



Contract Number: 58804

Client Ref:

Report Date: **13-04-2022**

Client PO:

Client **T&P Regeneration**
Unit 4
Brunel Lock Development
Smeaton Road
Bristol
BS1 6SE

Contract Title: **Bens Yard**
For the attention of: **Jack Oliver**

Date Received: **29-03-2022**
Date Completed: **13-04-2022**

Test Description	Qty
Samples Received - @ Non Accredited Test	16
Moisture Content BS 1377:1990 - Part 2 : 3.2 - * UKAS	8
4 Point Liquid & Plastic Limit BS 1377:1990 - Part 2 : 4.3 & 5.3 - * UKAS	8
BRE Suite D Brownfield Site (pyrite present) includes pH, water & acid soluble sulphate, total sulphur, magnesium, chloride and nitrate Sub-contracted Test - @ Non Accredited Test	8
Disposal of samples for job	1

Notes: Observations and Interpretations are outside the UKAS Accreditation
* - denotes test included in laboratory scope of accreditation
- denotes test carried out by approved contractor
@ - denotes non accredited tests

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved Signatories:

Emma Sharp (Business Support Manager) - Paul Evans (Director) - Richard John (Quality/Technical Manager)
Shaun Jones (Laboratory manager) - Shaun Thomas (Site Manager) - Wayne Honey (Quality Assistant / Administrator / Health and Safety Coordinator)



ANALYTICAL TEST REPORT

Contract no: 107707

Contract name: Bens Yard

Client reference: P0637

Clients name: Geo Site & Testing Services

Clients address: Unit 3 and 4 Heol Aur
Dafen Industrial Estate, Dafen
Llanelli, Carmarthenshire
SA14 8QN

Samples received: 31 March 2022

Analysis started: 31 March 2022

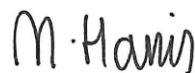
Analysis completed: 07 April 2022

Report issued: 07 April 2022

Key

- U UKAS accredited test
- M MCERTS & UKAS accredited test
- \$ Test carried out by an approved subcontractor
- I/S Insufficient sample to carry out test
- N/S Sample not suitable for testing

Approved by:



Megan Harris

Senior Reporting Administrator

Chemtech Environmental Limited

SOILS

Lab number			107707-1	107707-2	107707-3	107707-4	107707-5	107707-6
Sample id			WS02	WS05	WS07	WS09	WS10	WS12
Depth (m)			0.60-0.80	1.50-1.80	1.40-1.70	1.20-1.40	1.50-1.70	1.40-1.80
Sample Type			D	D	D	D	D	D
Date sampled			-	-	-	-	-	-
Test	Method	Units						
pH	CE004 ^u	units	8.0	7.6	8.0	7.8	8.0	8.0
Magnesium (2:1 water soluble)	CE061	mg/l Mg	1.9	1.9	1.3	1.4	1.4	2.4
Chloride (2:1 water soluble)	CE049 ^u	mg/l Cl	8.9	4.3	3.2	7.2	8.3	4.1
Nitrate (2:1 water soluble)	CE049 ^u	mg/l NO ₃	1.8	1.3	1.0	<1	<1	<1
Sulphate (2:1 water soluble)	CE061 ^u	mg/l SO ₄	24	20	25	12	32	34
Sulphate (total)	CE062 ^u	mg/kg SO ₄	111	230	<100	550	132	1879
Sulphur (total)	CE119	mg/kg S	116	100	<100	257	155	695
Sulphur (total)	CE119	% w/w S	0.01	<0.01	<0.01	0.03	0.02	0.07

Chemtech Environmental Limited

SOILS

Lab number			107707-7	107707-8
Sample id			WS14	WS15
Depth (m)			1.70-2.00	0.80-1.00
Sample Type			D	D
Date sampled			-	-
Test	Method	Units		
pH	CE004 ^u	units	8.0	8.2
Magnesium (2:1 water soluble)	CE061	mg/l Mg	5.2	1.5
Chloride (2:1 water soluble)	CE049 ^u	mg/l Cl	3.5	3.3
Nitrate (2:1 water soluble)	CE049 ^u	mg/l NO ₃	<1	1.1
Sulphate (2:1 water soluble)	CE061 ^u	mg/l SO ₄	128	132
Sulphate (total)	CE062 ^u	mg/kg SO ₄	368	575
Sulphur (total)	CE119	mg/kg S	139	452
Sulphur (total)	CE119	% w/w S	0.01	0.05

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METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE004	pH	Based on BS 1377, pH Meter	As received	U	-	units
CE061	Magnesium (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry		1	mg/l Mg
CE049	Chloride (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l Cl
CE049	Nitrate (2:1 water soluble)	Aqueous extraction, IC-COND	Dry	U	1	mg/l NO ₃
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry	U	10	mg/l SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	U	100	mg/kg SO ₄
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		100	mg/kg S
CE119	Sulphur (total)	Acid extraction, ICP-OES	Dry		0.01	% w/w S

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DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

N	No (not deviating sample)
Y	Yes (deviating sample)
NSD	Sampling date not provided
NST	Sampling time not provided (waters only)
EHT	Sample exceeded holding time(s)
IC	Sample not received in appropriate containers
HP	Headspace present in sample container
NCF	Sample not chemically fixed (where appropriate)
OR	Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
107707-1	WS02	0.60-0.80	Y	All (NSD)
107707-2	WS05	1.50-1.80	Y	All (NSD)
107707-3	WS07	1.40-1.70	Y	All (NSD)
107707-4	WS09	1.20-1.40	Y	All (NSD)
107707-5	WS10	1.50-1.70	Y	All (NSD)
107707-6	WS12	1.40-1.80	Y	All (NSD)
107707-7	WS14	1.70-2.00	Y	All (NSD)
107707-8	WS15	0.80-1.00	Y	All (NSD)

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ADDITIONAL INFORMATION

Notes

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

All testing carried out at Unit 6 Parkhead, Stanley, DH9 7YB, except for subcontracted testing.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory.

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Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

For soils and solids, all results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.

Analytical results are inclusive of stones, where applicable.

Appendix E – Chemical Results and Screening Assessment



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Ponswood Industrial Estate
St Leonards on Sea
East Sussex
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info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 22-39660

Issue: 1

Date of Issue: 06/04/2022

Contact: Jack Oliver

Customer Details: T & P Regeneration Ltd (Smeaton Road)
Unit 4
Brunel Lock Development
Bristol
BS1 6SE

Quotation No: Q15-00390


Order No: 8222 CS-J-1363

Customer Reference: P0637 CS-J-1363

Date Received: 30/03/2022

Date Approved: 06/04/2022

Details: Bens Yard

Approved by: 

Mike Varley, General Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)

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Sample Summary

Report No.: 22-39660, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
273145	WS01 ES 0.10 - 0.20	24/03/2022	30/03/2022	Silty loam	
273146	WS01 ES 0.40 - 0.50	24/03/2022	30/03/2022		
273147	WS02 ES 0.10 - 0.20	24/03/2022	30/03/2022	Silty loam	
273148	WS02 ES 0.60 - 0.70	24/03/2022	30/03/2022	Silty loam	
273149	WS03 ES 0.10 - 0.20	24/03/2022	30/03/2022	Silty loam	
273150	WS03 ES 0.20 - 0.30	24/03/2022	30/03/2022	Silty loam	
273151	WS04 ES 0.35 - 0.50	24/03/2022	30/03/2022	Silty loam	
273152	WS05 ES 0.40 - 0.50	24/03/2022	30/03/2022		
273153	WS05 ES 0.80 - 1.00	24/03/2022	30/03/2022	Silty loam	
273154	WS06 ES 0.10 - 0.20	24/03/2022	30/03/2022	Sandy silty loam	
273155	WS06 ES 0.40 - 0.50	24/03/2022	30/03/2022	Sandy silty loam	
273156	WS07 ES 0.20 - 0.30	24/03/2022	30/03/2022	Silty loam	
273157	WS07 ES 0.40 - 0.50	24/03/2022	30/03/2022		
273158	WS08 ES 0.10 - 0.20	24/03/2022	30/03/2022		
273159	WS08 ES 0.40 - 0.50	24/03/2022	30/03/2022		
273160	WS09 ES 0.10 - 0.20	24/03/2022	30/03/2022	Sandy silty loam	
273161	WS09 ES 0.40 - 0.50	24/03/2022	30/03/2022		
273162	WS10 ES 0.20 - 0.30	24/03/2022	30/03/2022	Silty loam	
273163	WS10 ES 1.10 - 1.20	24/03/2022	30/03/2022	Sandy loam	
273164	WS11 ES 0.10 - 0.20	24/03/2022	30/03/2022		
273165	WS11 ES 0.50 - 0.60	24/03/2022	30/03/2022		
273166	WS12 ES 0.10 - 0.20	24/03/2022	30/03/2022	Sandy silty loam	
273167	WS12 ES 0.60 - 0.70	24/03/2022	30/03/2022		
273168	WS13 ES 0.20 - 0.30	24/03/2022	30/03/2022		
273169	WS13 ES 0.60 - 0.70	24/03/2022	30/03/2022		
273170	WS14 ES 0.10 - 0.20	24/03/2022	30/03/2022	Sandy silty loam	
273171	WS14 ES 0.40 - 0.50	24/03/2022	30/03/2022		
273172	WS15 ES 0.10 - 0.20	24/03/2022	30/03/2022	Sandy silty loam	
273173	WS15 ES 0.30 - 0.40	24/03/2022	30/03/2022		
273174	WS16 ES 0.30 - 0.40	24/03/2022	30/03/2022	Silty loam	
273175	WS16 ES 0.50 - 0.60	24/03/2022	30/03/2022	Silty loam	
273176	WS17 ES 0.40 - 0.60	24/03/2022	30/03/2022	Sandy silty loam	
273177	WS17 ES 0.60 - 0.70	24/03/2022	30/03/2022		
273178	WS18 ES 0.40 - 0.60	24/03/2022	30/03/2022		



Results Summary

Report No.: 22-39660, issue number 1

ELAB Reference	273145	273147	273148	273149	273150	273151	273153	273154	273155	273156	273160
Customer Reference	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Sample ID											
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS06	WS06	WS07	WS09
Sample Depth (m)	0.10 - 0.20	0.10 - 0.20	0.60 - 0.70	0.10 - 0.20	0.20 - 0.30	0.35 - 0.50	0.80 - 1.00	0.10 - 0.20	0.40 - 0.50	0.20 - 0.30	0.10 - 0.20
Sampling Date	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022

Determinand	Codes	Units	LOD												
Soil sample preparation parameters															
Moisture Content	N	%	0.1	26.8	17.2	19.4	3.9	19.9	12.4	17.8	4.0	11.5	15.4	4.1	
Material removed	N	%	0.1	14.0	15.8	< 0.1	31.2	< 0.1	< 0.1	< 0.1	23.2	21.4	13.1	15.3	
Description of Inert material removed	N		0	Stones/Wood	Stones/Wood	None	Stones/Clinker	None	None	None	Stones/Clinker	Stones/Clinker	Stones/Clinker	Stones/Clinker	
Metals															
Arsenic	M	mg/kg	1	16.1	17.2	15.4	n/t	20.7	n/t	10.8	n/t	77.8	21.8	11.2	
Beryllium	U	mg/kg	1	< 1.0	1.0	< 1.0	n/t	< 1.0	n/t	1.3	n/t	2.9	1.5	< 1.0	
Cadmium	M	mg/kg	0.5	1.0	< 0.5	< 0.5	n/t	1.3	n/t	< 0.5	n/t	0.6	1.2	0.6	
Chromium	M	mg/kg	5	29.8	32.6	35.3	n/t	38.4	n/t	37.7	n/t	31.8	39.6	29.0	
Copper	M	mg/kg	5	26.1	29.3	6.4	n/t	33.3	n/t	25.5	n/t	125	43.7	28.0	
Lead	M	mg/kg	5	214	159	39.0	n/t	460	n/t	37.8	n/t	394	412	87.7	
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	n/t	1.0	n/t	< 0.5	n/t	< 0.5	0.6	< 0.5	
Nickel	M	mg/kg	5	17.6	19.5	23.1	n/t	18.9	n/t	28.6	n/t	75.1	22.4	23.1	
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	n/t	< 1.0	n/t	< 1.0	n/t	1.9	< 1.0	< 1.0	
Vanadium	M	mg/kg	5	28.1	33.2	41.7	n/t	35.1	n/t	41.5	n/t	66.5	38.7	29.6	
Zinc	M	mg/kg	5	183	133	57.8	n/t	328	n/t	120	n/t	263	323	158	
Anions															
Water Soluble Sulphate	M	g/l	0.02	< 0.02	< 0.02	0.02	n/t	0.03	n/t	0.03	n/t	0.13	0.02	0.05	
Inorganics															
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	n/t	< 0.8	n/t	< 0.8	n/t	< 0.8	< 0.8	< 0.8	
Water Soluble Boron	N	mg/kg	0.5	1.0	0.8	0.6	n/t	1.1	n/t	1.1	n/t	1.2	3.6	0.7	
Miscellaneous															
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	n/t	n/t	n/t	< 0.1	n/t	< 0.1	n/t	n/t	n/t	
pH	M	pH units	0.1	7.2	7.7	7.7	n/t	7.6	8.0	6.5	8.3	7.8	7.5	8.0	
Total Organic Carbon	N	%	0.01	4.7	2.1	0.62	n/t	4.3	0.95	0.82	5.0	31	4.3	6.0	
Phenols															
Phenol	M	mg/kg	1	< 1	< 1	< 1	n/t	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
M,P-Cresol	N	mg/kg	1	< 1	< 1	< 1	n/t	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
O-Cresol	N	mg/kg	1	< 1	< 1	< 1	n/t	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
3,4-Dimethylphenol	N	mg/kg	1	< 1	< 1	< 1	n/t	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
2,3-Dimethylphenol	M	mg/kg	1	< 1	< 1	< 1	n/t	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
2,3,5-trimethylphenol	M	mg/kg	1	< 1	< 1	< 1	n/t	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
Total Monohydric Phenols	N	mg/kg	5	< 5	< 5	< 5	n/t	< 5	n/t	< 5	n/t	< 5	< 5	< 5	



Results Summary

Report No.: 22-39660, issue number 1

ELAB Reference	273145	273147	273148	273149	273150	273151	273153	273154	273155	273156	273160
Customer Reference	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Sample ID											
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS06	WS06	WS07	WS09
Sample Depth (m)	0.10 - 0.20	0.10 - 0.20	0.60 - 0.70	0.10 - 0.20	0.20 - 0.30	0.35 - 0.50	0.80 - 1.00	0.10 - 0.20	0.40 - 0.50	0.20 - 0.30	0.10 - 0.20
Sampling Date	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022

Determinand	Codes	Units	LOD											
Polyaromatic hydrocarbons**														
Naphthalene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	0.1
Acenaphthylene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	0.1
Fluorene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	0.3	< 0.1	0.5
Anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	0.2
Fluoranthene	M	mg/kg	0.1	0.5	< 0.1	< 0.1	n/t	0.2	n/t	< 0.1	n/t	0.9	< 0.1	1.5
Pyrene	M	mg/kg	0.1	0.4	< 0.1	< 0.1	n/t	0.1	n/t	< 0.1	n/t	0.8	< 0.1	2.3
Benzo(a)anthracene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	n/t	0.1	n/t	< 0.1	n/t	0.7	< 0.1	1.1
Chrysene	M	mg/kg	0.1	0.3	< 0.1	< 0.1	n/t	0.1	n/t	< 0.1	n/t	0.6	< 0.1	1.6
Benzo(b)fluoranthene	M	mg/kg	0.1	0.4	< 0.1	< 0.1	n/t	0.2	n/t	< 0.1	n/t	0.5	< 0.1	6.1
Benzo(k)fluoranthene	M	mg/kg	0.1	0.4	< 0.1	< 0.1	n/t	0.2	n/t	< 0.1	n/t	0.5	< 0.1	3.0
Benzo(a)pyrene	M	mg/kg	0.1	0.3	< 0.1	< 0.1	n/t	0.2	n/t	< 0.1	n/t	0.5	< 0.1	5.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	0.3	< 0.1	< 0.1	n/t	0.2	n/t	< 0.1	n/t	0.2	< 0.1	4.0
Dibenzo(a,h)anthracene	M	mg/kg	0.1	< 0.1	< 0.1	< 0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	0.7
Benzo(g,h,i)perylene	M	mg/kg	0.1	0.3	< 0.1	< 0.1	n/t	0.2	n/t	< 0.1	n/t	0.2	< 0.1	5.7
Total PAH(16)	M	mg/kg	0.4	3.3	< 0.4	< 0.4	n/t	1.6	n/t	< 0.4	n/t	5.5	< 0.4	32.3
Total (of 17) PAHs	N	mg/kg	2	n/t	n/t	n/t	n/t	n/t	< 2	n/t	114	n/t	n/t	n/t
Naphthalene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Acenaphthylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Acenaphthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Fluorene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Phenanthrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Benzo(a)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Chrysene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Benzo(a)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
Total PAH(16) GCMS	N	mg/kg	0.04	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t

Tests marked N are not UKAS accredited.

Results Summary

Report No.: 22-39660, issue number 1

ELAB Reference	273145	273147	273148	273149	273150	273151	273153	273154	273155	273156	273160
Customer Reference	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Sample ID											
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS01	WS02	WS02	WS03	WS03	WS04	WS05	WS06	WS06	WS07	WS09
Sample Depth (m)	0.10 - 0.20	0.10 - 0.20	0.60 - 0.70	0.10 - 0.20	0.20 - 0.30	0.35 - 0.50	0.80 - 1.00	0.10 - 0.20	0.40 - 0.50	0.20 - 0.30	0.10 - 0.20
Sampling Date	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022

Determinand	Codes	Units	LOD											
BTEX														
Benzene	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
Toluene	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
Ethylbenzene	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
Xylenes	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
MTBE	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
Total BTEX	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t
TPH CWG														
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
>C8-C10 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t
>C10-C12 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t
>C12-C16 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t	7.2	n/t	n/t	n/t
>C16-C21 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	n/t	1.4	n/t	n/t	n/t	26.0	n/t	n/t	n/t
>C21-C35 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	n/t	11.2	n/t	n/t	n/t	479	n/t	n/t	n/t
>C35-C40 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	n/t	2.3	n/t	n/t	n/t	445	n/t	n/t	n/t
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t	< 0.01	n/t	n/t	n/t
>C8-C10 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t
>C10-C12 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t	< 1.0	n/t	n/t	n/t
>C12-C16 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	n/t	1.3	n/t	n/t	n/t	2.3	n/t	n/t	n/t
>C16-C21 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	n/t	12.5	n/t	n/t	n/t	45.8	n/t	n/t	n/t
>C21-C35 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	n/t	194	n/t	n/t	n/t	1580	n/t	n/t	n/t
>C35-C40 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	n/t	42.7	n/t	n/t	n/t	690	n/t	n/t	n/t
Total (>C5-C40) Ali/Aro (HS_1D_MS+EH_CU_1D_Total)	N	mg/kg	1	n/t	n/t	n/t	266	n/t	n/t	n/t	3280	n/t	n/t	n/t
Total Petroleum Hydrocarbons														
Mineral Oil w Florisil (EH_CU_1D_Total)	N	mg/kg	5	n/t	n/t	n/t	n/t	n/t	< 5	n/t	6170	n/t	n/t	n/t
PCB (ICES 7 congeners)														
Total PCBs (7 congeners)	M	mg/kg	0.03	n/t	n/t	n/t	n/t	n/t	< 0.03	n/t	< 0.03	n/t	n/t	n/t

** Sample 273162 PAH Tested by GCMS due to interferences.

Results Summary

Report No.: 22-39660, issue number 1

ELAB Reference	273162	273163	273166	273170	273172	273174	273175	273176
Customer Reference	ES	ES	ES	ES	ES	ES	ES	ES
Sample ID								
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS10	WS10	WS12	WS14	WS15	WS16	WS16	WS17
Sample Depth (m)	0.20 - 0.30	1.10 - 1.20	0.10 - 0.20	0.10 - 0.20	0.10 - 0.20	0.30 - 0.40	0.50 - 0.60	0.40 - 0.60
Sampling Date	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022

Determinand	Codes	Units	LOD									
Soil sample preparation parameters												
Moisture Content	N	%	0.1	21.1	19.8	4.6	5.7	5.1	16.5	14.1	16.9	
Material removed	N	%	0.1	19.2	11.4	20.1	21.1	25.8	15.6	< 0.1	17.8	
Description of Inert material removed	N		0	Stones/Clinker	Stones/Clinker	Stones/Clinker	Stones/Clinker	Stones/Clinker	Stones/Clinker	None	Stones/Clinker	
Metals												
Arsenic	M	mg/kg	1	21.6	23.1	n/t	65.8	n/t	17.5	9.3	71.0	
Beryllium	U	mg/kg	1	1.1	2.4	n/t	< 1.0	n/t	< 1.0	< 1.0	3.4	
Cadmium	M	mg/kg	0.5	1.0	< 0.5	n/t	1.6	n/t	< 0.5	< 0.5	1.1	
Chromium	M	mg/kg	5	28.8	51.5	n/t	26.4	n/t	32.0	40.2	33.6	
Copper	M	mg/kg	5	47.8	24.2	n/t	40.5	n/t	24.9	11.0	127	
Lead	M	mg/kg	5	227	41.9	n/t	160	n/t	72.5	25.7	485	
Mercury	M	mg/kg	0.5	< 0.5	< 0.5	n/t	< 0.5	n/t	< 0.5	< 0.5	< 0.5	
Nickel	M	mg/kg	5	25.0	38.7	n/t	18.6	n/t	20.0	17.9	77.2	
Selenium	M	mg/kg	1	< 1.0	< 1.0	n/t	< 1.0	n/t	< 1.0	< 1.0	1.0	
Vanadium	M	mg/kg	5	30.9	63.4	n/t	34.4	n/t	34.3	39.7	67.7	
Zinc	M	mg/kg	5	289	92.7	n/t	276	n/t	110	67.9	336	
Anions												
Water Soluble Sulphate	M	g/l	0.02	0.04	0.02	n/t	0.06	n/t	0.11	0.06	0.25	
Inorganics												
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	n/t	< 0.8	n/t	< 0.8	< 0.8	< 0.8	
Water Soluble Boron	N	mg/kg	0.5	1.7	< 0.5	n/t	0.9	n/t	1.9	0.7	1.2	
Miscellaneous												
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
pH	M	pH units	0.1	7.7	7.7	n/t	8.1	n/t	7.8	7.6	7.2	
Total Organic Carbon	N	%	0.01	4.8	0.35	n/t	4.3	n/t	4.0	0.60	26	
Phenols												
Phenol	M	mg/kg	1	< 1	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
M,P-Cresol	N	mg/kg	1	< 1	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
O-Cresol	N	mg/kg	1	< 1	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
3,4-Dimethylphenol	N	mg/kg	1	< 1	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
2,3-Dimethylphenol	M	mg/kg	1	< 1	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
2,3,5-trimethylphenol	M	mg/kg	1	< 1	< 1	n/t	< 1	n/t	< 1	< 1	< 1	
Total Monohydric Phenols	N	mg/kg	5	< 5	< 5	n/t	< 5	n/t	< 5	< 5	< 5	



Results Summary

Report No.: 22-39660, issue number 1

ELAB Reference	273162	273163	273166	273170	273172	273174	273175	273176
Customer Reference	ES	ES	ES	ES	ES	ES	ES	ES
Sample ID								
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS10	WS10	WS12	WS14	WS15	WS16	WS16	WS17
Sample Depth (m)	0.20 - 0.30	1.10 - 1.20	0.10 - 0.20	0.10 - 0.20	0.10 - 0.20	0.30 - 0.40	0.50 - 0.60	0.40 - 0.60
Sampling Date	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022

Determinand	Codes	Units	LOD									
Polyaromatic hydrocarbons**												
Naphthalene	M	mg/kg	0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	< 0.1	
Acenaphthylene	M	mg/kg	0.1	n/t	< 0.1	n/t	0.1	n/t	< 0.1	< 0.1	< 0.1	
Acenaphthene	M	mg/kg	0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	< 0.1	
Fluorene	M	mg/kg	0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	< 0.1	
Phenanthrene	M	mg/kg	0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	0.2	
Anthracene	M	mg/kg	0.1	n/t	< 0.1	n/t	< 0.1	n/t	< 0.1	< 0.1	< 0.1	
Fluoranthene	M	mg/kg	0.1	n/t	< 0.1	n/t	0.4	n/t	< 0.1	< 0.1	1.1	
Pyrene	M	mg/kg	0.1	n/t	< 0.1	n/t	0.5	n/t	< 0.1	< 0.1	0.8	
Benzo(a)anthracene	M	mg/kg	0.1	n/t	< 0.1	n/t	0.3	n/t	< 0.1	< 0.1	0.3	
Chrysene	M	mg/kg	0.1	n/t	< 0.1	n/t	0.4	n/t	< 0.1	< 0.1	0.5	
Benzo(b)fluoranthene	M	mg/kg	0.1	n/t	< 0.1	n/t	2.3	n/t	< 0.1	< 0.1	0.6	
Benzo(k)fluoranthene	M	mg/kg	0.1	n/t	< 0.1	n/t	2.4	n/t	< 0.1	< 0.1	0.6	
Benzo(a)pyrene	M	mg/kg	0.1	n/t	< 0.1	n/t	2.3	n/t	< 0.1	< 0.1	0.7	
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	n/t	< 0.1	n/t	2.6	n/t	< 0.1	< 0.1	0.4	
Dibenzo(a,h)anthracene	M	mg/kg	0.1	n/t	< 0.1	n/t	0.3	n/t	< 0.1	< 0.1	< 0.1	
Benzo(g,h,i)perylene	M	mg/kg	0.1	n/t	< 0.1	n/t	2.1	n/t	< 0.1	< 0.1	0.5	
Total PAH(16)	M	mg/kg	0.4	n/t	< 0.4	n/t	14.0	n/t	< 0.4	< 0.4	5.9	
Total (of 17) PAHs	N	mg/kg	2	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Naphthalene GCMS	N	mg/kg	0.01	0.48	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Acenaphthylene GCMS	N	mg/kg	0.01	0.52	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Acenaphthene GCMS	N	mg/kg	0.01	0.54	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Fluorene GCMS	N	mg/kg	0.01	0.49	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Phenanthrene GCMS	N	mg/kg	0.01	1.39	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Anthracene GCMS	N	mg/kg	0.01	0.68	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Fluoranthene GCMS	N	mg/kg	0.01	4.36	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Pyrene GCMS	N	mg/kg	0.01	4.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Benzo(a)anthracene GCMS	N	mg/kg	0.01	2.23	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Chrysene GCMS	N	mg/kg	0.01	2.23	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Benzo(b)fluoranthene GCMS	N	mg/kg	0.01	1.91	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Benzo(k)fluoranthene GCMS	N	mg/kg	0.01	1.89	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Benzo(a)pyrene GCMS	N	mg/kg	0.01	2.17	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Indeno(1,2,3-cd)pyrene GCMS	N	mg/kg	0.01	1.41	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Dibenzo(a,h)anthracene GCMS	N	mg/kg	0.01	0.73	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Benzo(g,h,i)perylene GCMS	N	mg/kg	0.01	1.58	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
Total PAH(16) GCMS	N	mg/kg	0.04	26.6	n/t	n/t	n/t	n/t	n/t	n/t	n/t	

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Results Summary

Report No.: 22-39660, issue number 1

ELAB Reference	273162	273163	273166	273170	273172	273174	273175	273176
Customer Reference	ES	ES	ES	ES	ES	ES	ES	ES
Sample ID								
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	WS10	WS10	WS12	WS14	WS15	WS16	WS16	WS17
Sample Depth (m)	0.20 - 0.30	1.10 - 1.20	0.10 - 0.20	0.10 - 0.20	0.10 - 0.20	0.30 - 0.40	0.50 - 0.60	0.40 - 0.60
Sampling Date	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022	24/03/2022

Determinand	Codes	Units	LOD									
BTEX												
Benzene	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
Toluene	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
Ethylbenzene	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
Xylenes	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
MTBE	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
Total BTEX	N	mg/kg	0.01	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
TPH CWG												
>C5-C6 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
>C6-C8 Aliphatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
>C8-C10 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	< 1.0	n/t	< 1.0	n/t	n/t	n/t	
>C10-C12 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	< 1.0	n/t	< 1.0	n/t	n/t	n/t	
>C12-C16 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	3.4	n/t	1.1	n/t	n/t	n/t	
>C16-C21 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	17.8	n/t	8.4	n/t	n/t	n/t	
>C21-C35 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	728	n/t	217	n/t	n/t	n/t	
>C35-C40 Aliphatic (EH_CU_1D_AL)	N	mg/kg	1	n/t	n/t	681	n/t	145	n/t	n/t	n/t	
>C5-C7 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
>C7-C8 Aromatic (HS_1D_MS)	N	mg/kg	0.01	n/t	n/t	< 0.01	n/t	< 0.01	n/t	n/t	n/t	
>C8-C10 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	< 1.0	n/t	< 1.0	n/t	n/t	n/t	
>C10-C12 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	< 1.0	n/t	< 1.0	n/t	n/t	n/t	
>C12-C16 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	2.8	n/t	< 1.0	n/t	n/t	n/t	
>C16-C21 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	35.0	n/t	10.8	n/t	n/t	n/t	
>C21-C35 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	2080	n/t	573	n/t	n/t	n/t	
>C35-C40 Aromatic (EH_CU_1D_AR)	N	mg/kg	1	n/t	n/t	1180	n/t	315	n/t	n/t	n/t	
Total (>C5-C40) Ali/Aro (HS_1D_MS+EH_CU_1D_Total)	N	mg/kg	1	n/t	n/t	4730	n/t	1270	n/t	n/t	n/t	
Total Petroleum Hydrocarbons												
Mineral Oil w Florisil (EH_CU_1D_Total)	N	mg/kg	5	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	
PCB (ICES 7 congeners)												
Total PCBs (7 congeners)	M	mg/kg	0.03	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t	

** Sample 273162 PAH Tested by GCMS due to interferer

Results Summary

2683

Report No.: 22-39660, issue number 1

WAC Analysis								
Elab Ref:	273154					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	24/03/2022					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	WS06 ES							
Depth (m):	0.10 - 0.20							
Site:	Bens Yard							
Determinand		Code	Units					
Total Organic Carbon		N	%		5.00	3	5	6
Loss on Ignition		M	%			--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC (EH_CU_1D_Total)		M	mg/kg		6170	500	--	--
Total (of 17) PAHs		N	mg/kg		114.0	100	--	--
pH		M			8.3	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			2:1	8:1	10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
			mg/l	mg/l	mg/kg			
Arsenic		N	0.017	0.017	0.17	0.5	2	25
Barium		N	0.080	0.041	0.46	20	100	300
Cadmium		N	< 0.001	< 0.001	< 0.01	0.04	1	5
Chromium		N	< 0.005	< 0.005	< 0.05	0.5	10	70
Copper		N	< 0.005	< 0.005	< 0.05	2	50	100
Mercury		N	< 0.005	< 0.005	< 0.01	0.01	0.2	2
Molybdenum		N	0.030	< 0.005	0.08	0.5	10	30
Nickel		N	0.002	< 0.001	< 0.05	0.4	10	40
Lead		N	< 0.001	< 0.001	< 0.05	0.5	10	50
Antimony		N	0.008	< 0.005	< 0.05	0.06	0.7	5
Selenium		N	< 0.005	< 0.005	< 0.05	0.1	0.5	7
Zinc		N	< 0.005	< 0.005	< 0.05	4	50	200
Chloride		N	< 5	< 5	< 50	800	15000	25000
Fluoride		N	1.000	< 1	< 10	10	150	500
Sulphate		N	110.000	19.000	316.00	1000	20000	50000
Total Dissolved Solids		N	274.000	85.000	1110.00	4000	60000	100000
Phenol Index		N	< 0.01	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon		N	26.400	11.900	139.00	500	800	1000
Leach Test Information								
Eluent Volume (ml)		N	245	1420				
pH		N	7.6	8.2				
Conductivity (uS/cm)		N	409	127				
Temperature (°C)		N	17	18				
Solid Information								
Dry mass of test portion (g)			179					
Moisture (%)			5.9					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

2683

Report No.: 22-39660, issue number 1

WAC Analysis								
Elab Ref:	273151					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	24/03/2022					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	WS04 ES							
Depth (m):	0.35 - 0.50							
Site:	Bens Yard							
Determinand		Code	Units					
Total Organic Carbon		N	%		0.95	3	5	6
Loss on Ignition		M	%			--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC (EH_CU_1D_Total)		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			8.0	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate
Eluate Analysis			2:1	8:1	10:1	Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg		
			mg/l	mg/l	mg/kg			
Arsenic		N	0.010	< 0.005	0.05	0.5	2	25
Barium		N	0.030	0.015	0.16	20	100	300
Cadmium		N	< 0.001	< 0.001	< 0.01	0.04	1	5
Chromium		N	< 0.005	< 0.005	< 0.05	0.5	10	70
Copper		N	0.013	0.007	0.07	2	50	100
Mercury		N	< 0.005	< 0.005	< 0.01	0.01	0.2	2
Molybdenum		N	0.042	0.008	0.10	0.5	10	30
Nickel		N	0.004	0.002	< 0.05	0.4	10	40
Lead		N	0.011	0.004	< 0.05	0.5	10	50
Antimony		N	0.017	0.007	0.08	0.06	0.7	5
Selenium		N	< 0.005	< 0.005	< 0.05	0.1	0.5	7
Zinc		N	0.006	< 0.005	< 0.05	4	50	200
Chloride		N	< 5	< 5	< 50	800	15000	25000
Fluoride		N	< 1	< 1	< 10	10	150	500
Sulphate		N	16.000	10.000	102.00	1000	20000	50000
Total Dissolved Solids		N	267.000	116.000	1280.00	4000	60000	100000
Phenol Index		N	< 0.01	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon		N	52.400	25.000	272.00	500	800	1000
Leach Test Information								
Eluent Volume (ml)		N	130	1280				
pH		N	7.8	7.9				
Conductivity (uS/cm)		N	398	173				
Temperature (°C)		N	16	18				
Solid Information								
Dry mass of test portion (g)			164					
Moisture (%)			22					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

Report No.: 22-39660, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
273145	0.10 - 0.20	WS01 ES	Brown sandy Soil	No asbestos detected	n/t	n/t	n/t	n/t
273147	0.10 - 0.20	WS02 ES	Brown sandy Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
273150	0.20 - 0.30	WS03 ES	Brown sandy Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
273155	0.40 - 0.50	WS06 ES	Brown sandy Soil,Stones,Clinker	No asbestos detected	n/t	n/t	n/t	n/t
273156	0.20 - 0.30	WS07 ES	Brown sandy Soil,Stones	No asbestos detected	n/t	n/t	n/t	n/t
273160	0.10 - 0.20	WS09 ES	Brown sandy soil,Road Stones	No asbestos detected	n/t	n/t	n/t	n/t
273162	0.20 - 0.30	WS10 ES	Brown Soil,Stones,Metal	No asbestos detected	n/t	n/t	n/t	n/t
273170	0.10 - 0.20	WS14 ES	Brown sandy soil,Stones,Tar	No asbestos detected	n/t	n/t	n/t	n/t
273174	0.30 - 0.40	WS16 ES	Brown sandy soil	No asbestos detected	n/t	n/t	n/t	n/t
273176	0.40 - 0.60	WS17 ES	Brown sandy Soil,Stones,Clinker	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 22-39660, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
PAH (GC-MS)	N	As submitted sample	05/04/2022		GC-MS
Hexavalent chromium	N	As submitted sample	01/04/2022	110	Colorimetry
pH	M	Air dried sample	06/04/2022	113	Electromeric
Aqua regia extractable metals	M	Air dried sample	01/04/2022	118	ICPMS
Phenols in solids	M	As submitted sample	01/04/2022	121	HPLC
PAH (GC-FID)	M	As submitted sample	01/04/2022	133	GC-FID
Water soluble anions	M	Air dried sample	01/04/2022	172	Ion Chromatography
Low range Aliphatic hydrocarbons soil	N	As submitted sample	04/04/2022	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	04/04/2022	181	GC-MS
Water soluble boron	N	Air dried sample	01/04/2022	202	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	01/04/2022	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	04/04/2022	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	01/04/2022	214	GC-FID
Asbestos identification	U	Air dried sample	06/04/2022	280	Microscopy
Leachate					
Arsenic	N		06/04/2022	301	ICPMS
Cadmium	N		06/04/2022	301	ICPMS
Chromium	N		06/04/2022	301	ICPMS
Lead	N		06/04/2022	301	ICPMS
Nickel	N		06/04/2022	301	ICPMS
Copper	N		06/04/2022	301	ICPMS
Zinc	N		06/04/2022	301	ICPMS
Mercury	N		06/04/2022	301	ICPMS
Selenium	N		06/04/2022	301	ICPMS
Antimony	N		06/04/2022	301	ICPMS
Barium	N		06/04/2022	301	ICPMS
Molybdenum	N		06/04/2022	301	ICPMS
pH Value	N		06/04/2022	113	Electrometric
Electrical Conductivity	N		06/04/2022	136	Probe
Dissolved Organic Carbon	N		06/04/2022	102	TOC analyser
Chloride	N		06/04/2022	131	Ion Chromatography
Fluoride	N		06/04/2022	131	Ion Chromatography
Sulphate	N		06/04/2022	131	Ion Chromatography
Total Dissolved Solids	N		06/04/2022	144	Gravimetric
Phenol index	N		06/04/2022	121	HPLC
WAC Solids analysis	N				
Total Organic Carbon	N	Air dried sample	04/04/2022	210	IR
Total BTEX	N	As submitted sample	04/04/2022	181	GCMS
Mineral Oil (EH_CU_1D_Total)	N	As submitted sample	01/04/2022	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	01/04/2022	120	GCMS
Total (of 17) PAHs	N	As submitted sample	04/04/2022	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 22-39660, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

LOD LOD refers to limit of detection, except in the case of pH soils and pH waters where it means limit of discrimination.
Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.
ELAB are unable to provide an interpretation or opinion on the content of this report.
The results relate only to the sample received.
PCB congener results may include any coeluting PCBs
Uncertainty of measurement for the determinands tested are available upon request
Unless otherwise stated, sample information has been provided by the client. This may affect the validity of the results.

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month
All water samples will be retained for 7 days following the date of the test report
Charges may apply to extended sample storage

TPH Classification - HWOL Acronym System

HS	Headspace analysis
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent
CU	Clean-up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
2D	GC-GC - Double coil gas chromatography
#1	EH_Total but with humics mathematically subtracted
#2	EH_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry



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Analytical Report Number : 23-72732

Project / Site name:	Bens Yard - Supplementary Investigation	Samples received on:	01/12/2023
Your job number:	P0637 CS J 2119	Samples instructed on/ Analysis started on:	01/12/2023
Your order number:	10044 CS J 2119	Analysis completed by:	13/12/2023
Report Issue Number:	1	Report issued on:	13/12/2023
Samples Analysed:	3 soil samples		

Signed: _____

Dominika Liana
Junior Reporting Specialist
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 23-72732
 Project / Site name: Bens Yard - Supplementary Investigation
 Your Order No: 10044 CS J 2119

Lab Sample Number				2898548	2898549	2898550
Sample Reference				WS201	WS202	WS203
Sample Number				None Supplied	None Supplied	None Supplied
Depth (m)				0.30-0.40	0.40-0.50	0.50-0.60
Date Sampled				30/11/2023	30/11/2023	30/11/2023
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	23	21
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5

Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	Not-detected	-
Asbestos Analyst ID	N/A	N/A	N/A	SPU	SPU	N/A

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.6	8.2	7.8
Water Soluble Sulphate as SO ₄ 16hr extraction (2:1)	mg/kg	2.5	MCERTS	250	250	170
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.124	0.126	0.0841
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	124	126	84.1
Organic Matter (automated)	%	0.1	MCERTS	8.1	5.8	7.4
Total Organic Carbon (TOC) - Automated	%	0.1	MCERTS	4.7	3.4	4.3

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
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Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	5.1	0.11	0.22
Acenaphthylene	mg/kg	0.05	MCERTS	3.8	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	22	< 0.05	0.09
Fluorene	mg/kg	0.05	MCERTS	28	< 0.05	0.05
Phenanthrene	mg/kg	0.05	MCERTS	220	0.24	0.24
Anthracene	mg/kg	0.05	MCERTS	60	0.07	0.06
Fluoranthene	mg/kg	0.05	MCERTS	350	0.7	0.41
Pyrene	mg/kg	0.05	MCERTS	260	0.6	0.4
Benzo(a)anthracene	mg/kg	0.05	MCERTS	150	0.47	0.36
Chrysene	mg/kg	0.05	MCERTS	160	0.49	0.4
Benzo(b)fluoranthene	mg/kg	0.05	ISO 17025	210	0.86	0.77
Benzo(k)fluoranthene	mg/kg	0.05	ISO 17025	78	0.27	0.27
Benzo(a)pyrene	mg/kg	0.05	MCERTS	160	0.61	0.61
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	85	0.43	0.38
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	22	0.12	0.09
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	90	0.52	0.46

Total PAH

Speciated Total EPA-16 PAHs	mg/kg	0.8	ISO 17025	1910	5.49	4.81
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Analytical Report Number: 23-72732
 Project / Site name: Bens Yard - Supplementary Investigation
 Your Order No: 10044 CS J 2119

Lab Sample Number	2898548	2898549	2898550
Sample Reference	WS201	WS202	WS203
Sample Number	None Supplied	None Supplied	None Supplied
Depth (m)	0.30-0.40	0.40-0.50	0.50-0.60
Date Sampled	30/11/2023	30/11/2023	30/11/2023
Time Taken	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status

Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	18	20
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.56	0.96	0.8
Boron (water soluble)	mg/kg	0.2	MCERTS	0.8	4.8	4.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	1.4	1.3	1.2
Chromium (hexavalent)	mg/kg	1.8	MCERTS	< 1.8	< 1.8	< 1.8
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	14	28	26
Copper (aqua regia extractable)	mg/kg	1	MCERTS	110	37	43
Lead (aqua regia extractable)	mg/kg	1	MCERTS	620	830	540
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	1.2	0.7
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	8.7	17	19
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	17	28	26
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	270	320	250

Monoaromatics & Oxygenates

Benzene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Toluene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Ethylbenzene#	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0
p & m-xylene	µg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
o-xylene#	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	5	NONE	< 5.0	< 5.0	< 5.0

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6 _{HS,1D,AL}	mg/kg	0.02	NONE	< 0.020	< 0.020	< 0.020
TPH-CWG - Aliphatic >EC6 - EC8 _{HS,1D,AL}	mg/kg	0.02	NONE	< 0.020	< 0.020	< 0.020
TPH-CWG - Aliphatic >EC8 - EC10 _{HS,1D,AL}	mg/kg	0.05	NONE	< 0.050	< 0.050	< 0.050
TPH-CWG - Aliphatic >EC10 - EC12 _{EH,CU,1D,AL}	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
TPH-CWG - Aliphatic >EC12 - EC16 _{EH,CU,1D,AL}	mg/kg	2	MCERTS	12	< 2.0	< 2.0
TPH-CWG - Aliphatic >EC16 - EC21 _{EH,CU,1D,AL}	mg/kg	8	MCERTS	32	< 8.0	< 8.0
TPH-CWG - Aliphatic >EC21 - EC35 _{EH,CU,1D,AL}	mg/kg	8	MCERTS	120	< 8.0	10
TPH-CWG - Aliphatic >EC35 - EC40 _{EH,CU,1D,AL}	mg/kg	10	NONE	65	< 10	< 10
TPH-CWG - Aliphatic (EC5 - EC35) _{EH,CU+HS,1D,AL}	mg/kg	10	NONE	170	< 10	12

TPH-CWG - Aromatic >EC5 - EC7 _{HS,1D,AR}	mg/kg	0.01	NONE	< 0.010	< 0.010	< 0.010
TPH-CWG - Aromatic >EC7 - EC8 _{HS,1D,AR}	mg/kg	0.01	NONE	< 0.010	< 0.010	< 0.010
TPH-CWG - Aromatic >EC8 - EC10 _{HS,1D,AR}	mg/kg	0.05	NONE	< 0.050	< 0.050	< 0.050
TPH-CWG - Aromatic >EC10 - EC12 _{EH,CU,1D,AR}	mg/kg	1	MCERTS	1.4	< 1.0	< 1.0
TPH-CWG - Aromatic >EC12 - EC16 _{EH,CU,1D,AR}	mg/kg	2	MCERTS	41	< 2.0	< 2.0
TPH-CWG - Aromatic >EC16 - EC21 _{EH,CU,1D,AR}	mg/kg	10	MCERTS	460	< 10	< 10
TPH-CWG - Aromatic >EC21 - EC35 _{EH,CU,1D,AR}	mg/kg	10	MCERTS	1000	11	10
TPH-CWG - Aromatic >EC35 - EC40 _{EH,CU,1D,AR}	mg/kg	10	NONE	180	< 10	< 10
TPH-CWG - Aromatic (EC5 - EC35) _{EH,CU+HS,1D,AR}	mg/kg	10	NONE	1500	14	13
TPH Total C5 - C40 _{EH,CU+HS,1D,TOTAL}	mg/kg	10	NONE	1900	19	30

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected



Analytical Report Number : 23-72732

Project / Site name: Bens Yard - Supplementary Investigation

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2898548	WS201	None Supplied	0.30-0.40	Brown sandy clay with gravel.
2898549	WS202	None Supplied	0.40-0.50	Brown clay and sand with gravel.
2898550	WS203	None Supplied	0.50-0.60	Brown clay and sand with gravel.

Analytical Report Number : 23-72732

Project / Site name: Bens Yard - Supplementary Investigation

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards. Refer to CoA for analyte specific accreditation.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total organic carbon (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS. Individual components MCERTS accredited	In-house method based on USEPA8260. Refer to CoA for analyte specific accreditation	L073B-PL	W	MCERTS
TPH in (Soil)	Determination of TPH bands by HS-GC-MS/GC-FID	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	D	NONE
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID. Refer to CoA for band specific accreditation.	In-house method with silica gel split/clean up.	L088/76-PL	D	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in NaOH and addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS

Analytical Report Number : 23-72732

Project / Site name: Bens Yard - Supplementary Investigation

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Information in Support of Analytical Results

List of HWOL Acronyms and Operators

Acronym	Descriptions
HS	Headspace Analysis
MS	Mass spectrometry
FID	Flame Ionisation Detector
GC	Gas Chromatography
EH	Extractable Hydrocarbons (i.e. everything extracted by the solvent(s))
CU	Clean-up - e.g. by Florisil®, silica gel
1D	GC - Single coil/column gas chromatography
2D	GC-GC - Double coil/column gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics
AR	Aromatics
#1	EH_2D_Total but with humics mathematically subtracted
#2	EH_2D_Total but with fatty acids mathematically subtracted
_	Operator - understore to separate acronyms (exception for +)
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total

- Data reported unaccredited due to quality control parameter failure associated with this result; other checks applied prior to reporting the data have been accepted. The result should be considered as being deviating and may be compromised

Sample Deviation Report



Analytical Report Number : 23-72732

Project / Site name: Bens Yard - Supplementary Investigation

This deviation report indicates the sample and test deviations that apply to the samples submitted for analysis. Please note that the associated result(s) may be unreliable and should be interpreted with care.

Key: a - No sampling date b - Incorrect container c - Holding time d - Headspace e - Temperature

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
WS201	None Supplied	S	2898548	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS201	None Supplied	S	2898548	b	TPHCWG (Soil)	L088/76-PL	b
WS202	None Supplied	S	2898549	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS202	None Supplied	S	2898549	b	TPHCWG (Soil)	L088/76-PL	b
WS203	None Supplied	S	2898550	b	BTEX and MTBE in soil (Monoaromatics)	L073B-PL	b
WS203	None Supplied	S	2898550	b	TPHCWG (Soil)	L088/76-PL	b

End Use Scenario	SOM	Code	(All)
Residential with Home Grown Produce	1.0%	Code2	(All)
		St. Ref	(All)

**CS-1363
HUMAN HEALTH
ASSESSMENT**



Min Value (mg/kg)	Max Value (mg/kg)	Count Values	No. of Exceedances	Screen Level (mg/kg)	Ref.	Group	Contaminant	Location ID	WS01	WS03		WS04	WS06		WS07	WS02		WS09	WS10		
								Depth Top and Base (m)	0.1	0.1	0.2	0.35	0.1	0.4	0.2	0.1	0.6	0.1	0.2	1.1	
								0.2	0.2	0.3	0.5	0.2	0.5	0.3	0.2	0.7	0.2	0.3	1.2		
0.02	77.80	16	3	37	1.01	Heavy Metals	Arsenic	16.10			20.70	0.02	0.03		77.80	21.80	17.20	15.40	11.20	21.60	23.10
1.00	3.40	14	3	1.7	1.02	Heavy Metals	Beryllium	1.00			1.00				2.90	1.50	1.00	1.00	1.00	1.10	2.40
0.00	1.60	16	-	22	1.03	Heavy Metals	Cadmium	1.00			1.30	0.00	0.00		0.60	1.20	0.50	0.50	0.60	1.00	0.50
0.01	51.50	16	-	910	1.04	Heavy Metals	Chromium	29.80			38.40	0.01	0.01		31.80	39.60	32.60	35.30	29.00	28.80	51.50
0.00	485.00	16	6	200	1.05	Heavy Metals	Lead	214.00			460.00	0.02	0.00		394.00	412.00	159.00	39.00	87.70	227.00	41.90
0.01	1.00	16	-	40	1.06	Heavy Metals	Mercury	0.50			1.00	0.01	0.01		0.50	0.60	0.50	0.50	0.50	0.50	0.50
0.00	77.20	16	-	180	1.07	Heavy Metals	Nickel	17.60			18.90	0.01	0.00		75.10	22.40	19.50	23.10	23.10	25.00	38.70
0.01	1.90	16	-	250	1.08	Heavy Metals	Selenium	1.00			1.00	0.01	0.01		1.90	1.00	1.00	1.00	1.00	1.00	1.00
28.10	67.70	14	-	410	1.09	Heavy Metals	Vanadium	28.10			35.10				66.50	38.70	33.20	41.70	29.60	30.90	63.40
0.50	3.60	14	-	290	2.01	Inorganics	Water Soluble Boron	1.00			1.10				1.20	3.60	0.80	0.60	0.70	1.70	0.50
0.80	0.80	14	-	21	2.02	Inorganics	Hexavalent Chromium	0.80			0.80				0.80	0.80	0.80	0.80	0.80	0.80	0.80
0.01	127.00	16	-	2400	3.01	Phytotoxic Metals	Copper	26.10			33.30	0.02	0.01		125.00	43.70	29.30	6.40	28.00	47.80	24.20
0.01	336.00	16	-	3700	3.02	Phytotoxic Metals	Zinc	183.00			328.00	0.01	0.01		263.00	323.00	133.00	57.80	158.00	289.00	92.70
1.00	1.00	14	-	280	4.01	Phenols	Phenol	1.00			1.00				1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.10	0.10	13	-	2.3	5.01	PAHs	Naphthalene	0.10			0.10				0.10	0.10	0.10	0.10	0.10		0.10
0.10	0.10	13	-	170	5.02	PAHs	Acenaphthylene	0.10			0.10				0.10	0.10	0.10	0.10	0.10		0.10
0.10	0.10	13	-	210	5.03	PAHs	Acenaphthene	0.10			0.10				0.10	0.10	0.10	0.10	0.10		0.10
0.10	0.10	13	-	170	5.04	PAHs	Fluorene	0.10			0.10				0.10	0.10	0.10	0.10	0.10		0.10
0.10	0.50	13	-	95	5.05	PAHs	Phenanthrene	0.10			0.10				0.30	0.10	0.10	0.10	0.50		0.10
0.10	0.20	13	-	2400	5.06	PAHs	Anthracene	0.10			0.10				0.10	0.10	0.10	0.10	0.20		0.10
0.10	1.50	13	-	280	5.07	PAHs	Fluoranthene	0.50			0.20				0.90	0.10	0.10	0.10	1.50		0.10
0.10	2.30	13	-	620	5.08	PAHs	Pyrene	0.40			0.10				0.80	0.10	0.10	0.10	2.30		0.10
0.10	1.10	13	-	7.2	5.09	PAHs	Benzo(a)anthracene	0.20			0.10				0.70	0.10	0.10	0.10	1.10		0.10
0.10	1.60	13	-	15	5.10	PAHs	Chrysene	0.30			0.10				0.60	0.10	0.10	0.10	1.60		0.10
0.10	6.10	13	1	2.6	5.11	PAHs	Benzo(b)fluoranthene	0.40			0.20				0.50	0.10	0.10	0.10	6.10		0.10
0.10	3.00	13	-	77	5.12	PAHs	Benzo(k)fluoranthene	0.40			0.20				0.50	0.10	0.10	0.10	3.00		0.10
0.10	5.10	13	1	5	5.13	PAHs	Benzo(a)pyrene	0.30			0.20				0.50	0.10	0.10	0.10	5.10		0.10
0.10	4.00	13	-	27	5.14	PAHs	Indeno(1,2,3-cd)pyrene	0.30			0.20				0.20	0.10	0.10	0.10	4.00		0.10
0.10	0.70	13	2	0.24	5.15	PAHs	Dibenzo(a,h)anthracene	0.10			0.10				0.10	0.10	0.10	0.10	0.70		0.10
0.10	5.70	13	-	320	5.16	PAHs	Benzo[g,h,i]perylene	0.30			0.20				0.20	0.10	0.10	0.10	5.70		0.10
0.01	0.01	4	-	0.87	6.17	Fuel Range Hydrocarbons	Benzene			0.01			0.01								
0.01	0.01	4	-	130	6.18	Fuel Range Hydrocarbons	Toluene			0.01			0.01								
0.01	0.01	4	-	47	6.19	Fuel Range Hydrocarbons	Ethylbenzene			0.01			0.01								
0.01	0.01	4	-	56	6.2	Fuel Range Hydrocarbons	Xylenes			0.01			0.01								

End Use Scenario	SOM	Code	(All)
Residential with Home Grown Produce	1.0%	Code2	(All)
		St. Ref	(All)

**CS-1363
HUMAN HEALTH
ASSESSMENT**

Min Value (mg/kg)	Max Value (mg/kg)	Count Values	No. of Exceedances	Screen Level (mg/kg)	Ref.	Group	Contaminant	Location ID	WS12	WS15	WS05	WS14	WS16		WS17
								Depth Top and Base (m)							0.1
								0.2	0.2	1	0.2	0.4	0.6	0.6	
0.02	77.80	16	3	37	1.01	Heavy Metals	Arsenic				10.80	65.80	17.50	9.30	71.00
1.00	3.40	14	3	1.7	1.02	Heavy Metals	Beryllium				1.30	1.00	1.00	1.00	3.40
0.00	1.60	16	-	22	1.03	Heavy Metals	Cadmium				0.50	1.60	0.50	0.50	1.10
0.01	51.50	16	-	910	1.04	Heavy Metals	Chromium				37.70	26.40	32.00	40.20	33.60
0.00	485.00	16	6	200	1.05	Heavy Metals	Lead				37.80	160.00	72.50	25.70	485.00
0.01	1.00	16	-	40	1.06	Heavy Metals	Mercury				0.50	0.50	0.50	0.50	0.50
0.00	77.20	16	-	180	1.07	Heavy Metals	Nickel				28.60	18.60	20.00	17.90	77.20
0.01	1.90	16	-	250	1.08	Heavy Metals	Selenium				1.00	1.00	1.00	1.00	1.00
28.10	67.70	14	-	410	1.09	Heavy Metals	Vanadium				41.50	34.40	34.30	39.70	67.70
0.50	3.60	14	-	290	2.01	Inorganics	Water Soluble Boron				1.10	0.90	1.90	0.70	1.20
0.80	0.80	14	-	21	2.02	Inorganics	Hexavalent Chromium				0.80	0.80	0.80	0.80	0.80
0.01	127.00	16	-	2400	3.01	Phytotoxic Metals	Copper				25.50	40.50	24.90	11.00	127.00
0.01	336.00	16	-	3700	3.02	Phytotoxic Metals	Zinc				120.00	276.00	110.00	67.90	336.00
1.00	1.00	14	-	280	4.01	Phenols	Phenol				1.00	1.00	1.00	1.00	1.00
0.10	0.10	13	-	2.3	5.01	PAHs	Naphthalene				0.10	0.10	0.10	0.10	0.10
0.10	0.10	13	-	170	5.02	PAHs	Acenaphthylene				0.10	0.10	0.10	0.10	0.10
0.10	0.10	13	-	210	5.03	PAHs	Acenaphthene				0.10	0.10	0.10	0.10	0.10
0.10	0.10	13	-	170	5.04	PAHs	Fluorene				0.10	0.10	0.10	0.10	0.10
0.10	0.50	13	-	95	5.05	PAHs	Phenanthrene				0.10	0.10	0.10	0.10	0.20
0.10	0.20	13	-	2400	5.06	PAHs	Anthracene				0.10	0.10	0.10	0.10	0.10
0.10	1.50	13	-	280	5.07	PAHs	Fluoranthene				0.10	0.40	0.10	0.10	1.10
0.10	2.30	13	-	620	5.08	PAHs	Pyrene				0.10	0.50	0.10	0.10	0.80
0.10	1.10	13	-	7.2	5.09	PAHs	Benzo(a)anthracene				0.10	0.30	0.10	0.10	0.30
0.10	1.60	13	-	15	5.10	PAHs	Chrysene				0.10	0.40	0.10	0.10	0.50
0.10	6.10	13	1	2.6	5.11	PAHs	Benzo(b)fluoranthene				0.10	2.30	0.10	0.10	0.60
0.10	3.00	13	-	77	5.12	PAHs	Benzo(k)fluoranthene				0.10	2.40	0.10	0.10	0.60
0.10	5.10	13	1	5	5.13	PAHs	Benzo(a)pyrene				0.10	2.30	0.10	0.10	0.70
0.10	4.00	13	-	27	5.14	PAHs	Indeno(1,2,3-cd)pyrene				0.10	2.60	0.10	0.10	0.40
0.10	0.70	13	2	0.24	5.15	PAHs	Dibenzo(a,h)anthracene				0.10	0.30	0.10	0.10	0.10
0.10	5.70	13	-	320	5.16	PAHs	Benzo[g,h,i]perylene				0.10	2.10	0.10	0.10	0.50
0.01	0.01	4	-	0.87	6.17	Fuel Range Hydrocarbons	Benzene	0.01	0.01						
0.01	0.01	4	-	130	6.18	Fuel Range Hydrocarbons	Toluene	0.01	0.01						
0.01	0.01	4	-	47	6.19	Fuel Range Hydrocarbons	Ethylbenzene	0.01	0.01						
0.01	0.01	4	-	56	6.2	Fuel Range Hydrocarbons	Xylenes	0.01	0.01						

End Use Scenario
Phytotoxic

Code	(All)
Code2	(All)
St. Ref	(All)

**CS-1363
PHYTOTOXIC
REPORT**



Min Value	Max Value	Count Values	No. of Exceed - ances	Screen Level	Location ID			WS01	WS03	WS04	WS06		WS07	WS02		WS09	WS10		WS05	WS14
					Depth Top and Base			0.1	0.2	0.35	0.1	0.4	0.2	0.1	0.6	0.1	0.2	1.1	0.8	0.1
					Ref.	Group	Contaminant	0.2	0.3	0.5	0.2	0.5	0.3	0.2	0.7	0.2	0.3	1.2	1	0.2
0.00	1.60	16	-	8	1.03	Heavy Metals	Cadmium	1.00	1.30	0.00	0.00	0.60	1.20	0.50	0.50	0.60	1.00	0.50	0.50	1.60
0.01	51.50	16	-	154	1.04	Heavy Metals	Chromium	29.80	38.40	0.01	0.01	31.80	39.60	32.60	35.30	29.00	28.80	51.50	37.70	26.40
0.01	1.00	16	-	28	1.06	Heavy Metals	Mercury	0.50	1.00	0.01	0.01	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
0.00	77.20	16	2	70	1.07	Heavy Metals	Nickel	17.60	18.90	0.01	0.00	75.10	22.40	19.50	23.10	23.10	25.00	38.70	28.60	18.60
0.01	1.90	16	-	10	1.08	Heavy Metals	Selenium	1.00	1.00	0.01	0.01	1.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
0.50	3.60	14	1	3	2.01	Inorganics	Water Soluble Boron	1.00	1.10			1.20	3.60	0.80	0.60	0.70	1.70	0.50	1.10	0.90
0.01	127.00	16	-	130	3.01	Phytotoxic Metals	Copper	26.10	33.30	0.02	0.01	125.00	43.70	29.30	6.40	28.00	47.80	24.20	25.50	40.50
0.01	336.00	16	3	300	3.02	Phytotoxic Metals	Zinc	183.00	328.00	0.01	0.01	263.00	323.00	133.00	57.80	158.00	289.00	92.70	120.00	276.00

End Use Scenario
Phytotoxic

Code	(All)
Code2	(All)
St. Ref	(All)

**CS-1363
PHYTOTOXIC
REPORT**

Min Value	Max Value	Count Values	No. of Exceed - ances	Screen Level	Location ID			WS16		WS17
					Depth Top and Base			0.3	0.5	0.4
					Ref.	Group	Contaminant	0.4	0.6	0.6
0.00	1.60	16	-	8	1.03	Heavy Metals	Cadmium	0.50	0.50	1.10
0.01	51.50	16	-	154	1.04	Heavy Metals	Chromium	32.00	40.20	33.60
0.01	1.00	16	-	28	1.06	Heavy Metals	Mercury	0.50	0.50	0.50
0.00	77.20	16	2	70	1.07	Heavy Metals	Nickel	20.00	17.90	77.20
0.01	1.90	16	-	10	1.08	Heavy Metals	Selenium	1.00	1.00	1.00
0.50	3.60	14	1	3	2.01	Inorganics	Water Soluble Boron	1.90	0.70	1.20
0.01	127.00	16	-	130	3.01	Phytotoxic Metals	Copper	24.90	11.00	127.00
0.01	336.00	16	3	300	3.02	Phytotoxic Metals	Zinc	110.00	67.90	336.00

Geology Code	(All)
Geology Code2	(All)
Stratum Reference	(All)

**CS-1363
ASBESTOS
REPORT**



Location ID Depth Top and Base	WS01	WS03	WS06	WS07	WS02	WS09	WS10	WS14	WS16	WS17	Grand Total
	0.1	0.2	0.4	0.2	0.1	0.1	0.2	0.1	0.3	0.4	
No asbestos detected	1	1	1	1	1	1	1	1	1	1	10
Grand Total	1	1	1	1	1	1	1	1	1	1	10

End Use Scenario	SOM	Code	(All)
Residential with Home Grown Produce	1.0%	Code2	(All)
		St. Ref	(All)

HUMAN HEALTH ASSESSMENT



Min Value (mg/kg)	Max Value (mg/kg)	Count Values	No. of Exceed -ances	Screen Level (mg/kg)	Location ID			WS201	WS202	WS203
					Ref.	Group	Contaminant Reported	0.3	0.4	0.5
					Depth Top and Base (m)			0.4	0.5	0.6
12.00	20.00	3	-	37	1.01	Heavy Metals	Arsenic	12.00	18.00	20.00
0.56	0.96	3	-	1.7	1.02	Heavy Metals	Beryllium	0.56	0.96	0.80
1.20	1.40	3	-	22	1.03	Heavy Metals	Cadmium	1.40	1.30	1.20
14.00	28.00	3	-	910	1.04	Heavy Metals	Chromium	14.00	28.00	26.00
540.00	830.00	3	3	200	1.05	Heavy Metals	Lead	620.00	830.00	540.00
0.30	1.20	3	-	40	1.06	Heavy Metals	Mercury	0.30	1.20	0.70
8.70	19.00	3	-	180	1.07	Heavy Metals	Nickel	8.70	17.00	19.00
1.00	1.00	3	-	250	1.08	Heavy Metals	Selenium	1.00	1.00	1.00
17.00	28.00	3	-	410	1.09	Heavy Metals	Vanadium	17.00	28.00	26.00
0.80	4.80	3	-	290	2.01	Inorganics	Water Soluble Boron	0.80	4.80	4.60
1.80	1.80	3	-	21	2.02	Inorganics	Hexavalent Chromium	1.80	1.80	1.80
37.00	110.00	3	-	2400	3.01	Phytotoxic Metals	Copper	110.00	37.00	43.00
250.00	320.00	3	-	3700	3.02	Phytotoxic Metals	Zinc	270.00	320.00	250.00
1.00	1.00	3	-	280	4.01	Phenols	Phenol	1.00	1.00	1.00
0.11	5.10	3	1	2.3	5.01	PAHs	Naphthalene	5.10	0.11	0.22
0.05	3.80	3	-	170	5.02	PAHs	Acenaphthylene	3.80	0.05	0.05
0.05	22.00	3	-	210	5.03	PAHs	Acenaphthene	22.00	0.05	0.09
0.05	28.00	3	-	170	5.04	PAHs	Fluorene	28.00	0.05	0.05
0.24	220.00	3	1	95	5.05	PAHs	Phenanthrene	220.00	0.24	0.24
0.06	60.00	3	-	2400	5.06	PAHs	Anthracene	60.00	0.07	0.06
0.41	350.00	3	1	280	5.07	PAHs	Fluoranthene	350.00	0.70	0.41
0.40	260.00	3	-	620	5.08	PAHs	Pyrene	260.00	0.60	0.40
0.36	150.00	3	1	7.2	5.09	PAHs	Benzo[a]anthracene	150.00	0.47	0.36
0.40	160.00	3	1	15	5.10	PAHs	Chrysene	160.00	0.49	0.40
0.77	210.00	3	1	2.6	5.11	PAHs	Benzo[b]fluoranthene	210.00	0.86	0.77
0.27	78.00	3	1	77	5.12	PAHs	Benzo[k]fluoranthene	78.00	0.27	0.27
0.61	160.00	3	1	5	5.13	PAHs	Benzo[a]pyrene	160.00	0.61	0.61
0.38	85.00	3	1	27	5.14	PAHs	Indeno[1,2,3-cd]pyrene	85.00	0.43	0.38
0.09	22.00	3	1	0.24	5.15	PAHs	Dibenz[a,h]anthracene	22.00	0.12	0.09
0.46	90.00	3	-	320	5.16	PAHs	Benzo[ghi]perylene	90.00	0.52	0.46
0.02	0.02	3	-	42	6.01	Fuel Range Hydrocarbons	>C5-C6 Aliphatic	0.02	0.02	0.02
0.02	0.02	3	-	100	6.02	Fuel Range Hydrocarbons	>C6-C8 Aliphatic	0.02	0.02	0.02
0.05	0.05	3	-	27	6.03	Fuel Range Hydrocarbons	>C8-C10 Aliphatic	0.05	0.05	0.05
1.00	1.00	3	-	130	6.04	Fuel Range Hydrocarbons	>C10-C12 Aliphatic	1.00	1.00	1.00
2.00	12.00	3	-	1100	6.05	Fuel Range Hydrocarbons	>C12-C16 Aliphatic	12.00	2.00	2.00
8.00	32.00	3	-	65000	6.06	Fuel Range Hydrocarbons	>C16-C21 Aliphatic	32.00	8.00	8.00
8.00	120.00	3	-	65000	6.07	Fuel Range Hydrocarbons	>C21-C35 Aliphatic	120.00	8.00	10.00
10.00	65.00	3	-	65000	6.08	Fuel Range Hydrocarbons	>C35-C40 Aliphatic	65.00	10.00	10.00

End Use Scenario	SOM	Code	(All)
Residential with Home Grown Produce	1.0%	Code2	(All)
		St. Ref	(All)

HUMAN HEALTH ASSESSMENT



Min Value (mg/kg)	Max Value (mg/kg)	Count Values	No. of Exceed -ances	Screen Level (mg/kg)	Ref.	Group	Contaminant Reported	Location ID	WS201	WS202	WS203
								Depth Top and Base (m)	0.3	0.4	0.5
								0.4	0.5	0.6	
0.01	0.01	3	-	70	6.09	Fuel Range Hydrocarbons	>C5-C7 Aromatic		0.01	0.01	0.01
0.01	0.01	3	-	130	6.1	Fuel Range Hydrocarbons	>C7-C8 Aromatic		0.01	0.01	0.01
0.05	0.05	3	-	34	6.11	Fuel Range Hydrocarbons	>C8-C10 Aromatic		0.05	0.05	0.05
1.00	1.40	3	-	74	6.12	Fuel Range Hydrocarbons	>C10-C12 Aromatic		1.40	1.00	1.00
2.00	41.00	3	-	140	6.13	Fuel Range Hydrocarbons	>C12-C16 Aromatic		41.00	2.00	2.00
10.00	460.00	3	1	260	6.14	Fuel Range Hydrocarbons	>C16-C21 Aromatic		460.00	10.00	10.00
10.00	1,000.00	3	-	1100	6.15	Fuel Range Hydrocarbons	>C21-C35 Aromatic		1,000.00	11.00	10.00
10.00	180.00	3	-	1100	6.16	Fuel Range Hydrocarbons	>C35-C40 Aromatic		180.00	10.00	10.00
5.00	5.00	3	3	0.2	6.17	Fuel Range Hydrocarbons	Benzene		5.00	5.00	5.00
5.00	5.00	3	-	130	6.18	Fuel Range Hydrocarbons	Toluene		5.00	5.00	5.00
5.00	5.00	3	-	47	6.19	Fuel Range Hydrocarbons	Ethylbenzene		5.00	5.00	5.00

End Use Scenario
Phytotoxic

Code	(All)
Code2	(All)
St. Ref	(All)

8
PHYTOTOXIC
REPORT



Min Value	Max Value	Count Values	No. of Exceed -ances	Screen Level	Location ID			WS201	WS202	WS203
					Depth Top and Base			0.3	0.4	0.5
					Ref.	Group	Contaminant Reported	0.4	0.5	0.6
1.20	1.40	3	-	8	1.03	Heavy Metals	Cadmium	1.40	1.30	1.20
14.00	28.00	3	-	154	1.04	Heavy Metals	Chromium	14.00	28.00	26.00
0.30	1.20	3	-	28	1.06	Heavy Metals	Mercury	0.30	1.20	0.70
8.70	19.00	3	-	70	1.07	Heavy Metals	Nickel	8.70	17.00	19.00
1.00	1.00	3	-	10	1.08	Heavy Metals	Selenium	1.00	1.00	1.00
0.80	4.80	3	2	3	2.01	Inorganics	Water Soluble Boron	0.80	4.80	4.60
37.00	110.00	3	-	130	3.01	Phytotoxic Metals	Copper	110.00	37.00	43.00
250.00	320.00	3	1	300	3.02	Phytotoxic Metals	Zinc	270.00	320.00	250.00

Geology Code	(All)
Geology Code2	(All)
Stratum Reference	(All)

**ASBESTOS
REPORT**



Location ID Depth Top and Base	WS201	WS202	Grand Total
	0.3	0.4	
Not-detected	1	1	2
Grand Total	1	1	2

Appendix F – Statistical Assessment

	A	B	C	D	E	F	G	H	I	J	K
1	UCL Statistics for Uncensored Full Data Sets										
2											
3	User Selected Options										
4	Date/Time of Computation		ProUCL 5.2 14/12/2023 13:56:43								
5	From File		WorkSheet_a.xls								
6	Full Precision		OFF								
7	Confidence Coefficient		95%								
8	Number of Bootstrap Operations		2000								
9											
10											
11	MG Arsenic										
12											
13	General Statistics										
14	Total Number of Observations				11		Number of Distinct Observations				
15							Number of Missing Observations				
16	Minimum				11.2		Mean				
17	Maximum				77.8		Median				
18	SD				25.46		Std. Error of Mean				
19	Coefficient of Variation				0.784		Skewness				
20											
21	Normal GOF Test										
22	Shapiro Wilk Test Statistic				0.723		Shapiro Wilk GOF Test				
23	1% Shapiro Wilk Critical Value				0.792		Data Not Normal at 1% Significance Level				
24	Lilliefors Test Statistic				0.39		Lilliefors GOF Test				
25	1% Lilliefors Critical Value				0.291		Data Not Normal at 1% Significance Level				
26	Data Not Normal at 1% Significance Level										
27											
28	Assuming Normal Distribution										
29	95% Normal UCL					95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL				46.4		95% Adjusted-CLT UCL (Chen-1995)				
31							95% Modified-t UCL (Johnson-1978)				
32											
33	Gamma GOF Test										
34	A-D Test Statistic				1.179		Anderson-Darling Gamma GOF Test				
35	5% A-D Critical Value				0.738		Data Not Gamma Distributed at 5% Significance Level				
36	K-S Test Statistic				0.355		Kolmogorov-Smirnov Gamma GOF Test				
37	5% K-S Critical Value				0.258		Data Not Gamma Distributed at 5% Significance Level				
38	Data Not Gamma Distributed at 5% Significance Level										
39											
40	Gamma Statistics										
41	k hat (MLE)				2.225		k star (bias corrected MLE)				
42	Theta hat (MLE)				14.6		Theta star (bias corrected MLE)				
43	nu hat (MLE)				48.96		nu star (bias corrected)				
44	MLE Mean (bias corrected)				32.49		MLE Sd (bias corrected)				
45							Approximate Chi Square Value (0.05)				
46	Adjusted Level of Significance				0.0278		Adjusted Chi Square Value				
47											
48	Assuming Gamma Distribution										
49	95% Approximate Gamma UCL				49.95		95% Adjusted Gamma UCL				
50											
51	Lognormal GOF Test										
52	Shapiro Wilk Test Statistic				0.83		Shapiro Wilk Lognormal GOF Test				
53	10% Shapiro Wilk Critical Value				0.876		Data Not Lognormal at 10% Significance Level				
54	Lilliefors Test Statistic				0.317		Lilliefors Lognormal GOF Test				
55	10% Lilliefors Critical Value				0.231		Data Not Lognormal at 10% Significance Level				

	A	B	C	D	E	F	G	H	I	J	K
56	Data Not Lognormal at 10% Significance Level										
57											
58	Lognormal Statistics										
59	Minimum of Logged Data				2.416		Mean of logged Data				
60	Maximum of Logged Data				4.354		SD of logged Data				
61											
62	Assuming Lognormal Distribution										
63	95% H-UCL				55.96		90% Chebyshev (MVUE) UCL				
64	95% Chebyshev (MVUE) UCL				61.8		97.5% Chebyshev (MVUE) UCL				
65	99% Chebyshev (MVUE) UCL				100.4						
66											
67	Nonparametric Distribution Free UCL Statistics										
68	Data do not follow a Discernible Distribution										
69											
70	Nonparametric Distribution Free UCLs										
71	95% CLT UCL				45.12		95% BCA Bootstrap UCL				
72	95% Standard Bootstrap UCL				44.69		95% Bootstrap-t UCL				
73	95% Hall's Bootstrap UCL				41.55		95% Percentile Bootstrap UCL				
74	90% Chebyshev(Mean, Sd) UCL				55.52		95% Chebyshev(Mean, Sd) UCL				
75	97.5% Chebyshev(Mean, Sd) UCL				80.43		99% Chebyshev(Mean, Sd) UCL				
76											
77	Suggested UCL to Use										
78	95% Student's-t UCL				46.4						
79											
80	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL										
81	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.										
82	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician										
83											
84											
85	MG Lead										
86											
87	General Statistics										
88	Total Number of Observations				11		Number of Distinct Observations				
89							Number of Missing Observations				
90	Minimum				72.5		Mean				
91	Maximum				830		Median				
92	SD				235.6		Std. Error of Mean				
93	Coefficient of Variation				0.604		Skewness				
94											
95	Normal GOF Test										
96	Shapiro Wilk Test Statistic				0.955		Shapiro Wilk GOF Test				
97	1% Shapiro Wilk Critical Value				0.792		Data appear Normal at 1% Significance Level				
98	Lilliefors Test Statistic				0.143		Lilliefors GOF Test				
99	1% Lilliefors Critical Value				0.291		Data appear Normal at 1% Significance Level				
100	Data appear Normal at 1% Significance Level										
101											
102	Assuming Normal Distribution										
103	95% Normal UCL					95% UCLs (Adjusted for Skewness)					
104	95% Student's-t UCL				518.6		95% Adjusted-CLT UCL (Chen-1995)				
105							95% Modified-t UCL (Johnson-1978)				
106											
107	Gamma GOF Test										
108	A-D Test Statistic				0.423		Anderson-Darling Gamma GOF Test				
109	5% A-D Critical Value				0.738		Detected data appear Gamma Distributed at 5% Significance Level				
110	K-S Test Statistic				0.231		Kolmogorov-Smirnov Gamma GOF Test				

	A	B	C	D	E	F	G	H	I	J	K	
111	5% K-S Critical Value				0.258	Detected data appear Gamma Distributed at 5% Significance Level						
112	Detected data appear Gamma Distributed at 5% Significance Level											
113												
114	Gamma Statistics											
115	k hat (MLE)				2.26	k star (bias corrected MLE)						
116	Theta hat (MLE)				172.5	Theta star (bias corrected MLE)						
117	nu hat (MLE)				49.72	nu star (bias corrected)						
118	MLE Mean (bias corrected)				389.8	MLE Sd (bias corrected)						
119							Approximate Chi Square Value (0.05)					
120	Adjusted Level of Significance				0.0278	Adjusted Chi Square Value						
121												
122	Assuming Gamma Distribution											
123	95% Approximate Gamma UCL				597.2	95% Adjusted Gamma UCL						
124												
125	Lognormal GOF Test											
126	Shapiro Wilk Test Statistic				0.893	Shapiro Wilk Lognormal GOF Test						
127	10% Shapiro Wilk Critical Value				0.876	Data appear Lognormal at 10% Significance Level						
128	Lilliefors Test Statistic				0.257	Lilliefors Lognormal GOF Test						
129	10% Lilliefors Critical Value				0.231	Data Not Lognormal at 10% Significance Level						
130	Data appear Approximate Lognormal at 10% Significance Level											
131												
132	Lognormal Statistics											
133	Minimum of Logged Data				4.284	Mean of logged Data						
134	Maximum of Logged Data				6.721	SD of logged Data						
135												
136	Assuming Lognormal Distribution											
137	95% H-UCL				834	90% Chebyshev (MVUE) UCL						
138	95% Chebyshev (MVUE) UCL				864.3	97.5% Chebyshev (MVUE) UCL						
139	99% Chebyshev (MVUE) UCL				1447							
140												
141	Nonparametric Distribution Free UCL Statistics											
142	Data appear to follow a Discernible Distribution											
143												
144	Nonparametric Distribution Free UCLs											
145	95% CLT UCL				506.7	95% BCA Bootstrap UCL						
146	95% Standard Bootstrap UCL				500.9	95% Bootstrap-t UCL						
147	95% Hall's Bootstrap UCL				515	95% Percentile Bootstrap UCL						
148	90% Chebyshev(Mean, Sd) UCL				602.9	95% Chebyshev(Mean, Sd) UCL						
149	97.5% Chebyshev(Mean, Sd) UCL				833.5	99% Chebyshev(Mean, Sd) UCL						
150												
151	Suggested UCL to Use											
152	95% Student's-t UCL				518.6							
153												
154	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL											
155	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
156	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
157												
158												
159	MG Beryllium											
160												
161	General Statistics											
162	Total Number of Observations				11	Number of Distinct Observations						
163						Number of Missing Observations						
164	Minimum				0.56	Mean						
165	Maximum				3.4	Median						

	A	B	C	D	E	F	G	H	I	J	K	
166					SD	0.908					Std. Error of Mean	
167					Coefficient of Variation	0.656					Skewness	
168												
169					Normal GOF Test							
170					Shapiro Wilk Test Statistic	0.712				Shapiro Wilk GOF Test		
171					1% Shapiro Wilk Critical Value	0.792				Data Not Normal at 1% Significance Level		
172					Lilliefors Test Statistic	0.35				Lilliefors GOF Test		
173					1% Lilliefors Critical Value	0.291				Data Not Normal at 1% Significance Level		
174					Data Not Normal at 1% Significance Level							
175												
176					Assuming Normal Distribution							
177					95% Normal UCL					95% UCLs (Adjusted for Skewness)		
178					95% Student's-t UCL	1.88				95% Adjusted-CLT UCL (Chen-1995)		
179										95% Modified-t UCL (Johnson-1978)		
180												
181					Gamma GOF Test							
182					A-D Test Statistic	1.164				Anderson-Darling Gamma GOF Test		
183					5% A-D Critical Value	0.733				Data Not Gamma Distributed at 5% Significance Level		
184					K-S Test Statistic	0.32				Kolmogorov-Smirnov Gamma GOF Test		
185					5% K-S Critical Value	0.257				Data Not Gamma Distributed at 5% Significance Level		
186					Data Not Gamma Distributed at 5% Significance Level							
187												
188					Gamma Statistics							
189					k hat (MLE)	3.54				k star (bias corrected MLE)		
190					Theta hat (MLE)	0.391				Theta star (bias corrected MLE)		
191					nu hat (MLE)	77.87				nu star (bias corrected)		
192					MLE Mean (bias corrected)	1.384				MLE Sd (bias corrected)		
193										Approximate Chi Square Value (0.05)		
194					Adjusted Level of Significance	0.0278				Adjusted Chi Square Value		
195												
196					Assuming Gamma Distribution							
197					95% Approximate Gamma UCL	1.934				95% Adjusted Gamma UCL		
198												
199					Lognormal GOF Test							
200					Shapiro Wilk Test Statistic	0.845				Shapiro Wilk Lognormal GOF Test		
201					10% Shapiro Wilk Critical Value	0.876				Data Not Lognormal at 10% Significance Level		
202					Lilliefors Test Statistic	0.288				Lilliefors Lognormal GOF Test		
203					10% Lilliefors Critical Value	0.231				Data Not Lognormal at 10% Significance Level		
204					Data Not Lognormal at 10% Significance Level							
205												
206					Lognormal Statistics							
207					Minimum of Logged Data	-0.58				Mean of logged Data		
208					Maximum of Logged Data	1.224				SD of logged Data		
209												
210					Assuming Lognormal Distribution							
211					95% H-UCL	2.002				90% Chebyshev (MVUE) UCL		
212					95% Chebyshev (MVUE) UCL	2.331				97.5% Chebyshev (MVUE) UCL		
213					99% Chebyshev (MVUE) UCL	3.58						
214												
215					Nonparametric Distribution Free UCL Statistics							
216					Data do not follow a Discernible Distribution							
217												
218					Nonparametric Distribution Free UCLs							
219					95% CLT UCL	1.834				95% BCA Bootstrap UCL		
220					95% Standard Bootstrap UCL	1.812				95% Bootstrap-t UCL		

	A	B	C	D	E	F	G	H	I	J	K
221	95% Hall's Bootstrap UCL					4.671	95% Percentile Bootstrap UCL				
222	90% Chebyshev(Mean, Sd) UCL					2.205	95% Chebyshev(Mean, Sd) UCL				
223	97.5% Chebyshev(Mean, Sd) UCL					3.094	99% Chebyshev(Mean, Sd) UCL				
224											
225	Suggested UCL to Use										
226	95% Student's-t UCL					1.88					
227											
228	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL										
229	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.										
230	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician										
231											

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15	0
16	32.49
17	20.7
18	7.676
19	1.158
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30	47.98
31	46.85
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37	el
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41	1.679
42	19.35
43	36.94
44	25.07
45	24.02
46	22.34
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49	53.72
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59	3.24
60	0.697
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63	52.42
64	74.82
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71	47.83
72	50.71
73	44.34
74	65.95
75	108.9
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88	11
89	0
90	389.8
91	412
92	71.04
93	0.244
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104	512.3
105	519.5
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109	ce Level
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111	ce Level
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115	1.704
116	228.7
117	37.49
118	298.6
119	24.47
120	22.77
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123	641.9
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133	5.728
134	0.806
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137	722.8
138	1061
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145	497.7
146	518.6
147	502.2
148	699.5
149	1097
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162	8
163	0
164	1.384
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166	0.274
167	1.731
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178	1.987
179	1.904
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185	el
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189	2.635
190	0.525
191	57.97
192	0.852
193	41.47
194	39.2
195	
196	
197	2.046
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207	0.177
208	0.534
209	
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211	2.027
212	2.752
213	
214	
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219	1.956
220	3.062

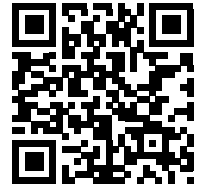
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221	1.838
222	2.577
223	4.108
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230	an.
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Appendix G – Hazwaste Report

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



M05Y6-7FLZX-5B73T

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Job name

Bens Yard

Description/Comments

Project

P0637/CS-1363

Site

Bens Yard

Classified by

Name: **Matthew Carr**
 Date: **20 Apr 2022 15:30 GMT**
 Telephone: **0117 927 7756**
 Company: **T&P Regeneration Ltd**
Unit 4, Brunel Lock Development
Smeaton Road

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification:

CERTIFIED

Course
 Hazardous Waste Classification

Date
 09 Dec 2021

Next 3 year Refresher due by Dec 2024

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01-0.10-0.20-24/03/2022	0.10	Non Hazardous		3
2	WS02-0.10-0.20-24/03/2022	0.10	Non Hazardous		6
3	WS02-0.60-0.70-24/03/2022	0.60	Non Hazardous		9
4	WS03-0.10-0.20-24/03/2022	0.10	Non Hazardous		12
5	WS03-0.20-0.30-24/03/2022	0.20	Non Hazardous		13
6	WS05-0.80-1.00-24/03/2022	0.80	Non Hazardous		16
7	WS06-0.10-0.20-24/03/2022	0.10	Hazardous	HP 3(i), HP 7, HP 11	19
8	WS06-0.40-0.50-24/03/2022	0.40	Non Hazardous		21
9	WS07-0.20-0.30-24/03/2022	0.20	Non Hazardous		24
10	WS09-0.10-0.20-24/03/2022	0.10	Non Hazardous		27
11	WS10-0.20-0.30-24/03/2022	0.20	Non Hazardous		30
12	WS10-1.10-1.20-24/03/2022	1.10	Non Hazardous		33
13	WS12-0.10-0.20-24/03/2022	0.10	Hazardous	HP 3(i), HP 7, HP 11	36
14	WS14-0.10-0.20-24/03/2022	0.10	Non Hazardous		38
15	WS15-0.10-0.20-24/03/2022	0.10	Hazardous	HP 3(i), HP 7, HP 11	41
16	WS16-0.30-0.40-24/03/2022	0.30	Non Hazardous		43
17	WS16-0.50-0.60-24/03/2022	0.50	Non Hazardous		46
18	WS17-0.40-0.60-24/03/2022	0.40	Non Hazardous		49

Related documents

#	Name	Description
1	Bens Yard.HWOL	.hwol file used to create the Job

Report

Created by: Matthew Carr

Created date: 20 Apr 2022 15:30 GMT

Appendices

Appendix A: Classifier defined and non GB MCL determinands

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Appendices	Page
Appendix B: Rationale for selection of metal species	54
Appendix C: Version	54

Classification of sample: WS01-0.10-0.20-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS01-0.10-0.20-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m		
Moisture content:		
26.8%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 26.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1	mg/kg	3.22	2.357	mg/kg	0.000236 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				0.1	mg/kg		0.0732	mg/kg	0.00000732 %	✓	
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				0.5	mg/kg		0.366	mg/kg	0.0000366 %	✓	
		205-912-4	206-44-0									
10	pyrene				0.4	mg/kg		0.293	mg/kg	0.0000293 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				0.2	mg/kg		0.146	mg/kg	0.0000146 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				0.3	mg/kg		0.22	mg/kg	0.000022 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				0.4	mg/kg		0.293	mg/kg	0.0000293 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				0.4	mg/kg		0.293	mg/kg	0.0000293 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				0.3	mg/kg		0.22	mg/kg	0.000022 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				0.3	mg/kg		0.22	mg/kg	0.000022 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				0.3 mg/kg		0.22 mg/kg	0.000022 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	16.1 mg/kg		11.785 mg/kg	0.00118 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1 mg/kg		0.732 mg/kg	0.0000732 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				26.1 mg/kg	1.74	33.239 mg/kg	0.00332 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				17.6 mg/kg	1.546	19.921 mg/kg	0.00199 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	214 mg/kg		156.648 mg/kg	0.0157 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				28.1 mg/kg	1.785	36.72 mg/kg	0.00367 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				183 mg/kg	2.469	330.777 mg/kg	0.0331 %	✓	
31	pH PH				7.2 pH		7.2 pH	7.2 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				29.8 mg/kg	1.462	31.882 mg/kg	0.00319 %	✓	
Total:								0.065 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS02-0.10-0.20-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS02-0.10-0.20-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m	
Moisture content:	
17.2%	
(wet weight correction)	

Hazard properties

None identified





Determinands

Moisture content: 17.2% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				0.8	mg/kg	3.22	2.133	mg/kg	0.000213 %	✔	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	17.2 mg/kg		14.242 mg/kg	0.00142 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				1 mg/kg	8.868	7.343 mg/kg	0.000734 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				29.3 mg/kg	1.74	42.208 mg/kg	0.00422 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				19.5 mg/kg	1.546	24.967 mg/kg	0.0025 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	159 mg/kg		131.652 mg/kg	0.0132 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				33.2 mg/kg	1.785	49.074 mg/kg	0.00491 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				133 mg/kg	2.469	271.929 mg/kg	0.0272 %	✓	
31	pH PH				7.7 pH		7.7 pH	7.7 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				32.6 mg/kg	1.462	39.451 mg/kg	0.00395 %	✓	
Total:								0.0599 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS02-0.60-0.70-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS02-0.60-0.70-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.60 m		
Moisture content:		
19.4%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 19.4% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				0.6	mg/kg	3.22	1.557	mg/kg	0.000156 %	✔	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	15.4 mg/kg		12.412 mg/kg	0.00124 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				6.4 mg/kg	1.74	8.975 mg/kg	0.000897 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				23.1 mg/kg	1.546	28.79 mg/kg	0.00288 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	39 mg/kg		31.434 mg/kg	0.00314 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				41.7 mg/kg	1.785	60 mg/kg	0.006 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				57.8 mg/kg	2.469	115.037 mg/kg	0.0115 %	✓	
31	pH PH				7.7 pH		7.7 pH	7.7 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				35.3 mg/kg	1.462	41.584 mg/kg	0.00416 %	✓	
Total:								0.0324 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS03-0.10-0.20-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS03-0.10-0.20-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m	
Moisture content:	
3.9%	
(wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 3.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
2	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
3	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
5	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
6	TPH (C6 to C40) petroleum group				266 mg/kg		255.626 mg/kg	0.0256 %	✔	
			TPH							
Total:								0.0256 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- <LOD** Below limit of detection
- ND** Not detected

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because At concentrations <1000mg/kg considered unlikely to be flammable in a soil matrix.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0256%)

Classification of sample: WS03-0.20-0.30-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS03-0.20-0.30-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m		
Moisture content:		
19.9%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 19.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	2.837	mg/kg	0.000284 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
		205-912-4	206-44-0									
10	pyrene				0.1	mg/kg		0.0801	mg/kg	0.0000801 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				0.1	mg/kg		0.0801	mg/kg	0.0000801 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				0.1	mg/kg		0.0801	mg/kg	0.0000801 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				0.2	mg/kg		0.16	mg/kg	0.000016 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				0.2 mg/kg		0.16 mg/kg	0.000016 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	20.7 mg/kg		16.581 mg/kg	0.00166 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1.3 mg/kg		1.041 mg/kg	0.000104 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				33.3 mg/kg	1.74	46.406 mg/kg	0.00464 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	1 mg/kg		0.801 mg/kg	0.0000801 %	✓	
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				18.9 mg/kg	1.546	23.409 mg/kg	0.00234 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	460 mg/kg		368.46 mg/kg	0.0368 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				35.1 mg/kg	1.785	50.191 mg/kg	0.00502 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				328 mg/kg	2.469	648.753 mg/kg	0.0649 %	✓	
31	pH PH				7.6 pH		7.6 pH	7.6 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				38.4 mg/kg	1.462	44.955 mg/kg	0.0045 %	✓	
Total:								0.123 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS05-0.80-1.00-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS05-0.80-1.00-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.80 m	
Moisture content:	
17.8%	
(wet weight correction)	

Hazard properties

None identified





Determinands

Moisture content: 17.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1.1	mg/kg	3.22	2.911	mg/kg	0.000291 %	✔	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	10.8 mg/kg		8.878 mg/kg	0.000888 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				1.3 mg/kg	8.868	9.476 mg/kg	0.000948 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				25.5 mg/kg	1.74	36.468 mg/kg	0.00365 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				28.6 mg/kg	1.546	36.353 mg/kg	0.00364 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	37.8 mg/kg		31.072 mg/kg	0.00311 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				41.5 mg/kg	1.785	60.898 mg/kg	0.00609 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				120 mg/kg	2.469	243.571 mg/kg	0.0244 %	✓	
31	pH PH				6.5 pH		6.5 pH	6.5 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 202-461-5 [2] 526-75-0 [4] 203-321-6 [3] 576-26-1 [5] 208-395-3 [4] 1300-71-6 [6] 209-400-1 [5] 71975-58-1 [7] 215-089-3 [6] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				37.7 mg/kg	1.462	45.293 mg/kg	0.00453 %	✓	
Total:								0.0491 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS06-0.10-0.20-24/03/2022

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name: WS06-0.10-0.20-24/03/2022	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0.10 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
Moisture content: 4% (wet weight correction)		

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.315%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.315%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.315%)

Determinands

Moisture content: 4% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	pH				8.3 pH		8.3 pH	8.3 pH		
2	benzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
3	toluene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
4	ethylbenzene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
5	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
6	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]							
		203-396-5 [2]	106-42-3 [2]							
		203-576-3 [3]	108-38-3 [3]							
		215-535-7 [4]	1330-20-7 [4]							
7	TPH (C6 to C40) petroleum group				3280 mg/kg		3148.8 mg/kg	0.315 %	✓	
			TPH							
8	polychlorobiphenyls; PCB				<0.03 mg/kg		<0.03 mg/kg	<0.000003 %		<LOD
	602-039-00-4	215-648-1	1336-36-3							
Total:								0.315 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- <LOD Below limit of detection
- ND Not detected

Classification of sample: WS06-0.40-0.50-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS06-0.40-0.50-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
11.5%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 11.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1.2	mg/kg	3.22	3.42	mg/kg	0.000342 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				0.3	mg/kg		0.266	mg/kg	0.0000266 %	✓	
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				0.9	mg/kg		0.797	mg/kg	0.0000797 %	✓	
		205-912-4	206-44-0									
10	pyrene				0.8	mg/kg		0.708	mg/kg	0.0000708 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				0.7	mg/kg		0.619	mg/kg	0.0000619 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				0.6	mg/kg		0.531	mg/kg	0.0000531 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				0.5	mg/kg		0.443	mg/kg	0.0000442 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				0.5	mg/kg		0.443	mg/kg	0.0000442 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				0.5	mg/kg		0.443	mg/kg	0.0000442 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				0.2	mg/kg		0.177	mg/kg	0.0000177 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				0.2 mg/kg		0.177 mg/kg	0.0000177 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	77.8 mg/kg		68.853 mg/kg	0.00689 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				2.9 mg/kg	8.868	22.76 mg/kg	0.00228 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	0.6 mg/kg		0.531 mg/kg	0.0000531 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				125 mg/kg	1.74	192.465 mg/kg	0.0192 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				75.1 mg/kg	1.546	102.773 mg/kg	0.0103 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	394 mg/kg		348.69 mg/kg	0.0349 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				1.9 mg/kg	1.405	2.363 mg/kg	0.000236 %	✓	
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				66.5 mg/kg	1.785	105.063 mg/kg	0.0105 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				263 mg/kg	2.469	574.741 mg/kg	0.0575 %	✓	
31	pH PH				7.8 pH		7.8 pH	7.8 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				31.8 mg/kg	1.462	41.133 mg/kg	0.00411 %	✓	
Total:								0.148 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS07-0.20-0.30-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS07-0.20-0.30-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m	
Moisture content:	
15.4%	
(wet weight correction)	

Hazard properties

None identified

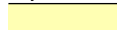



Determinands

Moisture content: 15.4% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				3.6	mg/kg	3.22	9.806	mg/kg	0.000981 %	✔	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	21.8 mg/kg		18.443 mg/kg	0.00184 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				1.5 mg/kg	8.868	11.253 mg/kg	0.00113 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1.2 mg/kg		1.015 mg/kg	0.000102 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				43.7 mg/kg	1.74	64.32 mg/kg	0.00643 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	0.6 mg/kg		0.508 mg/kg	0.0000508 %	✓	
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				22.4 mg/kg	1.546	29.303 mg/kg	0.00293 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	412 mg/kg		348.552 mg/kg	0.0349 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				38.7 mg/kg	1.785	58.447 mg/kg	0.00584 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				323 mg/kg	2.469	674.755 mg/kg	0.0675 %	✓	
31	pH PH				7.5 pH		7.5 pH	7.5 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 202-461-5 [2] 526-75-0 [4] 203-321-6 [3] 576-26-1 [5] 208-395-3 [4] 1300-71-6 [6] 209-400-1 [5] 71975-58-1 [7] 215-089-3 [6] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				39.6 mg/kg	1.462	48.964 mg/kg	0.0049 %	✓	
Total:								0.128 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS09-0.10-0.20-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS09-0.10-0.20-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m		
Moisture content:		
4.1%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 4.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	2.162	mg/kg	0.000216 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				0.1	mg/kg		0.0959	mg/kg	0.00000959 %	✓	
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				0.1	mg/kg		0.0959	mg/kg	0.00000959 %	✓	
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				0.5	mg/kg		0.48	mg/kg	0.000048 %	✓	
		201-581-5	85-01-8									
8	anthracene				0.2	mg/kg		0.192	mg/kg	0.0000192 %	✓	
		204-371-1	120-12-7									
9	fluoranthene				1.5	mg/kg		1.439	mg/kg	0.000144 %	✓	
		205-912-4	206-44-0									
10	pyrene				2.3	mg/kg		2.206	mg/kg	0.000221 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				1.1	mg/kg		1.055	mg/kg	0.000105 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				1.6	mg/kg		1.534	mg/kg	0.000153 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				6.1	mg/kg		5.85	mg/kg	0.000585 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				3	mg/kg		2.877	mg/kg	0.000288 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				5.1	mg/kg		4.891	mg/kg	0.000489 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				4	mg/kg		3.836	mg/kg	0.000384 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.7 mg/kg		0.671 mg/kg	0.0000671 %	✓	
18	benzo[ghi]perylene 205-883-8	191-24-2			5.7 mg/kg		5.466 mg/kg	0.000547 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2	203-632-7	108-95-2		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	11.2 mg/kg		10.741 mg/kg	0.00107 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	0.6 mg/kg		0.575 mg/kg	0.0000575 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8	235-113-6	12069-69-1		28 mg/kg	1.74	46.717 mg/kg	0.00467 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9	240-841-2 [1] 234-349-7 [2] - [3]	16812-54-7 [1] 11113-75-0 [2] 1314-04-1 [3]		23.1 mg/kg	1.546	34.255 mg/kg	0.00343 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	87.7 mg/kg		84.104 mg/kg	0.00841 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8	215-239-8	1314-62-1		29.6 mg/kg	1.785	50.675 mg/kg	0.00507 %	✓	
30	zinc { zinc sulphate } 030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]		158 mg/kg	2.469	374.153 mg/kg	0.0374 %	✓	
31	pH PH				8 pH		8 pH	8pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9	1308-38-9			29 mg/kg	1.462	40.647 mg/kg	0.00406 %	✓	
Total:								0.0698 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS10-0.20-0.30-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS10-0.20-0.30-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.20 m	
Moisture content:	
21.1%	
(wet weight correction)	

Hazard properties

None identified





Determinands

Moisture content: 21.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1.7	mg/kg	3.22	4.319	mg/kg	0.000432 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				0.48	mg/kg		0.379	mg/kg	0.0000379 %	✓	
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				0.52	mg/kg		0.41	mg/kg	0.000041 %	✓	
		205-917-1	208-96-8									
5	acenaphthene				0.54	mg/kg		0.426	mg/kg	0.0000426 %	✓	
		201-469-6	83-32-9									
6	fluorene				0.49	mg/kg		0.387	mg/kg	0.0000387 %	✓	
		201-695-5	86-73-7									
7	phenanthrene				1.39	mg/kg		1.097	mg/kg	0.00011 %	✓	
		201-581-5	85-01-8									
8	anthracene				0.68	mg/kg		0.537	mg/kg	0.0000537 %	✓	
		204-371-1	120-12-7									
9	fluoranthene				4.36	mg/kg		3.44	mg/kg	0.000344 %	✓	
		205-912-4	206-44-0									
10	pyrene				4.01	mg/kg		3.164	mg/kg	0.000316 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				2.23	mg/kg		1.759	mg/kg	0.000176 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				2.23	mg/kg		1.759	mg/kg	0.000176 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				1.91	mg/kg		1.507	mg/kg	0.000151 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				1.89	mg/kg		1.491	mg/kg	0.000149 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				2.17	mg/kg		1.712	mg/kg	0.000171 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				1.41	mg/kg		1.112	mg/kg	0.000111 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.73 mg/kg		0.576 mg/kg	0.0000576 %	✓	
18	benzo[ghi]perylene 205-883-8 191-24-2				1.58 mg/kg		1.247 mg/kg	0.000125 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	21.6 mg/kg		17.042 mg/kg	0.0017 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				1.1 mg/kg	8.868	7.696 mg/kg	0.00077 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1 mg/kg		0.789 mg/kg	0.0000789 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				47.8 mg/kg	1.74	65.615 mg/kg	0.00656 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				25 mg/kg	1.546	30.501 mg/kg	0.00305 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	227 mg/kg		179.103 mg/kg	0.0179 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				30.9 mg/kg	1.785	43.523 mg/kg	0.00435 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				289 mg/kg	2.469	563.051 mg/kg	0.0563 %	✓	
31	pH PH				7.7 pH		7.7 pH	7.7 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				28.8 mg/kg	1.462	33.211 mg/kg	0.00332 %	✓	
Total:								0.098 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS10-1.10-1.20-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS10-1.10-1.20-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
1.10 m		
Moisture content:		
19.8%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 19.8% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				<0.5	mg/kg	3.22	<1.61	mg/kg	<0.000161 %		<LOD
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	23.1 mg/kg		18.526 mg/kg	0.00185 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				2.4 mg/kg	8.868	17.069 mg/kg	0.00171 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				24.2 mg/kg	1.74	33.767 mg/kg	0.00338 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				38.7 mg/kg	1.546	47.994 mg/kg	0.0048 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	41.9 mg/kg		33.604 mg/kg	0.00336 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				63.4 mg/kg	1.785	90.771 mg/kg	0.00908 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				92.7 mg/kg	2.469	183.581 mg/kg	0.0184 %	✓	
31	pH PH				7.7 pH		7.7 pH	7.7 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				51.5 mg/kg	1.462	60.367 mg/kg	0.00604 %	✓	
Total:								0.0503 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS12-0.10-0.20-24/03/2022

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name: WS12-0.10-0.20-24/03/2022	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth: 0.10 m	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
Moisture content: 4.6% (wet weight correction)		

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.451%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.451%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.451%)

Determinands

Moisture content: 4.6% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	benzene 601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
2	toluene 601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
5	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]							
		203-396-5 [2]	106-42-3 [2]							
		203-576-3 [3]	108-38-3 [3]							
		215-535-7 [4]	1330-20-7 [4]							
6	TPH (C6 to C40) petroleum group				4730 mg/kg		4512.42 mg/kg	0.451 %	✓	
			TPH							
Total:								0.451 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
•	Determinand defined or amended by HazWasteOnline (see Appendix A)
<LOD	Below limit of detection
ND	Not detected

Classification of sample: WS14-0.10-0.20-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS14-0.10-0.20-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.10 m	
Moisture content:	
5.7%	
(wet weight correction)	

Hazard properties

None identified





Determinands

Moisture content: 5.7% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				0.9	mg/kg	3.22	2.733	mg/kg	0.000273 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				0.1	mg/kg		0.0943	mg/kg	0.00000943 %	✓	
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				0.4	mg/kg		0.377	mg/kg	0.0000377 %	✓	
		205-912-4	206-44-0									
10	pyrene				0.5	mg/kg		0.472	mg/kg	0.0000471 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				0.3	mg/kg		0.283	mg/kg	0.0000283 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				0.4	mg/kg		0.377	mg/kg	0.0000377 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				2.3	mg/kg		2.169	mg/kg	0.000217 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				2.4	mg/kg		2.263	mg/kg	0.000226 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				2.3	mg/kg		2.169	mg/kg	0.000217 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				2.6	mg/kg		2.452	mg/kg	0.000245 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				0.3 mg/kg		0.283 mg/kg	0.0000283 %	✓	
18	benzo[ghi]perylene 205-883-8 191-24-2				2.1 mg/kg		1.98 mg/kg	0.000198 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	65.8 mg/kg		62.049 mg/kg	0.0062 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1.6 mg/kg		1.509 mg/kg	0.000151 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				40.5 mg/kg	1.74	66.445 mg/kg	0.00664 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				18.6 mg/kg	1.546	27.122 mg/kg	0.00271 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	160 mg/kg		150.88 mg/kg	0.0151 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				34.4 mg/kg	1.785	57.91 mg/kg	0.00579 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				276 mg/kg	2.469	642.679 mg/kg	0.0643 %	✓	
31	pH PH				8.1 pH		8.1 pH	8.1 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 202-461-5 [2] 526-75-0 [4] 203-321-6 [3] 576-26-1 [5] 208-395-3 [4] 1300-71-6 [6] 209-400-1 [5] 71975-58-1 [7] 215-089-3 [6] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				26.4 mg/kg	1.462	36.386 mg/kg	0.00364 %	✓	
Total:								0.108 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS15-0.10-0.20-24/03/2022

⚠ Hazardous Waste
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name:	LoW Code:
WS15-0.10-0.20-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 03 * (Soil and stones containing hazardous substances)
0.10 m	
Moisture content:	
5.1% (wet weight correction)	

Hazard properties

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.121%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.121%)

Hazard properties (substances considered hazardous until shown otherwise)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.121%)

Determinands

Moisture content: 5.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	benzene 601-020-00-8	200-753-7	71-43-2		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
2	toluene 601-021-00-3	203-625-9	108-88-3		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
3	ethylbenzene 601-023-00-4	202-849-4	100-41-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
4	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X	216-653-1	1634-04-4		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
5	xylene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1]	95-47-6 [1]							
		203-396-5 [2]	106-42-3 [2]							
		203-576-3 [3]	108-38-3 [3]							
		215-535-7 [4]	1330-20-7 [4]							
6	TPH (C6 to C40) petroleum group				1270 mg/kg		1205.23 mg/kg	0.121 %	✓	
			TPH							
Total:								0.121 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- <LOD** Below limit of detection
- ND** Not detected

Classification of sample: WS16-0.30-0.40-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS16-0.30-0.40-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.30 m		
Moisture content:		
16.5%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 16.5% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1.9	mg/kg	3.22	5.108	mg/kg	0.000511 %	✔	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	17.5 mg/kg		14.613 mg/kg	0.00146 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				24.9 mg/kg	1.74	36.173 mg/kg	0.00362 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				20 mg/kg	1.546	25.823 mg/kg	0.00258 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	72.5 mg/kg		60.538 mg/kg	0.00605 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				34.3 mg/kg	1.785	51.129 mg/kg	0.00511 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				110 mg/kg	2.469	226.805 mg/kg	0.0227 %	✓	
31	pH PH				7.8 pH		7.8 pH	7.8 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				32 mg/kg	1.462	39.053 mg/kg	0.00391 %	✓	
Total:								0.0484 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS16-0.50-0.60-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS16-0.50-0.60-24/03/2022	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.50 m	
Moisture content:	
14.1%	
(wet weight correction)	

Hazard properties

None identified





Determinands

Moisture content: 14.1% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				0.7	mg/kg	3.22	1.936	mg/kg	0.000194 %	✔	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
10	pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	9.3 mg/kg		7.989 mg/kg	0.000799 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				<1 mg/kg	8.868	<8.868 mg/kg	<0.000887 %		<LOD
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				11 mg/kg	1.74	16.439 mg/kg	0.00164 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				17.9 mg/kg	1.546	23.776 mg/kg	0.00238 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	25.7 mg/kg		22.076 mg/kg	0.00221 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1 mg/kg	1.405	<1.405 mg/kg	<0.000141 %		<LOD
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				39.7 mg/kg	1.785	60.879 mg/kg	0.00609 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				67.9 mg/kg	2.469	144.024 mg/kg	0.0144 %	✓	
31	pH PH				7.6 pH		7.6 pH	7.6 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 202-461-5 [2] 526-75-0 [4] 203-321-6 [3] 576-26-1 [5] 208-395-3 [4] 1300-71-6 [6] 209-400-1 [5] 71975-58-1 [7] 215-089-3 [6] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				40.2 mg/kg	1.462	50.47 mg/kg	0.00505 %	✓	
Total:								0.0352 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS17-0.40-0.60-24/03/2022

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:	
WS17-0.40-0.60-24/03/2022	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
0.40 m		
Moisture content:		
16.9%		
(wet weight correction)		

Hazard properties

None identified





Determinands

Moisture content: 16.9% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.8	mg/kg	2.27	<1.816	mg/kg	<0.000182 %		<LOD
	024-017-00-8											
2	boron { diboron trioxide; boric oxide }				1.2	mg/kg	3.22	3.211	mg/kg	0.000321 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
3	naphthalene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
5	acenaphthene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
6	fluorene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
7	phenanthrene				0.2	mg/kg		0.166	mg/kg	0.0000166 %	✓	
		201-581-5	85-01-8									
8	anthracene				<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
9	fluoranthene				1.1	mg/kg		0.914	mg/kg	0.0000914 %	✓	
		205-912-4	206-44-0									
10	pyrene				0.8	mg/kg		0.665	mg/kg	0.0000665 %	✓	
		204-927-3	129-00-0									
11	benzo[a]anthracene				0.3	mg/kg		0.249	mg/kg	0.0000249 %	✓	
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				0.5	mg/kg		0.416	mg/kg	0.0000416 %	✓	
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				0.6	mg/kg		0.499	mg/kg	0.0000499 %	✓	
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				0.6	mg/kg		0.499	mg/kg	0.0000499 %	✓	
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				0.7	mg/kg		0.582	mg/kg	0.0000582 %	✓	
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				0.4	mg/kg		0.332	mg/kg	0.0000332 %	✓	
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
17	dibenz[a,h]anthracene 601-041-00-2 200-181-8 53-70-3				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
18	benzo[ghi]perylene 205-883-8 191-24-2				0.5 mg/kg		0.416 mg/kg	0.0000416 %	✓	
19	monohydric phenols P1186				<5 mg/kg		<5 mg/kg	<0.0005 %		<LOD
20	phenol 604-001-00-2 203-632-7 108-95-2				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
21	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	71 mg/kg		59.001 mg/kg	0.0059 %	✓	
22	beryllium { beryllium chloride } 7787-47-5				3.4 mg/kg	8.868	25.056 mg/kg	0.00251 %	✓	
23	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1.1 mg/kg		0.914 mg/kg	0.0000914 %	✓	
24	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				127 mg/kg	1.74	183.612 mg/kg	0.0184 %	✓	
25	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
26	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				77.2 mg/kg	1.546	99.201 mg/kg	0.00992 %	✓	
27	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	485 mg/kg		403.035 mg/kg	0.0403 %	✓	
28	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				1 mg/kg	1.405	1.168 mg/kg	0.000117 %	✓	
29	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				67.7 mg/kg	1.785	100.432 mg/kg	0.01 %	✓	
30	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				336 mg/kg	2.469	689.467 mg/kg	0.0689 %	✓	
31	pH PH				7.2 pH		7.2 pH	7.2 pH		
32	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4] 604-004-00-9 203-577-9 [1] 108-39-4 [1] 202-423-8 [2] 95-48-7 [2] 203-398-6 [3] 106-44-5 [3] 215-293-2 [4] 1319-77-3 [4]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
33	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<2 mg/kg		<2 mg/kg	<0.0002 %		<LOD
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) } 215-160-9 1308-38-9				33.6 mg/kg	1.462	40.809 mg/kg	0.00408 %	✓	
Total:								0.162 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

Appendix A: Classifier defined and non GB MCL determinands

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4; H302, Acute Tox. 1; H330, Acute Tox. 1; H310, Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Aquatic Chronic 2; H411

- **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

- **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4; H302, Eye Irrit. 2; H319, STOT SE 3; H335, Carc. 2; H351, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410, Skin Irrit. 2; H315

- **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2; H319, STOT SE 3; H335, Skin Irrit. 2; H315, Skin Sens. 1; H317, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

- **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4; H302, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

- **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2; H315, Eye Irrit. 2; H319, STOT SE 3; H335, Aquatic Acute 1; H400, Aquatic Chronic 1; H410

- **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2; H351

- **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1; H400, Aquatic Chronic 1; H410

- **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)
Data source: CLP combined data
Data source date: 26 Mar 2019
Hazard Statements: Muta. 2; H341, Acute Tox. 3; H331, Acute Tox. 3; H311, Acute Tox. 3; H301, STOT RE 2; H373, Skin Corr. 1B; H314, Skin Corr. 1B; H314 >= 3%, Skin Irrit. 2; H315 1 £ conc. < 3%, Eye Irrit. 2; H319 1 £ conc. < 3%, Aquatic Chronic 2; H411

• **arsenic compounds, with the exception of those specified elsewhere in this Annex**

GB MCL index number: 033-002-00-5

Description/Comments: Worst Case: IARC considers arsenic compounds Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

• **beryllium chloride (CAS Number: 7787-47-5)**

Description/Comments: Data from C&L Inventory Database; No entries in Registered Substances Database, IARC or Pesticide Properties Database

Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=27264&HarmOnly=no?fc=true&lang=en>

Data source date: 02 Jun 2014

Hazard Statements: Acute Tox. 3; H301 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Carc. 1B; H350 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex**

GB MCL index number: 048-001-00-5

Description/Comments: Worst Case: IARC considers cadmium compounds Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

• **lead compounds with the exception of those specified elsewhere in this Annex (worst case)**

GB MCL index number: 082-001-00-6

Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

• **pH (CAS Number: PH)**

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

• **chromium(III) oxide (worst case) (EC Number: 215-160-9, CAS Number: 1308-38-9)**

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **ethylbenzene (EC Number: 202-849-4, CAS Number: 100-41-4)**

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

• **TPH (C6 to C40) petroleum group (CAS Number: TPH)**

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

• **polychlorobiphenyls; PCB (EC Number: 215-648-1, CAS Number: 1336-36-3)**

GB MCL index number: 602-039-00-4

Description/Comments: Worst Case: IARC considers PCB Group 1; Carcinogenic to humans; POP specific threshold from ATP1 (Regulation 756/2010/EU) to POPs Regulation (Regulation 850/2004/EC). Where applicable, the calculation method laid down in European standards EN 12766-1 and EN 12766-2 shall be applied.

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

Appendix B: Rationale for selection of metal species

chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst Case

boron {diboron trioxide; boric oxide}

Based upon material type considered most likely worst case compound.

arsenic {arsenic compounds, with the exception of those specified elsewhere in this Annex}

Most likely based upon material type and environmental conditions.

beryllium {beryllium chloride}

Worst case

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex}

Most likely based upon the material type and environmental conditions.

copper {copper(II) carbonate – copper(II) hydroxide (1:1)}

Based upon material type considered most likely worst case compound.

mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}

Based upon material type considered most likely worst case compound.

nickel {nickel sulfide}

Based upon material type considered most likely worst case compound.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Based upon material type considered most likely worst case compound.

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Based upon material type considered most likely worst case compound.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Based upon material type considered most likely worst case compound.

zinc {zinc sulphate}

Based upon material type considered most likely worst case compound.

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Based upon material type considered most likely worst case compound.

Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021

HazWasteOnline Classification Engine Version: 2022.103.5089.9622 (13 Apr 2022)

HazWasteOnline Database: 2022.103.5089.9622 (13 Apr 2022)

This classification utilises the following guidance and legislation:

WM3 v1.2.GB - Waste Classification - 1st Edition v1.2.GB - Oct 2021

CLP Regulation - Regulation 1272/2008/EC of 16 December 2008

1st ATP - Regulation 790/2009/EC of 10 August 2009

2nd ATP - Regulation 286/2011/EC of 10 March 2011

3rd ATP - Regulation 618/2012/EU of 10 July 2012

4th ATP - Regulation 487/2013/EU of 8 May 2013

Correction to 1st ATP - Regulation 758/2013/EU of 7 August 2013

5th ATP - Regulation 944/2013/EU of 2 October 2013

6th ATP - Regulation 605/2014/EU of 5 June 2014

WFD Annex III replacement - Regulation 1357/2014/EU of 18 December 2014

Revised List of Waste 2014 - Decision 2014/955/EU of 18 December 2014

7th ATP - Regulation 2015/1221/EU of 24 July 2015

8th ATP - Regulation (EU) 2016/918 of 19 May 2016

9th ATP - Regulation (EU) 2016/1179 of 19 July 2016

10th ATP - Regulation (EU) 2017/776 of 4 May 2017

HP14 amendment - Regulation (EU) 2017/997 of 8 June 2017

13th ATP - Regulation (EU) 2018/1480 of 4 October 2018

14th ATP - Regulation (EU) 2020/217 of 4 October 2019

15th ATP - Regulation (EU) 2020/1182 of 19 May 2020

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit)

Regulations 2020 - UK: 2020 No. 1567 of 16th December 2020

The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020 - UK:

2020 No. 1540 of 16th December 2020

GB MCL List - version 1.1 of 09 June 2021

Waste Classification Report

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

- a) understand the origin of the waste
- b) select the correct List of Waste code(s)
- c) confirm that the list of determinands, results and sampling plan are fit for purpose
- d) select and justify the chosen metal species (Appendix B)
- e) correctly apply moisture correction and other available corrections
- f) add the meta data for their user-defined substances (Appendix A)
- g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



45TH3-UA9N4-91UQP

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

Job name

23-72732_HWOL_Results

Description/Comments

Project

P0637/ CS-J-2119

Site

Bens Yard

Classified by

Name: **Tom Clarke**
 Date: **13 Dec 2023 17:26 GMT**
 Telephone: **01179 277756**
 Company: **T&P Regeneration Ltd**
Unit 4 Brunel Lock Development
Smeaton Road
Bristol
BS1 6SE

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: **CERTIFIED**
Course **Date**
 Hazardous Waste Classification 06 Apr 2023

Next 3 year Refresher due by Apr 2026

Purpose of classification

2 - Material Characterisation

Address of the waste

Bens Yard

Post Code BS36 2AU

SIC for the process giving rise to the waste

41202 Construction of domestic buildings

Description of industry/producer giving rise to the waste

Redevelopment of the site

Description of the specific process, sub-process and/or activity that created the waste

Waste created during the excavation of soils for development.

Description of the waste

Made Ground.

Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS201--30112023-0.30		Hazardous	HP 3(i), HP 7, HP 11	3
2	WS202--30112023-0.40		Non Hazardous		6
3	WS203--30112023-0.50		Non Hazardous		9

Related documents

#	Name	Description
1	23-72732_HWOL_Results.hwol	i2 Analytical .hwol file used to populate the Job


Report

Created by: Tom Clarke

Created date: 13 Dec 2023 17:26 GMT

Appendices	Page
Appendix A: Classifier defined and non GB MCL determinands	12
Appendix B: Rationale for selection of metal species	13
Appendix C: Version	14

Classification of sample: WS201--30112023-0.30

 **Hazardous Waste**
Classified as **17 05 03 ***
in the List of Waste

Sample details

Sample name: WS201--30112023-0.30	LoW Code: Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content: 11% (wet weight correction)	Entry:	17 05 03 * (Soil and stones containing hazardous substances)

Hazard properties

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"
Force this Hazardous property to hazardous because Conservative value of 1000 mg/kg adopted for flammability threshold within soil matrix.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.169%)

HP 7: Carcinogenic "waste which induces cancer or increases its incidence"

Hazard Statements hit:

Carc. 1B; H350 "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.169%)

HP 11: Mutagenic "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

Muta. 1B; H340 "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.169%)

Determinands

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	monohydric phenols P1186				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } 024-017-00-8				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
3	benzene 601-020-00-8 200-753-7 71-43-2				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
4	ethylbenzene 601-023-00-4 202-849-4 100-41-4				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
5	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane 603-181-00-X 216-653-1 1634-04-4				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
6	toluene 601-021-00-3 203-625-9 108-88-3				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
7	pH PH				8.6	pH		8.6	pH	8.6 pH		
8	boron { diboron trioxide } 005-008-00-8 215-125-8 1303-86-2				0.8	mg/kg	3.22	2.293	mg/kg	0.000229 %	✓	
9	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex } 033-002-00-5			1	12	mg/kg		10.68	mg/kg	0.00107 %	✓	
10	beryllium { beryllium chloride } 7787-47-5				0.56	mg/kg	8.868	4.42	mg/kg	0.000442 %	✓	
11	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex } 048-001-00-5			1	1.4	mg/kg		1.246	mg/kg	0.000125 %	✓	
12	copper { copper(II) carbonate – copper(II) hydroxide (1:1) } 029-020-00-8 235-113-6 12069-69-1				110	mg/kg	1.74	170.326	mg/kg	0.017 %	✓	
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex } 080-002-00-6			1	<0.3	mg/kg		<0.3	mg/kg	<0.00003 %		<LOD
14	nickel { nickel sulfide } 028-006-00-9 240-841-2 [1] 16812-54-7 [1] 234-349-7 [2] - [3] 11113-75-0 [2] 1314-04-1 [3]				8.7	mg/kg	1.546	11.973	mg/kg	0.0012 %	✓	
15	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) } 082-001-00-6			1	620	mg/kg		551.8	mg/kg	0.0552 %	✓	
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex } 034-002-00-8				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
17	vanadium { divanadium pentaoxide; vanadium pentoxide } 023-001-00-8 215-239-8 1314-62-1				17	mg/kg	1.785	27.01	mg/kg	0.0027 %	✓	
18	zinc { zinc sulphate } 030-006-00-9 231-793-3 [1] 7446-19-7 [1] 231-793-3 [2] 7733-02-0 [2]				270	mg/kg	2.469	593.372	mg/kg	0.0593 %	✓	
19	TPH (C6 to C40) petroleum group TPH				1900	mg/kg		1691	mg/kg	0.169 %	✓	
20	naphthalene 601-052-00-2 202-049-5 91-20-3				5.1	mg/kg		4.539	mg/kg	0.000454 %	✓	
21	acenaphthylene 205-917-1 208-96-8				3.8	mg/kg		3.382	mg/kg	0.000338 %	✓	
22	acenaphthene 201-469-6 83-32-9				22	mg/kg		19.58	mg/kg	0.00196 %	✓	
23	fluorene 201-695-5 86-73-7				28	mg/kg		24.92	mg/kg	0.00249 %	✓	
24	phenanthrene 201-581-5 85-01-8				220	mg/kg		195.8	mg/kg	0.0196 %	✓	
25	anthracene 204-371-1 120-12-7				60	mg/kg		53.4	mg/kg	0.00534 %	✓	
26	fluoranthene 205-912-4 206-44-0				350	mg/kg		311.5	mg/kg	0.0312 %	✓	

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
27	pyrene	204-927-3	129-00-0		260 mg/kg		231.4 mg/kg	0.0231 %	✓	
28	benzo[a]anthracene	601-033-00-9	200-280-6	56-55-3	150 mg/kg		133.5 mg/kg	0.0134 %	✓	
29	chrysene	601-048-00-0	205-923-4	218-01-9	160 mg/kg		142.4 mg/kg	0.0142 %	✓	
30	benzo[a]pyrene; benzo[def]chrysene	601-032-00-3	200-028-5	50-32-8	160 mg/kg		142.4 mg/kg	0.0142 %	✓	
31	indeno[123-cd]pyrene	205-893-2	193-39-5		85 mg/kg		75.65 mg/kg	0.00757 %	✓	
32	dibenz[a,h]anthracene	601-041-00-2	200-181-8	53-70-3	22 mg/kg		19.58 mg/kg	0.00196 %	✓	
33	benzo[ghi]perylene	205-883-8	191-24-2		90 mg/kg		80.1 mg/kg	0.00801 %	✓	
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }	215-160-9	1308-38-9		14 mg/kg	1.462	18.211 mg/kg	0.00182 %	✓	
35	xylene	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]	<10 µg/kg		<0.01 mg/kg	<0.000001 %		<LOD
36	benzo[bk]fluoranthene	[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9		288 mg/kg		256.32 mg/kg	0.0256 %	✓	
Total:								0.478 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
	Hazardous result
	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Classification of sample: WS202--30112023-0.40

✔ **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS202--30112023-0.40	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
23% (wet weight correction)	

Hazard properties

None identified

Determinands

Moisture content: 23% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
1	monohydric phenols		P1186		<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
2	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8 mg/kg	2.27	<4.086 mg/kg	<0.000409 %		<LOD
	024-017-00-8									
3	benzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
4	ethylbenzene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
5	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
6	toluene				<5 µg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
7	pH		PH		8.2 pH		8.2 pH	8.2 pH		
8	boron { diboron trioxide }				4.8 mg/kg	3.22	11.901 mg/kg	0.00119 %	✔	
	005-008-00-8	215-125-8	1303-86-2							
9	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	18 mg/kg		13.86 mg/kg	0.00139 %	✔	
	033-002-00-5									
10	beryllium { beryllium chloride }				0.96 mg/kg	8.868	6.555 mg/kg	0.000656 %	✔	
			7787-47-5							
11	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	1.3 mg/kg		1.001 mg/kg	0.0001 %	✔	
	048-001-00-5									
12	copper { copper(II) carbonate – copper(II) hydroxide (1:1) }				37 mg/kg	1.74	49.567 mg/kg	0.00496 %	✔	
	029-020-00-8	235-113-6	12069-69-1							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	1.2	mg/kg		0.924	mg/kg	0.0000924 %	✓	
	080-002-00-6											
14	nickel { nickel sulfide }				17	mg/kg	1.546	20.241	mg/kg	0.00202 %	✓	
	028-006-00-9	240-841-2 [1] 234-349-7 [2] - [3]	16812-54-7 [1] 11113-75-0 [2] 1314-04-1 [3]									
15	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	830	mg/kg		639.1	mg/kg	0.0639 %	✓	
	082-001-00-6											
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
17	vanadium { divanadium pentaoxide; vanadium pentoxide }				28	mg/kg	1.785	38.489	mg/kg	0.00385 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
18	zinc { zinc sulphate }				320	mg/kg	2.469	608.435	mg/kg	0.0608 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19	TPH (C6 to C40) petroleum group				19	mg/kg		14.63	mg/kg	0.00146 %	✓	
			TPH									
20	naphthalene				0.11	mg/kg		0.0847	mg/kg	0.00000847 %	✓	
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
22	acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
23	fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
24	phenanthrene				0.24	mg/kg		0.185	mg/kg	0.0000185 %	✓	
		201-581-5	85-01-8									
25	anthracene				0.07	mg/kg		0.0539	mg/kg	0.00000539 %	✓	
		204-371-1	120-12-7									
26	fluoranthene				0.7	mg/kg		0.539	mg/kg	0.0000539 %	✓	
		205-912-4	206-44-0									
27	pyrene				0.6	mg/kg		0.462	mg/kg	0.0000462 %	✓	
		204-927-3	129-00-0									
28	benzo[a]anthracene				0.47	mg/kg		0.362	mg/kg	0.0000362 %	✓	
	601-033-00-9	200-280-6	56-55-3									
29	chrysene				0.49	mg/kg		0.377	mg/kg	0.0000377 %	✓	
	601-048-00-0	205-923-4	218-01-9									
30	benzo[a]pyrene; benzo[def]chrysene				0.61	mg/kg		0.47	mg/kg	0.000047 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				0.43	mg/kg		0.331	mg/kg	0.0000331 %	✓	
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				0.12	mg/kg		0.0924	mg/kg	0.00000924 %	✓	
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				0.52	mg/kg		0.4	mg/kg	0.00004 %	✓	
		205-883-8	191-24-2									
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				28	mg/kg	1.462	31.511	mg/kg	0.00315 %	✓	
		215-160-9	1308-38-9									
35	xylene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
36	benzo[bk]fluoranthene				1.13	mg/kg		0.87	mg/kg	0.000087 %	✓	
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
Total:								0.145 %		

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- CLP: Note 1 Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Conservative value of 1000 mg/kg adopted for flammability threshold within soils matrix.


Hazard Statements hit:

Fam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00146%)

Classification of sample: WS203--30112023-0.50

 **Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

Sample details

Sample name:	LoW Code:
WS203--30112023-0.50	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Moisture content:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
21% (wet weight correction)	

Hazard properties

None identified

Determinands


Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
1	monohydric phenols				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
			P1186									
2	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<1.8	mg/kg	2.27	<4.086	mg/kg	<0.000409 %		<LOD
	024-017-00-8											
3	benzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
4	ethylbenzene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
5	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	603-181-00-X	216-653-1	1634-04-4									
6	toluene				<5	µg/kg		<0.005	mg/kg	<0.0000005 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
7	pH				7.8	pH		7.8	pH	7.8 pH		
			PH									
8	boron { diboron trioxide }				4.6	mg/kg	3.22	11.701	mg/kg	0.00117 %	✓	
	005-008-00-8	215-125-8	1303-86-2									
9	arsenic { arsenic compounds, with the exception of those specified elsewhere in this Annex }			1	20	mg/kg		15.8	mg/kg	0.00158 %	✓	
	033-002-00-5											
10	beryllium { beryllium chloride }				0.8	mg/kg	8.868	5.605	mg/kg	0.00056 %	✓	
			7787-47-5									
11	cadmium { cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex }			1	1.2	mg/kg		0.948	mg/kg	0.0000948 %	✓	
	048-001-00-5											
12	copper { copper(II) carbonate – copper(II) hydroxide (1:1) }				43	mg/kg	1.74	59.101	mg/kg	0.00591 %	✓	
	029-020-00-8	235-113-6	12069-69-1									

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number									
13	mercury { inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex }			1	0.7	mg/kg		0.553	mg/kg	0.0000553 %	✓	
	080-002-00-6											
14	nickel { nickel sulfide }				19	mg/kg	1.546	23.21	mg/kg	0.00232 %	✓	
	028-006-00-9	240-841-2 [1] 234-349-7 [2] - [3]	16812-54-7 [1] 11113-75-0 [2] 1314-04-1 [3]									
15	lead { lead compounds with the exception of those specified elsewhere in this Annex (worst case) }			1	540	mg/kg		426.6	mg/kg	0.0427 %	✓	
	082-001-00-6											
16	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	1.405	<1.405	mg/kg	<0.000141 %		<LOD
	034-002-00-8											
17	vanadium { divanadium pentaoxide; vanadium pentoxide }				26	mg/kg	1.785	36.668	mg/kg	0.00367 %	✓	
	023-001-00-8	215-239-8	1314-62-1									
18	zinc { zinc sulphate }				250	mg/kg	2.469	487.686	mg/kg	0.0488 %	✓	
	030-006-00-9	231-793-3 [1] 231-793-3 [2]	7446-19-7 [1] 7733-02-0 [2]									
19	TPH (C6 to C40) petroleum group				30	mg/kg		23.7	mg/kg	0.00237 %	✓	
			TPH									
20	naphthalene				0.22	mg/kg		0.174	mg/kg	0.0000174 %	✓	
	601-052-00-2	202-049-5	91-20-3									
21	acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
22	acenaphthene				0.09	mg/kg		0.0711	mg/kg	0.00000711 %	✓	
		201-469-6	83-32-9									
23	fluorene				0.05	mg/kg		0.0395	mg/kg	0.00000395 %	✓	
		201-695-5	86-73-7									
24	phenanthrene				0.24	mg/kg		0.19	mg/kg	0.000019 %	✓	
		201-581-5	85-01-8									
25	anthracene				0.06	mg/kg		0.0474	mg/kg	0.00000474 %	✓	
		204-371-1	120-12-7									
26	fluoranthene				0.41	mg/kg		0.324	mg/kg	0.0000324 %	✓	
		205-912-4	206-44-0									
27	pyrene				0.4	mg/kg		0.316	mg/kg	0.0000316 %	✓	
		204-927-3	129-00-0									
28	benzo[a]anthracene				0.36	mg/kg		0.284	mg/kg	0.0000284 %	✓	
	601-033-00-9	200-280-6	56-55-3									
29	chrysene				0.4	mg/kg		0.316	mg/kg	0.0000316 %	✓	
	601-048-00-0	205-923-4	218-01-9									
30	benzo[a]pyrene; benzo[def]chrysene				0.61	mg/kg		0.482	mg/kg	0.0000482 %	✓	
	601-032-00-3	200-028-5	50-32-8									
31	indeno[123-cd]pyrene				0.38	mg/kg		0.3	mg/kg	0.00003 %	✓	
		205-893-2	193-39-5									
32	dibenz[a,h]anthracene				0.09	mg/kg		0.0711	mg/kg	0.00000711 %	✓	
	601-041-00-2	200-181-8	53-70-3									
33	benzo[ghi]perylene				0.46	mg/kg		0.363	mg/kg	0.0000363 %	✓	
		205-883-8	191-24-2									
34	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				26	mg/kg	1.462	30.02	mg/kg	0.003 %	✓	
		215-160-9	1308-38-9									
35	xylene				<10	µg/kg		<0.01	mg/kg	<0.000001 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
36	benzo[bk]fluoranthene				1.04	mg/kg		0.822	mg/kg	0.0000822 %	✓	
		[1] 205-911-9 [2] 205-916-6	[1] 205-99-2 [2] 207-08-9									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	EU CLP index number	EC Number	CAS Number							
Total:								0.113 %		

Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Conservative value of 1000 mg/kg adopted for flammability threshold within soils matrix.

Hazard Statements hit:

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00237%)

Appendix A: Classifier defined and non GB MCL determinands

■ **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 <= conc. < 3 % , Eye Irrit. 2; H319 1 <= conc. < 3 % , Aquatic Chronic 2; H411

■ **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

■ **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

■ **arsenic compounds, with the exception of those specified elsewhere in this Annex**

GB MCL index number: 033-002-00-5

Description/Comments: Worst Case: IARC considers arsenic compounds Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

■ **beryllium chloride** (CAS Number: 7787-47-5)

Description/Comments: Data from C&L Inventory Database; No entries in Registered Substances Database, IARC or Pesticide Properties Database

Data source: <http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=27264&HarmOnly=no?fc=true&lang=en>

Data source date: 02 Jun 2014

Hazard Statements: Acute Tox. 3; H301 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Carc. 1B; H350 , STOT RE 1; H372 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

■ **cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex**

GB MCL index number: 048-001-00-5

Description/Comments: Worst Case: IARC considers cadmium compounds Group 1; Carcinogenic to humans

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 1 (23, Sup 7, 100C) 2012

■ **lead compounds with the exception of those specified elsewhere in this Annex (worst case)**

GB MCL index number: 082-001-00-6

Description/Comments: Worst Case: IARC considers lead compounds Group 2A; Probably carcinogenic to humans; Lead REACH Consortium, following MCL protocols, considers lead compounds from smelting industries, flue dust and similar to be Carcinogenic category 1A

Additional Hazard Statement(s): Carc. 1A; H350

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 1A; H350 hazard statement sourced from: IARC Group 2A (Sup 7, 87) 2006; Lead REACH Consortium www.reach-lead.eu/substanceinformation.html (worst case lead compounds). Review date 29/09/2015

■ **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT RE 2; H373 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 2; H361d , Aquatic Chronic 2; H411

■ **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H330 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

• **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Aquatic Chronic 2; H411

• **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Skin Irrit. 2; H315

• **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 17 Jul 2015

Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Acute Tox. 4; H302 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 21 Aug 2015

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 06 Aug 2015

Hazard Statements: Carc. 2; H351

• **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015

Data source: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 23 Jul 2015

Hazard Statements: Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **chromium(III) oxide (worst case)** (EC Number: 215-160-9, CAS Number: 1308-38-9)

Description/Comments: Data from C&L Inventory Database

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/33806>

Data source date: 17 Jul 2015

Hazard Statements: Acute Tox. 4; H332 , Acute Tox. 4; H302 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Resp. Sens. 1; H334 , Skin Sens. 1; H317 , Repr. 1B; H360FD , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **benzo[bk]fluoranthene** (EC Number: [1] 205-911-9 [2] 205-916-6, CAS Number: [1] 205-99-2 [2] 207-08-9)

Description/Comments: Combined data from harmonised entries in CLP for benzo[b] and benzo[k]fluoranthene; C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Carc. 1B; H350 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

Appendix B: Rationale for selection of metal species

chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case.

boron {diboron trioxide}

Based upon material type it is considered to be the most likely worst case compound.

arsenic {arsenic compounds, with the exception of those specified elsewhere in this Annex}

Most likely based upon material type and environmental conditions.

beryllium {beryllium chloride}

Worst case.

cadmium {cadmium compounds, with the exception of cadmium sulphoselenide (xCdS.yCdSe), reaction mass of cadmium sulphide with zinc sulphide (xCdS.yZnS), reaction mass of cadmium sulphide with mercury sulphide (xCdS.yHgS), and those specified elsewhere in this Annex}

Most likely based upon the material type and environmental conditions.

copper {copper(II) carbonate – copper(II) hydroxide (1:1)}

Based upon material type it is considered to be the most likely worst case compound.

mercury {inorganic compounds of mercury with the exception of mercuric sulphide and those specified elsewhere in this Annex}

Based upon material type it is considered to be the most likely worst case compound.

nickel {nickel sulfide}

Based upon material type it is considered to be the most likely worst case compound.

lead {lead compounds with the exception of those specified elsewhere in this Annex (worst case)}

Based upon material type it is considered to be the most likely worst case compound.

selenium {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}

Based upon material type it is considered to be the most likely worst case compound.

vanadium {divanadium pentaoxide; vanadium pentoxide}

Based upon material type it is considered to be the most likely worst case compound.

zinc {zinc sulphate}

Based upon material type it is considered to be the most likely worst case compound.

chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Worst case.

Appendix C: Version

HazWasteOnline Classification Engine: **WM3 1st Edition v1.2.GB - Oct 2021**
 HazWasteOnline Classification Engine Version: 2023.341.5847.10836 (07 Dec 2023)
 HazWasteOnline Database: 2023.341.5847.10836 (07 Dec 2023)

This classification utilises the following guidance and legislation:

- WM3 v1.2.GB - Waste Classification** - 1st Edition v1.2.GB - Oct 2021
- CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008
- 1st ATP** - Regulation 790/2009/EC of 10 August 2009
- 2nd ATP** - Regulation 286/2011/EC of 10 March 2011
- 3rd ATP** - Regulation 618/2012/EU of 10 July 2012
- 4th ATP** - Regulation 487/2013/EU of 8 May 2013
- Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013
- 5th ATP** - Regulation 944/2013/EU of 2 October 2013
- 6th ATP** - Regulation 605/2014/EU of 5 June 2014
- WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014
- Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014
- 7th ATP** - Regulation 2015/1221/EU of 24 July 2015
- 8th ATP** - Regulation (EU) 2016/918 of 19 May 2016
- 9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016
- 10th ATP** - Regulation (EU) 2017/776 of 4 May 2017
- HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017
- 13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018
- 14th ATP** - Regulation (EU) 2020/217 of 4 October 2019
- 15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020
- The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020
- The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020
- GB MCL List** - version 1.1 of 09 June 2021
- GB MCL List v2.0** - version 2.0 of 20th October 2023

Appendix H – Environmental Database Report



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

293206852_1_1

Customer Reference:

P0637 CS-J-1363

National Grid Reference:

365650, 182010

Slice:

A

Site Area (Ha):

1.31

Search Buffer (m):

1000

Site Details:

119, Bristol Road
FRAMPTON COTTERELL
BS36 2AU

Client Details:

T and P Regeneration
T&P Regeneration Ltd
Unit 4, Brunel Lock Development
Smeaton Road
Bristol
BS1 6SE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	18
Hazardous Substances	-
Geological	20
Industrial Land Use	25
Sensitive Land Use	31
Data Currency	32
Data Suppliers	38
Useful Contacts	39

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			12	22
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 10			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 10		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 10				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				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 11		5	9	38

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 18		1		
Local Authority Landfill Coverage	pg 18	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 18				6
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 18		2		
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 20	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 23				4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 23	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 23	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 24		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 24	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 24	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 25	4	9	6	17
Fuel Station Entries	pg 28			1	
Points of Interest - Commercial Services	pg 28	3	1	3	3
Points of Interest - Education and Health	pg 29		1		
Points of Interest - Manufacturing and Production	pg 29				4
Points of Interest - Public Infrastructure	pg 29			4	5
Points of Interest - Recreational and Environmental	pg 30			3	2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 31	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
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	A13SW (S)	0	1	365654 182000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (S)	0	1	365654 182011
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	21	1	365650 181950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	29	1	365550 182100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	101	1	365750 182100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	129	1	365654 181800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	180	1	365750 182200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	360	1	365850 182350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	379	1	365300 182350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	450	1	366200 182100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	468	1	366200 182150
1	Discharge Consents Operator: Devine Homes Ltd Property Type: Not Given Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AR Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542/2/11 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 8th April 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway & Unnamed Watercourse Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (N)	409	2	365780 182450
1	Discharge Consents Operator: Mrs Caroline Hogan And Mr Stephen Hogan Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SE (N)	459	2	365810 182490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Dr Gareth Rees Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	459	2	365810 182490
1	<p>Discharge Consents</p> <p>Operator: Mr David Blakey Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	459	2	365810 182490
1	<p>Discharge Consents</p> <p>Operator: Mr Neil Harney Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	459	2	365810 182490
1	<p>Discharge Consents</p> <p>Operator: Devine Homes Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 1 Effective Date: 8th April 1998 Issued Date: 8th April 1998 Revocation Date: 20th September 2018 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway And Unnamed Wtrcourse 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>	A18SE (N)	459	2	365810 182490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rectory Road, Frampton Cotterell Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 010976 Permit Version: 1 Effective Date: 12th September 1989 Issued Date: Not Supplied Revocation Date: 7th March 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch-River Frome Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	410	2	366080 181700
3	<p>Discharge Consents</p> <p>Operator: Devine Homes Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 1 Effective Date: 8th April 1998 Issued Date: 8th April 1998 Revocation Date: 20th September 2018 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Soakaway And Unnamed Wtrcourse 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>	A18SE (N)	467	2	365790 182510
3	<p>Discharge Consents</p> <p>Operator: Mrs Caroline Hogan And Mr Stephen Hogan Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land/Into Watercourse Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	475	2	365782 182523
3	<p>Discharge Consents</p> <p>Operator: Dr Gareth Rees Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land/Into Watercourse Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	475	2	365782 182523

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Mr David Blakey Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land/Into Watercourse Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	475	2	365782 182523
3	<p>Discharge Consents</p> <p>Operator: Mr Neil Harney Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: North Corner, Perrinpit Road, Frampton Cotterell, Bristol, Bs36 2ar Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 100542 Permit Version: 2 Effective Date: 21st September 2018 Issued Date: 21st September 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land/Into Watercourse Environment: Receiving Water: Soakaway And Trib River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	475	2	365782 182523
4	<p>Discharge Consents</p> <p>Operator: Mr R Weaver Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: New House At Perrinpit Farm, Perrinpit Road, Frampton Cotterell, Bristol Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 011736 Permit Version: 1 Effective Date: 5th July 1991 Issued Date: Not Supplied Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Discharge To Soakaway Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	A18SW (N)	596	2	365490 182680
5	<p>Discharge Consents</p> <p>Operator: Mr N A Cox And Mrs S J Cox Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: New Farm Bristol Road, Frampton Cotterell, Bristol, Bs17 2aw Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 010209 Permit Version: 1 Effective Date: 1st August 1986 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Bristol Frome, Ditch Trib Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	613	2	366160 182440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Philip Draisey Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Park House Barn, Park Row, Frampton Cotterell, Bs36 2bs Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103218 Permit Version: 1 Effective Date: 28th October 2005 Issued Date: 28th October 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: 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>	A14SE (SE)	635	2	366340 181690
7	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nightingale Bridge, Frampton Cotterell Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 010984 Permit Version: 1 Effective Date: 12th September 1989 Issued Date: Not Supplied Revocation Date: 7th March 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	783	2	366250 181350
7	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nightingales Bridge Cso, Watleys End, Frampton Cotterell, Bristol, Bs36 2dw Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101031 Permit Version: 2 Effective Date: 19th February 2018 Issued Date: 19th February 2018 Revocation Date: 30th March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	789	2	366260 181350
7	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nightingales Bridge Cso, Watleys End, Frampton Cotterell, Bristol, Bs36 2dw Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101031 Permit Version: 3 Effective Date: 31st March 2018 Issued Date: 19th February 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	789	2	366260 181350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nightingales Bridge Cso, Watleys End, Frampton Cotterell, Bristol, Bs36 2dw Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101031 Permit Version: 1 Effective Date: 7th March 2000 Issued Date: 13th March 2000 Revocation Date: 18th February 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: (S) River Frome 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>	A9NW (SE)	789	2	366260 181350
8	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rectory Road Cso, The Rectory Road, Frampton Cotterell, Bristol, Bs36 2bp Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103073 Permit Version: 2 Effective Date: 31st March 2017 Issued Date: 15th March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	808	2	366536 181713
8	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rectory Road Cso, The Rectory Road, Frampton Cotterell, Bristol, Bs36 2bp Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103073 Permit Version: 1 Effective Date: 1st December 2005 Issued Date: 25th August 2005 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome(S) 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>	A14SE (E)	819	2	366550 181720
8	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rectory Road Cso, The Rectory Road, Frampton Cotterell, Bristol, Bs36 2bp Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101032 Permit Version: 1 Effective Date: 7th March 2000 Issued Date: 13th March 2000 Revocation Date: 30th November 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: (S) River Frome Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	819	2	366550 181720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Clyde Road Cso, Opposite 1 Rectory Road, Frampton Cotterell, Bristol, Bs36 2bn</p> <p>Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103071 Permit Version: 2 Effective Date: 31st March 2017 Issued Date: 15th March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	834	2	366569 181732
8	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Clyde Road Cso, Opposite 1 Rectory Road, Frampton Cotterell, Bristol, Bs36 2bn</p> <p>Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103071 Permit Version: 1 Effective Date: 1st December 2005 Issued Date: 25th August 2005 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome(S) 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>	A14SE (E)	835	2	366570 181730
8	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Clyde Road Cso, Opposite 1 Rectory Road, Frampton Cotterell, Bristol, Bs36 2bn</p> <p>Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101028 Permit Version: 1 Effective Date: 7th March 2000 Issued Date: 13th March 2000 Revocation Date: 30th November 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: (S) River Frome Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	835	2	366570 181730
9	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Factory Road, Frampton Cotterell</p> <p>Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 010983 Permit Version: 1 Effective Date: 12th September 1989 Issued Date: Not Supplied Revocation Date: 7th March 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m</p>	A9SW (S)	904	2	366030 181080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Sunny Acres Foot Bridge Cso Sunny Acres Farm, Factory Road, Winterbourne, South Gloucestershire, Bs36 2eu Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103072 Permit Version: 1 Effective Date: 1st December 2005 Issued Date: 1st September 2005 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome(S) 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>	A9SW (SE)	911	2	366050 181080
9	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Sunny Acres Foot Bridge Cso Sunny Acres Farm, Factory Road, Winterbourne, South Gloucestershire, Bs36 2eu Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103072 Permit Version: 2 Effective Date: 31st March 2017 Issued Date: 15th March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	918	2	366049 181072
9	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Sunny Acres Foot Bridge Cso Sunny Acres Farm, Factory Road, Winterbourne, South Gloucestershire, Bs36 2eu Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101030 Permit Version: 1 Effective Date: 7th March 2000 Issued Date: 13th March 2000 Revocation Date: 1st December 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: (S) River Frome Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	920	2	366050 181070
10	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Way Cso, 8 Bridge Way, Frampton Cotterell, South Gloucestershire, Bs36 2bl Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101033 Permit Version: 3 Effective Date: 31st March 2017 Issued Date: 21st March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A15SW (E)	990	2	366756 181889

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Road Cso, Opposite 315 Church Road, Frampton Cotterell, Bristol, Bs36 2ab Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 103070 Permit Version: 2 Effective Date: 31st March 2017 Issued Date: 15th March 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A15SW (E)	994	2	366761 181904
10	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Way Cso, 8 Bridge Way, Frampton Cotterell, South Gloucestershire, Bs36 2bl Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101033 Permit Version: 1 Effective Date: 7th March 2000 Issued Date: 13th March 2000 Revocation Date: 14th May 2002 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: (S) River Frome 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>	A15SW (E)	994	2	366760 181890
10	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Way Cso, 8 Bridge Way, Frampton Cotterell, South Gloucestershire, Bs36 2bl Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 101033 Permit Version: 2 Effective Date: 15th May 2002 Issued Date: 7th March 2000 Revocation Date: 30th March 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: (S) River Frome 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>	A15SW (E)	994	2	366760 181890
10	<p>Discharge Consents</p> <p>Operator: Wessex Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Way, Frampton Cotterell Authority: Environment Agency, South West Region Catchment Area: Frome (Bristol) Reference: 010975 Permit Version: 1 Effective Date: 12th September 1989 Issued Date: Not Supplied Revocation Date: 7th March 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Frome Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m</p>	A15SW (E)	995	2	366760 181870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: VMW Motors (Western) Ltd Location: 172 Bristol Road, Frampton Cotterell, BRISTOL, Avon, BS36 2AX Authority: South Gloucestershire Council, Environmental Services Department Permit Reference: LAEP PFS 013 Dated: 31st December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	312	3	366035 182131
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Auto Electrical Normans Farm Location: Normans Farm, Green Lane, Winterbourne, BRISTOL, Avon, BS17 1RN Authority: South Gloucestershire Council, Environmental Services Department Permit Reference: Epaw6 Dated: 1st December 1992 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Manually positioned to the address or location</p>	A7NW (SW)	942	3	364908 181357
	<p>Nearest Surface Water Feature</p>	A13NW (NW)	2	-	365577 182087
	<p>River Quality</p> <p>Name: Bristol Frome GQA Grade: River Quality B Reach: Conf With Laddon Bk-Conf With Bradley Bk Estimated Distance (km): 6.2 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000</p>	A9NE (SE)	813	2	366458 181535
	<p>Water Abstractions</p> <p>Operator: Mr & Mrs J P Colwill Licence Number: 17/53/002/S/057 Permit Version: 100 Location: Frome Authority: Environment Agency, South West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Frome Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A19NE (NE)	1176	2	366600 182800
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data</p>	A13SW (S)	0	4	365654 182000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NW (S)	0	4	365654 182011
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (S)	0	4	365654 182011
	Superficial Aquifer Designations No Data Available				
	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				
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 604.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A13NW (NW)	2	5	365577 182087
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A13NE (E)	90	5	365839 182024
15	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 70.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A13NW (N)	114	5	365650 182184
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A13NE (N)	179	5	365707 182225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A13NE (N)	220	5	365741 182252
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A13NE (NE)	270	5	365773 182292
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A14NW (E)	353	5	366119 182013
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A18SE (NE)	360	5	365840 182357
21	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A8NW (SW)	404	5	365389 181666
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A8NW (SW)	406	5	365388 181664
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 207.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A18SE (NE)	413	5	365905 182375
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A14NW (NE)	435	5	366093 182259
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A18SE (N)	441	5	365750 182499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A18SE (N)	453	5	365760 182509
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 208.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A18SE (N)	502	5	365809 182540
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	580	5	366088 182467
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	582	5	366163 182397
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	582	5	366163 182397
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	591	5	366088 182466
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	593	5	365996 182537
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 199.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	597	5	365994 182538
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 442.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A12SW (W)	611	5	364954 181878

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	662	5	366192 182478
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 345.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SW (NE)	670	5	366196 182485
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 647.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Frome Catchment Name: Avon Bristol Primacy: 1	A9NE (SE)	722	5	366390 181599
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SE (NE)	733	5	366372 182385
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SE (NE)	736	5	366375 182386
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SE (NE)	736	5	366375 182386
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SE (NE)	739	5	366378 182387
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Frome Catchment Name: Avon Bristol Primacy: 1	A9NE (SE)	740	5	366334 181490
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A9NE (SE)	750	5	366364 181511

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A12SW (W)	751	5	364794 181969
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A12SW (W)	751	5	364794 181969
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 288.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A9NE (SE)	756	5	366368 181507
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (NW)	762	5	364903 182474
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19NW (NE)	790	5	366108 182695
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 279.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19NW (NE)	791	5	366105 182698
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1584.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Frome Catchment Name: Avon Bristol Primacy: 1	A9NW (SE)	796	5	366262 181343
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A12SW (W)	798	5	364747 181965
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 268.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (NW)	802	5	364870 182498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (NW)	802	5	364870 182498
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A9NW (SE)	802	5	366297 181364
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A12SW (W)	804	5	364742 181966
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A9NW (SE)	807	5	366303 181362
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 241.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19SE (NE)	823	5	366484 182376
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (NW)	928	5	364753 182549
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (W)	934	5	364663 182376
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (W)	934	5	364663 182376
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A11SE (W)	952	5	364606 181875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A17SW (NW)	970	5	364652 182447
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 643.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Frome Catchment Name: Avon Bristol Primacy: 1	A15NW (E)	978	5	366699 182271
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Avon Bristol Primacy: 1	A19NW (NE)	979	5	366064 182944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Licensed Waste Management Facilities (Locations) Licence Number: 27230 Location: 11 Court Road, Frampton Cottrell, Bristol, Avon, BS36 2DE Operator Name: Rentokil Initial U K Ltd Operator Location: Not Supplied Authority: Environment Agency - South West Region, Wessex Area Site Category: Clinical Waste Transfer Stations Licence Status: Surrendered Issued: 31st March 1989 Last Modified: 8th November 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 22nd July 2013 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	152	2	365800 181800
	Local Authority Landfill Coverage Name: South Gloucestershire Unitary Council - Has supplied landfill data		0	3	365654 182011
66	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SE (W)	515	-	365086 181814
67	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A9NW (SE)	587	-	365993 181410
68	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	629	-	365893 181324
69	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	693	-	365845 181248
70	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A7NE (SW)	778	-	364986 181510
71	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A19SE (NE)	968	-	366502 182600
72	Registered Waste Transfer Sites Licence Holder: Rentokil Ltd. Env Servs Div Licence Reference: L/NA/T/203A Site Location: 11 Court Road, Frampton Cotterell, BRISTOL, Avon, BS17 2DE Operator Location: As Site Address Authority: Environment Agency - South West Region, North Wessex Area Site Category: Transfer Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st September 1989 Preceded By: L/NA/T/203 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Incontinence Pads & Nappies Used Syringes, Needles & Scalpels Waste Sanitary Dressings Prohibited Waste: Other Waste (Unless By P.A.)	A13SE (SE)	148	2	365770 181790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Rentokil Ltd Licence Reference: L/NAT/203 Site Location: 11 Court Road, Frampton Cotterell, BRISTOL, Avon, BS17 2DE Operator Location: As Site Address Authority: Environment Agency - South West Region, North Wessex Area Site Category: Transfer Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 31st March 1989 Preceded By: Not Given Licence: Superseded By: L/NAT/203A Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Incontinence Pads & Nappies Used Syringes, Needles & Scalpels Waste Sanitary Dressings Prohibited Waste: Waste N.O.S. (Unless By Prior Approval)</p>	A13SE (SE)	148	2	365770 181790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SE (SE)	0	1	365661 182002
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NW (S)	0	1	365654 182011
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (S)	0	1	365654 182011
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	184	1	365882 181816
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	230	1	365317 182000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	233	1	366000 182011
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	235	1	366003 182000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	268	1	365999 181828
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	479	1	365335 182500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	543	1	365000 182000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	570	1	366000 182500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	646	1	366244 181529
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	658	1	365024 182466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17SE (NW)	662	1	365048 182500
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 200 - 300 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NE (SW)	667	1	365000 181666
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (S)	710	1	365570 181235
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SE (S)	790	1	365775 181141
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NE (SE)	793	1	366459 181577
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SE (E)	856	1	366625 182000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	BGS Recorded Mineral Sites Site Name: Frampton Court Location: Winterbourne, Yate, Gloucestershire Source: British Geological Survey, National Geoscience Information Service Reference: 61170 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mangotsfield Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	586	1	365977 181402
74	BGS Recorded Mineral Sites Site Name: Watley'S End Location: Frampton Cotterell, Yate, Gloucestershire Source: British Geological Survey, National Geoscience Information Service Reference: 61182 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mangotsfield Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	637	1	365891 181316
75	BGS Recorded Mineral Sites Site Name: Watley'S End Location: Frampton Cotterell, Yate, Gloucestershire Source: British Geological Survey, National Geoscience Information Service Reference: 61184 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mangotsfield Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	698	1	365840 181242
76	BGS Recorded Mineral Sites Site Name: Winterbourne House Location: Frampton Cotterell, Yate, Gloucestershire Source: British Geological Survey, National Geoscience Information Service Reference: 61186 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mangotsfield Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	874	1	364922 181438
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (S)	0	-	365654 182011
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	184	1	365882 181816
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	31	1	365584 182128
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	184	1	365882 181816
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (S)	0	1	365654 182011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	Contemporary Trade Directory Entries Name: Ben'S Tiles & Reclamations Ltd Location: 119, Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Classification: Reclamation Centres Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	365741 181970
77	Contemporary Trade Directory Entries Name: Sunbeam Timber Products Ltd Location: 119, Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Classification: Fencing Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	365741 181970
77	Contemporary Trade Directory Entries Name: Bens Tiles & Reclamations Location: 119, Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Classification: Reclamation Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	365741 181970
78	Contemporary Trade Directory Entries Name: D E K Motors Location: 119, Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	0	-	365630 182021
79	Contemporary Trade Directory Entries Name: Rentokil Initial Plc Location: 11, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Timber Preservation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	117	-	365773 181825
79	Contemporary Trade Directory Entries Name: Rentokil Specialist Hygiene Location: 11, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	147	-	365767 181790
79	Contemporary Trade Directory Entries Name: Rentokil Pest Control Location: 11, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	147	-	365767 181790
79	Contemporary Trade Directory Entries Name: Rentokil Pest Control Location: 11, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	147	-	365767 181790
79	Contemporary Trade Directory Entries Name: Rentokil Pest Control Location: 11, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	147	-	365767 181790
79	Contemporary Trade Directory Entries Name: Rentokil Property Care Location: 11, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	147	-	365767 181790
79	Contemporary Trade Directory Entries Name: J Hadley Location: 13, Court Road, Frampton Cotterell, Bristol, BS36 2DE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	156	-	365774 181783
80	Contemporary Trade Directory Entries Name: Maid2clean Downend Location: 11, Robel Avenue, Frampton Cotterell, Bristol, BS36 2BY Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	221	-	365977 181891

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	<p>Contemporary Trade Directory Entries</p> <p>Name: Maid2clean Bristol Ltd Location: 11, Robel Avenue, Frampton Cotterell, Bristol, BS36 2BY Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SE (E)	223	-	365977 181886
81	<p>Contemporary Trade Directory Entries</p> <p>Name: B P Service Station Location: Western Garage,172 Bristol Road, Frampton Cotterell, Bristol, Avon, BS36 2AX Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A14NW (E)	309	-	366032 182131
81	<p>Contemporary Trade Directory Entries</p> <p>Name: V M W Motors (Western) Ltd Location: 172, Bristol Road, Frampton Cotterell, Bristol, BS36 2AX Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	312	-	366035 182131
81	<p>Contemporary Trade Directory Entries</p> <p>Name: Texaco Location: Bristol Road, Frampton Cotterell, Bristol, Avon, BS36 2AX Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A14NW (E)	313	-	366034 182135
82	<p>Contemporary Trade Directory Entries</p> <p>Name: A & J Badman Transport Ltd Location: 10, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	341	-	365965 182247
83	<p>Contemporary Trade Directory Entries</p> <p>Name: Camcorder Location: 500, Church Road, Frampton Cotterell, Bristol, BS36 2AL Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	384	-	366097 182167
84	<p>Contemporary Trade Directory Entries</p> <p>Name: Blue Rock Pools Ltd Location: Poplar Farm,Bristol Road, Frampton Cotterell, Bristol, Avon, BS36 2AW Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A14NW (NE)	420	-	366048 182282
85	<p>Contemporary Trade Directory Entries</p> <p>Name: Winterbourne Willows Location: 141, Watleys End Road, Winterbourne, BRISTOL, BS36 1QQ Classification: Fencing Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NE (SE)	514	-	365963 181477
86	<p>Contemporary Trade Directory Entries</p> <p>Name: We Buy Any Scrap Car Location: Baileys Courtyard, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AT Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	608	-	365647 182696
87	<p>Contemporary Trade Directory Entries</p> <p>Name: Southco Manufacturing Ltd Location: 39, PARK ROW, FRAMPTON COTTERELL, BRISTOL, BS36 2BS Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	649	-	366309 181608
88	<p>Contemporary Trade Directory Entries</p> <p>Name: Multi-Crete Location: Perrinpit Farm, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AT Classification: Concrete & Mortar Ready Mixed Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	683	-	365434 182757

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	<p>Contemporary Trade Directory Entries</p> <p>Name: Moloney Automatics Location: 8, Factory Road, Winterbourne, Bristol, BS36 1QN Classification: Knitting Yarn Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	686	-	365849 181256
90	<p>Contemporary Trade Directory Entries</p> <p>Name: Acouclean Location: 36, Brookside Drive, Frampton Cotterell, Bristol, BS36 2AF Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	772	-	366514 181762
91	<p>Contemporary Trade Directory Entries</p> <p>Name: Beacon Superior Cleaning Services Ltd Location: 14, Lewton Lane, Winterbourne, Bristol, BS36 1NL Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	782	-	365423 181206
92	<p>Contemporary Trade Directory Entries</p> <p>Name: Door Dwell Ltd Location: Unit 5-6, Crossley Farm Business Centre, Swan Lane, Winterbourne, Bristol, BS36 1RH Classification: Door & Gate Operating Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	798	-	365132 181366
93	<p>Contemporary Trade Directory Entries</p> <p>Name: Gas Boiler Repairs Location: Swan La, Winterbourne, Bristol, Avon, BS36 1RL Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A7NE (SW)	870	-	365026 181352
94	<p>Contemporary Trade Directory Entries</p> <p>Name: Elite Hygiene Services Ltd Location: 24, Watleys End Road, Winterbourne, Bristol, BS36 1PQ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	876	-	365201 181221
95	<p>Contemporary Trade Directory Entries</p> <p>Name: K & M Vehicle Services Location: Swan La, Winterbourne, Bristol, BS36 1RJ Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NW (SW)	897	-	364919 181408
96	<p>Contemporary Trade Directory Entries</p> <p>Name: K & M Vehicle Services (Int) Ltd Location: Silverstone, Swan Lane, Winterbourne, Bristol, BS36 1RJ Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (W)	952	-	364593 181957
97	<p>Contemporary Trade Directory Entries</p> <p>Name: Bath International Transport Location: Normans Lea, Green Lane, Winterbourne, Bristol, BS36 1RN Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	955	-	364880 181366
98	<p>Contemporary Trade Directory Entries</p> <p>Name: Workstation Office Products Location: 46, Meadow Mead, Frampton Cotterell, Bristol, BS36 2BE Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15SW (E)	956	-	366713 181815
99	<p>Contemporary Trade Directory Entries</p> <p>Name: The Global Damp Proofing Service Location: 2, Mill Lane, Frampton Cotterell, Bristol, BS36 2AA Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15NW (E)	975	-	366743 182036

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	Contemporary Trade Directory Entries Name: Esso Location: At Tesco High Street, Winterbourne, Bristol, Avon, BS36 1RB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	998	-	365094 181147
100	Contemporary Trade Directory Entries Name: Esso Location: High Street, Winterbourne, Bristol, Avon, BS36 1RB Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	998	-	365094 181147
101	Fuel Station Entries Name: Western Garage Location: 172, Bristol Road Church Road, Frampton Cotterell, Bristol, South Gloucestershire, BS36 2AX Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A14NW (E)	312	-	366035 182131
102	Points of Interest - Commercial Services Name: Ben's Tiles & Reclamations Ltd Location: 119 Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13SE (SE)	0	7	365741 181970
102	Points of Interest - Commercial Services Name: Dek Motors Location: 119 Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	0	7	365741 181970
102	Points of Interest - Commercial Services Name: D E K Motors Location: 119 Bristol Road, Frampton Cotterell, Bristol, BS36 2AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	7	365682 182008
103	Points of Interest - Commercial Services Name: Rentokil Pest Control Location: 11 Court Road, Frampton Cotterell, Bristol, BS36 2DE Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A13SE (SE)	147	7	365767 181790
104	Points of Interest - Commercial Services Name: V M W Motors Ltd Location: 172 Bristol Road, Frampton Cotterell, Bristol, BS36 2AX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	312	7	366035 182131
105	Points of Interest - Commercial Services Name: A & J Badman Ltd Location: 10 Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	341	7	365965 182247
105	Points of Interest - Commercial Services Name: Freight Line South West Ltd Location: 10 Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	341	7	365965 182247
106	Points of Interest - Commercial Services Name: We Buy Any Scrap Car Location: Baileys Courtyard, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AT Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18NW (N)	609	7	365645 182697

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Points of Interest - Commercial Services Name: Mobile Mechanic Bristol Location: Baileys Courtyard, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	609	7	365644 182697
107	Points of Interest - Commercial Services Name: Bath International Transport Location: Normans Farm, Green Lane, Winterbourne, Bristol, BS36 1RN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	969	7	364875 181351
108	Points of Interest - Education and Health Name: Frome Valley Medical Centre Location: 2 Court Road, Frampton Cotterell, Bristol, BS36 2DE Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SE (S)	102	7	365692 181832
109	Points of Interest - Manufacturing and Production Name: A E Weaver & Son Location: Perrinpit Farm, Perrinpit Road, Frampton Cotterell, Bristol, BS36 2AT Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A18NW (N)	684	7	365430 182757
110	Points of Interest - Manufacturing and Production Name: C F Lowe Location: Crossley Farm, Swan Lane, Winterbourne, Bristol, BS36 1RH Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A7NE (SW)	790	7	365162 181354
110	Points of Interest - Manufacturing and Production Name: Business Centre Location: BS36 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	810	7	365110 181366
111	Points of Interest - Manufacturing and Production Name: Tank Location: BS36 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	867	7	365237 181209
112	Points of Interest - Public Infrastructure Name: BP Service Station Location: 172 Bristol Road, Frampton Cotterell, Bristol, BS36 2AX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	312	7	366035 182131
112	Points of Interest - Public Infrastructure Name: GB Oils Western Garage (Vmw Motors) Location: 172 Bristol Road, Frampton Cotterell, Bristol, BS36 2AX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	312	7	366035 182131
112	Points of Interest - Public Infrastructure Name: Western Garage Location: 172 Bristol Road, Frampton Cotterell, Bristol, BS36 2AX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	312	7	366035 182131
112	Points of Interest - Public Infrastructure Name: Texaco Location: Bristol Road, Frampton Cotterell, Bristol, BS36 2AX Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NW (E)	313	7	366034 182135
113	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	543	7	365948 181436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Points of Interest - Public Infrastructure Name: Cemetery Location: BS36 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	543	7	365944 181435
114	Points of Interest - Public Infrastructure Name: Slurry Pits Location: BS36 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	621	7	365549 182711
114	Points of Interest - Public Infrastructure Name: Slurry Pit Location: BS36 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	637	7	365564 182728
115	Points of Interest - Public Infrastructure Name: Esso Location: High Street, Winterbourne, Bristol, BS36 1RB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SE (SW)	998	7	365094 181147
116	Points of Interest - Recreational and Environmental Name: Skatepark Location: BS36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	394	7	366080 181725
117	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	471	7	366213 181810
117	Points of Interest - Recreational and Environmental Name: Playground Location: Thornhayes Close, BS36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	487	7	366236 181827
118	Points of Interest - Recreational and Environmental Name: Campus Skate Parks Location: Watleys End Road, Winterbourne, Bristol, BS36 1QG Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (S)	538	7	365848 181407
119	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	575	7	366306 181760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	<p>Areas of Adopted Green Belt</p> <p>Authority: South Gloucestershire Council Plan Name: South Gloucestershire Local Plan Core Strategy 2006 - 2027 Status: Adopted Plan Date: 11th December 2013</p>	A13NW (S)	0	9	365654 182011

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office South Gloucestershire Council - Environmental Services Department Bristol City Council - Environmental Health Department	June 2020 October 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - South West Region	January 2022	Quarterly
Enforcement and Prohibition Notices Environment Agency - South West Region	March 2013	
Integrated Pollution Controls Environment Agency - South West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South West Region	January 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control Bristol City Council - Environmental Health Department South Gloucestershire Council - Environmental Services Department	February 2015 January 2015	Variable Variable
Local Authority Pollution Prevention and Controls Bristol City Council - Environmental Health Department South Gloucestershire Council - Environmental Services Department	February 2015 January 2015	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bristol City Council - Environmental Health Department South Gloucestershire Council - Environmental Services Department	February 2015 January 2015	Variable Variable
Nearest Surface Water Feature Ordnance Survey	February 2022	
Pollution Incidents to Controlled Waters Environment Agency - South West Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - South West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - South West Region	March 2013	
Registered Radioactive Substances Environment Agency - South West Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - South West Region - North Wessex Area Environment Agency - South West Region - Wessex Area	January 2022 January 2022	Quarterly Quarterly
Water Abstractions Environment Agency - South West Region	January 2022	Quarterly
Water Industry Act Referrals Environment Agency - South West Region	October 2017	
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

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2022	Quarterly
Flood Defences Environment Agency - Head Office	February 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified


Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	January 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - South West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South West Region - North Wessex Area Environment Agency - South West Region - Wessex Area	January 2022 January 2022	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South West Region - North Wessex Area Environment Agency - South West Region - Wessex Area	January 2022 January 2022	Quarterly Quarterly
Local Authority Landfill Coverage Bristol City Council South Gloucestershire Council - Environmental Services Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bristol City Council South Gloucestershire Council - Environmental Services Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - South West Region - North Wessex Area Environment Agency - South West Region - Wessex Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - South West Region - North Wessex Area Environment Agency - South West Region - Wessex Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - South West Region - North Wessex Area Environment Agency - South West Region - Wessex Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Bristol City Council - Planning Department South Gloucestershire Council - Development Control: Planning	April 2015 May 2016	Variable Variable
Planning Hazardous Substance Consents Bristol City Council - Planning Department South Gloucestershire Council - Development Control: Planning	April 2015 May 2016	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	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	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2022	Quarterly
Points of Interest - Education and Health PointX	March 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2022	Quarterly
Points of Interest - Public Infrastructure PointX	March 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Bristol City Council South Gloucestershire Council	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Bristol City Council South Gloucestershire Council	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	South Gloucestershire Council - Environmental Services Department Council Offices, Castle Street, Thornbury, Gloucestershire, BS35 1HF	Telephone: 01454 863485 Fax: 01454 863642 Website: www.southglos.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	South Gloucestershire Council Council Offices, Castle Street, Thornbury, Bristol, Gloucestershire, BS12 1HF	Telephone: 01454 868686 Fax: 01454 419754 Website: www.southglos.gov.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.

Appendix I – Historical Maps

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **Sl** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250

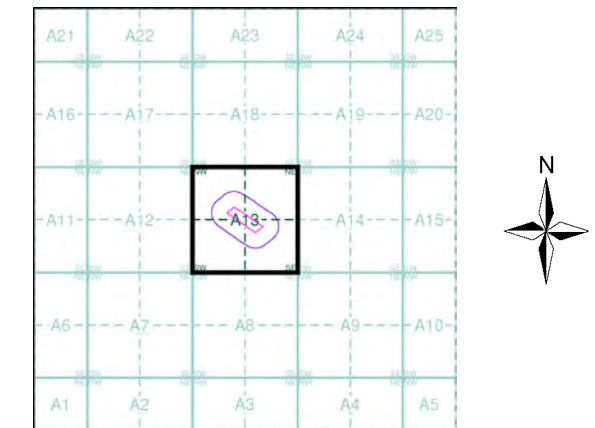
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Gloucestershire	1:2,500	1881	2
Gloucestershire	1:2,500	1903	3
Gloucestershire	1:2,500	1920	4
Gloucestershire	1:2,500	1935	5
Ordnance Survey Plan	1:2,500	1964	6
Ordnance Survey Plan	1:2,500	1973	7
Additional SIMs	1:2,500	1978	8
Additional SIMs	1:2,500	1987	9
Additional SIMs	1:2,500	1989	10
Large-Scale National Grid Data	1:2,500	1992	11
Large-Scale National Grid Data	1:2,500	1992	12
Historical Aerial Photography	1:2,500	1999	13

Historical Map - Segment A13



Order Details

Order Number: 293206852_1_1
 Customer Ref: P0637 CS-J-1363
 National Grid Reference: 365650, 182010
 Slice: A
 Site Area (Ha): 1.31
 Search Buffer (m): 100

Site Details

119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



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

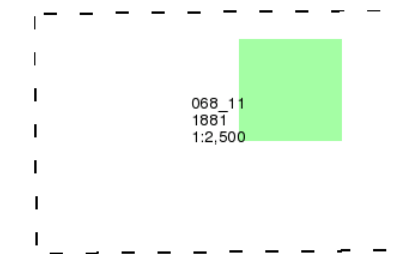
Gloucestershire

Published 1881

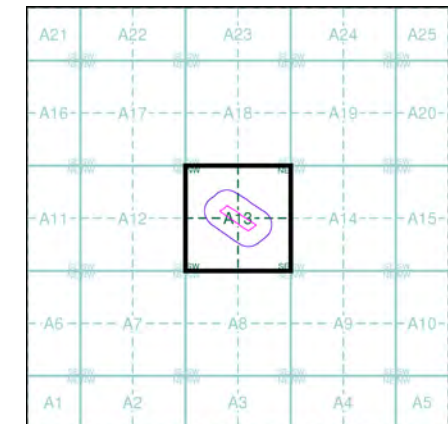
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

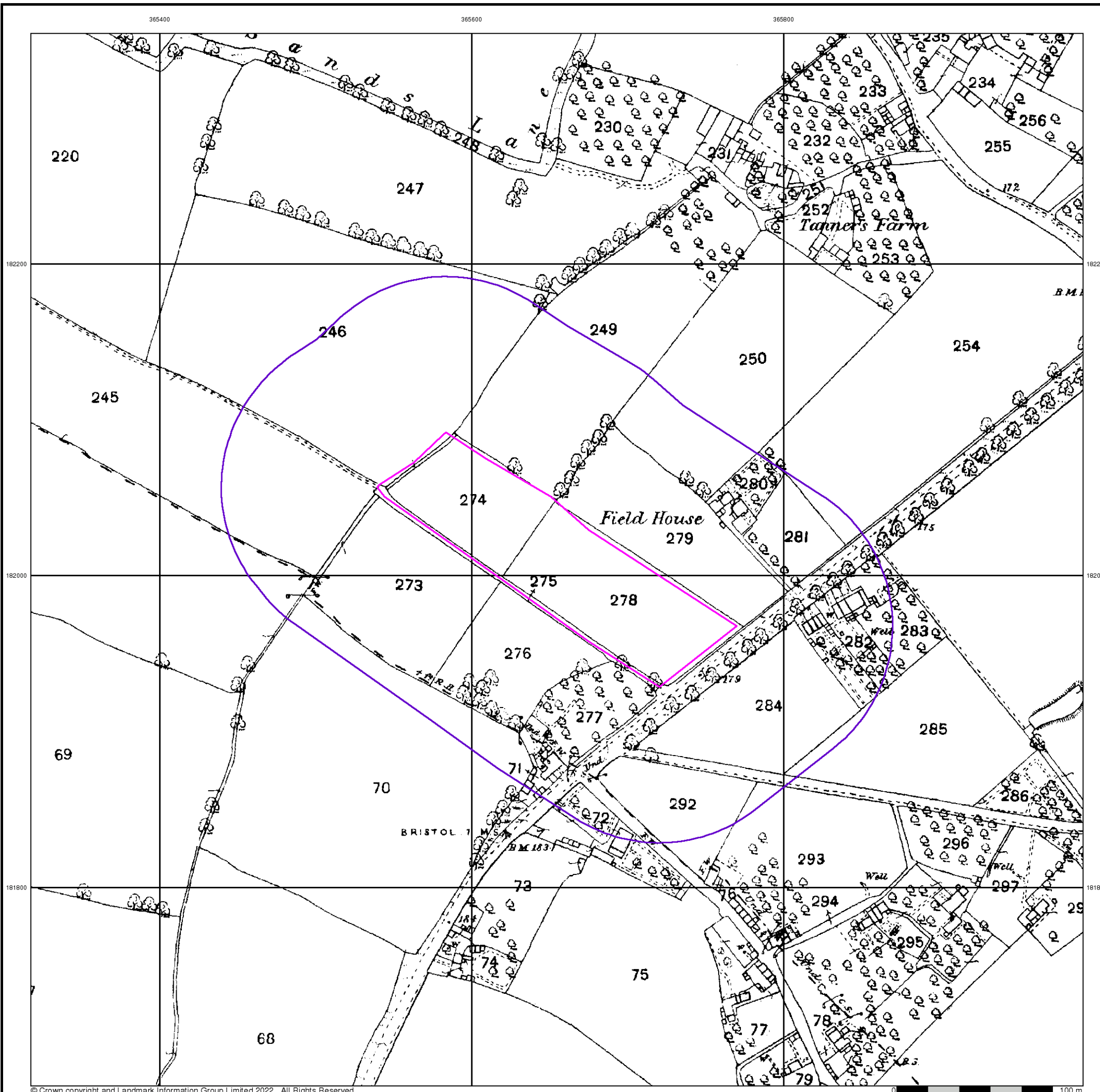


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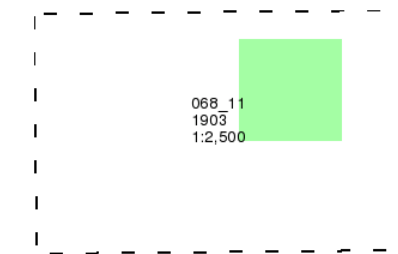
Gloucestershire

Published 1903

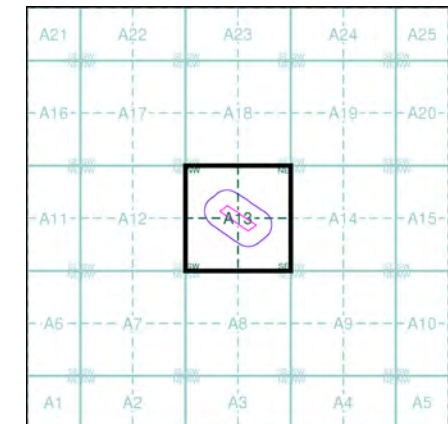
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



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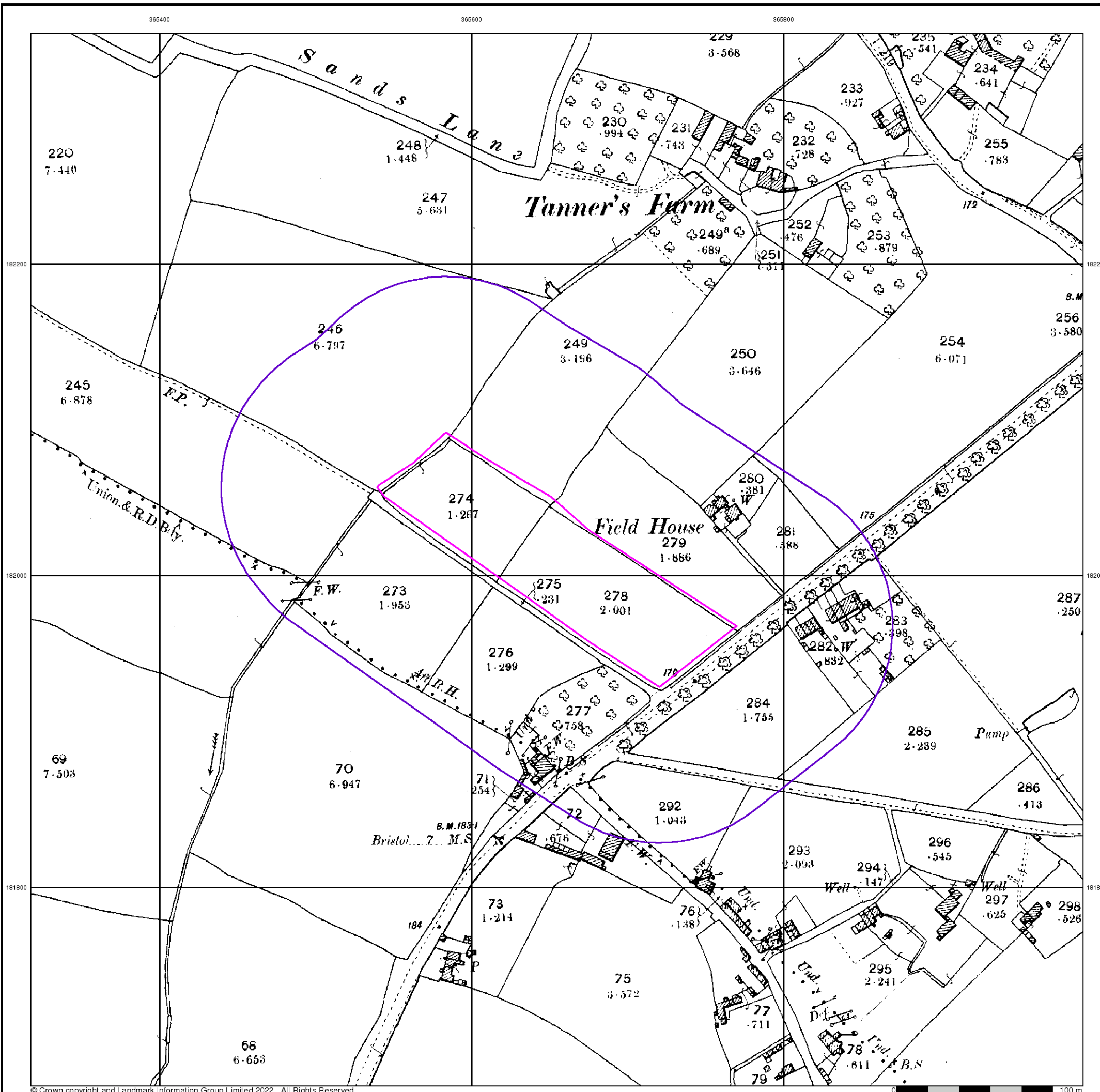


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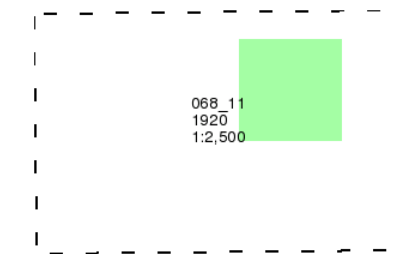
Gloucestershire

Published 1920

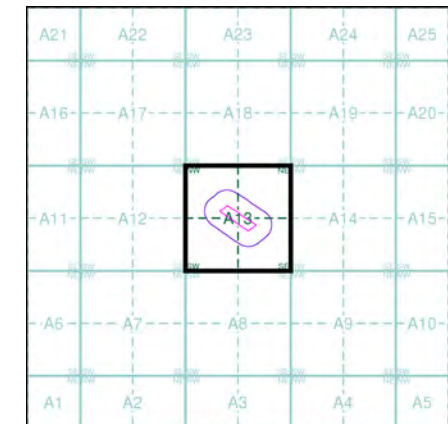
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Map Name(s) and Date(s)



Historical Map - Segment A13

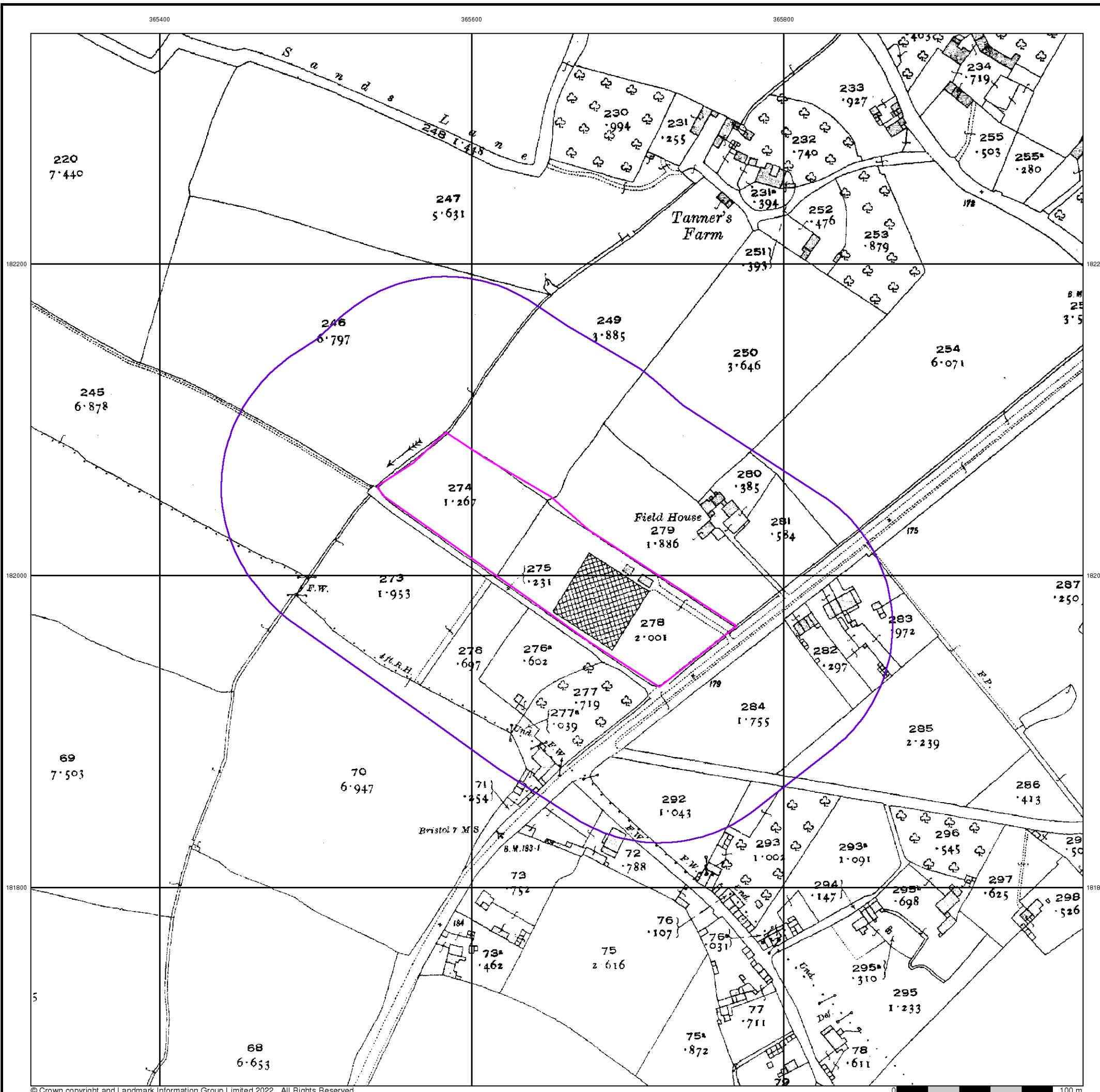


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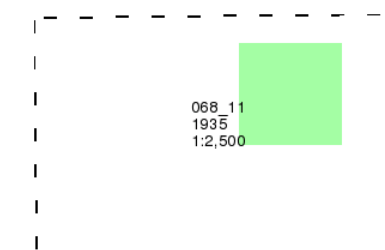
Gloucestershire

Published 1935

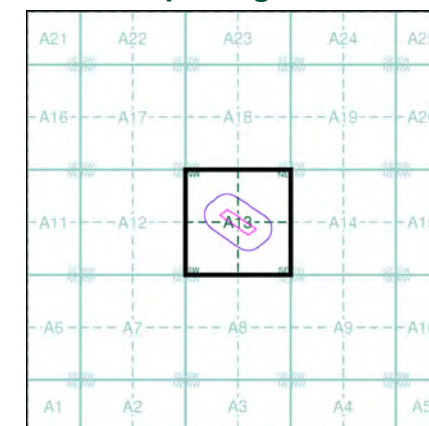
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Map Name(s) and Date(s)



Historical Map - Segment A13

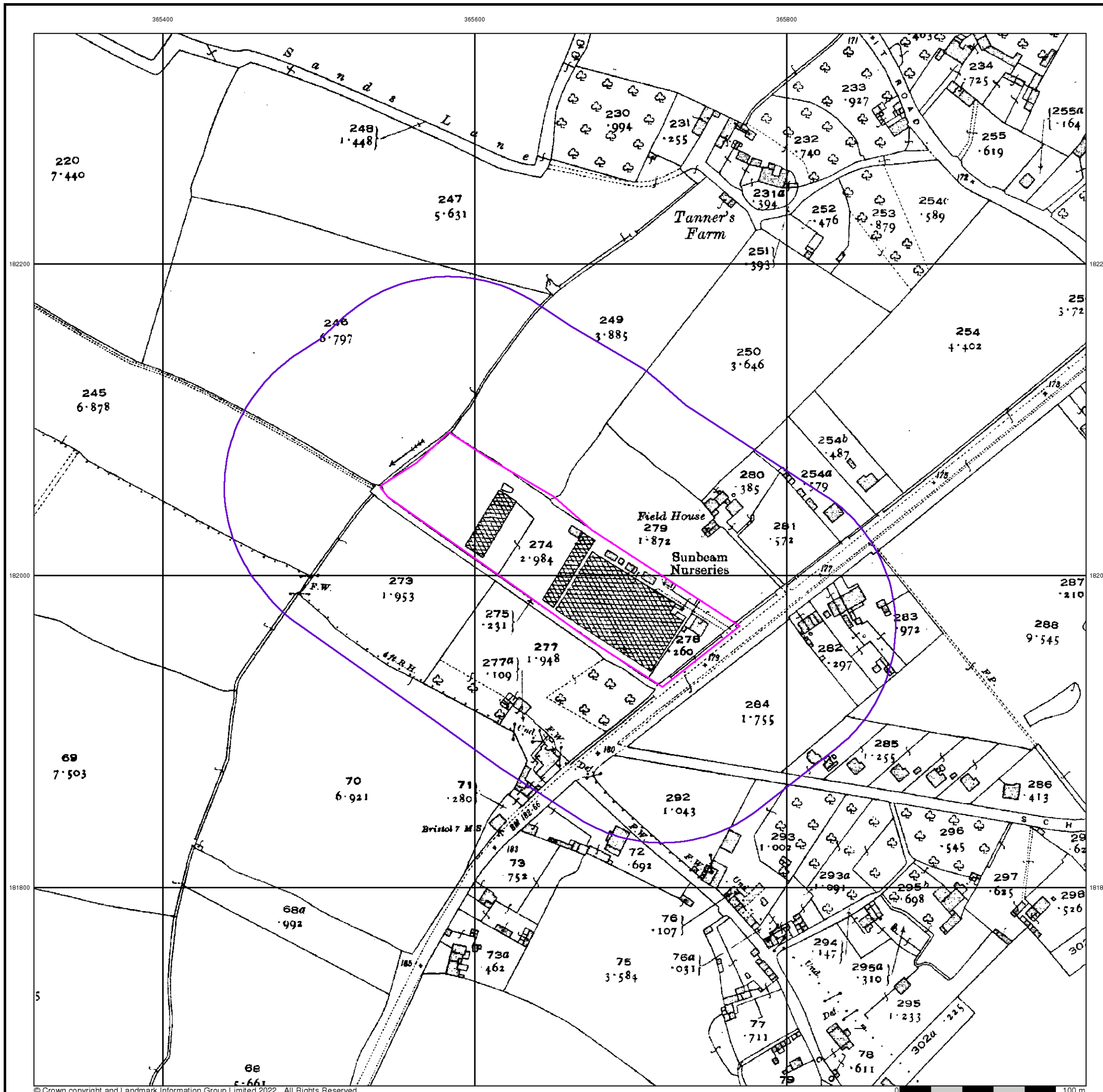


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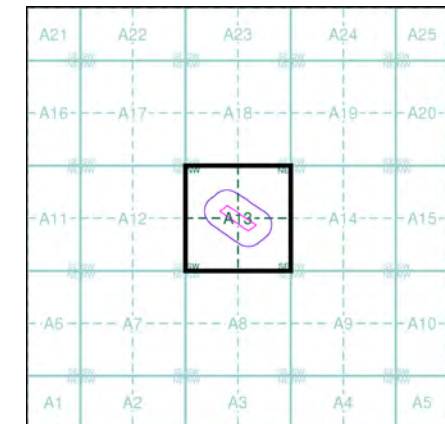
Ordnance Survey Plan
Published 1964
Source map scale - 1:2,500

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Map Name(s) and Date(s)

ST 6582	1964	1:2,500
ST 6581	1964	1:2,500

Historical Map - Segment A13

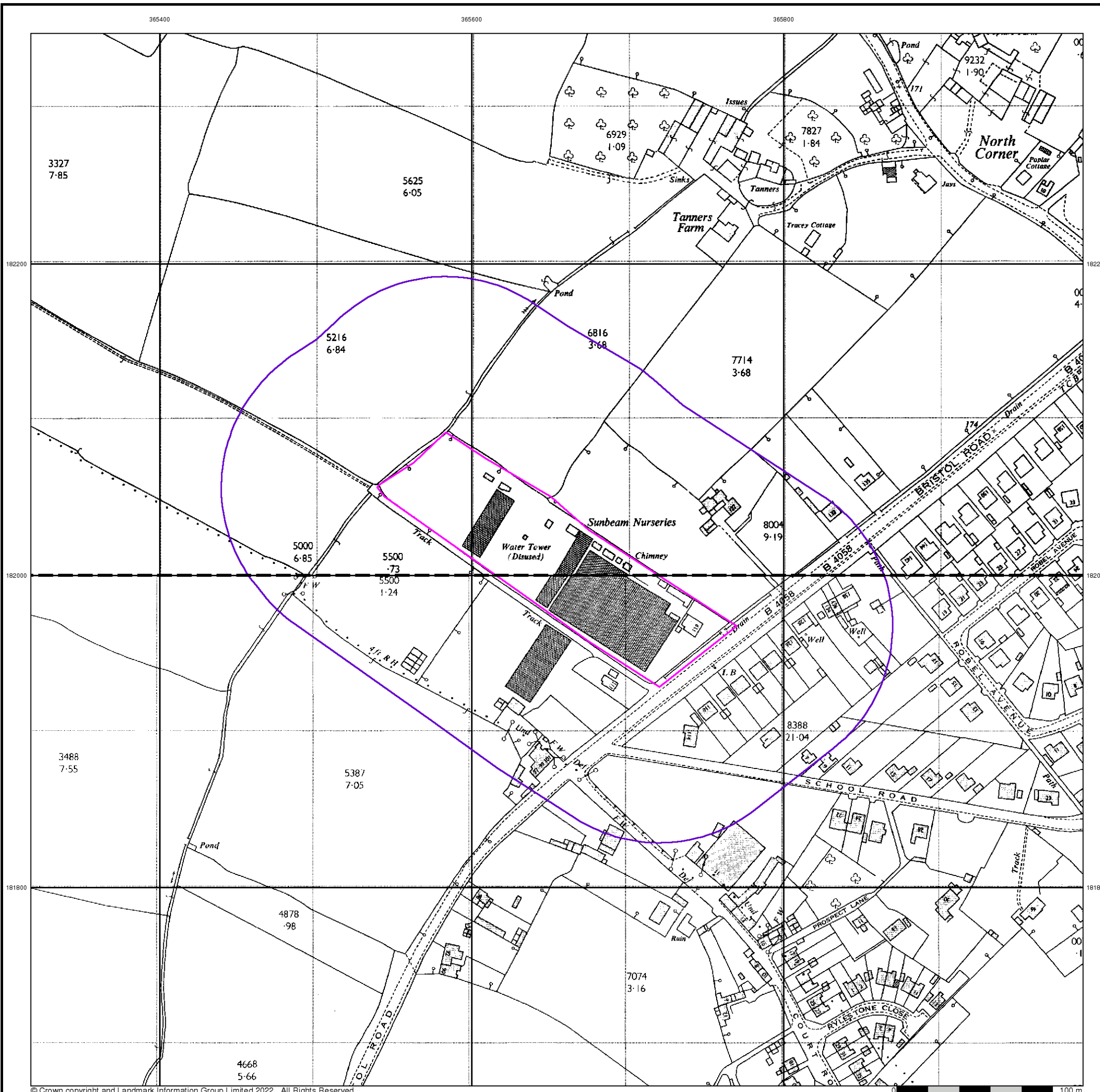


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Site Details

119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



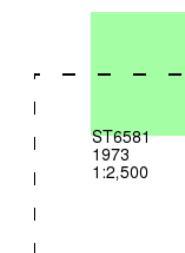
Ordnance Survey Plan

Published 1973

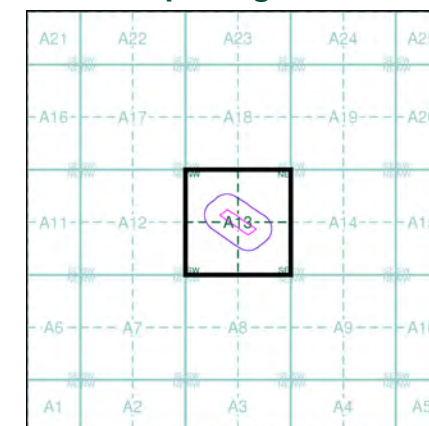
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Map Name(s) and Date(s)



Historical Map - Segment A13

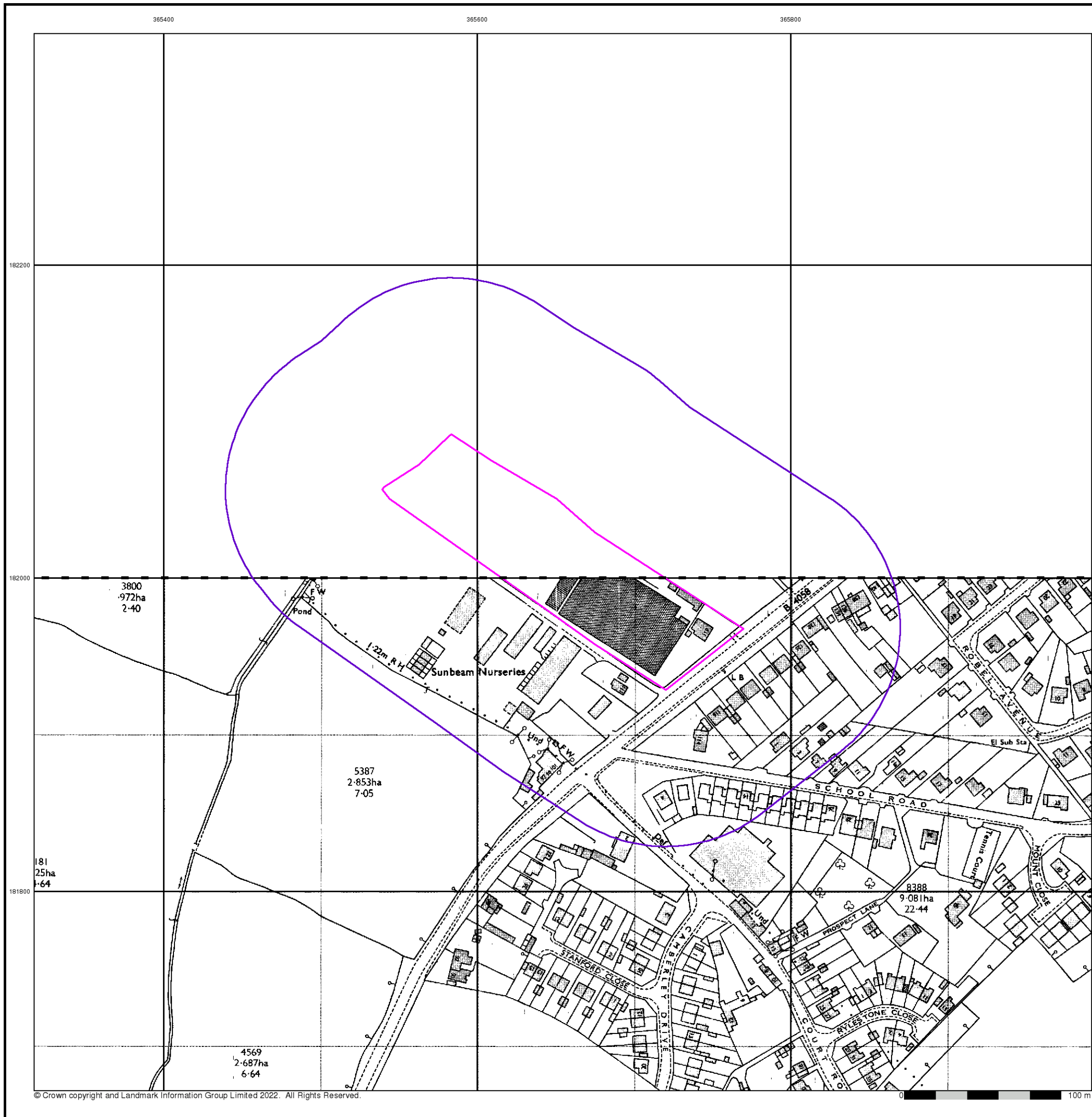


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 Search Buffer (m): 100

Site Details

119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



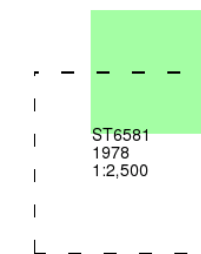
Additional SIMs

Published 1978

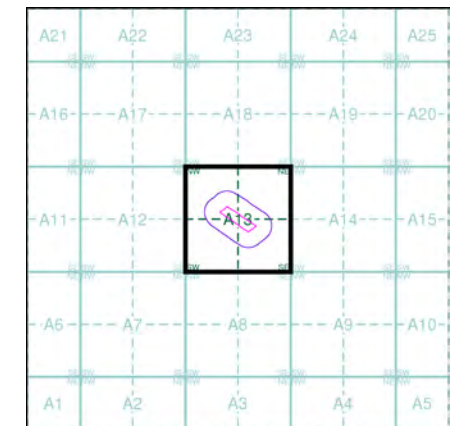
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

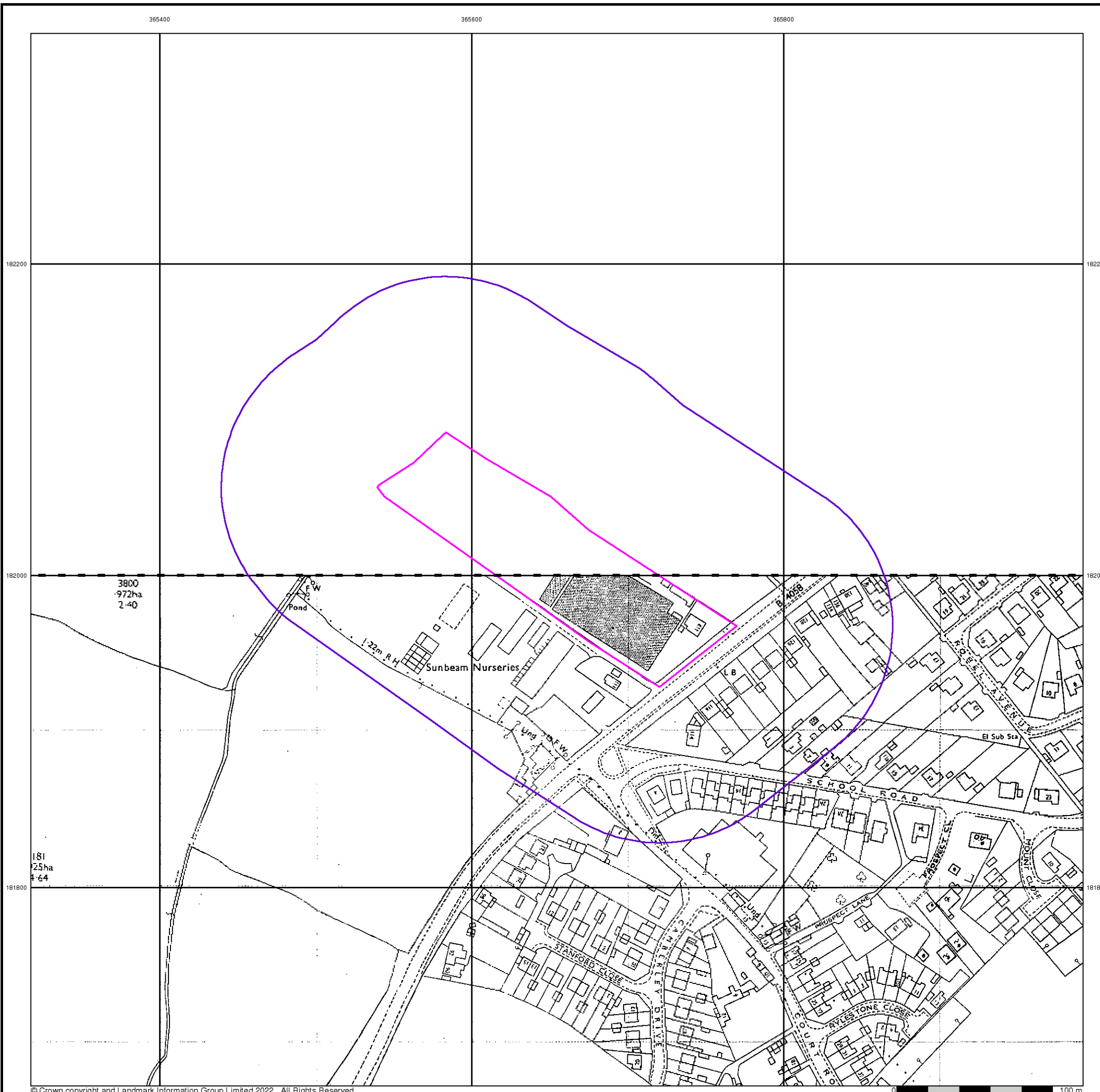


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Site Details

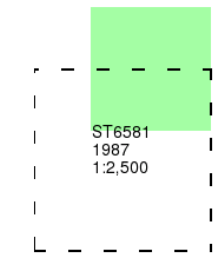
119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



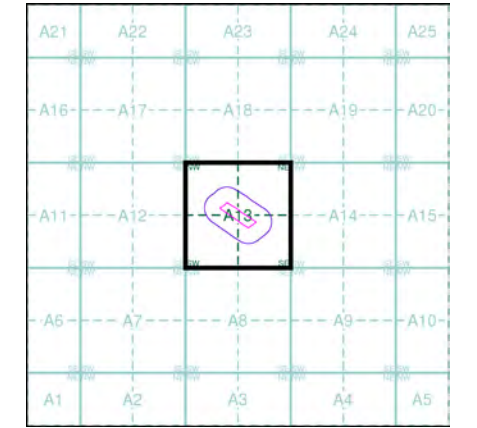
**Additional SIMs
Published 1987
Source map scale - 1:2,500**

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

Map Name(s) and Date(s)



Historical Map - Segment A13

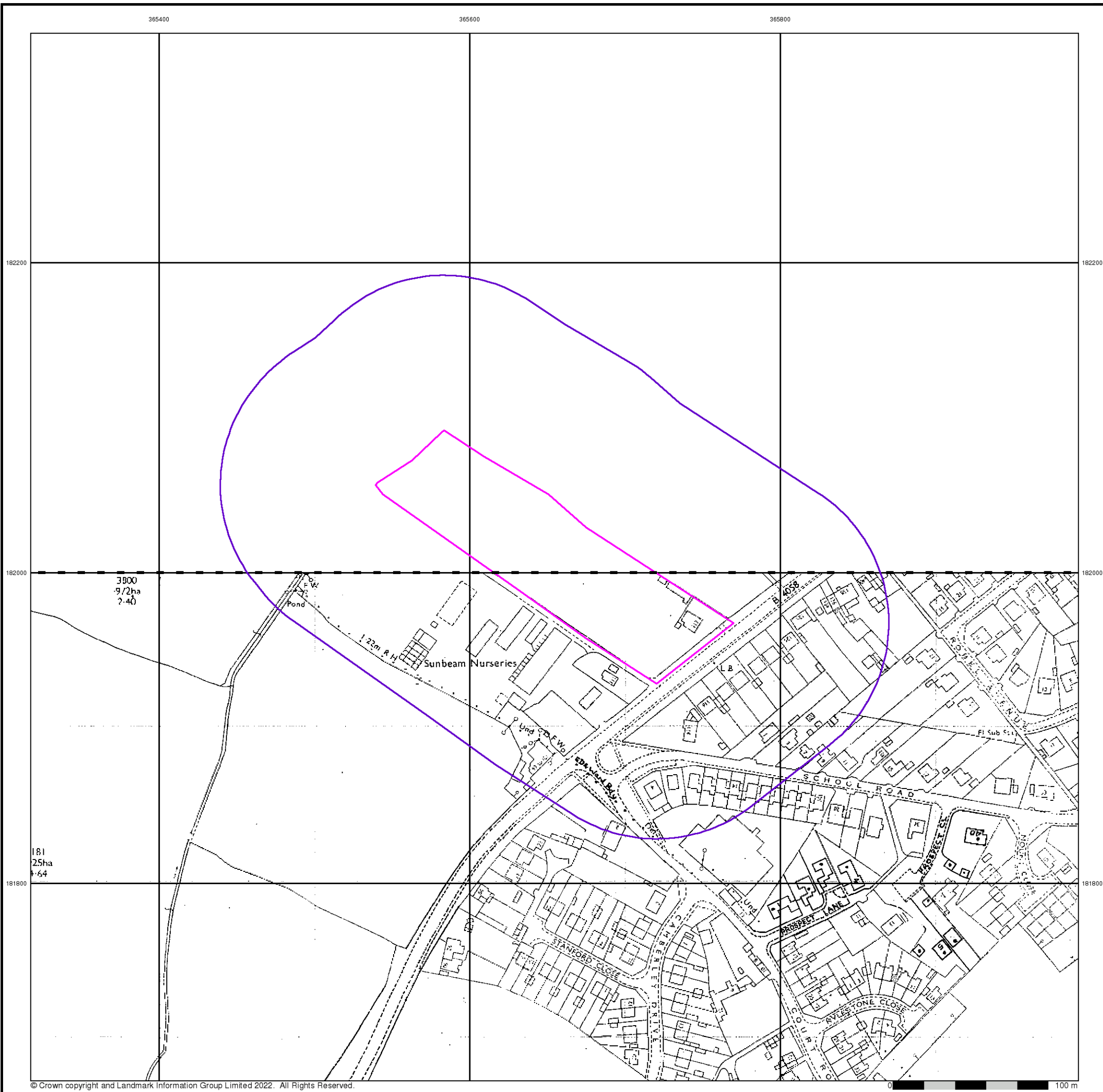


Order Details

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 National Grid Reference: 365650, 182010
 Slice: A
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 Search Buffer (m): 100

Site Details

119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



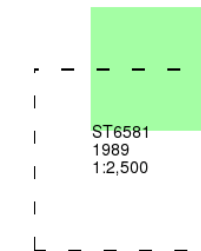
Additional SIMs

Published 1989

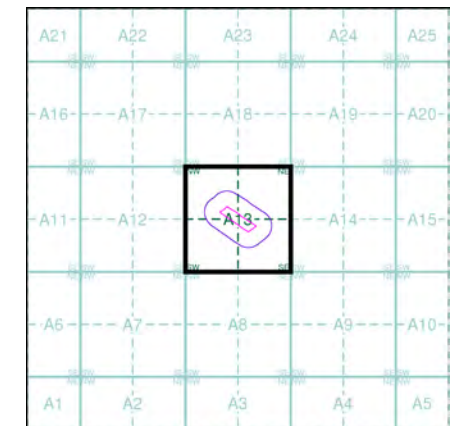
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

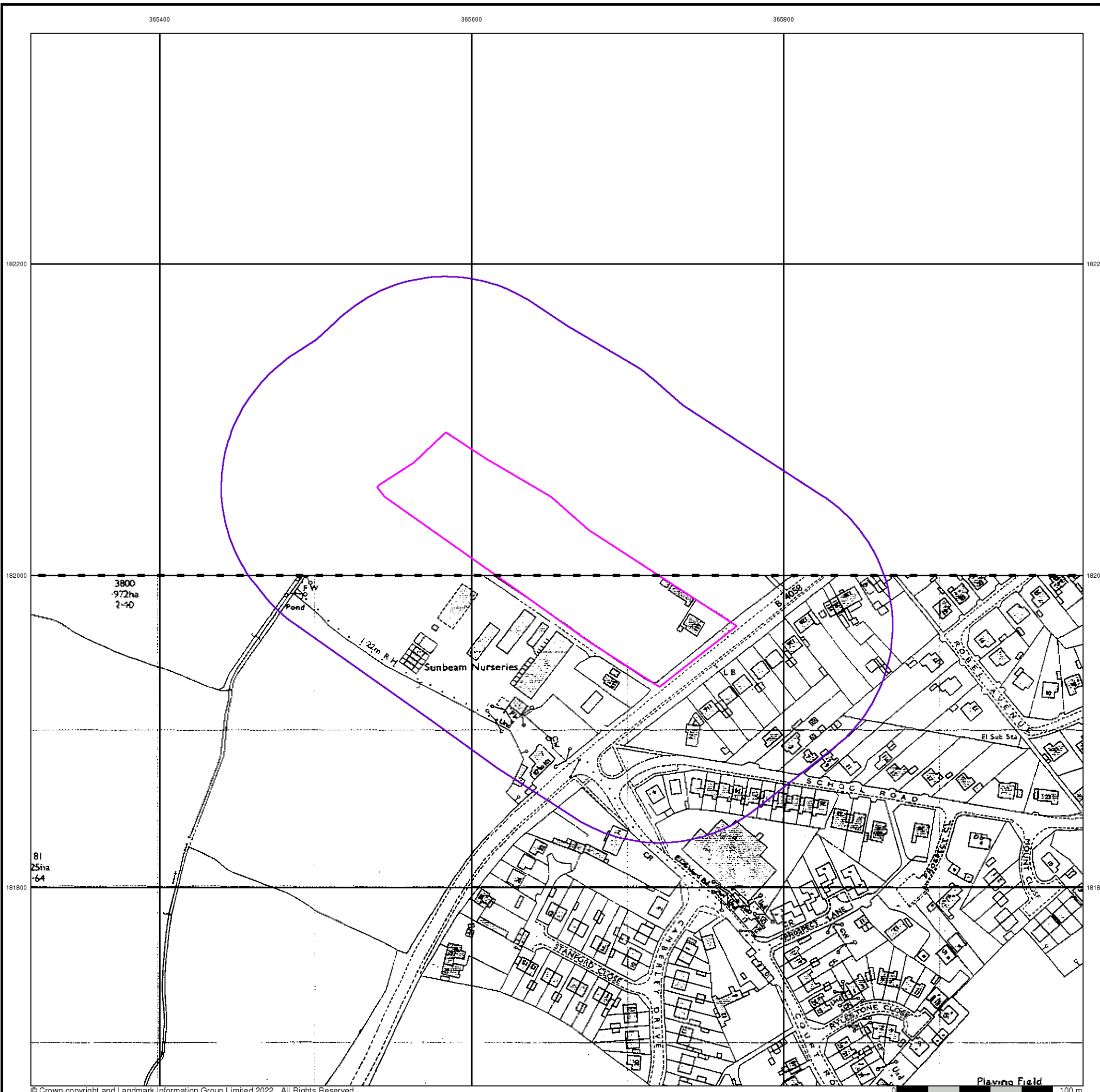


Order Details

Order Number: 293206852_1_1
 Customer Ref: P0637 CS-J-1363
 National Grid Reference: 365650, 182010
 Slice: A
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 Search Buffer (m): 100

Site Details

119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



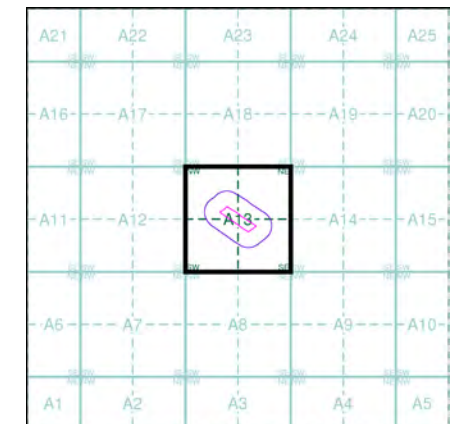
Large-Scale National Grid Data Published 1992 Source map scale - 1:2,500

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

Map Name(s) and Date(s)

ST6582	1992	1:2,500
ST6581	1992	1:2,500

Historical Map - Segment A13

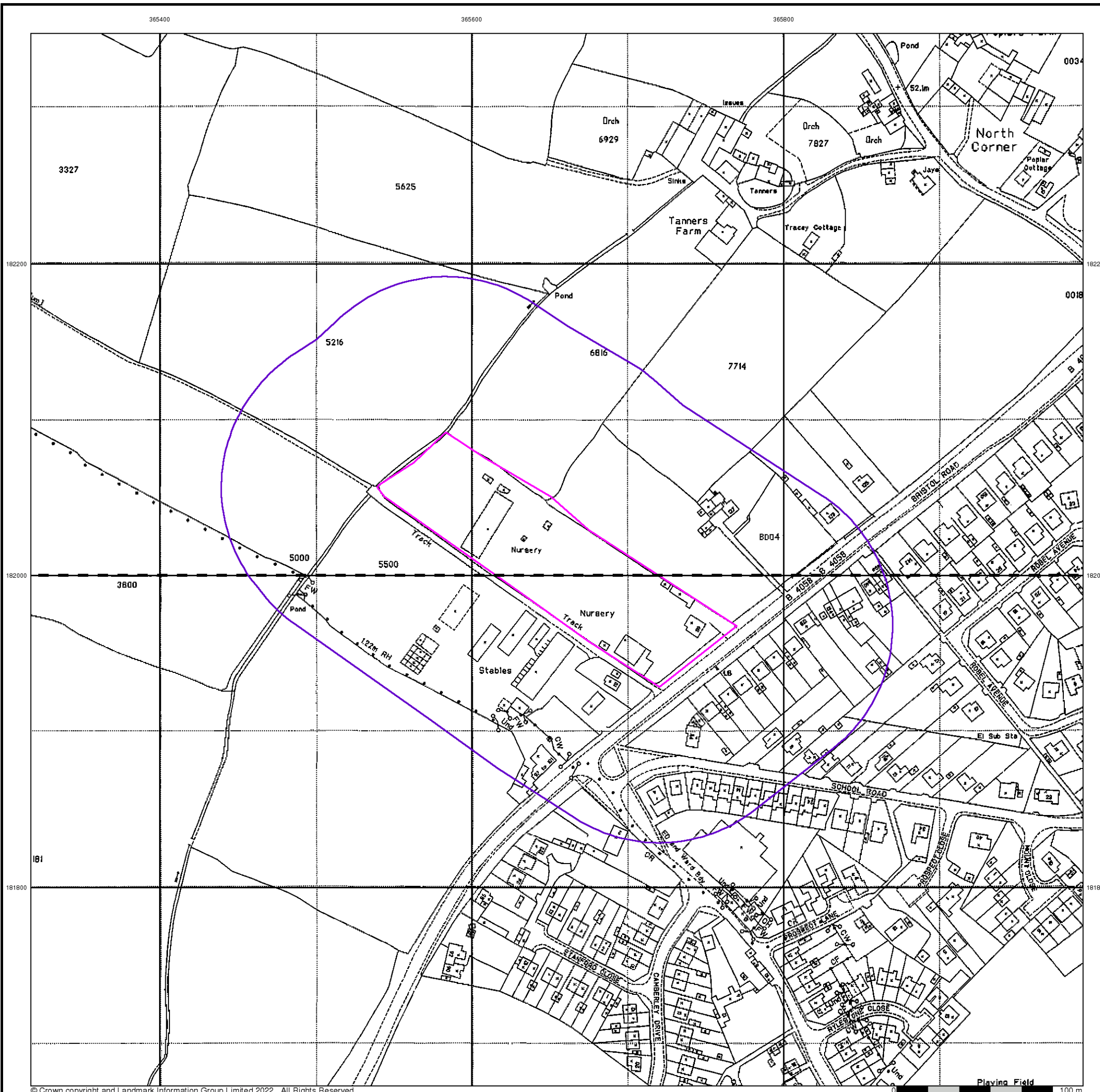


Order Details

Order Number: 293206852_1_1
 Customer Ref: P0637 CS-J-1363
 National Grid Reference: 365650, 182010
 Slice: A
 Site Area (Ha): 1.31
 Search Buffer (m): 100

Site Details

119, Bristol Road, FRAMPTON COTTERELL, BS36 2AU



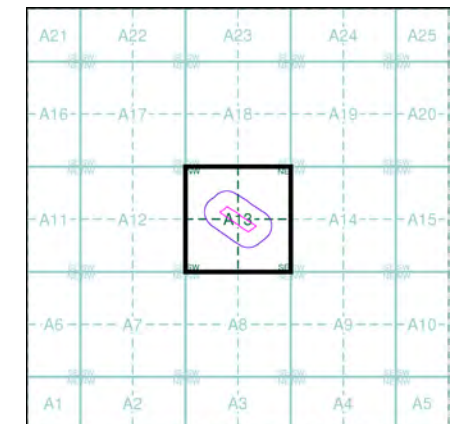
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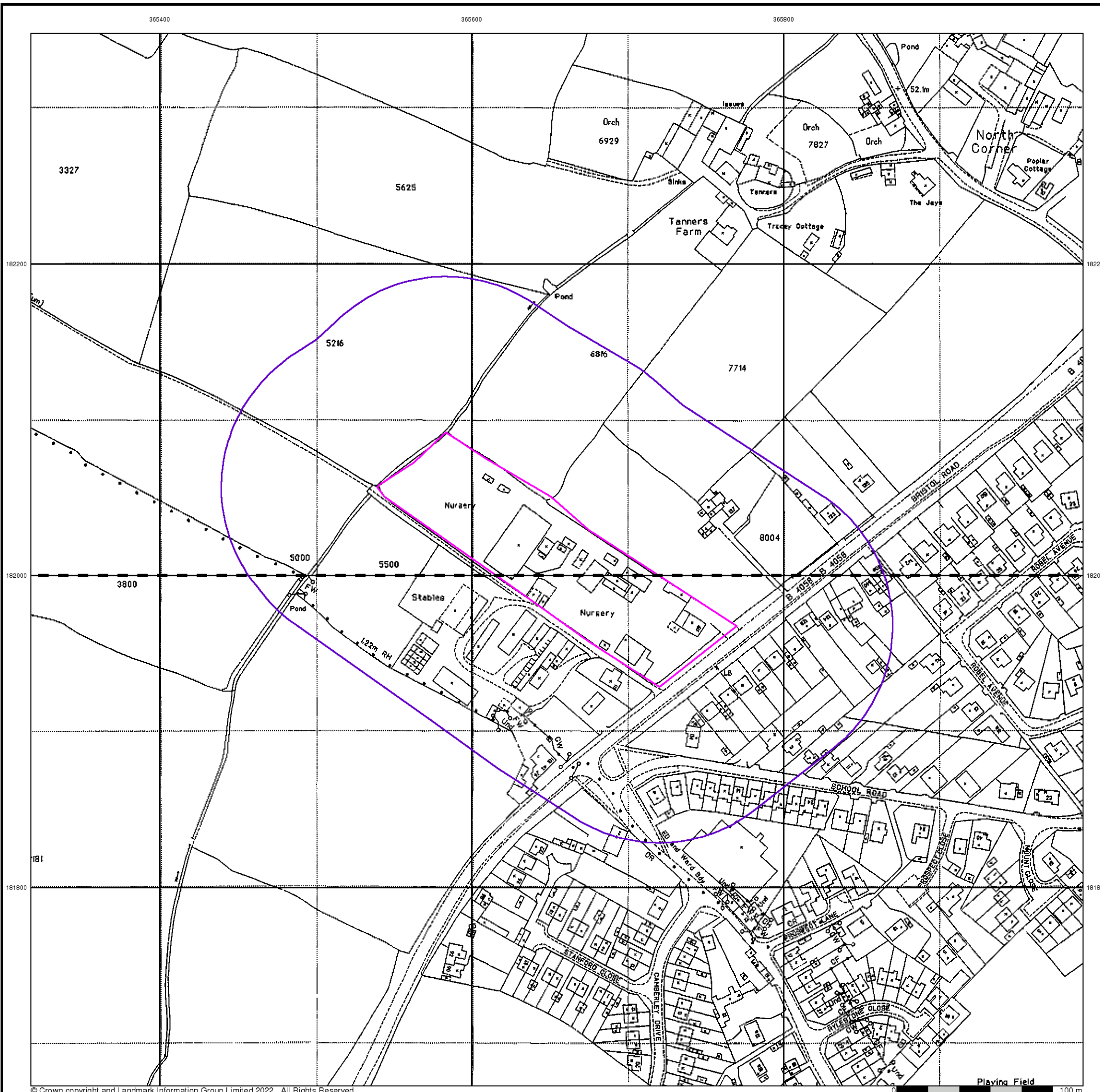


Order Details

Order Number: 293206852_1_1
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 National Grid Reference: 365650, 182010
 Slice: A
 Site Area (Ha): 1.31
 Search Buffer (m): 100

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365400

365600

365800



Historical Aerial Photography

Published 1999

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

182200

182200

182000

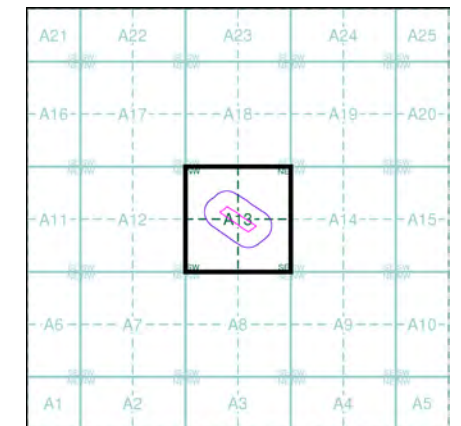
182000

181800

181800



Historical Aerial Photography - Segment A13



Order Details

Order Number: 293206852_1_1
 Customer Ref: P0637 CS-J-1363
 National Grid Reference: 365650, 182010
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