

Quantitative - transect (July 2006)

Queen Elizabeth Power Station

Sample # 1 - 20m pure sand, transect.

Sample # 2 - 5m transect.

Sample # 3 - handful wood sticks

Sample # 4 - 10m transect, slow current, mud

Ephemeroptera

Taxa	#1	#2	#3	#4	TOTAL	
Immature <i>Acentrella</i> sp.		0	0	1	0	1
<i>Baetis tricaudatus</i> Dodds		0	0	11	2	13
<i>Brachycercus edmundsi</i> Soldán		0	0	0	19	19
<i>Caenis amica</i> Hagen		0	1	2	20	23
Immature <i>Caenis</i> sp.		0	0	1	1	2
<i>Centroptilum bifurcatum</i> (McDunnough)		0	0	0	7	7
<i>Heptagenia elegantula / diabasia</i>		0	0	13	6	19
<i>Hexagenia limbata</i> (Serville)		0	1	0	1	2
<i>Metretopus borealis</i> (Eaton)		0	0	0	2	2
<i>Pseudocloeon dardanum</i> (McDunnough)		0	0	2	0	2
<i>Pseudocloeon propinquum</i> (Walsh)		0	0	1	0	1
<i>Tricorythodes</i> sp. 1		0	0	3	1	4
Immature Baetidae sp.		0	1	97	5	103
Immature Heptageniidae sp.		0	0	1	1	2
Unidentified Heptageniidae sp.		0	0	2	0	2
TOTAL SPECIMENS						202
TOTAL TAXA						10

Tricoptera

Taxa	#1	#2	#3	#4	TOTAL	
<i>Brachycentrus occidentalis</i> Banks		0	0	4	0	4
<i>Hydropsyche alternans</i> Walker		0	1	30	4	35
<i>Hydroptila</i> sp. 1		0	0	0	8	8
Immature Hydropsychidae sp.		0	1	252	63	316
Unidentified Hydropsychidae sp.		0	1	1	0	2
TOTAL SPECIMENS						365
TOTAL TAXA						3

Diptera

Taxa	#1	#2	#3	#4	TOTAL	
Chironomidae (larvae)		0	1	170	132	303
Chironomidae (pupa)		0	0	0	5	5
Simuliidae (larvae)		0	0	7	2	9
TOTAL SPECIMENS						317
TOTAL SPECIMENS (excluding chironomids)						9
TOTAL TAXA						0

Others

Taxa	#1	#2	#3	#4	TOTAL	
Coleoptera						
<i>Haliphus</i> sp. 1		0	0	0	1	1
<i>Oreodytes</i> sp. 1		0	0	0	2	2
<i>Peltodytes</i> sp. 1		0	0	0	2	2
Hemiptera						
Immature Corixidae sp.		0	1	0	13	14
Bivalva		16	0	0	1	17
Collembora		0	0	0	2	2
Copepod		0	0	11	30	41
Crayfish		0	0	0	4	4
Egg (yellow)		0	0	5	1	6
<i>Hydra</i> sp.		0	0	16	5	21
Oligochaetae		0	1	55	21	77
Skin	Yes	Yes	Yes	Yes		
Spider		0	0	1	0	1
Terrestrial insect		0	0	0	1	1
T. case		0	0	1	0	1
Water mite		0	0	0	1	1

SUMMARY

Grand total insects	884
Grand total insects excluding chironomids	576
Total taxa	13

