

Appendix Table 2. Macroinvertebrate taxa collected by NEORSD in 2010 and 2011.

Site: Canal Rd. Subsample: Collector:
 Collection Date: 08/23/2011 River Code: 19-006 River: Mill Creek RM: 0.12

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
03600	Oligochaeta	T	+				
05800	Caecidotea sp	MT	+				
06501	Gammaridae	F	+				
11120	Baetis flavistriga	F	+				
21200	Calopteryx sp	F	+				
52200	Cheumatopsyche sp	F	+				
52431	Ceratopsyche morosa	MI	+				
52450	Ceratopsyche sparna	MI	+				
52530	Hydropsyche depravata group	F	+				
53800	Hydroptila sp	F	+				
71900	Tipula sp	F	+				
74100	Simulium sp	F	+				
77120	Ablabesmyia mallochii	F	+				
77500	Conchapelopia sp	F	+				
80420	Cricotopus (C.) bicinctus	MT	+				
82820	Cryptochironomus sp	F	+				
84450	Polypedilum (Uresipedilum) flavum	F	+				
84470	Polypedilum (P.) illinoense	T	+				
84540	Polypedilum (Tripodura) scalaenum group	F	+				

No. Quantitative Taxa:	0	Total Taxa:	19
No. Qualitative Taxa:	19	ICI:	
Number of Organisms:	0	Qual EPT:	6
QCTV:			34.4

Appendix Table 2. Macroinvertebrate taxa for sites in the NEORSD study area during 2011.

Site ID:11Q122-11G Collection Date: 08/23/2011 River Code19-006 River: Mill Creek				RM: 0.70			
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria		46 +				
03360	Plumatella sp		+	No. Quantitative Taxa:	25	Total Taxa:	42
03600	Oligochaeta	T	169 +	No. Qualitative Taxa:	35	ICI:	34
04664	Helobdella stagnalis		+	Number of Organisms:	3833	Qual EPT:	6
04935	Erpobdella punctata punctata		1				
04964	Mooreobdella microstoma		2 +				
05800	Caecidotea sp		1 +				
06700	Crangonyx sp		+				
08601	Hydracarina		+				
11120	Baetis flavistriga		405 +				
21200	Calopteryx sp		+				
21300	Hetaerina sp		+				
22001	Coenagrionidae		+				
23600	Aeshna sp		+				
52200	Cheumatopsyche sp		952 +				
52430	Ceratopsyche morosa group		509 +				
52450	Ceratopsyche sparna		108 +				
52530	Hydropsyche depravata group		198 +				
53800	Hydroptila sp		41 +				
60900	Peltodytes sp		+				
67700	Paracymus sp		+				
67800	Tropisternus sp		+				
74501	Ceratopogonidae		+				
77120	Ablabesmyia mallochi		+				
77500	Conchapelopia sp		182 +				
78450	Nilotanypus fimbriatus		8				
79100	Thienemannimyia group		73				
80420	Cricotopus (C.) bicinctus	T	61 +				
80430	Cricotopus (C.) tremulus group		48 +				
81650	Parametriocnemus sp	X	12				
82141	Thienemanniella xena		40 +				
82820	Cryptochironomus sp		+				
83040	Dicrotendipes neomodestus		+				
84450	Polypedilum (Uresipedilum) flavum		618 +				
84470	Polypedilum (P.) illinoense	T	+				
84540	Polypedilum (Tripodura) scalaenum group		133 +				
85500	Paratanytarsus sp		24 +				
85625	Rheotanytarsus sp		170				
85821	Tanytarsus glabrescens group sp 7		12				
85840	Tanytarsus sepp		12				
95100	Physella sp	T	8 +				
98001	Sphaeriidae		+				

Appendix Table 2. Macroinvertebrate taxa collected by NEORS in 2010 and 2011.

Site:				Subsample:		Collector:	
Collection Date: 08/23/2011		River Code: 19-006		River: Mill Creek		RM:	2.75
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	17 +				
03600	Oligochaeta	T	73 +	No. Quantitative Taxa:	27	Total Taxa:	39
04664	Helobdella stagnalis	T	+	No. Qualitative Taxa:	26	ICI:	40
04901	Erpobdellidae	T	1	Number of Organisms:	1951	Qual EPT:	5
04935	Erpobdella punctata punctata	T	+	QCTV:		33.1	
04964	Mooreobdella microstoma	T	+				
05800	Caecidotea sp	MT	1 +				
06700	Crangonyx sp	MT	+				
11120	Baetis flavistriga	F	589 +				
11130	Baetis intercalaris	F	1				
21200	Calopteryx sp	F	+				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
23909	Boyeria vinosa	F	+				
52200	Cheumatopsyche sp	F	173 +				
52430	Ceratopsyche morosa group	MI	22				
52450	Ceratopsyche sparna	MI	140 +				
52530	Hydropsyche depravata group	F	171 +				
53800	Hydroptila sp	F	73 +				
65800	Berosus sp	MT	1				
71900	Tipula sp	F	2 +				
74100	Simulium sp	F	+				
77500	Conchapelopia sp	F	62 +				
79100	Thienemannimyia group	F	78				
80310	Cardiocladius obscurus	MI	+				
80420	Cricotopus (C.) bicinctus	MT	23				
80430	Cricotopus (C.) tremulus group	F	8 +				
81270	Nanocladius (N.) spiniplenus	MI	+				
81825	Rheocricotopus (Psilocricotopus) robacki	MI	8				
82100	Thienemanniella sp	F	8				
84450	Polypedilum (Uresipedilum) flavum	F	148 +				
84470	Polypedilum (P.) illinoense	T	8				
84540	Polypedilum (Tripodura) scalaenum group	F	249 +				
85500	Paratanytarsus sp	F	23				
85625	Rheotanytarsus sp	MI	39				
85821	Tanytarsus glabrescens group sp 7	MI	8				
85840	Tanytarsus sepp	MI	16				
87540	Hemerodromia sp	F	9 +				
89700	Limnophora sp	F	+				

Appendix Table 2. Macroinvertebrate taxa collected by NEORS in 2010 and 2011.

Site: _____ Subsample: _____ Collector: _____
 Collection Date: 08/23/2011 River Code: 19-006 River: Mill Creek RM: 3.15

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	+				
03600	Oligochaeta	T	+				
04664	Helobdella stagnalis	T	+				
04935	Erpobdella punctata punctata	T	+				
04964	Mooreobdella microstoma	T	+				
05800	Caecidotea sp	MT	+				
06700	Crangonyx sp	MT	+				
11120	Baetis flavistriga	F	+				
21200	Calopteryx sp	F	+				
21300	Hetaerina sp	F	+				
22001	Coenagrionidae	MT	+				
52200	Cheumatopsyche sp	F	+				
52450	Ceratopsyche sparna	MI	+				
52530	Hydropsyche depravata group	F	+				
74100	Simulium sp	F	+				
74501	Ceratopogonidae	F	+				
77800	Helopelopia sp	F	+				
79100	Thienemannimyia group	F	+				
84450	Polypedilum (Uresipedilum) flavum	F	+				
84540	Polypedilum (Tripodura) scalaenum group	F	+				
98001	Sphaeriidae		+				

No. Quantitative Taxa: 0 Total Taxa: 21
 No. Qualitative Taxa: 21 ICI:
 Number of Organisms: 0 Qual EPT: 4
 QCTV: 31.3

Appendix Table 2. Macroinvertebrate taxa collected by NEORS in 2010 and 2011.

Site: _____ Subsample: _____ Collector: _____
 Collection Date: 08/23/2011 River Code: 19-006 River: Mill Creek RM: 6.80

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	+				
03600	Oligochaeta	T	+				
04964	Mooreobdella microstoma	T	+				
06700	Crangonyx sp	MT	+				
11120	Baetis flavistriga	F	+				
21200	Calopteryx sp	F	+				
22001	Coenagrionidae	MT	+				
52200	Cheumatopsyche sp	F	+				
52530	Hydropsyche depravata group	F	+				
77120	Ablabesmyia mallochi	F	+				
77500	Conchapelopia sp	F	+				
80420	Cricotopus (C.) bicinctus	MT	+				
81200	Nanocladius sp		+				
84210	Paratendipes albimanus or P. duplicatus	MI	+				
84540	Polypedilum (Tripodura) scalaenum group	F	+				

No. Quantitative Taxa: 0 Total Taxa: 15
 No. Qualitative Taxa: 15 ICI:
 Number of Organisms: 0 Qual EPT: 3
 QCTV: 31.2

Appendix Table 2. Macroinvertebrate taxa collected by NEORS in 2010 and 2011.

Site: Subsample:
 Collection Date: 08/22/2011 River Code: 19-006 River: Mill Creek Collector: RM: 8.30

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	+				
03600	Oligochaeta	T	+				
08601	Hydracarina	F	+				
11120	Baetis flavistriga	F	+				
21200	Calopteryx sp	F	+				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
52200	Cheumatopsyche sp	F	+				
52450	Ceratopsyche sparna	MI	+				
52530	Hydropsyche depravata group	F	+				
53800	Hydroptila sp	F	+				
69400	Stenelmis sp	F	+				
71900	Tipula sp	F	+				
74100	Simulium sp	F	+				
77120	Ablabesmyia mallochi	F	+				
77500	Conchapelopia sp	F	+				
77800	Helopelopia sp	F	+				
80420	Cricotopus (C.) bicinctus	MT	+				
84450	Polypedilum (Uresipedilum) flavum	F	+				
84540	Polypedilum (Tripodura) scalaenum group	F	+				
85500	Paratanytarsus sp	F	+				
87540	Hemerodromia sp	F	+				
95100	Physella sp	T	+				

No. Quantitative Taxa: 0 Total Taxa: 23
 No. Qualitative Taxa: 23 ICI:
 Number of Organisms: 0 Qual EPT: 5
 QCTV: 34.7

Appendix Table 2. Macroinvertebrate taxa for sites in the Cuyahoga River study area during 2011.

Site ID:11Q132-11H Collection Date: 08/22/2011 River Code:19-006 River: Mill Creek RM: 10.13

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	67 +				
03600	Oligochaeta	T	216 +				
04935	Erpobdella punctata punctata	T	+	No. Quantitative Taxa:	23	Total Taxa:	39
06700	Crangonyx sp	MT	+	No. Qualitative Taxa:	32	ICI:	32
08601	Hydracarina	F	+	Number of Organisms:	1878	Qual EPT:	4
11120	Baetis flavistriga	F	516 +				
21200	Calopteryx sp	F	+				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
23600	Aeshna sp	F	+				
52200	Cheumatopsyche sp	F	256 +				
52530	Hydropsyche depravata group	F	54 +				
53800	Hydroptila sp	F	37 +				
67800	Tropisternus sp	MT	+				
68601	Ancyronyx variegata	MI	+				
69400	Stenelmis sp	F	4 +				
72700	Anopheles sp	F	+				
74100	Simulium sp	F	+				
74710	Forcipomyia sp		8				
77120	Ablabesmyia mallochi	F	+				
77500	Conchapelopia sp	F	80				
78599	Pentaneura sp	F	+				
80370	Corynoneura lobata	MI	8				
80420	Cricotopus (C.) bicinctus	MT	46 +				
80430	Cricotopus (C.) tremulus group	F	29 +				
82141	Thienemanniella xena	F	4				
82820	Cryptochironomus sp	F	11				
83040	Dicrotendipes neomodestus	F	17 +				
83050	Dicrotendipes lucifer	MT	+				
84210	Paratendipes albimanus or P. duplicatus	MI	120 +				
84460	Polypedilum (P.) fallax group	F	171 +				
84470	Polypedilum (P.) illinoense	T	+				
84520	Polypedilum (Tripodura) halterale group	F	6				
84540	Polypedilum (Tripodura) scalaenum group	F	109 +				
85500	Paratanytarsus sp	F	34 +				
86501	Stratiomyidae	F	8				
87540	Hemerodromia sp	F	75 +				
94201	Lymnaeidae		+				
95100	Physella sp	T	2 +				

Appendix Table 2. Macroinvertebrate taxa collected by NEORS in 2010 and 2011.

Site:				Subsample:		Collector:	
Collection Date: 08/24/2011		River Code: 19-006		River: Mill Creek		RM: 10.70	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	152 +				
03600	Oligochaeta	T	346 +	No. Quantitative Taxa:	23	Total Taxa:	35
04664	Helobdella stagnalis	T	+	No. Qualitative Taxa:	26	ICI:	24
04935	Erpobdella punctata punctata	T	1 +	Number of Organisms:	1660	Qual EPT:	6
06700	Crangonyx sp	MT	+	QCTV:		31.5	
11120	Baetis flavistriga	F	163 +				
11130	Baetis intercalaris	F	+				
13400	Stenacron sp	F	1				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
51600	Polycentropus sp	MI	+				
52200	Cheumatopsyche sp	F	298 +				
52530	Hydropsyche depravata group	F	40 +				
53800	Hydroptila sp	F	9 +				
67811	Staphylinidae		+				
68901	Macronychus glabratus	MI	4				
74100	Simulium sp	F	1 +				
74710	Forcipomyia sp		8 +				
77500	Conchapelopia sp	F	154 +				
77800	Helopelopia sp	F	6				
80370	Corynoneura lobata	MI	8				
80420	Cricotopus (C.) bicinctus	MT	+				
80510	Cricotopus (Isocladius) sylvestris group	VT	6				
82820	Cryptochironomus sp	F	+				
83040	Dicrotendipes neomodestus	F	+				
84210	Paratendipes albimanus or P. duplicatus	MI	37 +				
84280	Phaenopsectra sp or Tribelos sp		6				
84450	Polypedilum (Uresipedilum) flavum	F	370 +				
84470	Polypedilum (P.) illinoense	T	+				
84540	Polypedilum (Tripodura) scalaenum group	F	6 +				
85500	Paratanytarsus sp	F	12 +				
85840	Tanytarsus sepp	MI	6				
87540	Hemerodromia sp	F	18				
95100	Physella sp	T	+				
96120	Menetus (Micromenetus) dilatatus	T	8				

Appendix Table 2. Macroinvertebrate taxa collected by NEORSD in 2010 and 2011.

Site:				Subsample:		Collector:	
Collection Date: 08/24/2011		River Code: 19-006		River: Mill Creek		RM: 11.52	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	48 +				
03360	Plumatella sp	F	+				
03600	Oligochaeta	T	652 +				
04810	Haemopsis sp	VT	+				
04935	Erpobdella punctata punctata	T	5 +				
08601	Hydracarina	F	+				
11120	Baetis flavistriga	F	30 +				
52450	Ceratopsyche sparna	MI	+				
53800	Hydroptila sp	F	112 +				
69400	Stenelmis sp	F	+				
70000	Diptera		1				
74100	Simulium sp	F	10 +				
77800	Helopelopia sp	F	24				
79100	Thienemannimyia group	F	401				
80410	Cricotopus (C.) sp	F	24				
80420	Cricotopus (C.) bicinctus	MT	708 +				
80430	Cricotopus (C.) tremulus group	F	165 +				
80490	Cricotopus (Isocladius) intersectus group	MT	47				
82141	Thienemanniella xena	F	47				
82710	Chironomus (C.) sp	T	+				
83003	Dicrotendipes fumidus	F	24				
83040	Dicrotendipes neomodestus	F	118 +				
84210	Paratendipes albimanus or P. duplicatus	MI	24				
84450	Polypedilum (Uresipedilum) flavum	F	94 +				
84470	Polypedilum (P.) illinoense	T	189 +				
84540	Polypedilum (Tripodura) scalaenum group	F	24				
85500	Paratanytarsus sp	F	543				
85625	Rheotanytarsus sp	MI	+				
85821	Tanytarsus glabrescens group sp 7	MI	24				
89700	Limnophora sp	F	+				
95100	Physella sp	T	+				
96120	Menetus (Micromenetus) dilatatus	T	6 +				
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No. Quantitative Taxa:	23	Total Taxa:	32				
No. Qualitative Taxa:	21	ICI:	22				
Number of Organisms:	3320	Qual EPT:	3				
	QCTV:		30.9				

Appendix Table 2. Macroinvertebrate taxa collected by NEORSD in 2010 and 2011.

Site: _____ Subsample: _____ Collector: _____
 Collection Date: 08/24/2011 River Code: 19-006 River: Mill Creek RM: 11.85

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria		F +				
03600	Oligochaeta		T +				
04935	Erpobdella punctata punctata		T +				
11120	Baetis flavistriga		F +				
22001	Coenagrionidae		MT +				
23600	Aeshna sp		F +				
52200	Cheumatopsyche sp		F +				
74100	Simulium sp		F +				
77750	Hayesomyia senata or Thienemannimyia norena		F +				
79400	Zavrelimyia sp	X	F +				
80420	Cricotopus (C.) bicinctus		MT +				
80430	Cricotopus (C.) tremulus group		F +				
80510	Cricotopus (Isocladius) sylvestris group		VT +				
80740	Eukiefferiella claripennis group		MT +				
83040	Dicrotendipes neomodestus		F +				
84210	Paratendipes albimanus or P. duplicatus		MI +				
84450	Polypedilum (Uresipedilum) flavum		F +				
84470	Polypedilum (P.) illinoense		T +				
85625	Rheotanytarsus sp		MI +				
95100	Physella sp		T +				

No. Quantitative Taxa: 0 Total Taxa: 20
 No. Qualitative Taxa: 20 ICI:
 Number of Organisms: 0 Qual EPT: 2
 QCTV: 29.8