

Our Ref: EFS/146423 (Ver. 1)

Your Ref:

October 29, 2014



ESG

Bretby Business Park

Ashby Road

Burton-on-Trent

Staffordshire

DE15 0YZ

Telephone: 01283 554400

Facsimile: 01283 554422

Mr P Kelly
Canal & River Trust
The Dock Office
Commercial Road
Gloucester
GL1 2EB

For the attention of Mr P Kelly

Dear Mr Kelly

Sample Analysis - Canal

Samples from the above site have been analysed in accordance with the schedule supplied.

The sample details and the results of analyses for these samples are given in the appended report.

An invoice for this work will follow under a separate cover.

Where appropriate the samples will be kept until 27/11/14 when they will be discarded. Please call 01283 554458 for an extension of this date.

Please be aware that our policy for the retention of paper based laboratory records and analysis reports is 6 years.

The work was carried out in accordance with Environmental Scientifics Group Ltd (Laboratory and Analytical) Standard Terms and Conditions of Contract.

If I can be of any further assistance please do not hesitate to contact me.

Yours sincerely

for ESG

A handwritten signature in black ink, appearing to read 'D Simpson', is written over a horizontal line.

D Simpson
Project Co-ordinator
01283 554458

TEST REPORT



Report No. EFS/146423 (Ver. 1)

Canal & River Trust
The Dock Office
Commercial Road
Gloucester
GL1 2EB

Site: Canal

The 2 samples described in this report were registered for analysis by ESG on 16-Oct-2014. This report supersedes any versions previously issued by the laboratory.

The analysis was completed by: 29-Oct-2014

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS accredited
Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by ESG.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of PAH (MS-SIM) (80) Results (Pages 4 to 5)
GC-FID Chromatograms (Pages 6 to 7)
Analytical and Deviating Sample Overview (Pages 8 to 9)
Table of Method Descriptions (Page 10)
Table of Report Notes (Page 11)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
ESG :
Declan Burns

A handwritten signature in black ink, appearing to read 'D. Burns'.

Operations Director
Laboratory and Analytical Business

Date of Issue: 29-Oct-2014

Tests marked '^' have been subcontracted to another laboratory.

Where samples have been flagged as deviant on the Analytical and Deviating Sample Overview, for any reason, the data may not be representative of the sample at the point of sampling and the validity of the data may be affected.

ESG accepts no responsibility for any sampling not carried out by our personnel.

Polycyclic Aromatic Hydrocarbons

GC/MS (SIM)

Customer and Site Details:	Canal & River Trust: Canal		
Sample Details:	Llangynidr 1	Job Number:	S14_6423
LIMS ID Number:	CL1427804	Date Booked in:	16-Oct-14
QC Batch Number:	140897	Date Extracted:	27-Oct-14
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-14
Directory:	028MS10.PAH\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	5.80	0.41	99
Anthracene	120-12-7	5.85	0.09	98
Fluoranthene	206-44-0	7.16	0.55	88
Pyrene	129-00-0	7.45	0.42	88
Benzo[a]anthracene	56-55-3	9.14	0.32	98
Chrysene	218-01-9	9.19	0.36	99
Benzo[b]fluoranthene	205-99-2	10.68	0.41	91
Benzo[k]fluoranthene	207-08-9	10.71	0.12	92
Benzo[a]pyrene	50-32-8	11.11	0.26	97
Indeno[1,2,3-cd]pyrene	193-39-5	12.50	0.17	63
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	12.81	0.16	85
Total (USEPA16) PAHs	-	-	< 3.67	-
Total (Oil Guide 8) PAHs	-	-	< 1.72	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	84
Acenaphthene-d10	83
Phenanthrene-d10	85
Chrysene-d12	79
Perylene-d12	74

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	104
Terphenyl-d14	112

Concentrations are reported on a wet weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

The Oil Guide 8 PAHs comprise of Benzo[a]anthracene, Chrysene, Benzo[b/k/j]fluoranthene's Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene and Dibenzo[a,h]anthracene. Benzo[j]fluoranthene co-elutes with Benzo[b/k]fluoranthene's and therefore is included in the sum of the Oil Guide 8 but is not individually listed.

Where individual results are flagged see report notes for status.

Polycyclic Aromatic Hydrocarbons

GC/MS (SIM)

Customer and Site Details:	Canal & River Trust: Canal		
Sample Details:	Llangynidr 2	Job Number:	S14_6423
LIMS ID Number:	CL1427805	Date Booked in:	16-Oct-14
QC Batch Number:	140897	Date Extracted:	27-Oct-14
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-14
Directory:	028MS10.PAH\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

UKAS accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit
Naphthalene	91-20-3	-	< 0.08	-
Acenaphthylene	208-96-8	-	< 0.08	-
Acenaphthene	83-32-9	-	< 0.08	-
Fluorene	86-73-7	-	< 0.08	-
Phenanthrene	85-01-8	-	< 0.08	-
Anthracene	120-12-7	-	< 0.08	-
Fluoranthene	206-44-0	-	< 0.08	-
Pyrene	129-00-0	-	< 0.08	-
Benzo[a]anthracene	56-55-3	-	< 0.08	-
Chrysene	218-01-9	-	< 0.08	-
Benzo[b]fluoranthene	205-99-2	-	< 0.08	-
Benzo[k]fluoranthene	207-08-9	-	< 0.08	-
Benzo[a]pyrene	50-32-8	-	< 0.08	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.08	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.08	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.08	-
Total (USEPA16) PAHs	-	-	< 1.28	-
Total (Oil Guide 8) PAHs	-	-	< 0.56	-

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	80
Acenaphthene-d10	77
Phenanthrene-d10	80
Chrysene-d12	73
Perylene-d12	65

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	102

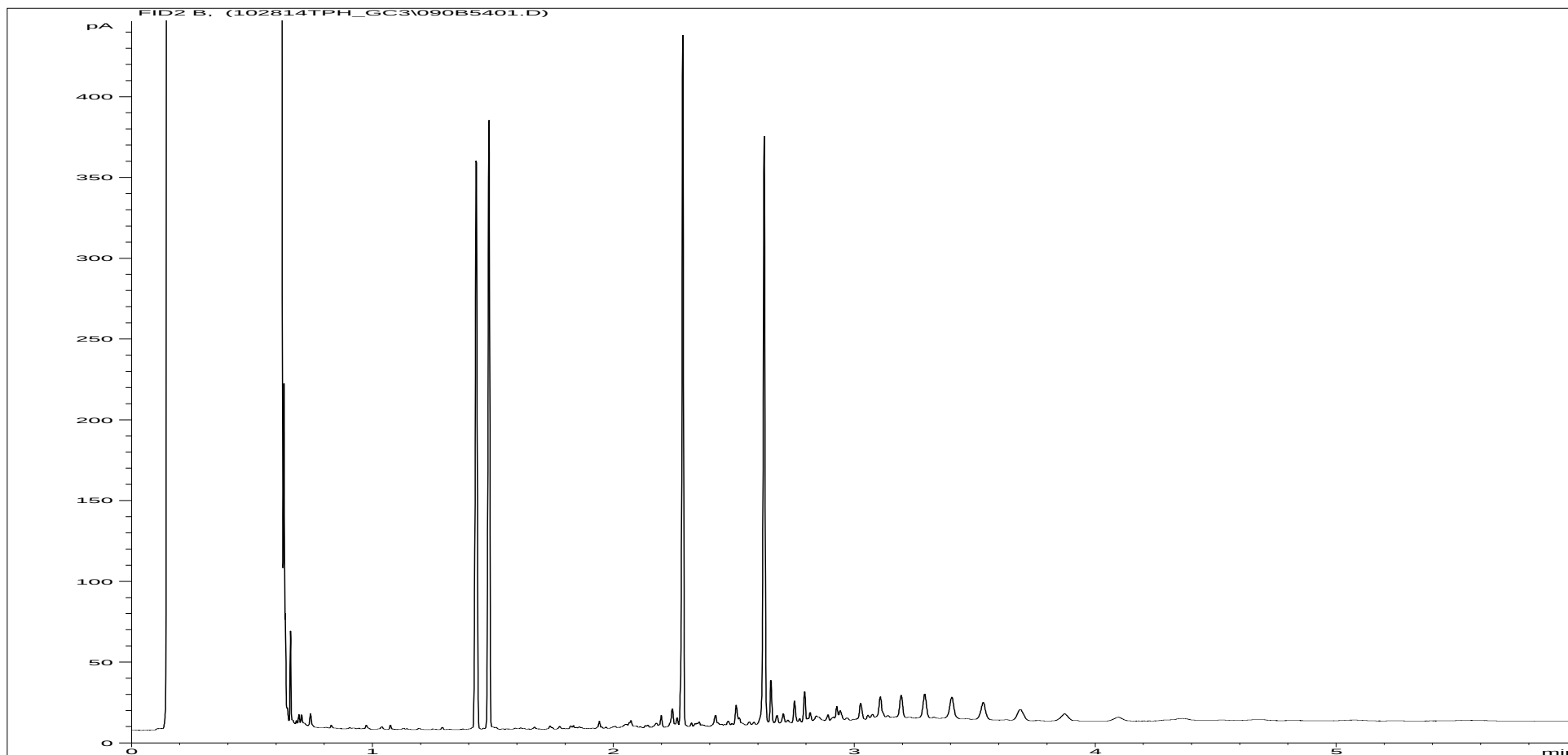
Concentrations are reported on a wet weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

The Oil Guide 8 PAHs comprise of Benzo[a]anthracene, Chrysene, Benzo[b/k/j]fluoranthene's Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene and Dibenzo[a,h]anthracene. Benzo[j]fluoranthene co-elutes with Benzo[b/k]fluoranthene's and therefore is included in the sum of the Oil Guide 8 but is not individually listed.

Where individual results are flagged see report notes for status.

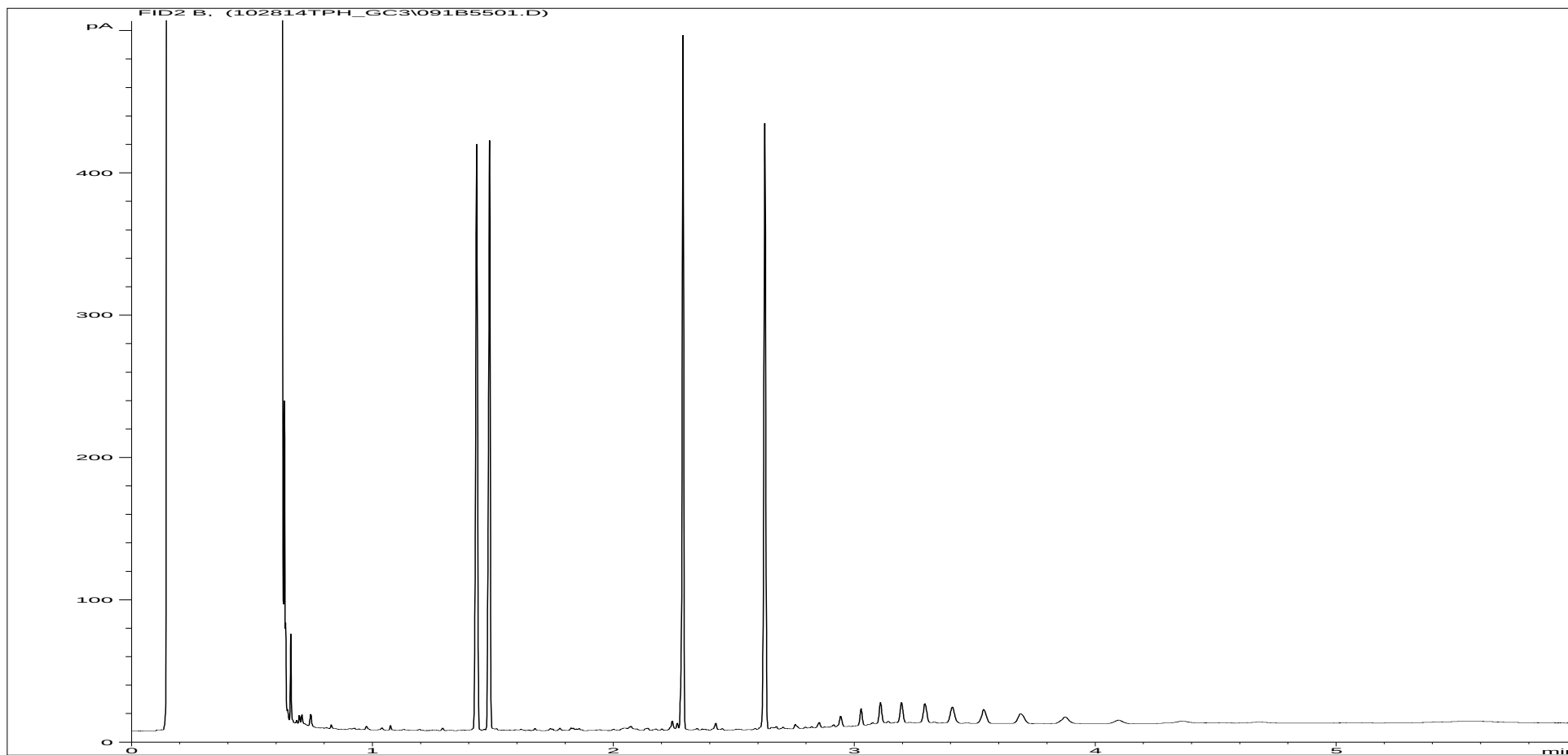
Petroleum Hydrocarbons (C8 to C40) by GC/FID



Sample ID:	CL1427804SCU	Job Number:	S14_6423
Multiplier:	16.16	Client:	Canal & River Trust
Dilution:	1	Site:	Canal
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	Llangynidr 1
Acquisition Date/Time:	29-Oct-14		
Datafile:	D:\TES\DATA\Y2013\02\102814TPH_GC3\090B5401.D		

Where individual results are flagged see report notes for status.

Petroleum Hydrocarbons (C8 to C40) by GC/FID



Sample ID:	CL1427805SCU	Job Number:	S14_6423
Multiplier:	14.88	Client:	Canal & River Trust
Dilution:	1	Site:	Canal
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	Llangynidr 2
Acquisition Date/Time:	29-Oct-14		
Datafile:	D:\TES\DATA\Y2013\02\102814TPH_GC3\091B5501.D		

Where individual results are flagged see report notes for status.

Customer	Canal & River Trust
Site	Canal
Report No	S146423

Consignment No S44259
Date Logged 16-Oct-2014

Report Due 29-Oct-2014

CEN Leach B									
SFAPL	Cyanide(Total) (AR)	✓							
PHSOIL	pH units (AR)	✓							
PAHMSUS	PAH (16) by GCMS inc. Sum 8	✓							
MICROTSS	Tot.Moisture @ 105C	✓							
ICPSOIL	Barium.	✓							
	Zinc (MS)	✓							
	Selenium (MS)	✓							
	Nickel (MS)	✓							
	Molybdenum (MS)	✓							
	Mercury (MS)	✓							
	Lead (MS)	✓							
	Copper (MS)	✓							
	Chromium (MS)	✓							
	Cadmium (MS)	✓							
	ICPMSS	Arsenic (MS)	✓						
ICPBOR	Boron (H2O Soluble)	✓							
GROHSA	GRO	✓							
FOCS	S.O.M. % (Calc)								
Field	Grid Reference Northing								
	Grid Reference Easting								
DW35	Moisture @ 35C								
CustServ	Report B								
CEN Leach B	CEN Leac(P)C	Fraction of sample above 4 mm %							
		Fraction of non-crushable material %							
MethodID	Sampled								
Description									
ID Number									
CL/1427804	Llangynidr 1	14/10/14							
CL/1427805	Llangynidr 2	14/10/14							

Note: For analysis where the scheduled turnaround is greater than the holding time we will do our utmost to prioritise these samples. However, it is possible that samples could become deviant whilst being processed in the laboratory.

In this instance please contact the laboratory immediately should you wish to discuss how you would like us to proceed. If you do not respond within 24 hours, we will proceed as originally requested.

Deviating Sample Key

- | | |
|---|--|
| A | The sample was received in an inappropriate container for this analysis |
| B | The sample was received without the correct preservation for this analysis |
| C | Headspace present in the sample container |
| D | The sampling date was not supplied so holding time may be compromised - applicable to all analysis |
| E | Sample processing did not commence within the appropriate holding time |
| F | Sample processing did not commence within the appropriate handling time |

Requested Analysis Key

- | | |
|--|---|
| | Analysis Required |
| | Analysis dependant upon trigger result - Note: due date may be affected if triggered |
| | No analysis scheduled |
| | Analysis Subcontracted - Note: due date may vary |

Where individual results are flagged see report notes for status.

Customer
Site
Report No

Canal & River Trust
Canal
S146423

Consignment No S44259
Date Logged 16-Oct-2014
Report Due 29-Oct-2014

ID Number	Description	MethodID	SFAP1	SFAS	THMSCALC	TPHED SCU	TPHEDUS	WSLMS9
		Sampled	Phenol Index.(AR)	Sulphide as S (AR)	Dry Matter %	TPH Band (>25-C40) (SCU)	TPH by GC/FID (SCU)	Total Organic Carbon
			✓		✓			
CL/1427804	Llangynidr 1	14/10/14						
CL/1427805	Llangynidr 2	14/10/14						

Note: For analysis where the scheduled turnaround is greater than the holding time we will do our utmost to prioritise these samples. However, it is possible that samples could become deviant whilst being processed in the laboratory.

In this instance please contact the laboratory immediately should you wish to discuss how you would like us to proceed. If you do not respond within 24 hours, we will proceed as originally requested.

Deviating Sample Key

A

The sample was received in an inappropriate container for this analysis

B

The sample was received without the correct preservation for this analysis

C

Headspace present in the sample container

D

The sampling date was not supplied so holding time may be compromised - applicable to all analysis

E

Sample processing did not commence within the appropriate holding time

F

Sample processing did not commence within the appropriate handling time

Requested Analysis Key

Analysis Required

Analysis dependant upon trigger result - Note: due date may be affected if triggered

No analysis scheduled

Analysis Subcontracted - Note: due date may vary

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	CEN Leachate	As Received	Determination of Oversize and Inert Material Content prior to leaching sample
Soil	DW35	As Received	Determination of the total moisture content at 35°C by loss on oven drying gravimetric analysis
Soil	Field	As Received	Analysis performed in the field by sampling team.
Soil	FOCS	Oven Dried @ < 35°C	Calculation of Soil Organic Matter content from Organic Carbon content of soil samples
Soil	GROHSA	As Received	Determination of Total Gasoline Range Organics Hydrocarbons (GRO) by Headspace GCFID
Soil	ICPBOR	Oven Dried @ < 35°C	Determination of Boron in soil samples by hot water extraction followed by ICPOES detection
Soil	ICPMSS	Oven Dried @ < 35°C	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	ICPSOIL	Oven Dried @ < 35°C	Determination of Metals in soil samples by aqua regia digestion followed by ICPOES detection
Soil	MICROTMSS	As Received	Determination of the Total Moisture content at 105°C by loss on oven drying gravimetric analysis utilising a microwave moisture meter
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SFAS	As Received	Segmented flow analysis with colorimetric detection
Soil	TMSSCALC	As Received	Calculated from the 100 - Total Moisture Content @ 100°C
Soil	TPHFID-SCU	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection including cleanup of extract using activated silica
Soil	TPHFIDUS	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection.
Soil	WSLM59	Oven Dried @ < 35°C	Determination of Organic Carbon in soil using sulphurous Acid digestion followed by high temperature combustion and IR detection

Where individual results are flagged see report notes for status.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on the basis indicated in the Method Description table.
All results on MCERTS reports are reported on a 105°C dry weight basis with the exception of pH and conductivity.
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Nil: Where "Nil" has been entered against Total Alkalinity or Total Acidity this indicates that a measurement was not required due to the inherent pH of the sample.

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

TR Denotes Tremolite

CR Denotes Crocidolite

AC Denotes Actinolite

AM Denotes Amosite

AN Denotes Anthophyllite

NAIIS No Asbestos Identified in Sample

NADIS No Asbestos Detected In Sample

Symbol Reference

^ Sub-contracted analysis.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

N.F No Flow

NS Information Not Supplied

Req Analysis requested, see attached sheets for results

▯ Raised detection limit due to nature of the sample

* All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

§ accreditation has been removed for this result as it is a non-accredited matrix

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

Sample Descriptions

Client : Canal & River Trust
Site : Canal
Report Number : S14_6423

Note: major constituent in upper case



ANALYTICAL REPORT											
Report Number	68401-15	K474	SIMON MCMILLAN	Client	SAL0015844 SOIL						
Date Received	07-MAY-2015		ADAS ENVIRONMENT GROUP		LLANGYNIDR CANAL						
Date Reported	11-MAY-2015		ALCESTER RD								
Project	SAL0015844 SOIL 050515		STRATFORD-UPON-AVON								
Reference	LLANGYNIDR CANAL		WARWICKSHIRE								
Order Number			CV37 9RQ								
Laboratory Reference		SOIL275169	SOIL275170								
Sample Reference		LLG B	LLG CD								
Determinand	Unit	SOIL	SOIL								
pH water [1:2.5]		5.5	5.3								
Available Phosphorus (Index)	mg/l	11.4 (1)	11.8 (1)								
Available Potassium (Index)	mg/l	134 (2-)	90.5 (1)								
Available Magnesium (Index)	mg/l	89.6 (2)	73.9 (2)								
Soil Density	g/l	930	909								
Neutralising Value as CaCO3 eq.	% w/w	<2	<2								
Neutralising Value as CaO eq.	% w/w	<1	<1								
Total Copper	mg/kg	12.2	13.4								
Total Zinc	mg/kg	73.6	65.9								
Total Lead	mg/kg	36.2	38.5								
Total Arsenic	mg/kg	17.6	15.2								
Total Cadmium	mg/kg	0.42	0.30								
Total Nickel	mg/kg	14.6	14.9								
Total Chromium	mg/kg	27.5	30.4								
Total Mercury	mg/kg	0.12	0.11								
Total Selenium	mg/kg	0.48	0.46								
Total Molybdenum	mg/kg	<1	<1								
Fluoride 2:1 ratio	mg/kg	10.4	7.6								
Organic Carbon Modified WB	% w/w	4.30	4.83								
Notes											
Analysis Notes	The sample submitted was of adequate size to complete all analysis requested. The results as reported relate only to the item(s) submitted for testing. The results are presented on a dry matter basis unless otherwise stipulated.										
Document Control	This test report shall not be reproduced, except in full, without the written approval of the laboratory.										



ANALYTICAL NOTES			
Report Number	68401-15	K474	SIMON MCMILLAN
Date Received	07-MAY-2015		ADAS ENVIRONMENT GROUP
Date Reported	11-MAY-2015		ALCESTER RD
Project	SAL0015844 SOIL 050515		STRATFORD-UPON-AVON
Reference	LLANGYNIDR CANAL		WARWICKSHIRE
Order Number			CV37 9RQ
Client	SAL0015844 SOIL LLANGYNIDR CANAL		
Notes			
Reported by	<i>Kevin Wynter</i> Natural Resource Management, a trading division of Cawood Scientific Ltd. Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS Tel: 01344 886338 Fax: 01344 890972 email: enquiries@nrm.uk.com		



ANALYTICAL REPORT

Report Number	68402-15	K474	SIMON MCMILLAN	Client SAL0015844 SOIL
Date Received	07-MAY-2015		ADAS ENVIRONMENT GROUP	LLANGYNIDR CANAL
Date Reported	13-MAY-2015		ALCESTER RD	
Project	SAL0015844 SOIL 050515		STRATFORD-UPON-AVON	
Reference	LLANGYNIDR CANAL		WARWICKSHIRE	
Order Number			CV37 9RQ	

Laboratory Reference		SOIL275171	SOIL275172	SOIL275173							
Sample Reference		LLG 01	LLG 02	LLG 03							
Determinand	Unit	SOIL	SOIL	SOIL							
pH water [1:2.5]		6.7	7.6	7.1							
Available Phosphorus (Index)	mg/l	15.0 (1)	17.6 (2)	12.6 (1)							
Available Potassium (Index)	mg/l	35.9 (0)	40.3 (0)	28.2 (0)							
Available Magnesium (Index)	mg/l	67.7 (2)	71.2 (2)	52.5 (2)							
Soil Density	g/l	822	736	984							
Conductivity Sat CaSO4	uS/cm	2023	2030	2001							
Total Nitrogen	% w/w	0.23	0.29	0.14							
Neutralising Value as CaCO3 eq.	% w/w	<2	2.2	<2							
Neutralising Value as CaO eq.	% w/w	<1	1.2	<1							
Total Copper	mg/kg	12.9	14.2	33.8							
Total Zinc	mg/kg	83.4	126	73.2							
Total Lead	mg/kg	23.4	36.2	15.0							
Total Arsenic	mg/kg	3.5	5.2	<3							
Total Cadmium	mg/kg	0.35	0.70	0.18							
Total Nickel	mg/kg	16.6	18.6	12.6							
Total Chromium	mg/kg	18.4	20.1	16.0							
Total Mercury	mg/kg	0.10	0.12	0.06							
Total Selenium	mg/kg	0.32	0.62	0.15							
Total Molybdenum	mg/kg	<1	<1	<1							
Total Phosphorus	mg/kg	349	415	287							
Total Potassium	mg/kg	798	1080	728							
Fluoride 2:1 ratio	mg/kg	10.0	6.1	8.3							
Organic Carbon Modified WB	% w/w	4.06	5.48	3.45							



ANALYTICAL NOTES					
Report Number	68402-15	K474	SIMON MCMILLAN	Client	SAL0015844 SOIL
Date Received	07-MAY-2015		ADAS ENVIRONMENT GROUP		LLANGYNIDR CANAL
Date Reported	13-MAY-2015		ALCESTER RD		
Project	SAL0015844 SOIL 050515		STRATFORD-UPON-AVON		
Reference	LLANGYNIDR CANAL		WARWICKSHIRE		
Order Number			CV37 9RQ		
Notes					
Analysis Notes	The sample submitted was of adequate size to complete all analysis requested. The results as reported relate only to the item(s) submitted for testing. The results are presented on a dry matter basis unless otherwise stipulated.				
Document Control	This test report shall not be reproduced, except in full, without the written approval of the laboratory.				
Reported by	<i>Joe Cherrie</i> Natural Resource Management, a trading division of Cawood Scientific Ltd. Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS Tel: 01344 886338 Fax: 01344 890972 email: enquiries@nrm.uk.com				



ANALYTICAL REPORT										
Report Number	69238-15	K474	SIMON MCMILLAN	Client	SIMON MCMILLAN					
Date Received	15-MAY-2015		ADAS ENVIRONMENT GROUP							
Date Reported	18-MAY-2015		ALCESTER RD							
Project	CAG2046 DRAYTON SDM130515		STRATFORD-UPON-AVON							
Reference	SIMON MCMILLAN		WARWICKSHIRE							
Order Number			CV37 9RQ							
Laboratory Reference		MINN108593	MINN108594	MINN108595						
Sample Reference		LLG-01	LLG-02	LLG-03						
Determinand	Unit	SOIL	SOIL	SOIL						
Dry Matter	% w/w	54.8	36.8	54.1						
Nitrate N (+)	mg/kg	1.06	1.16	0.53						
Ammonium N (+)	mg/kg	17.75	70.59	43.68						
Available N (+) 30cm profile *	kgN/ha	70.5	269.1	165.8						
Notes										
Analysis Notes		The sample submitted was of adequate size to complete all analysis requested. The results as reported relate only to the item(s) submitted for testing. The results are presented on a dry matter basis unless otherwise stipulated, with correction for stone content. + If stones content not stipulated on sample submission form then 0% Stones assumed. Otherwise correction applied. The amount of soil mineral nitrogen as kg/ha has been estimated assuming the standard depth of 30cm for soil nitrogen profiling. If the depth was not 30cm, this must be taken into account when calculating nitrogen recommendations.								
Sample Storage		The sample will be kept as the dry ground sample for at least 1 month.								
Document Control		This test report shall not be reproduced, except in full, without the written approval of the laboratory.								
Reported by		<i>Kevin Wynter</i> Natural Resource Management Ltd. Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS Tel: 01344 886338 Fax: 01344 890972 email: enquiries@nrm.uk.com								



Receiving Site Map

Site Ref: Monmouth & Brecon Canal - Llangynidir, Powys..

Grid Ref (Field Centre) - 314948, 220083

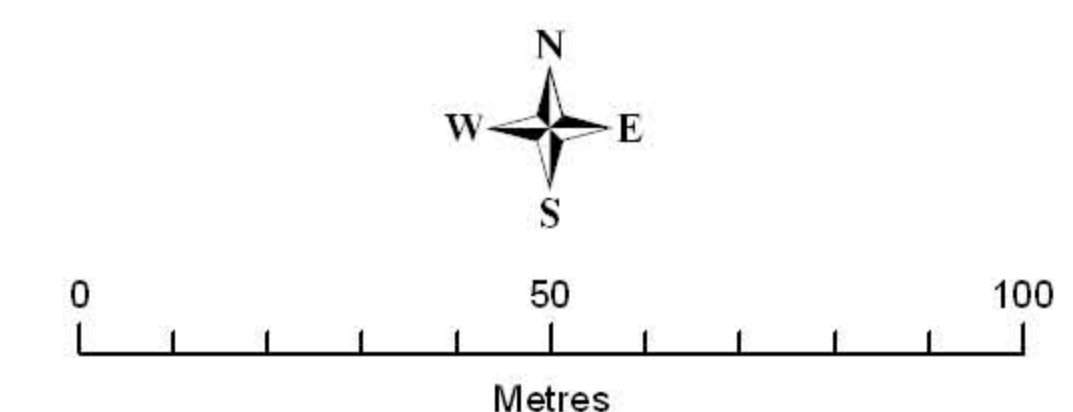
- Proposed receiving site
- No spreading zone
- Spreading area

Client:

Land & Water Services Ltd,
Unit 3, Weston Farm,
Albury, Guildford,
Surrey. GU5 9AF.

CAG2046

Drawn by P. Taylor 27/05/2015, Verified by P. Metcalfe 27/05/2015



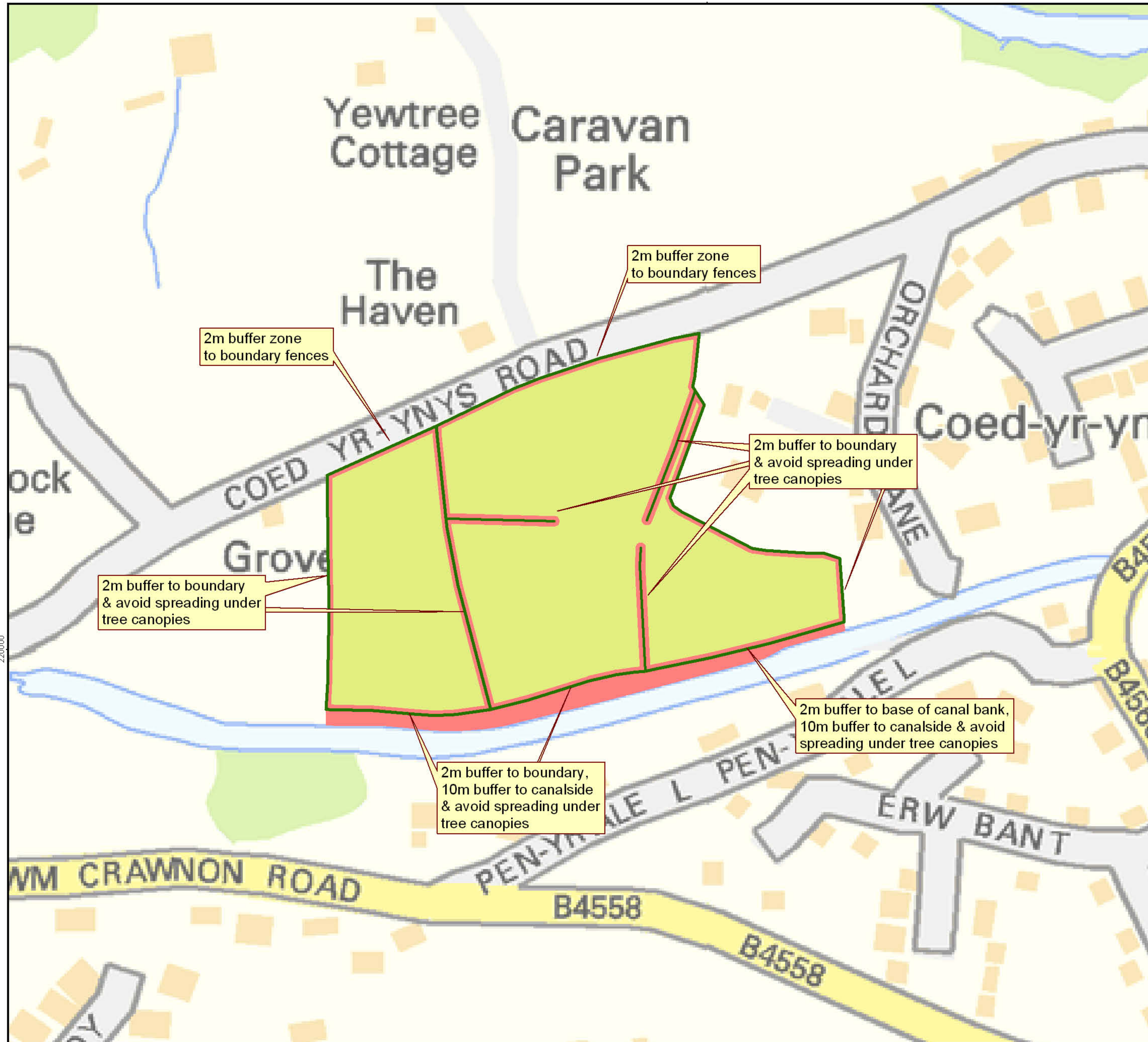
Scale 1:2,500 at A4 size

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Tel +44(0)1902 271300, Fax +44(0)1902 785574



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Receiving Site Map

Site Ref: Monmouth & Brecon Canal - Llangynidir, Powys..

Grid Ref (Field Centre) - 314948, 220083

- Proposed receiving site
- No spreading zone
- Spreading area

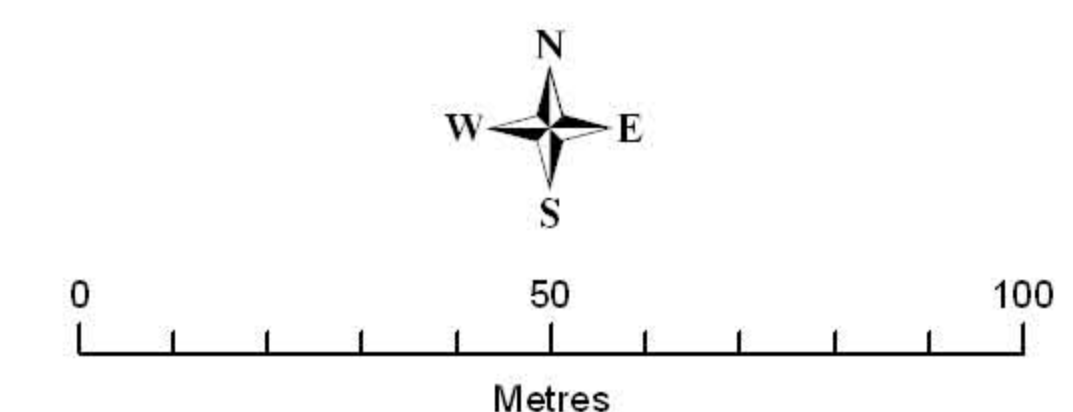
Nominal area available for spreading	1.52ha
Nominal depth of spreading	13cm
Nominal volume	1430m3
Ploughed in depth	15cm

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Field Location Map

Site Ref: Monmouth & Brecon Canal -
Llangynidr, Powys..

Grid Ref (Field Centre) -
314948, 220083

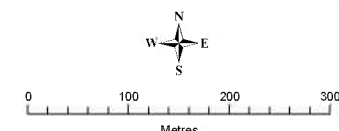
 Proposed receiving site

Client:

Land & Water Services Ltd,
Unit 3, Weston Farm,
Albury, Guildford,
Surrey. GU5 9AF.

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