

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

254632812_1_1

Customer Reference:

TAR/MG/LBA/5630/01

National Grid Reference:

621960, 302820

Slice:

A

Site Area (Ha):

21.31

Search Buffer (m):

1000

Site Details:

Site at
Mangreen Hall
Norfolk

Client Details:

J Amphlett
MJCA
Baddesley Collier Offices
Main Road
Baxterley
Atherstone
Warwickshire
CV9 2LE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	38
Hazardous Substances	-
Geological	39
Industrial Land Use	42
Sensitive Land Use	43
Data Currency	44
Data Suppliers	48
Useful Contacts	49

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	7	11
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6	Yes			
Pollution Incidents to Controlled Waters	pg 6		1		
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6	21	3	10	19 (*26)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 26	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 28	4	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 28	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 28	Yes	n/a	n/a	n/a
Source Protection Zones	pg 28	2			1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 29			8	65

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 38	2			
Local Authority Landfill Coverage	pg 38	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 39	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 39	5	3		1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities	pg 40	1	1	1	
Non Coal Mining Areas of Great Britain	pg 41	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 41	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 41	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 41	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 41	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 41	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 42	1	2		
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables	pg 42		1	1	
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 43			1	
Forest Parks					
Local Nature Reserves	pg 43			1	
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 43	1	1		
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	A13NE (N)	0	1	621956 302818
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	198	1	622350 302700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	289	1	622450 302750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	305	1	622400 303400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	337	1	622500 303100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	339	1	622500 302800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	341	1	622500 302818
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	354	1	622450 303400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	381	1	622550 302850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	386	1	622500 303300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19NW (NE)	390	1	622450 303550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	439	1	622600 302800
1	Discharge Consents Operator: Woodlands Farm Property Type: Arable Farming Location: Mangreen Hall Farm, Mangreen, Swardeston Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwelf50494 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 17th May 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Onto Land Receiving Water: Groundwater Status: Deemed Groundwater Regulations Authorisation Positional Accuracy: Located by supplier to within 10m	A12NE (W)	235	2	621510 302850
2	Discharge Consents Operator: Philip John Smith Property Type: Domestic Property (Single) Location: Rose, Willow And North End Cottages, Dunston, Norwich, Norfolk, Nr14 8pf Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Prenf11535 Permit Version: 1 Effective Date: 27th November 1998 Issued Date: 5th August 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of River Tas Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A14SW (E)	402	2	622560 302710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Barbara Nunn Property Type: Not Given Location: Willow/nend/rose Cott, Dunston, Norwich, Norfolk, NR14 8PF Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: PRENF/11535 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 11th January 1999 Revocation Date: Not Supplied Discharge Type: Sewage Treatment Works - Final Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	402	2	622560 302710
2	<p>Discharge Consents</p> <p>Operator: Mrs M Frazer Property Type: Not Given Location: Willow/nend/rose Cott, Dunston, Norwich, Norfolk, NR14 8PF Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: PRENF/11535 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 11th January 1999 Revocation Date: Not Supplied Discharge Type: Sewage Treatment Works - Final Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	403	2	622560 302705
3	<p>Discharge Consents</p> <p>Operator: Brian Blowers Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Common Farm Barns, Off Stoke Lane, Dunston, Norfolk, Nr14 8pf Authority: Environment Agency, Anglian Region Catchment Area: River Ant (Horning) Reference: Pref20038 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	416	2	622480 302490
3	<p>Discharge Consents</p> <p>Operator: Brian Blowers Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Common Farm Barns, Off Stoke Lane, Dunston, Norfolk, Nr14 8pf Authority: Environment Agency, Anglian Region Catchment Area: River Ant (Horning) Reference: Pref20038 Permit Version: 1 Effective Date: 19th July 2006 Issued Date: 19th July 2006 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	416	2	622480 302490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Mr Roger Kingsley Property Type: Domestic Property (Single) Location: Dunston Manor, Dunston, Norwich, Norfolk, Nr14 8pf Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Prenf11559 Permit Version: 1 Effective Date: 19th March 1999 Issued Date: 5th August 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Tas Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	445	2	622560 302560
4	<p>Discharge Consents</p> <p>Operator: Mrs Mary Spillane Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: The Bungalow, Dunston, Norwich, Norfolk, Nr14 8pf Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Prenf11538 Permit Version: 1 Effective Date: 19th March 1999 Issued Date: 5th August 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Tas Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	469	2	622560 302510
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Stoke Holy Cross Stw, Stoke Holy Cross, Norfolk, Nr14 8ql Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Aw4nf504 Permit Version: 5 Effective Date: 27th February 2015 Issued Date: 27th February 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tas Nt Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	531	2	622700 303000
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Stoke Holy Cross Stw, Stoke Holy Cross, Norfolk, Nr14 8ql Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Aw4nf504 Permit Version: 4 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 26th February 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tas Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	531	2	622700 303000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Stoke Holy Cross Stw, Stoke Holy Cross, Norfolk, Nr14 8ql Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Aw4nf504 Permit Version: 3 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tas Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	531	2	622700 303000
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Stoke Holy Cross Stw, Stoke Holy Cross, Norfolk, Nr14 8ql Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Aw4nf504 Permit Version: 2 Effective Date: 21st April 2006 Issued Date: 7th April 2006 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tas Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	531	2	622700 303000
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Stoke Holy Cross Stw, Stoke Holy Cross, Norfolk, Nr14 8ql Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Aw4nf504 Permit Version: 1 Effective Date: 28th April 1988 Issued Date: 28th April 1988 Revocation Date: 21st April 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tas Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	531	2	622700 303000
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Stoke Holy Cross Stw, Stoke Holy Cross, Norfolk, Nr14 8ql Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Aw4nf462 Permit Version: 1 Effective Date: 26th June 1964 Issued Date: 26th June 1964 Revocation Date: 27th April 1988 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Tas Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	531	2	622700 303000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Broadland Housing Association Limited Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Hanford Bridge, Ipswich Road, Norwich, Nr4 6dy Authority: Environment Agency, Anglian Region Catchment Area: Upper River Yare / River Tiffey Reference: Npswqd005602 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwaters Via Soakaway Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	544	2	621449 303759
6	<p>Discharge Consents</p> <p>Operator: Broadland Housing Association Limited Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Hanford Bridge, Ipswich Road, Norwich, Nr4 6dy Authority: Environment Agency, Anglian Region Catchment Area: Upper River Yare / River Tiffey Reference: Npswqd005602 Permit Version: 1 Effective Date: 12th March 2009 Issued Date: 12th March 2009 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwaters Via Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	544	2	621449 303759
7	<p>Discharge Consents</p> <p>Operator: Mr Mark Schofield Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Bottom End Barn, The Common, Dunston, Norfolk, Nr14 8pf Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Prenf20958 Permit Version: 1 Effective Date: 8th October 2007 Issued Date: 8th October 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Tas Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	560	2	622720 302800
8	<p>Discharge Consents</p> <p>Operator: Messrs Shaw Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Dunston Hall Ipswich Main Road, Dunston, Norfolk Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr4nf1535 Permit Version: 1 Effective Date: 22nd July 1988 Issued Date: 22nd July 1988 Revocation Date: 8th February 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Watercourse River Tas Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	828	2	622640 302080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Mr Jonathan Magrath Property Type: Domestic Property (Single) Location: Tudor Cottage Stoke Road, Dunston, Norwich, Norfolk, Nr14 8pe Authority: Environment Agency, Anglian Region Catchment Area: River Tas (Shotesham) Reference: Npswd004227 Permit Version: 1 Effective Date: 6th October 2008 Issued Date: 6th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of River Tass Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A10NW (SE)	965	2	623032 302343
	<p>Nearest Surface Water Feature</p>	A18SW (N)	0	-	621870 303343
10	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Norwich District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Yare Watershed Incident Date: 8th August 1993 Incident Reference: 2020 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</p>	A12NE (W)	203	2	621500 303000
	<p>River Quality</p> <p>Name: Tas GQA Grade: River Quality A Reach: Stoke Mill...Markshall Br Estimated Distance (km): 2.5 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000</p>	A14NE (E)	542	2	622710 302976
11	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: An/034/0013/036/R01 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 14th June 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: An/034/0013/036/R01 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 14th June 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: An/034/0013/036/R01 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 14th June 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: An/034/0014/003 Permit Version: 3 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: An/034/0014/003 Permit Version: 3 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Mineral Products: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: An/034/0014/003 Permit Version: 3 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: An/034/0014/003 Permit Version: 3 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	0	2	622035 303426
11	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: An/034/0014/003 Permit Version: 3 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	0	2	622035 303426
11	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: An/034/0014/003 Permit Version: 3 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Mineral Products: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	0	2	622035 303426
11	Water Abstractions Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	0	2	622035 303426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Mineral Products: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Mineral Products: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 2 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 1 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 1 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Mineral Products: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 1 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 1 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Mineral Products: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 1 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
11	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Ltd Licence Number: An/034/0014/003 Permit Version: 1 Location: Borehole At Swardeston Norfolk Authority: Environment Agency, Anglian Region Abstraction: Extractive: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Swardeston, Norfolk Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	0	2	622035 303426
12	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/14/*G/0023 Permit Version: 101 Location: Bore, Mangreen Hall Fm, Swar'Ton Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Mangreen Hall Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th May 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	141	2	621580 302940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Water Abstractions</p> <p>Operator: Mr B E & Mrs S A Brooks Licence Number: 7/34/14/*g/023 Permit Version: Not Supplied Location: Borehole, Mangreen Hall, SWARDESTON, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 5000 Details: E Chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	142	2	621580 302935
13	<p>Water Abstractions</p> <p>Operator: Mangreen Trust Licence Number: 7/34/14/*G/0125 Permit Version: 1 Location: Mangreen Hall North Swardeston Authority: Environment Agency, Anglian Region Abstraction: Private Water Supply: General Use (Medium Loss) 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: 25th May 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	194	2	621510 303040
14	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13/*G/0201 Permit Version: 100 Location: Bore At Swardeston 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: 30 September Permit Start Date: 1st May 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	264	2	621445 302960
14	<p>Water Abstractions</p> <p>Operator: Mr B E & Mrs S A Brooks Licence Number: 7/34/13/*g/201 Permit Version: Not Supplied Location: Bore, SWARDESTON, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 30 Yearly Rate (m3): 218000 Details: E Chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	265	2	621445 302955

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13/*G/0201 Permit Version: 100 Location: Bore At Swardeston 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 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	269	2	621440 302960
14	<p>Water Abstractions</p> <p>Operator: Mr B E & Mrs S A Brooks Licence Number: 7/34/13/*g/252 Permit Version: Not Supplied Location: Borehole, SWARDESTON Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 4 Yearly Rate (m3): 14000 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621440 302955
15	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13/*G/0201 Permit Version: 103 Location: Borehole At Mangreen Hall Farm, Swardeston 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: Mangreen Hall Farm, Swardeston Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 12th June 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621470 302860
15	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13/*G/0201 Permit Version: 103 Location: Borehole At Mangreen Hall Farm, Swardeston 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: Mangreen Hall Farm, Swardeston Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 12th June 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621470 302860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13*/G/0201 Permit Version: 102 Location: Borehole At Mangreen Hall Farm, Swardeston 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: Mangreen Hall Farm, Swardeston Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621470 302860
15	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13*/G/0201 Permit Version: 102 Location: Borehole At Mangreen Hall Farm, Swardeston 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: Mangreen Hall Farm, Swardeston Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621470 302860
15	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13*/G/0201 Permit Version: 101 Location: Borehole At Mangreen Hall Farm, Swardeston 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: Mangreen Hall Farm, Swardeston Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621470 302860
15	<p>Water Abstractions</p> <p>Operator: B & S Brooks Licence Number: 7/34/13*/G/0201 Permit Version: 101 Location: Borehole At Mangreen Hall Farm, Swardeston 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: Mangreen Hall Farm, Swardeston Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 11th April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	270	2	621470 302860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 7/34/14/*G/0122 Permit Version: 100 Location: Borehole At Stoke Holy Cross Authority: Environment Agency, Anglian Region Abstraction: Water Supply Related: Transfer Between Sources 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: Temporary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	562	2	622700 302600
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: An/034/0014/001/R01 Permit Version: 1 Location: Borehole At Dunston Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th May 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: An/034/0014/001 Permit Version: 2 Location: Borehole At Dunston Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th November 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: An/034/0014/001 Permit Version: 1 Location: Borehole At Dunston Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 7/34/14/*G/0135a Permit Version: 1 Location: Borehole At Dunston Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 7/34/14/*G/0135 Permit Version: 1 Location: Borehole At Dunston Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th December 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 7/34/14/*G/0131 Permit Version: 1 Location: Borehole At Dunston Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680
17	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 7/34/14/*G/0129 Permit Version: 1 Location: Borehole At Dunstone Common, Stoke Holy Cross, Norfolk Authority: Environment Agency, Anglian Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Support To The River Tas Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	604	2	622760 302680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0112 Permit Version: 104 Location: Borehole No.2 At Dunston Hall, Norwich Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	785	2	622676 302164
19	<p>Water Abstractions</p> <p>Operator: Devere Hotels And Leisure Limited Licence Number: 7/34/14/*G/0112 Permit Version: 101 Location: Borehole At Dunston Hall Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	789	2	622600 302100
19	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0112 Permit Version: 104 Location: Borehole No.1 At Dunston Hall, Norwich Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	794	2	622570 302075
19	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0112 Permit Version: 103 Location: Borehole No.1 At Dunston Hall, Norwich Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	831	2	622600 302050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<p>Water Abstractions</p> <p>Operator: Devere Group Plc Licence Number: 7/34/14/*G/0112 Permit Version: 102 Location: Borehole No.1 At Dunston Hall, Norwich Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	831	2	622600 302050
20	<p>Water Abstractions</p> <p>Operator: Devere Hotels And Leisure Limited Licence Number: 7/34/14/*G/0072 Permit Version: 101 Location: Well At Dunston Hall,Stoke H X 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: Stoke Holy Cross Norfolk Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	791	2	622670 302150
20	<p>Water Abstractions</p> <p>Operator: Devere Hotels And Leisure Limited Licence Number: 7/34/14/*G/0072 Permit Version: 101 Location: Well At Dunston Hall,Stoke H X 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: Stoke Holy Cross Norfolk Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	810	2	622650 302110
21	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0112 Permit Version: 103 Location: Borehole No.2 At Dunston Hall, Norwich Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	811	2	622700 302150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p>Water Abstractions</p> <p>Operator: Devere Group Plc Licence Number: 7/34/14/*G/0112 Permit Version: 102 Location: Borehole No.2 At Dunston Hall, Norwich Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall Norwich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	811	2	622700 302150
21	<p>Water Abstractions</p> <p>Operator: Devere Hotels And Leisure Limited Licence Number: 7/34/14/*G/0072 Permit Version: 101 Location: Bore At Dunston Hall, Stoke H X 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: Stoke Holy Cross Norfolk Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	815	2	622700 302145
21	<p>Water Abstractions</p> <p>Operator: Dunston Hall Partnership Licence Number: 7/34/14/*g/072 Permit Version: Not Supplied Location: Well At Dunston Hall, STOKE HOLY CROSS Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 5000 Details: Glacial Sand and Gravel; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	838	2	622740 302150
	<p>Water Abstractions</p> <p>Operator: Trustees Of The Lakenham-Hewett Rugby Football Club Licence Number: 7/34/13/*G/0211 Permit Version: 101 Location: Bore, Sports Ground, Swardeston Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Club Premises At Swardeston Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (W)	1088	2	620645 303275

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Lakenham-Hewett Rugby Fc Licence Number: 7/34/13/*g/211 Permit Version: Not Supplied Location: Bore, Sports Ground, SWARDESTON Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 4 Yearly Rate (m3): 15000 Details: E chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (W)	1093	2	620640 303275
	<p>Water Abstractions</p> <p>Operator: Trustees Of The Lakenham-Hewett Rugby F C Licence Number: 7/34/13/*G/0211 Permit Version: 102 Location: Bore, Sports Ground, Swardeston 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: Swardeston Norfolk Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (W)	1095	2	620640 303280
	<p>Water Abstractions</p> <p>Operator: Trustees Of The Lakenham-Hewett Rugby F C Licence Number: 7/34/13/*G/0211 Permit Version: 102 Location: Bore, Sports Ground, Swardeston Authority: Environment Agency, Anglian Region Abstraction: Commercial Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Club Premises At Swardeston Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (W)	1095	2	620640 303280
	<p>Water Abstractions</p> <p>Operator: Trustees Of The Lakenham-Hewett Rugby Football Club Licence Number: 7/34/13/*G/0211 Permit Version: 101 Location: Bore, Sports Ground, Swardeston 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: Swardeston Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SE (W)	1095	2	620640 303280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0132a/R01 Permit Version: 1 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0132a/R01 Permit Version: 1 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0132a Permit Version: 2 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 4th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Dunston Hall Hotel Trading Limited Licence Number: 7/34/14/*G/0132a Permit Version: 2 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 4th September 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: De Vere Hotels & Leisure Ltd Licence Number: 7/34/14/*G/0132a Permit Version: 1 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: De Vere Hotels & Leisure Ltd Licence Number: 7/34/14/*G/0132a Permit Version: 1 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Devere Group Plc Licence Number: 7/34/14/*G/0132 Permit Version: 1 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th September 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Devere Group Plc Licence Number: 7/34/14/*G/0132 Permit Version: 1 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 20th September 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Devere Group Plc Licence Number: 7/34/14/*G/0120 Permit Version: 102 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 22nd October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Devere Group Plc Licence Number: 7/34/14/*G/0120 Permit Version: 102 Location: Borehole At Dunston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dunston Hall, Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 22nd October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Devere Hotels And Leisure Limited Licence Number: 7/34/14/*G/0120 Permit Version: 101 Location: Borehole At Dunston 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: Dunston Hall Norwich Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NW (SE)	1413	2	623100 301700
	<p>Water Abstractions</p> <p>Operator: Dunston Hall Partnership Licence Number: 7/34/14/*g/103 Permit Version: Not Supplied Location: 10 Wellpoints , DUNSTON HALL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 30 Yearly Rate (m3): 600000 Details: Glacial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NW (SE)	1413	2	623100 301700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Bobbin Bros Licence Number: 7/34/13/*G/0097 Permit Version: 100 Location: Bore At Roadside Nurseries 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 April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A11SW (W)	1485	2	620290 302560
	<p>Water Abstractions</p> <p>Operator: Mr Brian Tubby Licence Number: 7/34/14/**/073 Permit Version: Not Supplied Location: Well At Wood Farm, Dunston, STOKE HOLY CROSS Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 3000 Details: Glacial Sand and Gravel; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NW (SE)	1528	2	623100 301550
	<p>Water Abstractions</p> <p>Operator: Norfolk Health Authority Licence Number: 7/34/14/cg/951 Permit Version: Not Supplied Location: Bore , The Vale Hospital Authority: Environment Agency, Anglian Region Abstraction: Private Water Supply (Crown Property / Government Departments) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1591	2	621200 301250
	<p>Water Abstractions</p> <p>Operator: Mr H Cullum Licence Number: 7/34/13/*g/092 Permit Version: Not Supplied Location: Well At Intwood Lane, SWARDESTON Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 2000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1605	2	620130 303340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr Brian Tubby Licence Number: 7/34/14/**/073 Permit Version: Not Supplied Location: River Tas At Dunston, STOKE HOLY CROSS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 7 Yearly Rate (m3): 114000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5NW (SE)	1625	2	623250 301550
	<p>Water Abstractions</p> <p>Operator: J Buxton & G R Brown Licence Number: 7/34/13/*G/0094 Permit Version: 100 Location: Bore Nr Allotments, Swardeston 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 April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1658	2	620220 302220
	<p>Water Abstractions</p> <p>Operator: W M Redman Licence Number: 7/34/13/*g/001 Permit Version: Not Supplied Location: Bored Well, Highfield Nursery, SWARDESTON Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 14000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1658	2	620140 302460
	<p>Water Abstractions</p> <p>Operator: R W Kidner Ltd Licence Number: 7/34/14/*s/068 Permit Version: Not Supplied Location: River Tas At, STOKE HOLY CROSS Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 23 Yearly Rate (m3): 509000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A5SE (SE)	1889	2	623340 301280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: H G Blake (Costessey) Ltd Licence Number: 7/34/13/*g/114 Permit Version: Not Supplied Location: Bore , SWARDESTON Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 4 Yearly Rate (m3): 23000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1904	2	619830 302670
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low</p>	A13NE (N)	0	3	621956 302818
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	A13NE (E)	0	3	622000 302818
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low</p>	A13NE (N)	0	3	621956 303000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A13NE (N)	0	3	622000 303000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: Low</p>	A13NE (SE)	0	3	621993 302795
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A13NE (E)	0	3	622000 302807
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: Low</p>	A18SE (N)	0	3	622000 303382

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A18SE (N)	0	3	622035 303373
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13NE (N)	0	3	621956 302818
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13NE (E)	0	3	622000 302818
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13NE (N)	0	3	621956 303000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13NE (N)	0	3	622000 303000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (N)	0	3	621956 302818
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (N)	0	3	621956 302818
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (SE)	0	3	621993 302795
22	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (E)	0	2	622254 302917
23	Source Protection Zones Name: Not Supplied 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.	A13NE (N)	0	2	621956 302818
24	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A20NW (NE)	938	2	623100 303573
	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
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A8NW (SW)	442	4	621708 302292
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A8NW (SW)	444	4	621708 302289
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A8NW (SW)	447	4	621707 302287
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A8NW (SW)	470	4	621703 302264
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A8NW (SW)	473	4	621702 302262
30	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SW (E)	478	4	622609 302593
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SW (E)	478	4	622609 302593
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SW (E)	487	4	622609 302567
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 2	A14NE (E)	504	4	622671 302971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A8NW (S)	504	4	621891 302225
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1429.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	505	4	622674 303022
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	515	4	622684 303009
37	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SW (SE)	539	4	622609 302458
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 2	A14NE (E)	562	4	622727 302902
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	581	4	622741 302801
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	581	4	622741 302801
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	603	4	622761 302826
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	609	4	622775 302912

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 521.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	609	4	622775 302912
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A14NE (E)	638	4	622799 302859
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19SE (NE)	642	4	622783 303264
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SE (E)	707	4	622865 302694
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SE (E)	708	4	622866 302693
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SE (E)	708	4	622866 302693
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	724	4	622798 303538
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A14SE (E)	729	4	622890 302727
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A14SE (E)	734	4	622895 302727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	830	4	622868 303687
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	830	4	622868 303687
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	835	4	622873 303687
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	837	4	622997 302730
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	837	4	622997 302730
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	846	4	622874 303718
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SW (SE)	846	4	622493 301977
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	850	4	622876 303723
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	853	4	622979 302520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	860	4	622989 302528
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	860	4	622989 302528
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	867	4	623002 302550
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	870	4	623003 302539
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	876	4	623014 302563
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	878	4	622998 302494
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15NW (E)	879	4	623040 302760
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A19NE (NE)	904	4	622923 303751
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	922	4	622881 302181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	927	4	622864 302152
71	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	931	4	622869 302152
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	931	4	622869 302152
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	932	4	622880 302163
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	933	4	622852 302126
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	938	4	622834 302104
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	939	4	622890 302164
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	948	4	623080 302531
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	948	4	623080 302531

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	950	4	622903 302164
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	954	4	623087 302533
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SW (SE)	960	4	622406 301827
82	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	961	4	622917 302163
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	962	4	623087 302499
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	962	4	623087 302499
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	966	4	623090 302499
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SE (SE)	968	4	622800 302028
87	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SE (SE)	968	4	622787 302016

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 232.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SE (SE)	969	4	622787 302016
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	970	4	622928 302162
90	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 21.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9NE (SE)	970	4	622944 302183
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A10NW (SE)	975	4	622956 302191
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A10NW (SE)	977	4	622962 302198
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	983	4	623140 302677
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A10NW (SE)	987	4	623059 302349
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SW (SE)	993	4	622560 301846
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Tas Catchment Name: Wensum and Yare Primacy: 1	A15SW (E)	995	4	623101 302434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Wensum and Yare Primacy: 1	A9SW (SE)	1000	4	622565 301840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 406652 Location: Mangreen Recycling, Ipswich Road, Swardeston, Norwich, Norfolk, NR14 8DD Operator Name: Tarmac Trading Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Inert & excavation Waste TS + treatment Licence Status: Issued Issued: 27th May 2020 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	0	2	621970 303389
99	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 101142 Location: Mangreen Quarry, Ipswich Road, Swardeston, Norwich, Norfolk, NR14 8DD Operator Name: Tarmac Aggregates Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Management of inert or extractive waste at mine Licence Status: Modified Issued: 21st April 2010 Last Modified: 8th January 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Approximate location provided by supplier</p>	A18SE (N)	0	2	622000 303100
	<p>Local Authority Landfill Coverage</p> <p>Name: Norfolk County Council - Has supplied landfill data</p>		0	5	621956 302818
	<p>Local Authority Landfill Coverage</p> <p>Name: South Norfolk District Council - Has no landfill data to supply</p>		0	6	621956 302818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NE (N)	0	1	621956 302818
100	BGS Recorded Mineral Sites Site Name: Dunston Gravel Pit Location: Stoke Holy Cross, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 197586 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lowestoft Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	0	1	622164 302976
101	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 229907 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (N)	0	1	621920 303165
102	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 229908 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	0	1	622045 303180
103	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 246104 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	0	1	621805 302890
104	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Plant Area Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 18901 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	0	1	622020 303315

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 229909 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (N)	41	1	621830 303335
106	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 246105 Type: Opencast Status: Active Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NW (W)	110	1	621655 302810
107	BGS Recorded Mineral Sites Site Name: Mangreen Gravel Pit Location: Swardeston, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 229910 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	145	1	621750 303175
108	BGS Recorded Mineral Sites Site Name: Dunston Hall Pit Location: Stoke Holy Cross, Norwich, Norfolk Source: British Geological Survey, National Geoscience Information Service Reference: 197596 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Leet Hill Sand And Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	741	1	622463 302079
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Natural Cavities Easting: 622100 Northing: 303120 Distance: 0 Quadrant Reference: A18 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Glacial sand Detail:	A18SE (NE)	0	7	622100 303120
	Natural Cavities Easting: 622200 Northing: 303350 Distance: 100 Quadrant Reference: A18 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology: Glacial sand Detail:	A18SE (NE)	100	7	622200 303350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 622240 Northing: 303740 Distance: 355 Quadrant Reference: A18 Quadrant Reference: NE Bearing Ref: N Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology Detail: Glacial sand	A18NE (N)	355	7	622240 303740
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	5	1	622180 302899
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	35	1	622199 302791
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A19NW (NE)	240	1	622350 303432
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A19NW (NE)	240	1	622350 303432
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	1	621993 302795
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	621956 302818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	<p>Contemporary Trade Directory Entries</p> <p>Name: Aggbag Ltd Location: Mangreen Quarry, Mangreen, Swardeston, Norwich, Norfolk, NR14 8DD Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A18SE (N)	0	-	621996 303366
110	<p>Contemporary Trade Directory Entries</p> <p>Name: Tarmac Location: Ipswich Road, Dunston, NR14 8DD Classification: Quarries Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A12NE (NW)	148	-	621557 303044
110	<p>Contemporary Trade Directory Entries</p> <p>Name: G R S Bagging Ltd Location: Mangreen Quarry, Mangreen, Swardeston, Norwich, Norfolk, NR14 8DD Classification: Sand, Gravel & Other Aggregates Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A12NE (NW)	148	-	621557 303044
111	<p>Underground Electrical Cables</p> <p>Unique Feature Identifier: 10005365 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 10th July 2018</p>	A13SE (S)	219	8	622010 302520
112	<p>Underground Electrical Cables</p> <p>Unique Feature Identifier: 10008077 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 5th April 2018</p>	A13SW (S)	258	8	621919 302474

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Environmentally Sensitive Areas Name: Broads (decommissioned) Multiple Areas: Y Total Area (m2): 382941888.19 Source: Natural England	A14SW (E)	440	9	622601 302741
114	Local Nature Reserves Name: Dunston Common Multiple Area: N Area (m2): 37764.42 Source: Natural England Designation Date: 1st January 1996	A14SW (E)	437	9	622597 302730
115	Nitrate Vulnerable Zones Name: Norwich Crag And Gravels Description: Groundwater Source: Environment Agency, Head Office	A13NE (E)	0	3	622141 302845
116	Nitrate Vulnerable Zones Name: Yare Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (NW)	25	3	621739 303050


Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices South Norfolk District Council - Environmental Health Department Environment Agency - Head Office	December 2014 June 2020	Annual Rolling Update Annually
Discharge Consents Environment Agency - Anglian Region	July 2020	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	July 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control South Norfolk District Council - Environmental Health Department	June 2014	Variable
Local Authority Pollution Prevention and Controls South Norfolk District Council - Environmental Health Department	June 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements South Norfolk District Council - Environmental Health Department	June 2014	Variable
Nearest Surface Water Feature Ordnance Survey	June 2020	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Eastern Area	July 2020	Quarterly
Water Abstractions Environment Agency - Anglian Region	July 2020	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	June 2020	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	June 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	June 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	June 2020	Quarterly
Flood Defences Environment Agency - Head Office	June 2020	Quarterly
OS Water Network Lines Ordnance Survey	June 2020	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Eastern Area	July 2020	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Eastern Area	July 2020	Quarterly
Local Authority Landfill Coverage Norfolk County Council - Planning & Transportation - Minerals & Waste South Norfolk District Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Norfolk County Council - Planning & Transportation - Minerals & Waste South Norfolk District Council - Environmental Health Department	May 2000 May 2000	Not Applicable 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	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Norfolk County Council - Planning & Transportation - Minerals & Waste South Norfolk District Council	June 2007 October 2015	Annual Rolling Update Variable
Planning Hazardous Substance Consents Norfolk County Council - Planning & Transportation - Minerals & Waste South Norfolk District Council	June 2007 October 2015	Annual Rolling Update Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	August 2020	

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

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	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
6	South Norfolk District Council - Environmental Health Department South Norfolk House, Swan Lane, Long Stratton, Norwich, Norfolk, NR15 2XE	Telephone: 01508 533722 Fax: 01508 533626 Website: www.south-norfolk.gov.uk
7	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
8	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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