

Quantitative - transect (July 2006)

**Weldon Ferry**

Sample # 1 - 2 m backwater.

Sample # 2 - 5 m transect.

Sample # 3 - 1 m<sup>2</sup> transect, 1/2 m deep, very fast current, excellent habitat, many rocks.

Sample # 4 - 5 m transect.

**Ephemeroptera**

Taxa	#1	#2	#3	#4	TOTAL
<i>Acentrella parvula</i> (McDunnough)	0	4	1	0	5
<i>Acentrella turbida</i> (McDunnough)	0	2	1	0	3
<i>Baetis tricaudatus</i> Dodds	0	2	5	0	7
<i>Caenis amica</i> Hagen	0	1	0	0	1
<i>Centroptilum bifurcatum</i> McDunnough	1	0	0	0	1
<i>Ephoron album</i> (Say)	0	7	16	36	59
<i>Fallceon quilleri</i> (Dodds)	1	5	29	3	38
<i>Heptagenia elegantula / diabasia</i>	0	21	6	12	39
<i>Isonychia compestris</i> McDunnough	0	1	8	35	44
<i>Macafermium terminatum</i> (Walsh)	2	30	20	13	65
<i>Tricorythodes</i> sp. 1	3	13	61	27	104
Immature Baetidae sp.	0	2	17	3	22
Immature Heptageniidae sp.	1	36	27	54	118
Unidentified Baetidae sp.	0	0	1	0	1
Unidentified Heptageniidae sp.	1	2	1	1	5
<b>TOTAL SPECIMENS</b>					<b>512</b>
<b>TOTAL TAXA</b>					<b>11</b>

**Plecoptera**

Taxa	#1	#2	#3	#4	TOTAL
<i>Acroneuria abnormis</i> (Newman)	0	2	0	0	2
<i>Pteronarcys dorsata</i> Say	0	0	1	0	1
<b>TOTAL SPECIMENS</b>					<b>3</b>
<b>TOTAL TAXA</b>					<b>2</b>

**Tricoptera**

Taxa	#1	#2	#3	#4	TOTAL
<i>Cheumatopsyche</i> sp. 1	1	10	6	33	50
<i>Hydropsyche alternans</i> Walker	0	7	1	4	12
<i>Hydropsyche bifida</i> Banks	0	1	1	0	2
<i>Hydropsyche occidentalis</i> Walker	0	0	1	3	4
<i>Mayatrichia</i> sp. 1	0	3	13	5	21
<i>Nectopsyche</i> sp. 1	0	0	1	0	1
<i>Ochrotrichia</i> sp. 1	0	0	2	2	4
Immature Hydropsychidae sp.	0	6	12	35	53
Unidentified Hydropsychidae sp.	0	0	0	2	2
Immature sp.	0	0	0	1	1
Pupa	0	8	2	12	22
<b>TOTAL SPECIMENS</b>					<b>172</b>
<b>TOTAL TAXA</b>					<b>7</b>

## Diptera

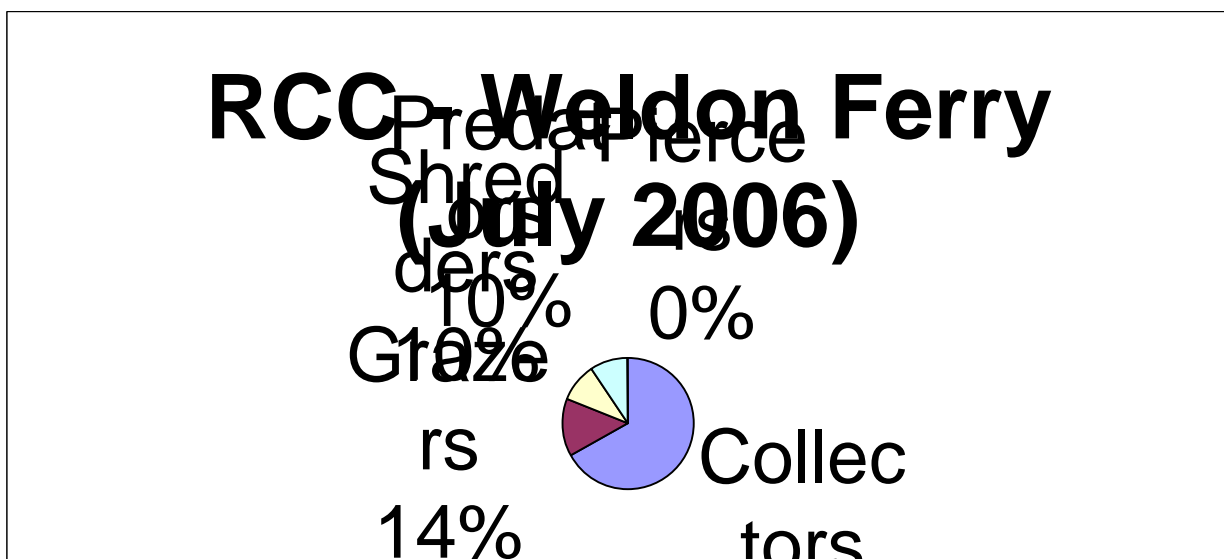
Taxa	#1	#2	#3	#4	TOTAL
Chironomidae (larvae)	1	13	29	11	54
Chironomidae (pupa)	0	2	5	2	9
Empididae (larvae)	0	0	0	1	1
Empididae (pupa)	0	3	2	8	13
Simuliidae (larvae)	0	0	2	0	2
Tipulidae (larvae)	0	0	1	0	1
<b>TOTAL SPECIMENS</b>					<b>80</b>
<b>TOTAL SPECIMENS</b> (excluding chironomids)					<b>17</b>
<b>TOTAL TAXA</b>					<b>0</b>

Taxa	#1	#2	#3	#4	TOTAL
<b>Odonata</b>					
<i>Ophiogomphus</i> sp. 1	0	0	0	4	4
Immature Gomphidae sp.	1	2	1	3	7
<b>Hemiptera</b>					
<i>Hesperocorixa</i> sp.?	0	2	0	1	3
Bivalva	0	0	3	4	7
Crayfish	0	0	1	0	1

Oligochaetae-like organism (white)		7	3	11	3	24
Skin	Yes	Yes	Yes	Yes		
Terrestrial, adult insect		0	0	0	1	1
T. case		0	1	1	1	3

**SUMMARY**

Grand total insects	767
Grand total insects excluding chironomids	704
Total taxa	20



<b>Collectors-gatherers</b>	Collectors	14
<b>Collectors-gatherers</b>	Grazers	3
<b>Collectors-gatherers</b>	Shredders	2
<b>Collectors-gatherers</b>	Predators	2
<b>Collectors-gatherers</b>	Piercers	0
<b>Collectors-gatherers</b>	TOTAL	21
<b>Collectors-gatherers</b>		
<b>Grazers</b>		
<b>Collectors-filterers</b>	Collectors	0.666667
<b>Grazers</b>	Grazers	0.142857
<b>Collectors-gatherers</b>	Shredders	0.095238
	Predators	0.095238
	Piercers	0

Predators  
**Shredders-detritivores**

**Collectors-filterers**  
**Collectors-filterers**  
**Collectors-filterers**  
**Collectors-filterers**  
**Grazers**  
**Shredders-herbivores**  
**Collectors-gatherers**

Predators

