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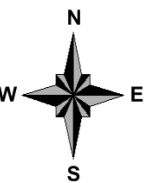
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Report Ref: CMAPS-CM-383864-30974-051214HIS
Grid Ref: 332351, 353188

Map Name: 1:10,000 Raster

Map date: 2002

Scale: 1:10,000

Printed at: 1:10,000



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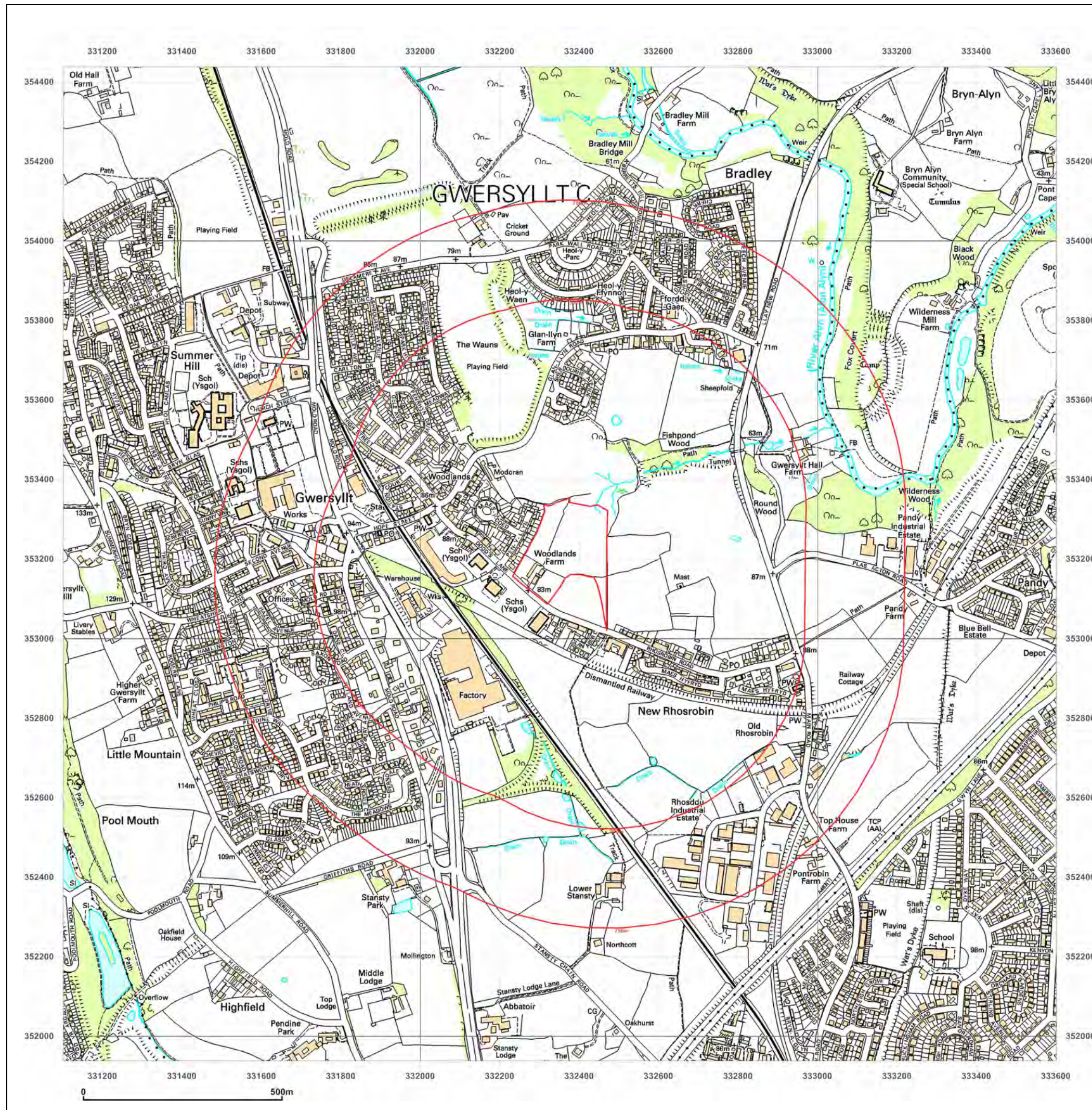


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Historical Mapping Extract

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Site Details:

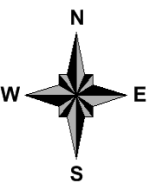
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Report Ref: CMAPS-CM-383864-30974-051214HIS
Grid Ref: 332351, 353188

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



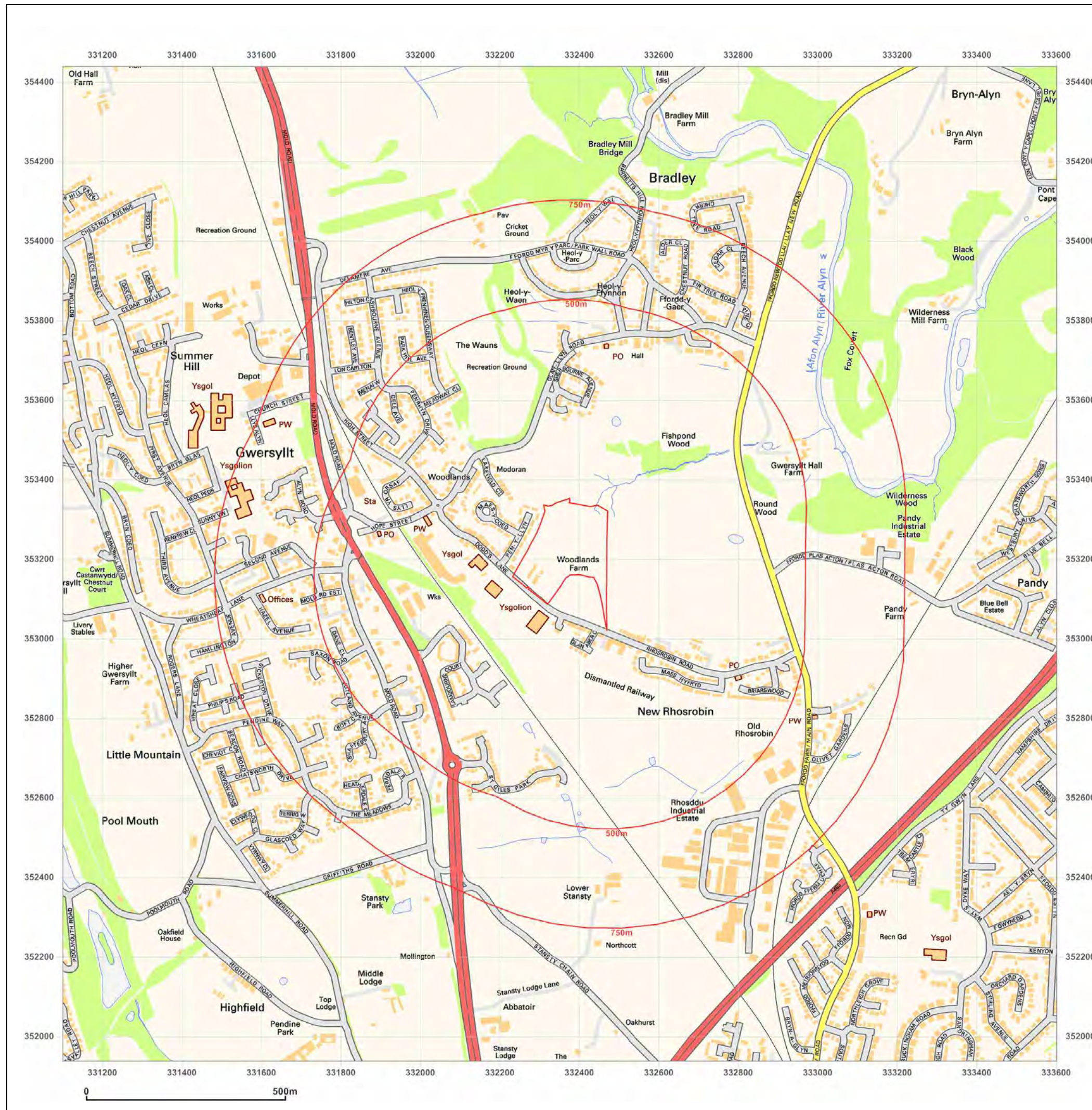
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Site Details:

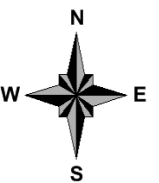
Client Ref: 30974
Report Ref: CMAPS-CM-383864-30974-051214HIS
Grid Ref: 332351, 353188

Map Name: National Grid

Map date: 2014

Scale: 1:10,000

Printed at: 1:10,000



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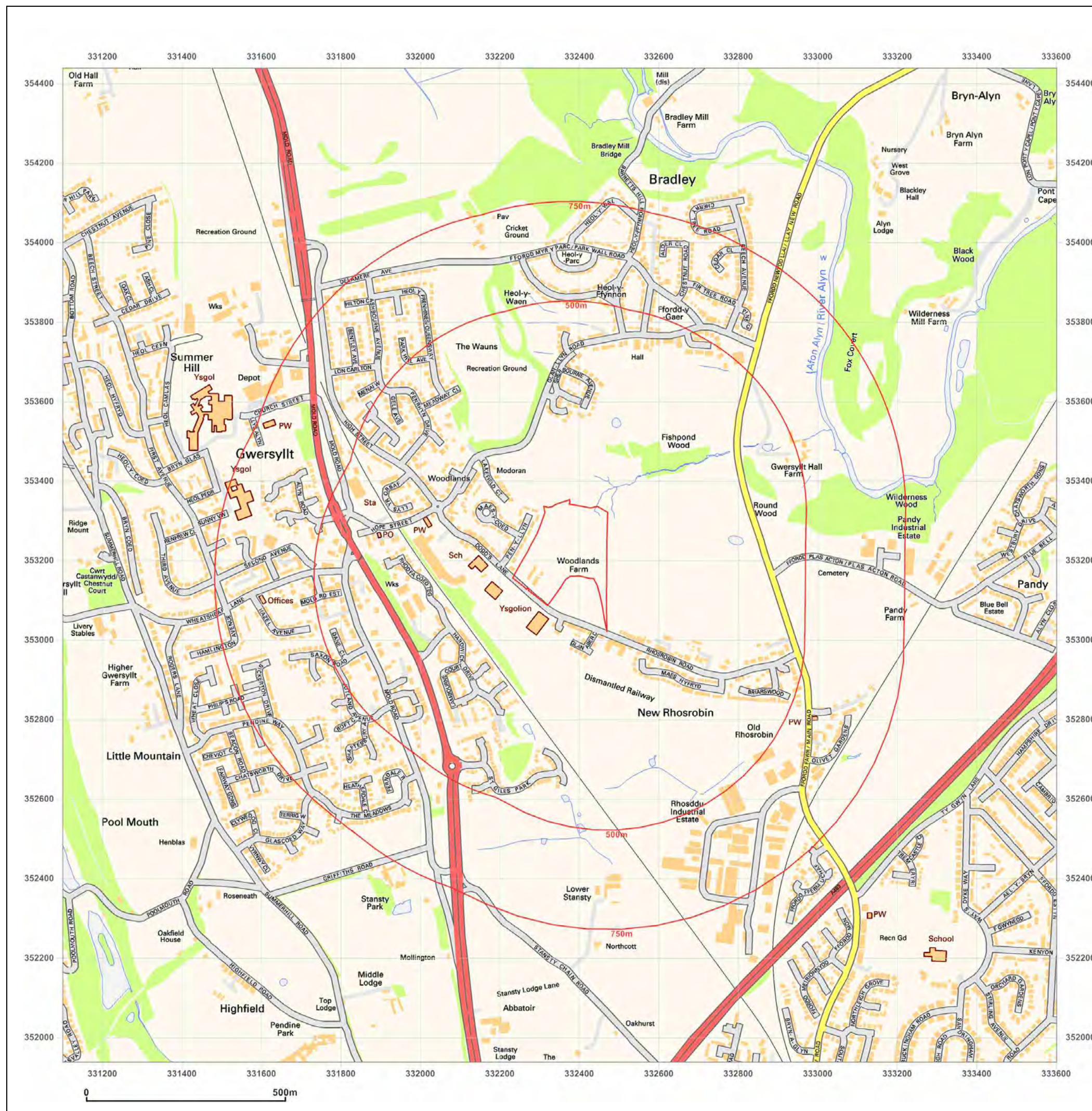


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Production date: 05 December 2014

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APPENDIX L



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197642	C197643	C197644	C197645	C197646
Client sample ref:	TP01 0.1m	TP03 0.1m	TP05 0.1m	TP06 0.1m	TP07 0.1m
Date sampled:	15/12/14	15/12/14	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD
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Deviation Assessment

Deviation(s)	C. Review	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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Organochlorine Pesticides _M										
a - HCH	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
b - HCH	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
g - HCH	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
d - HCH	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Heptachlor	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Aldrin	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Heptachlor Epoxide	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Endosulfan I & II	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
p,p - DDE	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Dieldrin	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Endrin	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
p,p - DDD	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Endrin Aldehyde	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Endosulfan Sulphate	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
DDT	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-
Methoxychlor	GCMS	mg/kg	N	N	0.1	<0.1	-	-	-	-

pH	AN5a	Units	Y	Y	0.1	7.24	6.63	6.32	5.58	8.41
Sulphate (water soluble)	CTP 29	g/l	N	N	0.01	0.04	0.02	0.01	<0.01	0.02
Sulphide _{SM}	AN45b	mg/kg	N	N	2	<2	<2	<2	<2	<2
Cyanide (total) _M	AN45f	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Phenols (screen) _M	AN45d	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Organic Matter	AN48b	%	N	Y	0.1	4.47	3.17	2.99	3.88	3.68
Arsenic	AN8b	mg/kg	Y	Y	2	8	12	9	9	12
Cadmium	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Chromium (total)	AN8b	mg/kg	Y	Y	2	19	19	20	20	66
Copper	AN8b	mg/kg	Y	Y	2	20	24	16	18	24
Lead	AN8b	mg/kg	Y	Y	2	52	63	47	49	67
Mercury	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Nickel	AN8b	mg/kg	Y	Y	2	17	17	16	16	19
Selenium	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Zinc	AN8b	mg/kg	Y	Y	2	69	100	69	72	126
EMR	EMR	%	N	N/A	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
% Stones	Stones	% w/w	N	N/A	0.1	11.1	9.2	10.0	10.3	6.7
Moisture Content @ <30°C	AN1	% w/w	Y	N/A	0.1	27.5	20.2	23.1	24.6	19.2
Moisture Content @ 105°	AN1	%	Y	N/A	0.1	34.5	19.999	22.0	25.7	17.7
Sample Description	MCERTS ver4.		N	N/A		6A	6A	2DA	2DA	2A



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197642	C197643	C197644	C197645	C197646
Client sample ref:	TP01 0.1m	TP03 0.1m	TP05 0.1m	TP06 0.1m	TP07 0.1m
Date sampled:	15/12/14	15/12/14	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD					
PAH (USEPA16)										
Acenaphthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene _M	GCM501a	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(a)anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.3	0.1	0.3	<0.1
Benzo(a)pyrene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.4	0.3	0.3	<0.1
Benzo(b)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.4	0.3	0.3	<0.1
Benzo(ghi)perylene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.3	0.1	0.1	<0.1
Benzo(k)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.1	<0.1	0.1	<0.1
Chrysene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.3	0.3	0.3	0.1
Dibenz(a,h)anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.4	0.4	0.4	0.2
Fluorene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene _M	GCM501a	mg/kg	Y	Y	0.1	<0.1	0.3	<0.1	0.1	<0.1
Naphthalene (PAH) _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	0.4
Phenanthrene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.1	0.1	0.1	0.2
Pyrene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	0.4	0.3	0.4	0.1
PAH (USEPA16) Total _M	GCM501	mg/kg	Y	Y	0.1	<0.1	2.6	1.8	2.5	1.1



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14

Date Reported: 30 December, 2014

Date Received: 17 December, 2014

Sample Type: Solid

Certificate No: 14/5166/RG/S/C1

File No: 14/5166/RG/S

Client Ref: 14155

Lab sample ref: C197646

Client sample ref: TP07 0.1m

Date sampled: 15/12/14

Sample matrix (see notes page): S

Determinand	Method	Units	ISO17025	MCERTS	LOD	
TPH Banded(Alil/Aro) 1						
EC>5-6 Aliphatic _M	SOP05	µg/kg	Y	N	10	<10
EC>6-8 Aliphatic _M	SOP05	µg/kg	Y	N	10	<10
EC>8-10 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>10-12 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>12-16 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>16-35 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	7426
EC>35-44 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000
Total Aliphatics (1) _M	SOP05a	µg/kg	Y	N	1000	7426
EC>5-7 Aromatic _M	SOP05	µg/kg	Y	N	10	<10
EC>7-8 Aromatic _M	SOP05	µg/kg	Y	N	10	<10
EC>8-10 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>10-12 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>12-16 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>16-21 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000
EC>21-35 Aromatic _M	SOP05a	µg/kg	Y	N	1000	1856
EC>35-44 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000
Total Aromatics (1) _M	SOP05a	µg/kg	Y	N	1000	1856
Methyl t-butyl ether _M	SOP05	µg/kg	Y	N	10	<10
Benzene (VPH) _M	SOP05	µg/kg	Y	N	10	<10
Toluene (VPH) _M	SOP05	µg/kg	Y	N	10	<10
Ethylbenzene (VPH) _M	SOP05	µg/kg	Y	N	10	<10
m&p-Xylene (VPH) _M	SOP05	µg/kg	Y	N	10	<10
o-Xylene (VPH) _M	SOP05	µg/kg	Y	N	10	<10
Total VPH _M	SOP05	µg/kg	Y	N	10	<10
TPH _M	SOP05a	µg/kg	Y	N	1000	9282



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197647	C197648	C197649	C197650	C197651
Client sample ref:	TP08 0.1m	TP08 1.2m	TP09 0.5m	TP10 0.05m	TP13 0.2m
Date sampled:	15/12/14	15/12/14	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD
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Deviation Assessment

Deviation(s)	C. Review	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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Organochlorine Pesticides _M										
a - HCH	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
b - HCH	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
g - HCH	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
d - HCH	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Heptachlor	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Aldrin	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Heptachlor Epoxide	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Endosulfan I & II	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
p,p - DDE	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Dieldrin	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Endrin	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
p,p - DDD	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Endrin Aldehyde	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Endosulfan Sulphate	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
DDT	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1
Methoxychlor	GCMS	mg/kg	N	N	0.1	-	-	-	-	<0.1

pH	AN5a	Units	Y	Y	0.1	7.84	7.36	5.79	5.74	5.92
Sulphate (water soluble)	CTP 29	g/l	N	N	0.01	0.01	0.08	0.03	0.01	0.01
Sulphide _{SM}	AN45b	mg/kg	N	N	2	<2	<2	<2	<2	<2
Cyanide (total) _M	AN45f	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Phenols (screen) _M	AN45d	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Organic Matter	AN48b	%	N	Y	0.1	5.68	12.2	9.39	5.03	6.07
Arsenic	AN8b	mg/kg	Y	Y	2	10	40	6	9	10
Cadmium	AN8a	mg/kg	Y	Y	1	1	2	<1	<1	<1
Chromium (total)	AN8b	mg/kg	Y	Y	2	19	24	9	18	16
Copper	AN8b	mg/kg	Y	Y	2	30	173	42	17	26
Lead	AN8b	mg/kg	Y	Y	2	110	85	30	49	70
Mercury	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1	<1
Nickel	AN8b	mg/kg	Y	Y	2	19	51	18	15	14
Selenium	AN8a	mg/kg	Y	Y	1	<1	2	<1	<1	<1
Zinc	AN8b	mg/kg	Y	Y	2	183	423	64	85	71
EMR	EMR	%	N	N/A	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
% Stones	Stones	% w/w	N	N/A	0.1	10.9	12.0	30.2	10.7	8.0
Moisture Content @ <30°C	AN1	% w/w	Y	N/A	0.1	17.4	42.5	12.8	27.1	26.8
Moisture Content @ 105°	AN1	%	Y	N/A	0.1	17.4	47.7	17.1	29.2	28.6
Sample Description	MCERTS ver4.		N	N/A		2A	7AE	6AD	6A	6A



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197647	C197648	C197649	C197650	C197651
Client sample ref:	TP08 0.1m	TP08 1.2m	TP09 0.5m	TP10 0.05m	TP13 0.2m
Date sampled:	15/12/14	15/12/14	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD					
PAH (USEPA16)										
Acenaphthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene _M	GCM501a	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene _M	GCM501	mg/kg	Y	Y	0.1	0.2	<0.1	0.2	<0.1	<0.1
Benzo(a)anthracene _M	GCM501	mg/kg	Y	Y	0.1	1.0	<0.1	0.1	0.3	0.1
Benzo(a)pyrene _M	GCM501	mg/kg	Y	Y	0.1	0.8	<0.1	<0.1	0.3	0.1
Benzo(b)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	1.0	<0.1	<0.1	0.4	0.1
Benzo(ghi)perylene _M	GCM501	mg/kg	Y	Y	0.1	0.5	<0.1	<0.1	0.3	<0.1
Benzo(k)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	0.5	<0.1	<0.1	0.1	<0.1
Chrysene _M	GCM501	mg/kg	Y	Y	0.1	1.1	<0.1	0.1	0.3	0.3
Dibenz(a,h)anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	1.7	<0.1	0.2	0.4	0.3
Fluorene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene _M	GCM501a	mg/kg	Y	Y	0.1	0.5	<0.1	<0.1	0.1	<0.1
Naphthalene (PAH) _M	GCM501	mg/kg	Y	Y	0.1	0.2	1.7	0.8	<0.1	<0.1
Phenanthrene _M	GCM501	mg/kg	Y	Y	0.1	1.0	0.2	1.1	0.1	<0.1
Pyrene _M	GCM501	mg/kg	Y	Y	0.1	1.7	<0.1	0.2	0.4	0.3
PAH (USEPA16) Total _M	GCM501	mg/kg	Y	Y	0.1	10.3	2.1	3.0	2.9	1.4



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197647	C197648	C197649
Client sample ref:	TP08 0.1m	TP08 1.2m	TP09 0.5m
Date sampled:	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD			
TPH Banded(Alil/Aro) 1								
EC>5-6 Aliphatic _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
EC>6-8 Aliphatic _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
EC>8-10 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000	1491
EC>10-12 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	3478	1261
EC>12-16 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	15304	2064
EC>16-35 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	3995	2087	2408
EC>35-44 Aliphatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000	<1000
Total Aliphatics (1) _M	SOP05a	µg/kg	Y	N	1000	3995	20870	5734
EC>5-7 Aromatic _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
EC>7-8 Aromatic _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
EC>8-10 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000	<1000
EC>10-12 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000	<1000
EC>12-16 Aromatic _M	SOP05a	µg/kg	Y	N	1000	<1000	<1000	2523
EC>16-21 Aromatic _M	SOP05a	µg/kg	Y	N	1000	4600	<1000	2638
EC>21-35 Aromatic _M	SOP05a	µg/kg	Y	N	1000	16586	3826	1950
EC>35-44 Aromatic _M	SOP05a	µg/kg	Y	N	1000	1695	<1000	<1000
Total Aromatics (1) _M	SOP05a	µg/kg	Y	N	1000	22881	3826	7110
Methyl t-butyl ether _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
Benzene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
Toluene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
Ethylbenzene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
m&p-Xylene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
o-Xylene (VPH) _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
Total VPH _M	SOP05	µg/kg	Y	N	10	<10	<10	<10
TPH _M	SOP05a	µg/kg	Y	N	1000	26877	24696	12844



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197652	C197653	C197654	C197655
Client sample ref:	TP14 0.2m	TP15 0.2m	TP16 0.1m	TP18 0.05m
Date sampled:	15/12/14	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD
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Deviation Assessment

Deviation(s)	C. Review	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
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Organochlorine Pesticides _M									
a - HCH	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
b - HCH	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
g - HCH	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
d - HCH	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Heptachlor	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Aldrin	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Heptachlor Epoxide	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Endosulfan I & II	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
p,p - DDE	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Dieldrin	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Endrin	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
p,p - DDD	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Endrin Aldehyde	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Endosulfan Sulphate	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
DDT	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-
Methoxychlor	GCMS	mg/kg	N	N	0.1	-	-	<0.1	-

pH	AN5a	Units	Y	Y	0.1	5.89	6.55	6.09	6.29
Sulphate (water soluble)	CTP 29	g/l	N	N	0.01	0.02	0.01	0.01	0.01
Sulphide _{SM}	AN45b	mg/kg	N	N	2	<2	<2	<2	<2
Cyanide (total) _M	AN45f	mg/kg	Y	Y	1	<1	<1	<1	<1
Phenols (screen) _M	AN45d	mg/kg	Y	Y	1	<1	<1	<1	<1
Organic Matter	AN48b	%	N	Y	0.1	5.99	2.21	2.73	3.46
Arsenic	AN8b	mg/kg	Y	Y	2	9	9	10	9
Cadmium	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1
Chromium (total)	AN8b	mg/kg	Y	Y	2	20	19	20	17
Copper	AN8b	mg/kg	Y	Y	2	21	17	20	24
Lead	AN8b	mg/kg	Y	Y	2	55	46	49	58
Mercury	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1
Nickel	AN8b	mg/kg	Y	Y	2	17	17	18	16
Selenium	AN8a	mg/kg	Y	Y	1	<1	<1	<1	<1
Zinc	AN8b	mg/kg	Y	Y	2	76	55	75	90
EMR	EMR	%	N	N/A	0.1	<0.1	<0.1	<0.1	<0.1
% Stones	Stones	% w/w	N	N/A	0.1	10.3	19.9	10.5	14.1
Moisture Content @ <30°C	AN1	% w/w	Y	N/A	0.1	29.5	18.6	19.9	16.9
Moisture Content @ 105°	AN1	%	Y	N/A	0.1	28.5	21.6	22.0	16.9
Sample Description	MCERTS ver4.		N	N/A		6DA	6A	6DA	6A



Test Certificate

Client: Robert E Fry & Associates Ltd
45 Bridgeman Terrace, Wigan, Lancashire, WN1 1TT
Site: Woodlands Farm, Dodds Lane, Gwersyllt, Wrexham

Date Tested: 17/12/14
Date Reported: 30 December, 2014
Date Received: 17 December, 2014
Sample Type: Solid

Certificate No: 14/5166/RG/S/C1
File No: 14/5166/RG/S
Client Ref: 14155

Lab sample ref:	C197652	C197653	C197654	C197655
Client sample ref:	TP14 0.2m	TP15 0.2m	TP16 0.1m	TP18 0.05m
Date sampled:	15/12/14	15/12/14	15/12/14	15/12/14
Sample matrix (see notes page):	S	S	S	S

Determinand	Method	Units	ISO17025	MCERTS	LOD				
PAH (USEPA16)									
Acenaphthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene _M	GCM501a	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Benz(a)anthracene _M	GCM501	mg/kg	Y	Y	0.1	0.1	<0.1	<0.1	0.1
Benzo(a)pyrene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	0.1
Benzo(b)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	0.1	<0.1	0.1	0.1
Benzo(ghi)perylene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Benzo(k)fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Chrysene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	0.1	0.1
Dibenz(a,h)anthracene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene _M	GCM501	mg/kg	Y	Y	0.1	0.3	<0.1	0.2	0.2
Fluorene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Indeno(1,2,3-cd)pyrene _M	GCM501a	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene (PAH) _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene _M	GCM501	mg/kg	Y	Y	0.1	<0.1	<0.1	<0.1	0.1
Pyrene _M	GCM501	mg/kg	Y	Y	0.1	0.3	<0.1	0.2	0.2
PAH (USEPA16) Total _M	GCM501	mg/kg	Y	Y	0.1	0.7	<0.1	0.6	1.3

Notes

- All analyses performed on the sample dried at <30°C, except analyses suffixed with 'M'.
- Analyses suffixed 'M' were performed on the sample as received and corrected for '% moisture at <30°C' where applicable.
- All results are expressed as dry weight.
- MCERTS accreditation applicable to Sample Matrix 'S' only.
- Natural stones (pebbles, gravels etc.) which do not pass a 2mm sieve are excluded from dried analyses.
- Tests marked * indicate subcontracted analyses.
- The laboratory has tested the material/items supplied by the client as sampled in accordance with the client's own requirements.
- Sample Description key: 1. - Sand, 2. Loam, 3. Clay, 4. Sand/loam mix, 5. Sand/clay mix, 6. Clay/loam mix, 7. Other.
suffixed with: A - Stones, B - Construction rubble, C - Visible Hydrocarbons, D - Vegetation, E - Glass/metal, F - Strong odour, G - Other.
- Leachate preparation is not included in our UKAS accreditation.
- Dates of testing for all parameters are available upon request.

Signed for, and on behalf of Exova (UK) Ltd.

Prepared by:

J Barr

J Barr
Administrator

Approved by:

Julie McElery

J McElery
Laboratory Manager



0568

APPENDIX M



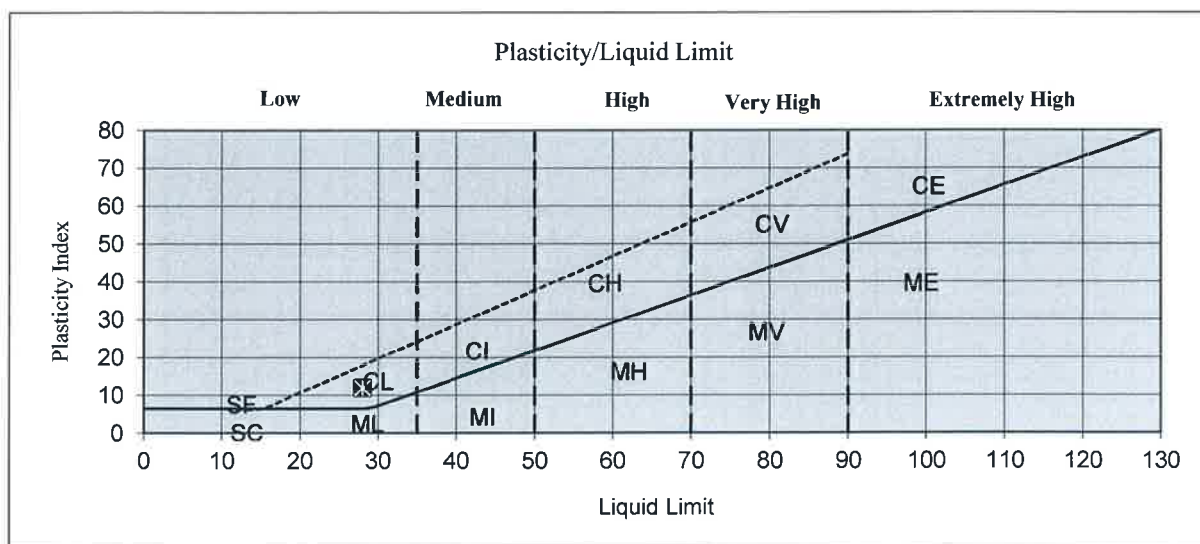
TESTCONSULT LIMITED
Ruby House, 40A Hardwick Grange, Warrington WA1 4RF
Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	-
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/01
	45 Bridgeman Terrace	Sample Ref.:	TP 02 @ 2.0m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	07/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Brown & grey-mottled silty CLAY
Retained 425 micron (%)	1.8
Natural Moisture Content (%)	21
Liquid Limit (single point)(%)	28
Plastic Limit (%)	16
Plasticity Index	12



Approved Signature
TESTCONSULT LIMITED
■ Liam Williams, Operations Manager



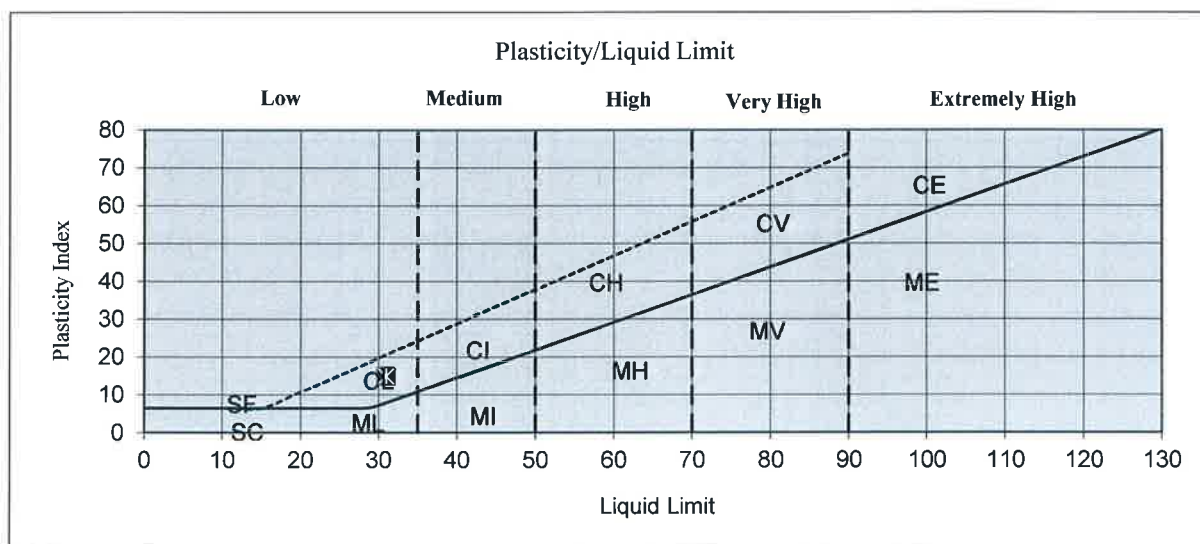
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Ruby House, 40A Hardwick Grange, Warrington WA1 4RF
Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/02
	45 Bridgeman Terrace	Sample Ref.:	TP 04 @ 1.5m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	07/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Brown silty CLAY
Retained 425 micron (%)	2.2
Natural Moisture Content (%)	26
Liquid Limit (single point)(%)	31
Plastic Limit (%)	16
Plasticity Index	15



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■ Liam Williams, Operations Manager



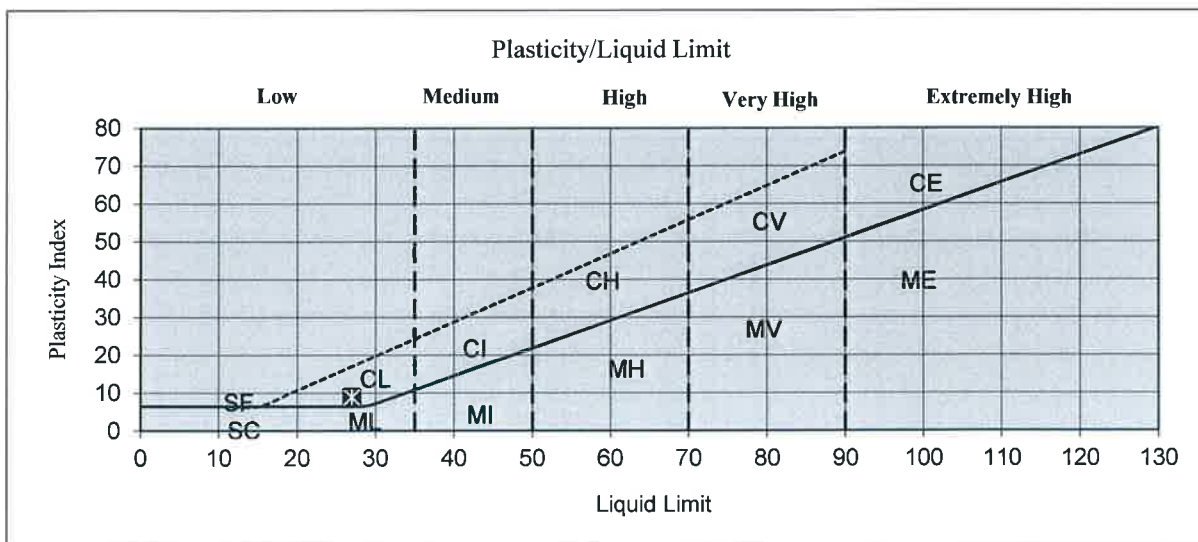
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Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	-
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/03
	45 Bridgeman Terrace	Sample Ref.:	TP 05 @ 1.0m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	07/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Light brown silty CLAY
Retained 425 micron (%)	1.1
Natural Moisture Content (%)	24
Liquid Limit (single point)(%)	27
Plastic Limit (%)	18
Plasticity Index	9



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■ Liam Williams, Operations Manager



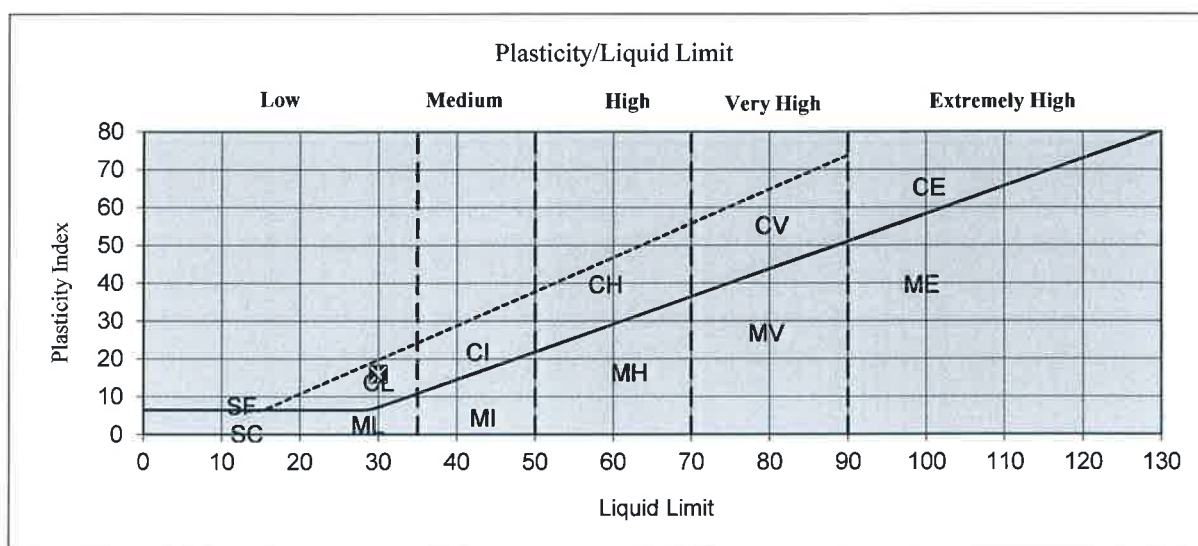
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LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	-
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/04
	45 Bridgeman Terrace	Sample Ref.:	TP 07 @ 1.7m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	08/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Light brown sl. sandy silty gravelly CLAY
Retained 425 micron (%)	17
Natural Moisture Content (%)	18
Liquid Limit (single point)(%)	30
Plastic Limit (%)	14
Plasticity Index	16



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■ Liam Williams, Operations Manager



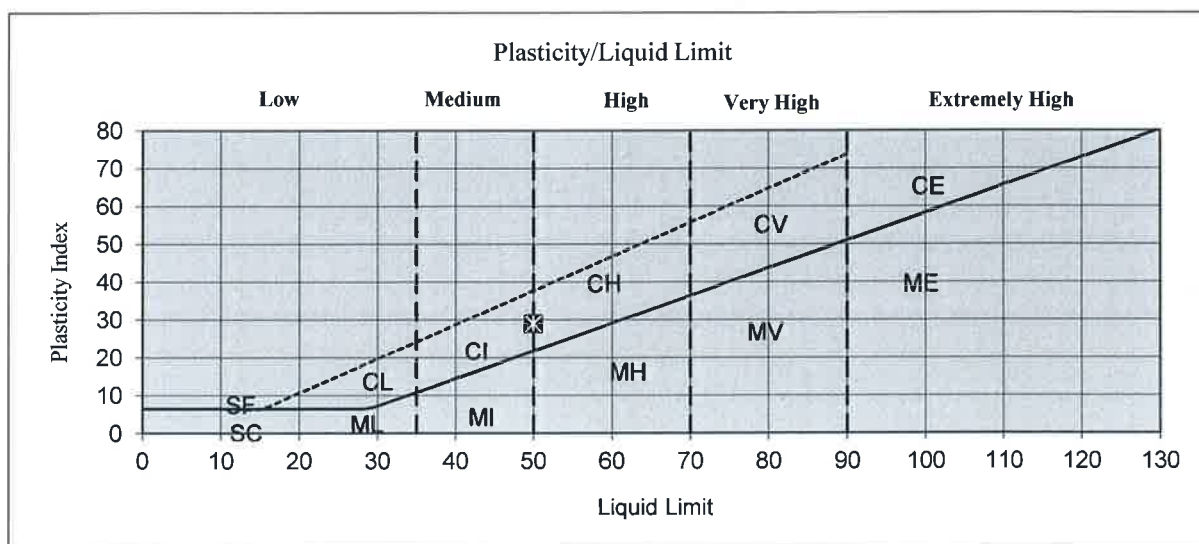
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Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	-
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/05
	45 Bridgeman Terrace	Sample Ref.:	TP 12 @ 1.5m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	08/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Brown CLAY
Retained 425 micron (%)	0
Natural Moisture Content (%)	26
Liquid Limit (single point)(%)	50
Plastic Limit (%)	21
Plasticity Index	29



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■ Liam Williams, Operations Manager



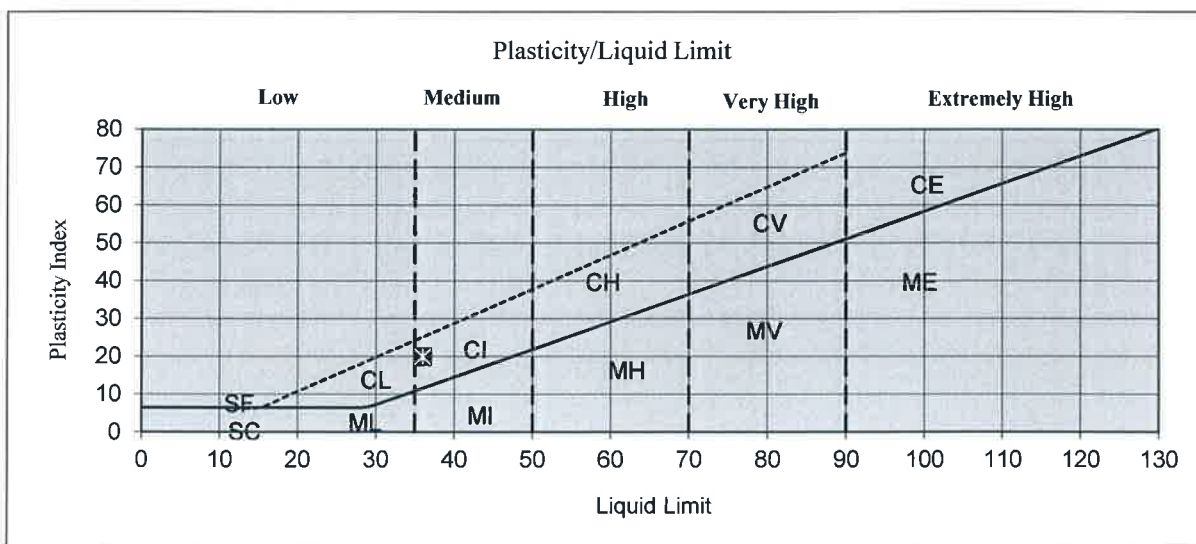
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Ruby House, 40A Hardwick Grange, Warrington WA1 4RF
Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/06
	45 Bridgeman Terrace	Sample Ref.:	TP 13 @ 1.0m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	08/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Light brown grey-mottled sl. gravelly CLAY
Retained 425 micron (%)	2.8
Natural Moisture Content (%)	22
Liquid Limit (single point)(%)	36
Plastic Limit (%)	16
Plasticity Index	20



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■ Liam Williams, Operations Manager



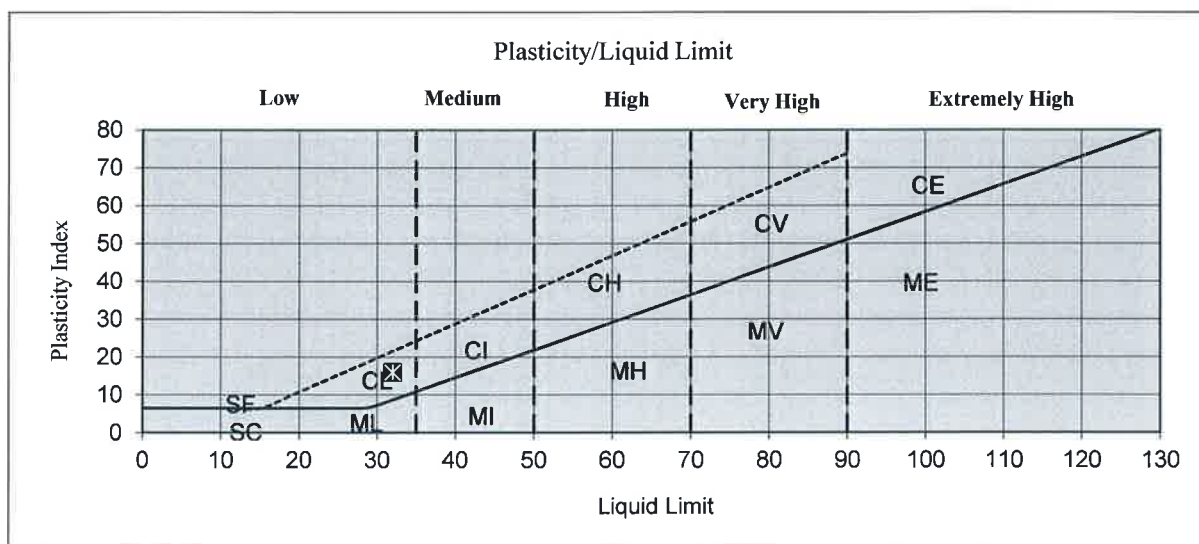
TESTCONSULT LIMITED
Ruby House, 40A Hardwick Grange, Warrington WA1 4RF
Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	-
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/07
	45 Bridgeman Terrace	Sample Ref.:	TP 14 @ 2.0m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	08/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Light brown sl. Sandy silty CLAY
Retained 425 micron (%)	1.1
Natural Moisture Content (%)	19
Liquid Limit (single point)(%)	32
Plastic Limit (%)	16
Plasticity Index	16



Approved Signature
TESTCONSULT LIMITED
■ Liam Williams, Operations Manager



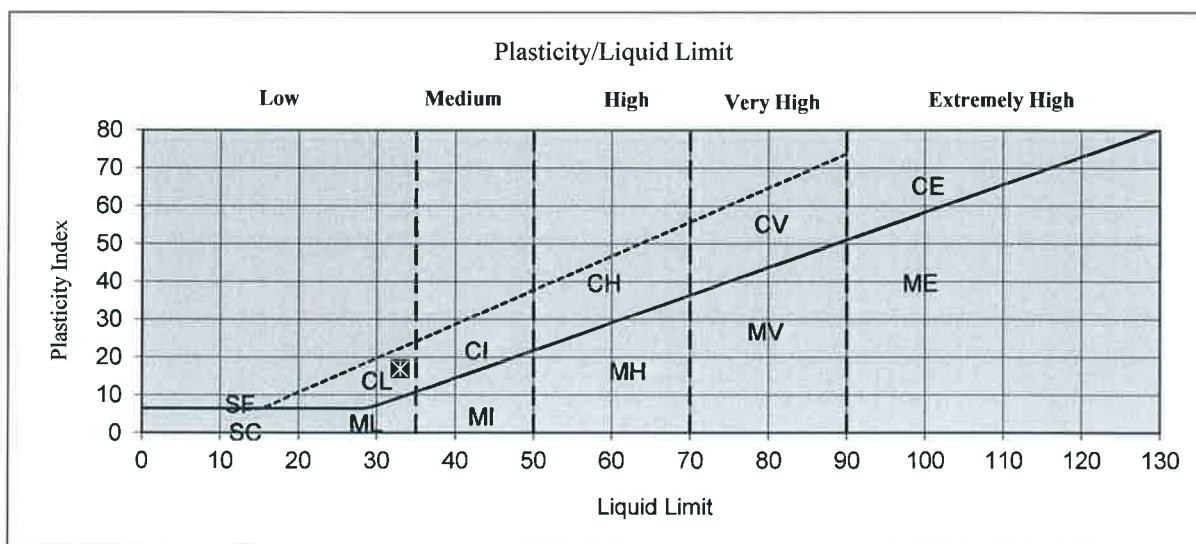
TESTCONSULT LIMITED
Ruby House, 40A Hardwick Grange, Warrington WA1 4RF
Tel (01925) 286880 Fax (01925) 286881



LABORATORY TEST REPORT
LIQUID & PLASTIC LIMIT TESTS BS 1377: Part 2: 1990 Cl 4.4,5.3

Site Ref.:	14155-Woodlands Farm, Wrexham	Job No.:	-
Client:	Robert E Fry & Associates Ltd	Lab Ref No.:	SA18235/08
	45 Bridgeman Terrace	Sample Ref.:	TP 15 @ 1.0m
	Wigan	Date Received:	16/12/2014
	WN1 1TT	Date Tested:	08/01/2015
Originator:	Mark Davies	Date Reported:	09/01/2015

Sampling Certificate	Yes
Sampled By	Client
Sample Type	Disturbed
Sample Preparation Method	As Received
MATERIAL	Brown grey-fissured sl. Gravelly CLAY
Retained 425 micron (%)	2.2
Natural Moisture Content (%)	19
Liquid Limit (single point)(%)	33
Plastic Limit (%)	16
Plasticity Index	17



Approved Signature
TESTCONSULT LIMITED
■ Liam Williams, Operations Manager

Site / Contract		Sample Reference		Chainage + Depth		Material Description		NMC (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index
14155 - Woodlands Farm		SA18235/01		TP02 @ 2.0m		Brown & Grey- mottled Silty Clay		21	28	16	12
14155 - Woodlands Farm		SA18235/02		TP04 @ 1.5m		Brown Silty Clay		26	31	16	15
14155 - Woodlands Farm		SA18235/03		TP05 @ 1.0m		Light Brown Silty Clay		24	27	18	9
14155 - Woodlands Farm		SA18235/04		TP07 @ 1.7m		Light Brown Slightly Sandy, Silty, Gravelly Clay		18	30	14	16
14155 - Woodlands Farm		SA18235/05		TP12 @ 1.5m		Brown Clay		26	50	21	29
14155 - Woodlands Farm		SA18235/06		TP13 @ 1.0m		Light Brown/Grey mottled, Slightly Gravelly Clay		22	36	16	20
14155 - Woodlands Farm		SA18235/07		TP14 @ 2.0m		Light Brown Slightly Sandy, Silty Clay		19	32	16	16
14155 - Woodlands Farm		SA18235/08		TP15 @ 1.0m		Brown Grey-fissured, Slightly Gravelly Clay		19	33	16	17

APPENDIX N

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

**LANDMARK INFORMATION GROUP
LIMITED
SOWTON INDUSTRIAL ESTATE
ABBAY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000689811001**
Your reference: **62733328_1**
Date of your enquiry: **05 December 2014**
Date we received your enquiry: **05 December 2014**
Date of issue: **05 December 2014**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

WOODLANDS FARM, DODDS LANE, GWERSYLLT, CLWYD, WREXHAM,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

The property is in the likely zone of influence from workings in 6 seams of coal at 210m to 360m depth, and last worked in 1949.

Any ground movement from these coal workings should have stopped by now.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is in an area for which a notice of entitlement to withdraw support was published in 1946.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

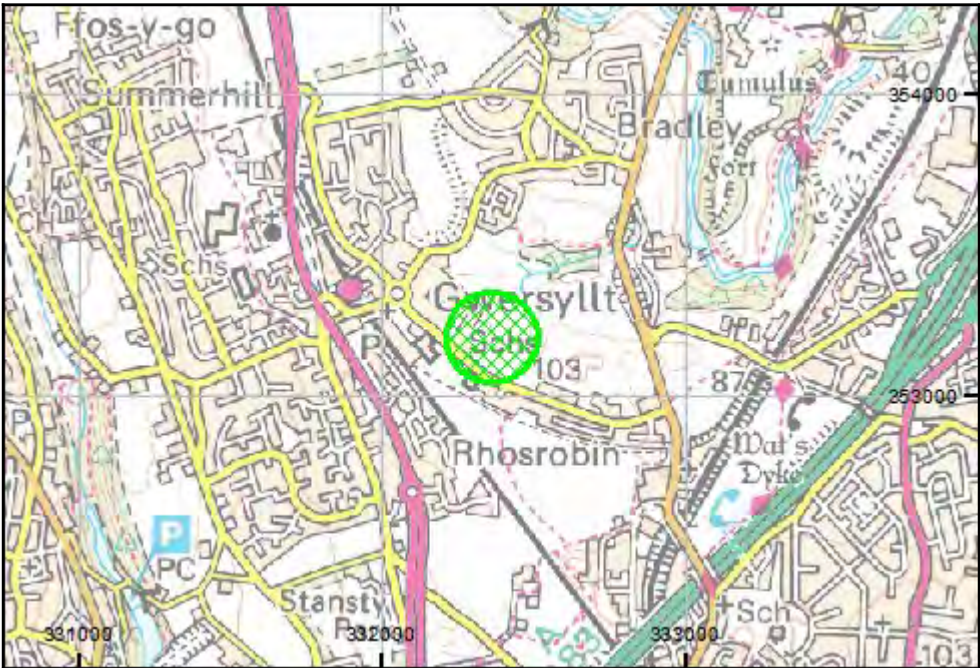
Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Location map



Approximate position of property

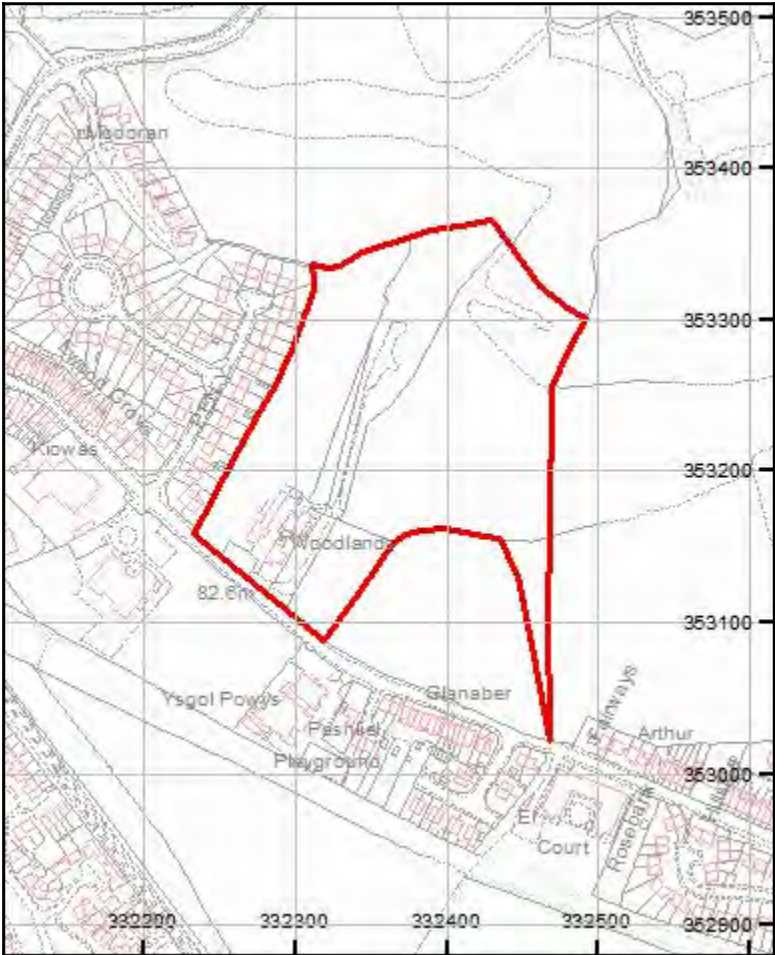


Enquiry boundary

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Key

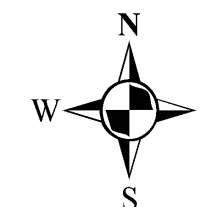
Approximate position of enquiry boundary shown



APPENDIX O



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LEGEND(Representative of most common features)

Waste network:

	Foul chamber		Outfall
	Surface water chamber		Lamphole
	Combined chamber		Storm Overflow
	Combined sewer overflow		Rising main
	Special purpose chamber		Gravity sewer
	Treatment works		Private sewer
	Pumping station		Private sewer subject to Sect. 104 adoption agreement

NB: Sewer symbol colour indicates the type.

RED	- Combined		Private Sewer Transfer
GREEN	- Surface Water		Lateral Drain
BROWN	- Foul		Inspection Chamber

Notes:

[illegible][illegible]

pÉiaÉ-eaÉe→eÉaÇíÖEaÉ-aÉüÇí aÄí (ÜEaÉeÉEaÉeüÇí aÄÉ→aíAa~íEÖK

**EXACT LOCATIONS OF ALL APPARATUS
TO BE DETERMINED ON SITE.**

oÉeéQ AEC-A-eEáææqãN eQ-âAE-pi êtE-çãÆU-añ
ej pi K= è q Æçóóôû-âCC-i-A-E-êûOMK
^ææOÙ-eêÊÊEK
I eQ-âAE-pi êtE-âEae-ai à ÁENMMNNRPQK

j ~é=ÉW	PPOPPI=PPOPU
j ~é=Ä=EW	NOIRM
mêáíÉÇ=ÁW	j h
mêáíÉÇ=áW	MKMKR

APPENDIX P

Ground Gas Monitoring Record

Borehole	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (% v/v)		Methane (%LEL*)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Nitrogen (%v/v)		Depth to water (m bgl)	Atmospheric Pressure (mB)	Comments
			Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
WS 1	0.0	0	0.0				0.0		19.1		80.8		Dry	1004	
WS 2	0.0	0	0.0				0.0		19.4		80.5		Dry	1004	
WS 3	0.0	0	0.0				0.0		19.8		80.1		Dry	1004	
WS 4	0.0	0	0.0				0.0		19.9		80.1		1.75	1004	

Notes:

Monitoring should be for not less than 3 Minutes. However, if high concentrations of gases initially recorded, monitoring should be for up to 10 mins.

* LEL = Explosive Limit = 5%v/v

ND - Not Detected

Relevant Information at times of monitoring

Monitored by: Weather : Equipment used: Visible signs of vegetation stress: Boreholes sampled for laboratory analysis: Other comments / observations:	S. Edwards Overcast LMS Type G3 xi Gas Meter	Contract:
		Woodlands Farm Gwersyllt
		Date:
		22/12/14
		Job No.
		Sheet No.
		1

Geo-Ventures (UK) Limited

70 Riverside Close, Waterside, Howley, Warrington, Cheshire WA1 2JD

Tel. 01925 240476 email: paul.platt@geoventures.co.uk

Ground Gas Monitoring Record

Borehole	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (% v/v)		Methane (%LEL*)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Nitrogen (%v/v)		Depth to water (m bgl)	Atmospheric Pressure (mB)	Comments
			Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
WS 1	0.0	0	0.0				0.0		20.0		79.9		Dry	1009	
WS 2	0.0	0	0.0				0.0		20.0		79.9		Dry	1009	
WS 3	0.0	0	0.0				0.0		19.9		80.0		Dry	1009	
WS 4	0.0	0	0.0				0.0		19.8		80.1		1.75	1009	

Notes:

Monitoring should be for not less than 3 Minutes. However, if high concentrations of gases initially recorded, monitoring should be for up to 10 mins.

* LEL = Explosive Limit = 5%v/v

ND - Not Detected

Relevant Information at times of monitoring

Monitored by: Weather : Equipment used: Visible signs of vegetation stress: Boreholes sampled for laboratory analysis: Other comments / observations:	S. Edwards Showers, windy LMS Type G3 xi Gas Meter	Contract:
		Woodlands Farm Gwersyllt
		Date:
		08/01/15
		Job No.
		Sheet No.
		2

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Ground Gas Monitoring Record

Borehole	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (% v/v)		Methane (%LEL*)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Nitrogen (%v/v)		Depth to water (m bgl)	Atmospheric Pressure (mB)	Comments
			Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
WS 1	0.0	0	0.0				2.4		19.0		78.5		Dry	1014	
WS 2	0.0	0	0.0				2.1		19.3		78.5		Dry	1014	
WS 3	0.0	0	0.0				1.8		19.4		78.7		Dry	1014	
WS 4	0.0	0	0.0				6.9		5.4		87.6		1.70	1014	

Notes:

Monitoring should be for not less than 3 Minutes. However, if high concentrations of gases initially recorded, monitoring should be for up to 10 mins.

* LEL = Explosive Limit = 5%v/v

ND - Not Detected

Relevant Information at times of monitoring

Monitored by: Weather : Equipment used: Visible signs of vegetation stress: Boreholes sampled for laboratory analysis: Other comments / observations:	P. Platt Overcast LMS Type G3 xi Gas Meter	Contract:
		Woodlands Farm Gwersyllt
		Date:
		19/01/15
		Job No.
		Sheet No.
		3

Geo-Ventures (UK) Limited

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Ground Gas Monitoring Record

Borehole	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (% v/v)		Methane (%LEL*)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Nitrogen (%v/v)		Depth to water (m bgl)	Atmospheric Pressure (mB)	Comments
			Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
WS 1	0.0	0	0.0				0.6		20.4		78.9		Dry	1028	
WS 2	0.0	0	0.0				0.3		20.5		79.1		Dry	1028	
WS 3	0.0	0	0.0				1.5		20.1		78.3		Dry	1028	
WS 4	0.0	0	0.0				6.1		11.2		82.6		1.70	1028	

Notes:

Monitoring should be for not less than 3 Minutes. However, if high concentrations of gases initially recorded, monitoring should be for up to 10 mins.

* LEL = Explosive Limit = 5%v/v

ND - Not Detected

Relevant Information at times of monitoring

Monitored by: Weather : Equipment used: Visible signs of vegetation stress: Boreholes sampled for laboratory analysis: Other comments / observations:	P. Platt LMS Type G3 xi Gas Meter	Contract:
		Woodlands Farm Gwersyllt
		Date:
		17/02/15
		Job No.
		Sheet No.
		4

Geo-Ventures (UK) Limited

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Ground Gas Monitoring Record

Borehole	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (% v/v)		Methane (%LEL*)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Nitrogen (%v/v)		Depth to water (m bgl)	Atmospheric Pressure (mB)	Comments
			Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
WS 1	0.0	0	0.0				0.0		20.9		79.0		Dry	1035	
WS 2	0.0	0	0.0				0.0		21.0		78.9		Dry	1035	
WS 3	0.0	0	0.0				1.4		19.6		78.9		Dry	1035	
WS 4	0.0	0	0.0				5.8		10.8		83.3		1.72	1035	

Notes:

Monitoring should be for not less than 3 Minutes. However, if high concentrations of gases initially recorded, monitoring should be for up to 10 mins.

* LEL = Explosive Limit = 5%v/v

ND - Not Detected

Relevant Information at times of monitoring

Monitored by: Weather : Equipment used: Visible signs of vegetation stress: Boreholes sampled for laboratory analysis: Other comments / observations:	S Edwards Dry LMS Type G3 xi Gas Meter	Contract:
		Woodlands Farm Gwersyllt
		Date:
		05/03/15
		Job No.
		Sheet No.
		5

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Ground Gas Monitoring Record

Borehole	Gas Flow (l/hr)	Borehole Pressure (Pa)	Methane (% v/v)		Methane (%LEL*)		Carbon Dioxide (%v/v)		Oxygen (%v/v)		Nitrogen (%v/v)		Depth to water (m bgl)	Atmospheric Pressure (mB)	Comments
			Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady	Initial	Steady			
WS 1	0.0	0	0.0				0.0		21.1		78.8		Dry	1031	
WS 2	0.0	0	0.0				0.4		20.6		78.9		Dry	1031	
WS 3	0.0	0	0.0				1.8		18.9		79.2		Dry	1031	
WS 4	0.0	0	0.0				4.4		10.8		84.7		1.70	1031	

Notes:

Monitoring should be for not less than 3 Minutes. However, if high concentrations of gases initially recorded, monitoring should be for up to 10 mins.

* LEL = Explosive Limit = 5%v/v

ND - Not Detected

Relevant Information at times of monitoring

Monitored by: Weather : Equipment used: Visible signs of vegetation stress: Boreholes sampled for laboratory analysis: Other comments / observations:	S Edwards Cloudy LMS Type G3 xi Gas Meter	Contract:
		Woodlands Farm Gwersyllt
		Date:
		18/03/15
		Job No.
		Sheet No.
		6

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