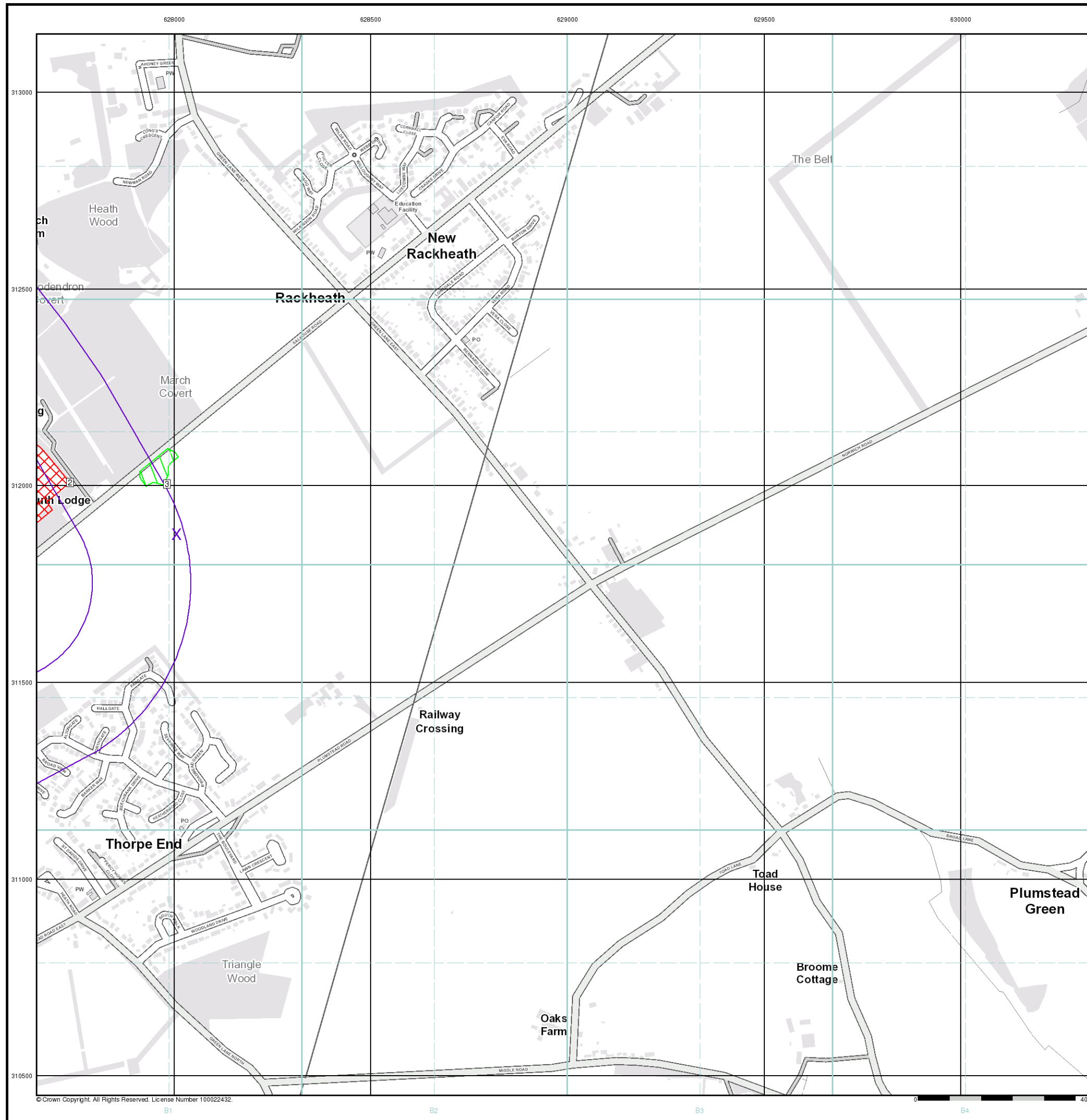


Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500






Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS












Industrial Land Use Map

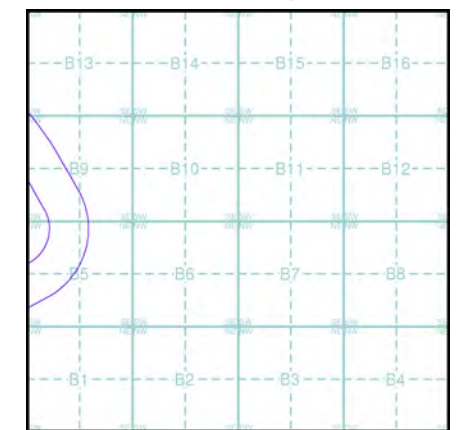
General

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

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Points of Interest - Commercial Services
-  Points of Interest - Education and Health
-  Points of Interest - Manufacturing and Production
-  Points of Interest - Public Infrastructure
-  Points of Interest - Recreational and Environmental
-  Underground Electrical Cables

Industrial Land Use Map - Slice B

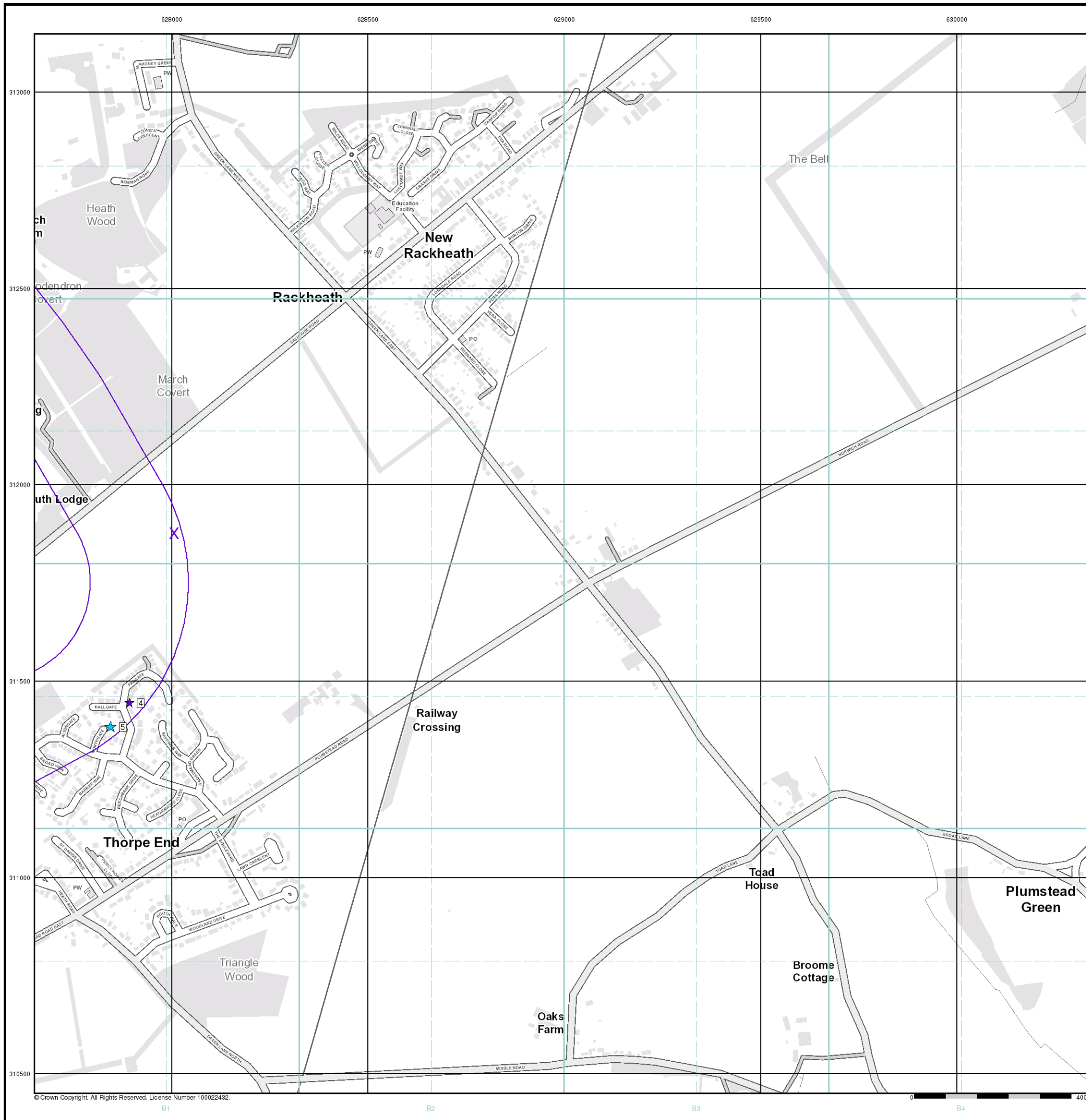


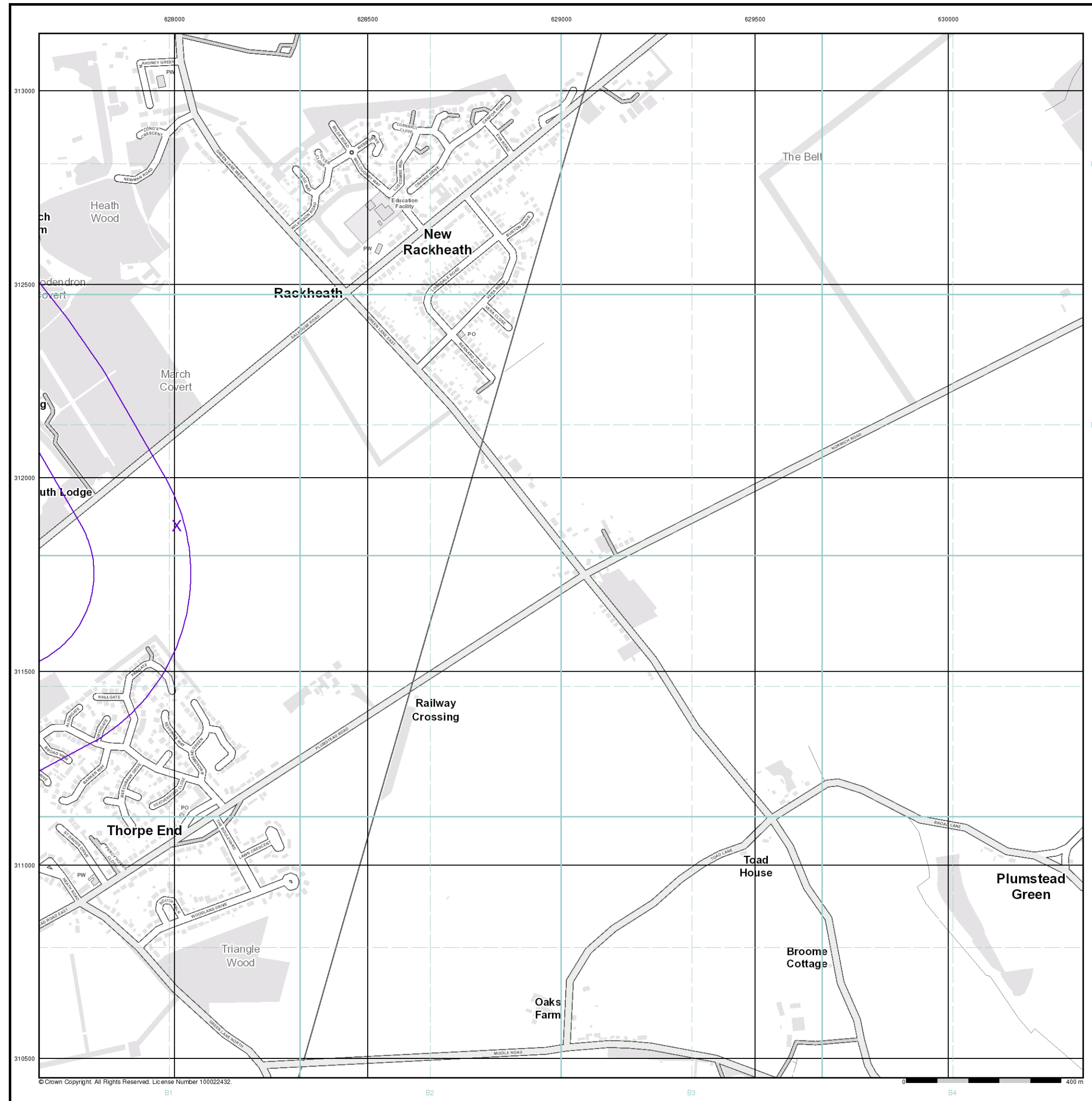
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Order Number: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS





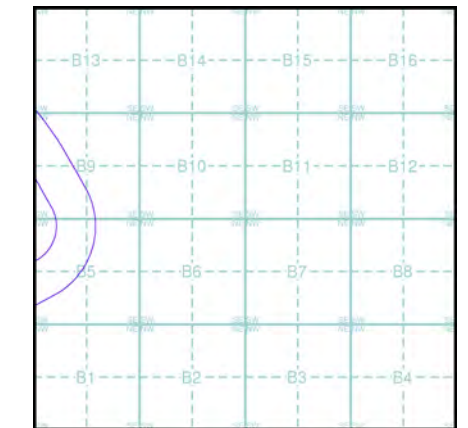
General

- 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 B

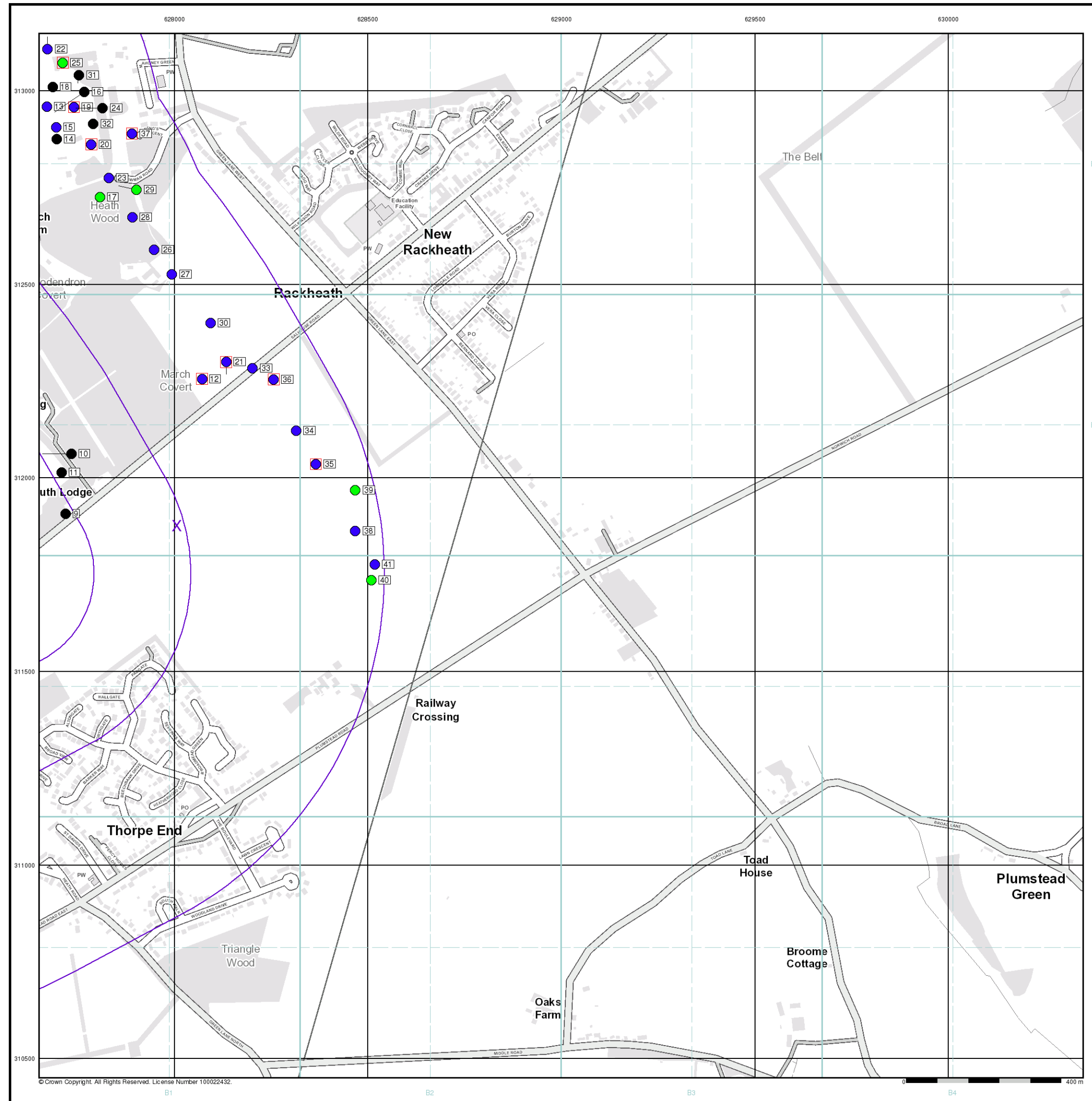


Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



General

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

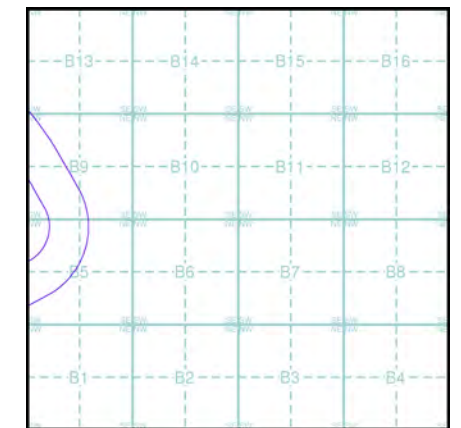
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice B






Order Details

Order Number: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS

General

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

Risk of Flooding from Surface Water

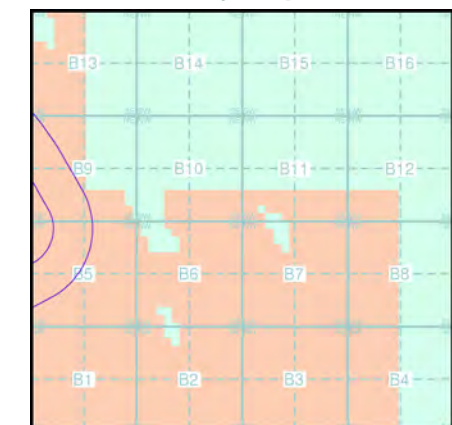
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

EANRW Suitability Map - Slice B

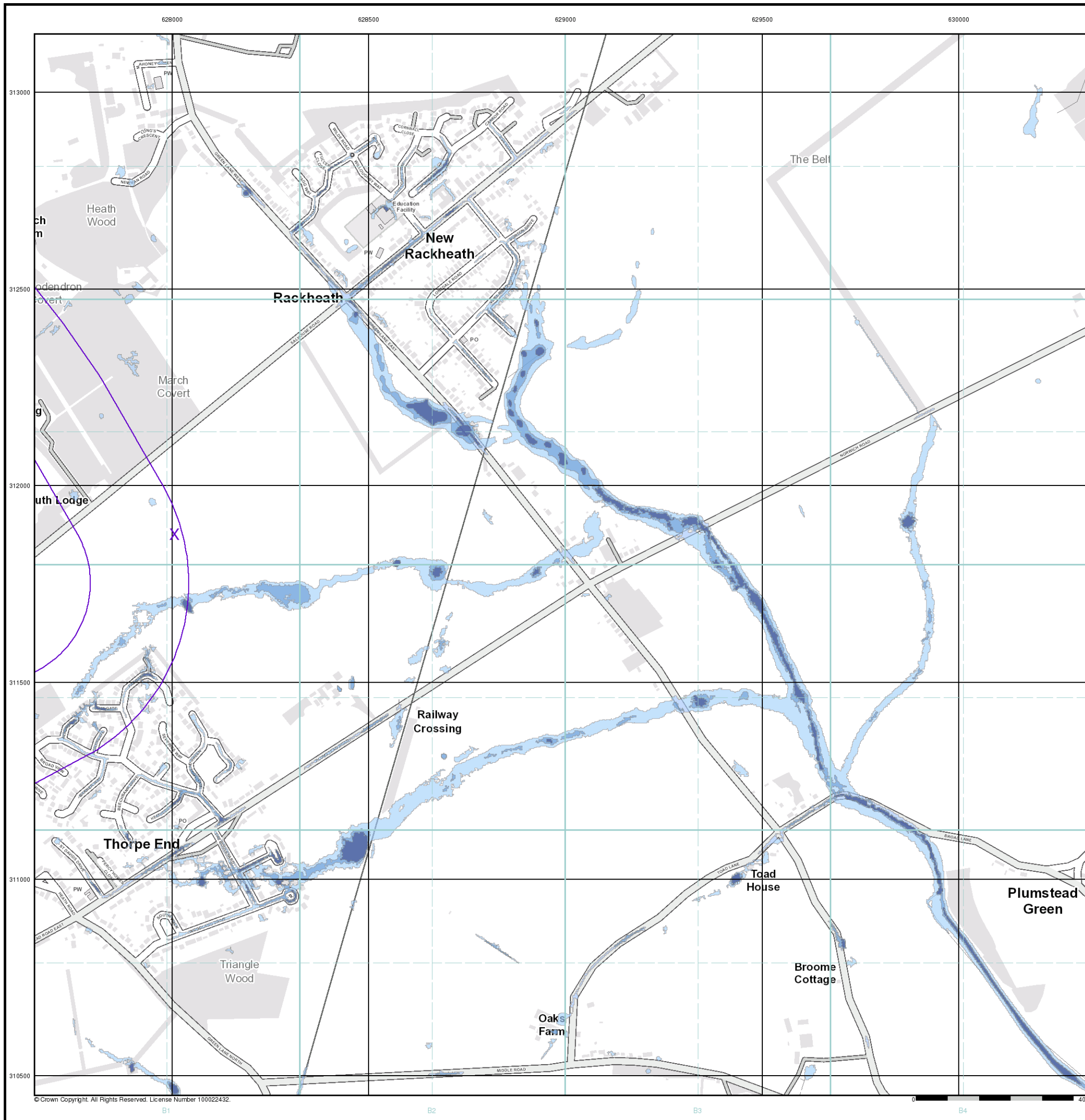


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 Customer Ref: 17-0337.01.
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 Site Area (Ha): 65.82
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Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



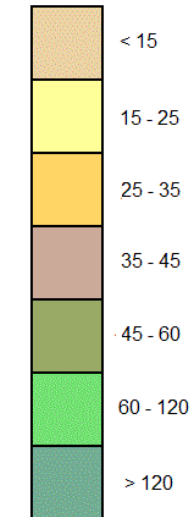
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General

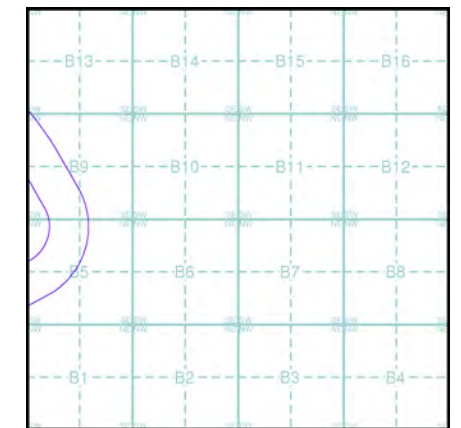
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice B



Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
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 Slice: B
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Site Details

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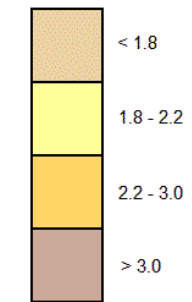
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General

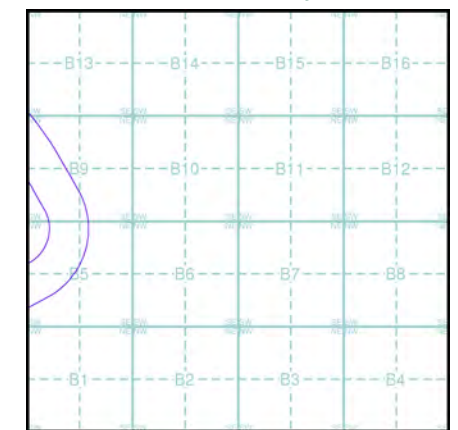
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice B



Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



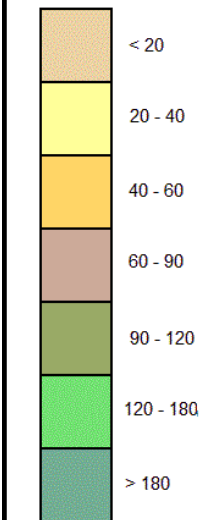
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General

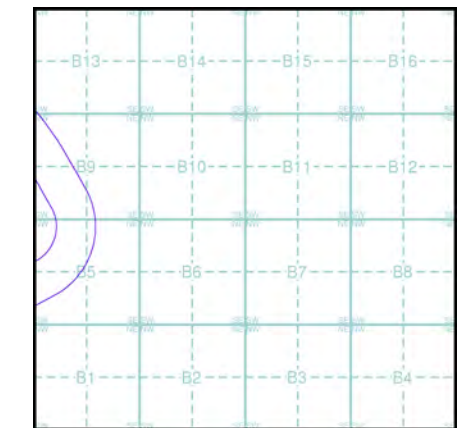
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-  Specified Buffer(s)
-  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice B

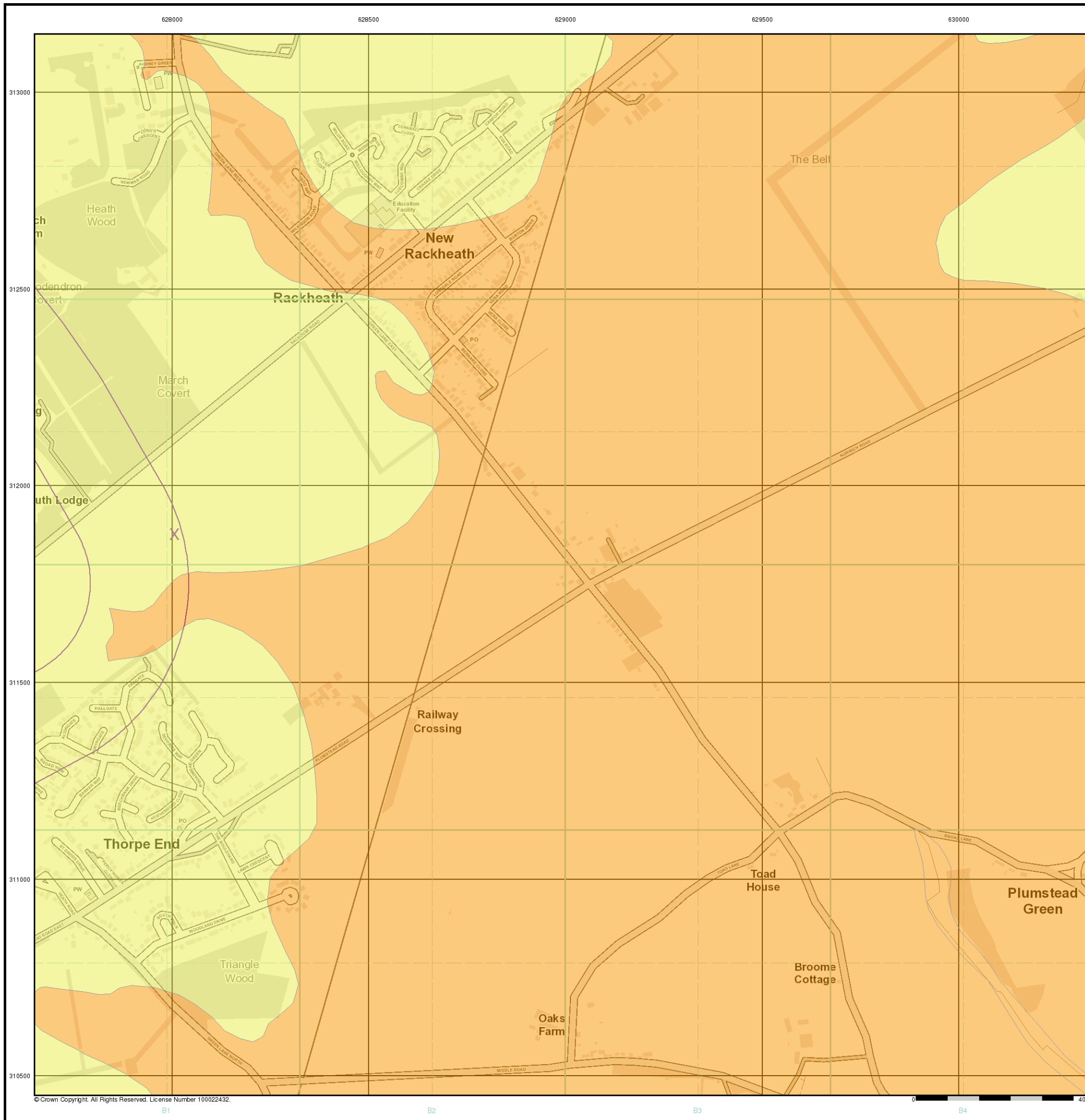


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Site Details

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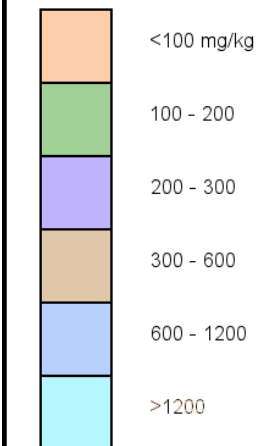
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General

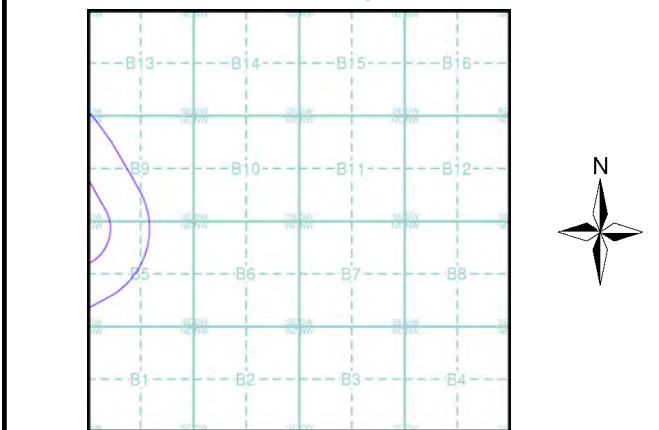
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice B

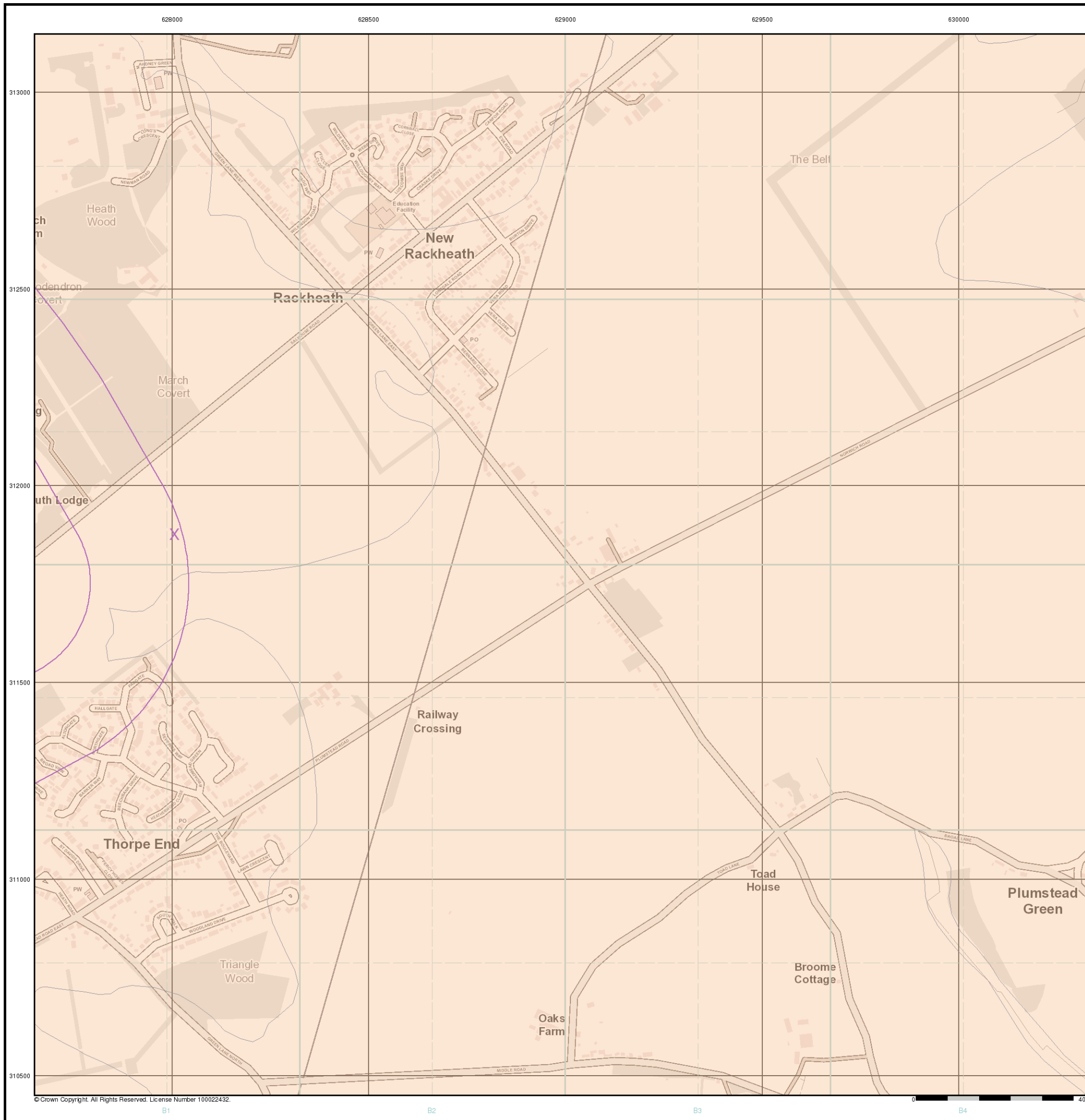


Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

White Land Parcels R5-R10, Sprowston, Norwich, NR7 8RS



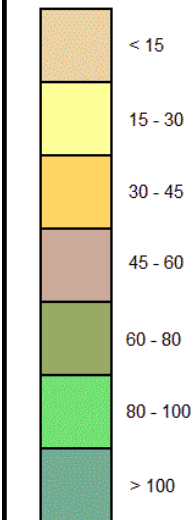
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General

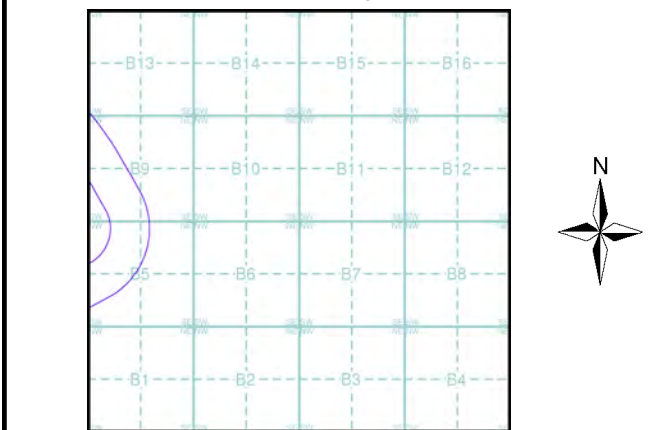
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice B



Order Details

Order Details: 123227967_1_1
 Customer Ref: 17-0337.01.
 National Grid Reference: 628010, 311880
 Slice: B
 Site Area (Ha): 65.82
 Search Buffer (m): 500

Site Details

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

123227967_1_1

Customer Reference:

17-0337.01.

National Grid Reference:

627740, 313290

Slice:

D

Site Area (Ha):

65.82

Search Buffer (m):

500

Site Details:

White Land Parcels R5-R10

Sprowston

Norwich

NR7 8RS

Client Details:

Mr D Webb

Delta Simons

3 Henley Office Park

Doddington Road

Lincoln

LN6 3QR

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	-
Hazardous Substances	-
Geological	2
Industrial Land Use	-
Sensitive Land Use	3
Data Currency	4
Data Suppliers	8
Useful Contacts	9

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

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The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v50.0

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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)				
Local Authority Landfill Coverage			n/a	n/a
Local Authority Recorded Landfill Sites				
Potentially Infilled Land (Non-Water)				
Potentially Infilled Land (Water)				
Registered Landfill Sites				
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				
Hazardous Substances				
Control of Major Accident Hazards Sites (COMAH)				
Explosive Sites				
Notification of Installations Handling Hazardous Substances (NIHHS)				
Planning Hazardous Substance Consents				
Planning Hazardous Substance Enforcements				

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

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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 3	2		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				
World Heritage Sites				