

Appendix 9.8

Freshwater Macroinvertebrate Analysis



APEM Ltd is accredited by UKAS to ISO 17025 for the analysis of:
Marine and freshwater phytoplankton,
Marine and freshwater diatoms,
Marine and freshwater macroinvertebrates

APEM Ltd.(1)
A17 Riverview,
Heaton Mersey,
Stockport.
SK4 3GN

APEM Ltd. (3)
The Edinburgh Technopole,
Nr. Penicuik,
Midlothian.
EH26 0PJ

APEM Ltd. (4)
Unit 2, Ground Floor,
Gwaun Elai Medi Campus,
Llantrisant.
CF72 8XL

Freshwater Macroinvertebrate Analysis Report

The analysis on adjacent tab(s) of this workbook has been carried out by APEM Ltd under UKAS accredited method FINV-01

Client Name:	TACP
Address:	10 Park Grove Cardiff CF10 3BN
Phone Number:	02920 228966
P.O. Number:	Email confirmation
Issued by:	Sally A.H. Donaldson Senior Invertebrate Taxonomist
Issue Date:	03.10.2014

If you have any comments or complaints regarding this or any other piece of work conducted by APEM Ltd, please contact D.Slattery (Quality Manager) d.slattery@apemltd.co.uk

APEM Report No. 413469-01



Sample Number	12879	12880	12881	12882
Watercourse and Site name	Site 1 Sutton Wood	Site 2 R Waycock Upper	Site 3 R Waycock Lower	Site 4 Welsh Hawking Stream
Analysis	Family	Family	Family	Family
Sample Date	12/09/2014	12/09/2014	12/09/2014	12/09/2014
Sample Method	Kick/Sweep 3 Minutes (Fam)	Kick/Sweep 3 Minutes (Fam)	Kick/Sweep 3 Minutes (Fam)	Kick/Sweep 3 Minutes (Fam)

BMWP Score	Taxa name	12879	12880	12881	12882
5	Planariidae				7
5	Dendrocoelidae				1
3	Hydrobiidae	38	69	45	426
3	Physidae			4	
3	Lymnaeidae		11	5	
3	Planorbidae		1		
6	Ancylidae		1	19	
3	Sphaeriidae	14		1	10
1	Oligochaeta	4	76	325	75
3	Glossiphoniidae	36	1	1	33
3	Erpobdellidae	5	1	23	4
	Hydracarina			3	6
	Oribatei	3			11
	Ostracoda				1
3	Asellidae	49	1	27	90
6	Crangonyctidae				15
6	Gammaridae	996	278	1250	542
4	Baetidae	10	74	64	28
10	Ephemeroidea		1		3
10	Ephemereleidae		1	3	
10	Leuctridae		7	5	
8	Calopterygidae		1		
	Veliidae	1	1		
5	Dytiscidae	5	5	2	14
5	Gyrinidae		1	6	19
5	Hydrophilidae				1
5	Scirtidae	1			12
5	Elmidae	17	209	975	181
	Curculionidae	1			
4	Sialidae	7			3
	Trichoptera		9		
7	Rhyacophilidae		7	19	
7	Glossosomatidae	1	2	53	2
6	Hydroptilidae		4	1	
8	Psychomyiidae	3	1		3
7	Polycentropodidae	17	27	20	8
5	Hydropsychidae		23	15	1
10	Lepidostomatidae		2	2	
7	Limnephilidae	3		1	1
10	Sericostomatidae			12	4
10	Leptoceridae		1		
5	Limoniidae				3
5	Pediciidae	3		8	9
	Psychodidae	2	1	1	
	Ptychopteridae	4			2
	Dixidae	5	1		38
	Ceratopogonidae	1			10
5	Simuliidae	1	38	23	25
2	Chironomidae	510	33	16	109
	Empididae			1	
	Dolichopodidae				1

N-Taxa	19	26	26	26
BMWP	86	148	137	131
ASPT	4.53	5.69	5.27	5.04