

Table 2. ICI metrics and values from data collected by NEORSD.

River Mile	Drainage Area (sq mi)	Number of				Percent:					Qual. EPT	ICI or Narrative
		Total Taxa	Mayfly Taxa	Caddisfly Taxa	Dipteran Taxa	Mayflies	Caddisflies	Tanytarsini	Other Dipt/NI	Tolerant Organisms		
Cuyahoga River (19-001)												
Year: 2011												
17.30	596.0	34(4)	2(0)	7(6)	16(6)	5.5(2)	63.5(6)	3.1(2)	19.0(6)	2.1(6)	7(2)	40
16.20	696.0	30(4)	2(0)	7(6)	14(6)	4.1(2)	83.2(6)	0.8(2)	6.5(6)	0.7(6)	8(2)	40
12.10	709.0	33(4)	2(0)	3(4)	18(6)	5.5(2)	51.3(6)	1.4(2)	22.7(4)	1.2(6)	8(2)	36
11.30	730.0	29(4)	2(0)	5(4)	14(6)	3.6(2)	60.9(6)	2.6(2)	18.3(6)	3.0(4)	8(2)	36
10.75	743.0	32(4)	2(0)	5(4)	17(6)	0.5(2)	66.0(6)	0.5(2)	24.0(4)	10.5(0)	9(2)	30
10.10	744.0										10	
8.60	745.0	15(2)	2(0)	3(4)	5(2)	5.7(2)	9.4(2)	0.0(0)	81.1(0)	39.6(0)	9(2)	14
7.00	786.0	35(6)	3(2)	3(4)	21(6)	3.9(2)	12.7(2)	1.6(2)	77.0(0)	65.7(0)	10(2)	26

Table. Ohio Lacustruary ICI and metrics for the Cuyahoga River collected by NEORSD in 2011.

River Mile	Percent Lacustruary	Number of				Percent:					Qual. EPT	LICI
		Total Taxa	Sensitive Taxa	Dipteran Taxa	Mayflies & Caddisflies	Gatherers ^a	Sensitive Organisms	Other Dip/NI ^b	Predom Taxon	Diptera/ft ²		
Cuyahoga River (19-001)												
Year: 2011												
0.20	2.9	23(2)	6(2)	11(2)	14.3(6)	54.8(6)	3.9(2)	83.1(4)	41.6(4)	37.6(6)	1(2)	36
2.75	39.3										2(2)	
5.90	84.3	26(4)	7(2)	10(2)	24.7(6)	60.5(6)	18.2(6)	71.2(4)	40.5(6)	50.2(6)	5(4)	46

^a Percent of total gatherers as individuals excluding zebra mussels (*Dreissena polymorpha*).

^b Percent of dipterans and non-insects as individuals, excluding the midge tribe Tanytarsini.

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

Site ID:11Q087 Collection Date: 10/06/2011 River Code:19-001 River: Cuyahoga River RM: 0.20

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01200	Cordylophora lacustris		1				
01320	Hydra sp		17				
03600	Oligochaeta	T	24				
06201	Hyalella azteca		+				
06810	Gammarus fasciatus		266 +				
11130	Baetis intercalaris		2 +				
13570	Stenonema terminatum		25				
43570	Neoplea sp		+				
51206	Cynellus fraternus		177				
68601	Ancyronyx variegata		8				
68901	Macronychus glabratus		5				
77750	Hayesomyia senata or Thienemannimyia norena		2				
79020	Tanytus neopunctipennis		+				
80420	Cricotopus (C.) bicinctus	T	6				
80430	Cricotopus (C.) tremulus group		2				
80490	Cricotopus (Isocladius) intersectus group		+				
82141	Thienemanniella xena		4				
83040	Dicrotendipes neomodestus		18				
83051	Dicrotendipes simpsoni	T	50				
83300	Glyptotendipes (G.) sp		72				
84450	Polypedilum (Uresipedilum) flavum		4				
84700	Stenochironomus sp		6				
85625	Rheotanytarsus sp		20				
85840	Tanytarsus sepp		4				
95100	Physella sp	T	40				
96900	Ferrissia sp	T	81				
97710	Dreissena polymorpha		595 +				

No. Quantitative Taxa: 23 Total Taxa: 27
 No. Qualitative Taxa: 7 LICl: 36
 Number of Organisms: 1429 Qual EPT: 1

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

Site ID:11Q089 Collection Date: 10/06/2011 River Code:19-001 River: Cuyahoga River RM: 2.75

Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
03600	Oligochaeta	T	+				
04661	Helobdella elongata		+				
04664	Helobdella stagnalis		+				
06201	Hyalella azteca		+				
06810	Gammarus fasciatus		+				
11130	Baetis intercalaris		+				
43570	Neoplea sp		+				
59407	Nectopsyche candida		+				
77120	Ablabesmyia mallochi		+				
78655	Procladius (Holotanypus) sp		+				
79020	Tanypus neopunctipennis		+				
80420	Cricotopus (C.) bicinctus	T	+				
80500	Cricotopus (Isocladius) reversus group		+				
80510	Cricotopus (Isocladius) sylvestris group	T	+				
83300	Glyptotendipes (G.) sp		+				

No. Quantitative Taxa: 0 Total Taxa: 15
 No. Qualitative Taxa: 15 LICI:
 Number of Organisms: 0 Qual EPT: 2

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

Site ID:11Q091		Collection Date: 10/10/2011		River Code:19-001		River: Cuyahoga River		RM: 5.90	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.		
01320	Hydra sp	F	4						
01900	Nemertea	F	32	No. Quantitative Taxa:	27	Total Taxa:	40		
03600	Oligochaeta	T	483 +	No. Qualitative Taxa:	21	LICI:	46		
04964	Mooreobdella microstoma	T	1	Number of Organisms:	1195	Qual EPT:	5		
05800	Caecidotea sp	MT	1						
06201	Hyalella azteca	F	+						
06810	Gammarus fasciatus	F	53 +						
11130	Baetis intercalaris	F	+						
13570	Stenonema terminatum	MI	148 +						
16700	Tricorythodes sp	MI	13 +						
22300	Argia sp	F	14 +						
25600	Stylurus sp	MI	+						
45100	Palmacorixa sp	F	+						
51206	Cyrnellus fraternus	F	96						
52200	Cheumatopsyche sp	F	24						
52430	Ceratopsyche morosa group	MI	4 +						
52560	Hydropsyche orris	MI	10						
59407	Nectopsyche candida	MI	+						
60400	Gyrinus sp	F	+						
60900	Peltodytes sp	MT	+						
68601	Ancyronyx variegata	MI	17						
68901	Macronychus glabratus	MI	17						
74501	Ceratopogonidae	F	+						
77120	Ablabesmyia mallochi	F	+						
77500	Conchapelopia sp	F	10						
77750	Hayesomyia senata or Thienemannimyia norena	F	84 +						
77800	Helopelopia sp	F	8						
80420	Cricotopus (C.) bicinctus	MT	5						
80430	Cricotopus (C.) tremulus group	F	5						
80500	Cricotopus (Isocladius) reversus group	VT	+						
81231	Nanocladius (N.) crassicornus or N. (N.) "rectinervis"	F	3						
81240	Nanocladius (N.) distinctus	MT	+						
82710	Chironomus (C.) sp	T	+						
83040	Dicrotendipes neomodestus	F	28						
83050	Dicrotendipes lucifer	MT	8						
83300	Glyptotendipes (G.) sp	MT	99 +						
85500	Paratanytarsus sp	F	3						
87540	Hemerodromia sp	F	1						
95501	Planorbidae	MT	+						
96900	Ferrissia sp	F	24						

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

Site ID:		Collection Date: 10/11/2011		River Code 19-001		River: Cuyahoga River		RM: 7.00	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.		
01320	Hydra sp		18	84400	Polypedilum sp		+		
01801	Turbellaria		5 +	84450	Polypedilum (Uresipedilum) flavum		102 +		
03360	Plumatella sp		+	84520	Polypedilum (Tripodura) halterale group		4		
03600	Oligochaeta	T	1908 +	84540	Polypedilum (Tripodura) scalaenum group		12		
05800	Caecidotea sp		11 +	84700	Stenochironomus sp		4		
06700	Crangonyx sp		+	85625	Rheotanytarsus sp		20		
06810	Gammarus fasciatus		+	85800	Tanytarsus sp		12		
11120	Baetis flavistriga		21	85840	Tanytarsus sepp		16		
11130	Baetis intercalaris		66 +	87540	Hemerodromia sp		8		
13570	Stenonema terminatum		29 +	95100	Physella sp	T	+		
16700	Tricorythodes sp		+	96900	Ferrissia sp	T	11		
21200	Calopteryx sp		+						
21300	Hetaerina sp		+						
22001	Coenagrionidae		+						
23909	Boyeria vinosa		+						
30000	Plecoptera		+						
50315	Chimarra obscura		1						
51600	Polycentropus sp		+						
52200	Cheumatopsyche sp		288 +						
52430	Ceratopsyche morosa group		88 +						
52560	Hydropsyche orris		+						
53800	Hydroptila sp		+						
59407	Nectopsyche candida		+						
64050	Liodessus sp		+						
68601	Ancyronyx variegata		52						
68901	Macronychus glabratus		49						
69400	Stenelmis sp		40 +						
74100	Simulium sp		17 +						
77355	Clinotanypus pinguis		43						
77500	Conchapelopia sp		23						
77750	Hayesomyia senata or Thienemannimyia norena		12 +						
77800	Helopelopia sp		+						
80410	Cricotopus (C.) sp		4						
80420	Cricotopus (C.) bicinctus	T	12 +						
80430	Cricotopus (C.) tremulus group		8 +						
81231	Nanocladius (N.) crassicornus or N. (N.) "rectinervis"		20						
81240	Nanocladius (N.) distinctus	T	12 +						
82141	Thienemanniella xena		27						
82820	Cryptochironomus sp		8						
83300	Glyptotendipes (G.) sp		4						
83840	Microtendipes pedellus group		4						

No. Quantitative Taxa:	35	Total Taxa:	52
No. Qualitative Taxa:	31	ICI:	26
Number of Organisms:	2959	Qual EPT:	10

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

Site:				Subsample:		Collector:	
Collection Date: 10/12/2011		River Code: 19-001		River: Cuyahoga River		RM:	8.60
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	+				
03600	Oligochaeta	T	21 +				
05800	Caecidotea sp	MT	1 +				
06700	Crangonyx sp	MT	1 +				
06810	Gammarus fasciatus	F	3 +				
11120	Baetis flavistriga	F	+				
11130	Baetis intercalaris	F	2 +				
13570	Stenonema terminatum	MI	1 +				
16700	Tricorythodes sp	MI	+				
21200	Calopteryx sp	F	+				
21300	Hetaerina sp	F	+				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
52200	Cheumatopsyche sp	F	3 +				
52430	Ceratopsyche morosa group	MI	1 +				
52530	Hydropsyche depravata group	F	+				
52560	Hydropsyche orris	MI	1 +				
59407	Nectopsyche candida	MI	+				
65800	Berosus sp	MT	+				
68901	Macronychus glabratus	MI	2 +				
69400	Stenelmis sp	F	+				
74100	Simulium sp	F	7 +				
77750	Hayesomyia senata or Thienemannimyia norena	F	+				
80400	Cricotopus sp		1				
80420	Cricotopus (C.) bicinctus	MT	+				
82141	Thienemanniella xena	F	1				
84300	Phaenopsectra obediens group	F	+				
84450	Polypedilum (Uresipedilum) flavum	F	1				
84520	Polypedilum (Tripodura) halterale group	F	7				
85625	Rheotanytarsus sp	MI	+				
No. Quantitative Taxa: 15		Total Taxa: 30					
No. Qualitative Taxa: 26		ICI: 14					
Number of Organisms: 53		Qual EPT: 9					
QCTV:		36.3					

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

Site:				Subsample:		Collector:	
Collection Date: 10/11/2011		River Code: 19-001		River: Cuyahoga River		RM: 10.10	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
03600	Oligochaeta	T	+				
05800	Caecidotea sp	MT	+				
06700	Crangonyx sp	MT	+				
06810	Gammarus fasciatus	F	+				
11130	Baetis intercalaris	F	+				
13570	Stenonema terminatum	MI	+				
16700	Tricorythodes sp	MI	+				
17200	Caenis sp	F	+				
21200	Calopteryx sp	F	+				
21300	Hetaerina sp	F	+				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
23909	Boyeria vinosa	F	+				
42700	Belostoma sp	F	+				
50301	Chimarra aterrima	MI	+				
52200	Cheumatopsyche sp	F	+				
52430	Ceratopsyche morosa group	MI	+				
52450	Ceratopsyche sparna	MI	+				
52560	Hydropsyche orris	MI	+				
59407	Nectopsyche candida	MI	+				
68601	Ancyronyx variegata	MI	+				
68901	Macronychus glabratus	MI	+				
69400	Stenelmis sp	F	+				
71900	Tipula sp	F	+				
74100	Simulium sp	F	+				
77120	Ablabesmyia mallochi	F	+				
77800	Helopelopia sp	F	+				
78140	Labrundinia pilosella	MI	+				
82820	Cryptochironomus sp	F	+				
84470	Polypedilum (P.) illinoense	T	+				
84520	Polypedilum (Tripodura) halterale group	F	+				
84540	Polypedilum (Tripodura) scalaenum group	F	+				
84612	Saetheria tylus	MI	+				
85400	Micropsectra sp	X F	+				
85800	Tanytarsus sp	MI	+				
				No. Quantitative Taxa: 0 Total Taxa: 35 No. Qualitative Taxa: 35 ICI: Number of Organisms: 0 Qual EPT: 10 QCTV: 36.9			

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

Site:				Subsample:		Collector:	
Collection Date: 10/11/2011		River Code: 19-001		River: Cuyahoga River		RM: 10.75	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01320	Hydra sp	F	1	84520	Polypedilum (Tripodura) halterale group	F	+
01801	Turbellaria	F	16 +	84540	Polypedilum (Tripodura) scalaenum group	F	2 +
03600	Oligochaeta	T	224	85625	Rheotanytarsus sp	MI	5
04964	Mooreobdella microstoma	T	+	85800	Tanytarsus sp	MI	5
05800	Caecidotea sp	MT	+	87540	Hemerodromia sp	F	8
06700	Crangonyx sp	MT	4 +	95501	Planorbidae	MT	1
06810	Gammarus fasciatus	F	+	99700	Potamilus alatus	MI	+
11130	Baetis intercalaris	F	4 +				
13570	Stenonema terminatum	MI	6 +	No. Quantitative Taxa: 32		Total Taxa: 47	
16700	Tricorythodes sp	MI	+	No. Qualitative Taxa: 28		ICI: 30	
17200	Caenis sp	F	+	Number of Organisms: 2138		Qual EPT: 9	
21200	Calopteryx sp	F	+	QCTV: 35.7			
22001	Coenagrionidae	MT	+				
23909	Boyeria vinosa	F	+				
45100	Palmacorixa sp	F	+				
50301	Chimarra aterrima	MI	+				
52200	Cheumatopsyche sp	F	852 +				
52431	Ceratopsyche morosa	MI	329 +				
52450	Ceratopsyche sparna	MI	38				
52530	Hydropsyche depravata group	F	3				
52560	Hydropsyche orris	MI	189 +				
59407	Nectopsyche candida	MI	+				
65800	Berosus sp	MT	+				
68601	Ancyronyx variegata	MI	36 +				
68901	Macronychus glabratus	MI	137				
69400	Stenelmis sp	F	21 +				
70600	Antocha sp	MI	1				
71900	Tipula sp	F	1 +				
74100	Simulium sp	F	32 +				
77500	Conchapelopia sp	F	2				
77750	Hayesomyia senata or Thienemannimyia norena	F	94				
77800	Helopelopia sp	F	9				
80430	Cricotopus (C.) tremulus group	F	2				
81650	Parametricnemus sp	X MI	2				
82141	Thienemanniella xena	F	7				
82220	Tvetenia discoloripes group	I	7				
82710	Chironomus (C.) sp	T	+				
83300	Glyptotendipes (G.) sp	MT	2				
84300	Phaenopsectra obediens group	F	2				
84450	Polypedilum (Uresipedilum) flavum	F	96 +				

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

Site:				Subsample:		Collector:	
Collection Date: 10/11/2011		River Code: 19-001		River: Cuyahoga River		RM: 11.30	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	33 +	84612	Saetheria tylus	MI	+
03600	Oligochaeta	T	66 +	85625	Rheotanytarsus sp	MI	65 +
04962	Mooreobdella fervida	T	1	85800	Tanytarsus sp	MI	10 +
05800	Caecidotea sp	MT	+	87540	Hemerodromia sp	F	16
06700	Crangonyx sp	MT	+	96900	Ferrissia sp	F	+
06810	Gammarus fasciatus	F	+	97601	Corbicula fluminea	MI	16
11130	Baetis intercalaris	F	54 +				
13570	Stenonema terminatum	MI	48 +	No. Quantitative Taxa: 29		Total Taxa: 45	
16700	Tricorythodes sp	MI	+	No. Qualitative Taxa: 32		ICI: 36	
17200	Caenis sp	F	+	Number of Organisms: 2845		Qual EPT: 8	
21200	Calopteryx sp	F	+	QCTV:		37.2	
21300	Hetaerina sp	F	+				
22001	Coenagrionidae	MT	+				
22300	Argia sp	F	+				
25600	Stylurus sp	MI	+				
28500	Libellula sp	T	+				
52200	Cheumatopsyche sp	F	1210 +				
52430	Ceratopsyche morosa group	MI	341 +				
52450	Ceratopsyche sparna	MI	17				
52530	Hydropsyche depravata group	F	1				
52560	Hydropsyche orris	MI	163 +				
59407	Nectopsyche candida	MI	+				
68075	Psephenus herricki	MI	1				
68601	Ancyronyx variegata	MI	83 +				
68901	Macronychus glabratus	MI	216 +				
69400	Stenelmis sp	F	116 +				
71900	Tipula sp	F	+				
74100	Simulium sp	F	16 +				
77750	Hayesomyia senata or Thienemannimyia norena	F	76				
77800	Helopelopia sp	F	30 +				
79100	Thienemannimyia group	F	20				
80420	Cricotopus (C.) bicinctus	MT	5				
82141	Thienemanniella xena	F	+				
82220	Tvetenia discoloripes group	I	10				
83840	Microtendipes pedellus group	MI	5				
84450	Polypedilum (Uresipedilum) flavum	F	181 +				
84460	Polypedilum (P.) fallax group	F	5				
84470	Polypedilum (P.) illinoense	T	10				
84540	Polypedilum (Tripodura) scalaenum group	F	30 +				

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

Site:				Subsample:		Collector:	
Collection Date: 10/11/2011		River Code: 19-001		River: Cuyahoga River		RM: 12.10	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.
01801	Turbellaria	F	9	84460	Polypedilum (P.) fallax group	F	7
03600	Oligochaeta	T	5 +	84520	Polypedilum (Tripodura) halterale group	F	50 +
04664	Helobdella stagnalis	T	1	84540	Polypedilum (Tripodura) scalaenum group	F	14
05800	Caecidotea sp	MT	5 +	85625	Rheotanytarsus sp	MI	11 +
06700	Crangonyx sp	MT	+	85821	Tanytarsus glabrescens group sp 7	MI	4
06810	Gammarus fasciatus	F	5 +	85840	Tanytarsus sepp	MI	7 +
08601	Hydracarina	F	8	87540	Hemerodromia sp	F	8
11120	Baetis flavistriga	F	+	95100	Physella sp	T	+
11130	Baetis intercalaris	F	22 +	96900	Ferrissia sp	F	8
13570	Stenonema terminatum	MI	68 +	97601	Corbicula fluminea	MI	+
16700	Tricorythodes sp	MI	+				
21200	Calopteryx sp	F	+	No. Quantitative Taxa: 33		Total Taxa: 49	
21300	Hetaerina sp	F	+	No. Qualitative Taxa: 30		ICI: 36	
22001	Coenagrionidae	MT	+	Number of Organisms: 1623		Qual EPT: 8	
22300	Argia sp	F	+	QCTV: 36.1			
24600	Arigomphus sp	F	+				
26700	Macromia sp	F	+				
28208	Erythemis simplicicollis	MT	+				
50301	Chimarra aterrima	MI	+				
52200	Cheumatopsyche sp	F	651 +				
52430	Ceratopsyche morosa group	MI	151 +				
52560	Hydropsyche orris	MI	30				
59407	Nectopsyche candida	MI	+				
64050	Liodessus sp	MT	+				
68601	Ancyronyx variegata	MI	60				
68901	Macronychus glabratus	MI	139 +				
69400	Stenelmis sp	F	112 +				
74100	Simulium sp	F	8 +				
77500	Conchapelopia sp	F	7				
77750	Hayesomyia senata or Thienemannimyia norena	F	107				
77800	Helopelopia sp	F	11				
78450	Nilotanypus fimbriatus	MI	4				
80350	Corynoneura sp	MI	8				
80420	Cricotopus (C.) bicinctus	MT	+				
81825	Rheocricotopus (Psilocricotopus) robacki	MI	4				
82220	Tvetenia discoloripes group	I	7				
82820	Cryptochironomus sp	F	11 +				
83300	Glyptotendipes (G.) sp	MT	7				
84450	Polypedilum (Uresipedilum) flavum	F	74				

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

Site ID:11Q105		Collection Date: 10/11/2011		River Code:19-001		River: Cuyahoga River		RM: 16.20	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.		
01801	Turbellaria	F	9 +		group				
03360	Plumatella sp	F	+	85615	Rheotanytarsus pellucidus	MI	6 +		
03600	Oligochaeta	T	32 +	85625	Rheotanytarsus sp	MI	27		
04960	Mooreobdella sp	T	+	85840	Tanytarsus sepp	MI	2 +		
05800	Caecidotea sp	MT	+	87540	Hemerodromia sp	F	16 +		
06700	Crangonyx sp	MT	+	97601	Corbicula fluminea	MI	+		
06810	Gammarus fasciatus	F	+						
08250	Orconectes (Procericambarus) rusticus	F	+	No. Quantitative Taxa: 30		Total Taxa: 46			
08601	Hydracarina	F	8 +	No. Qualitative Taxa: 36		ICI: 40			
11130	Baetis intercalaris	F	61 +	Number of Organisms: 4573		Qual EPT: 8			
13570	Stenonema terminatum	MI	125 +						
21300	Hetaerina sp	F	+						
22300	Argia sp	F	+						
23501	Aeshnidae		+						
30000	Plecoptera		1						
50301	Chimarra aterrima	MI	4 +						
50315	Chimarra obscura	MI	8						
52200	Cheumatopsyche sp	F	2846 +						
52430	Ceratopsyche morosa group	MI	654 +						
52450	Ceratopsyche sparna	MI	124 +						
52530	Hydropsyche depravata group	F	1 +						
52560	Hydropsyche orris	MI	168						
59407	Nectopsyche candida	MI	+						
65800	Berosus sp	MT	+						
68601	Ancyronyx variegata	MI	115						
68901	Macronychus glabratus	MI	118 +						
69400	Stenelmis sp	F	16 +						
69930	Lampyridae		+						
74100	Simulium sp	F	119 +						
77750	Hayesomyia senata or Thienemannimyia norena	F	17						
78450	Nilotanypus fimbriatus	MI	3						
80310	Cardiocladius obscurus	MI	3 +						
81231	Nanocladius (N.) crassicornus or N. (N.) "rectinervis"	F	2 +						
81650	Parametriocnemus sp	X	MI 2						
82100	Thienemanniella sp	F	2 +						
82220	Tvetenia discoloripes group	I	11						
82820	Cryptochironomus sp	F	+						
83000	Dicrotendipes sp	F	2						
84450	Polypedilum (Uresipedilum) flavum	F	71 +						
84520	Polypedilum (Tripodura) halterale group	F	+						
84540	Polypedilum (Tripodura) scalaenum	F	+						

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

Site ID:11Q181		Collection Date: 10/10/2011		River Code19-001		River: Cuyahoga River		RM: 17.30	
Taxa Code	Taxa	CWH Tol.	Qt./Ql.	Taxa Code	Taxa	CWH Tol.	Qt./Ql.		
01801	Turbellaria		16	85625	Rheotanytarsus sp		48		
01900	Nemertea		6	85821	Tanytarsus glabrescens group sp 7		4		
03600	Oligochaeta	T	49 +	87540	Hemerodromia sp		8		
05800	Caecidotea sp		8	95100	Physella sp	T	+		
06810	Gammarus fasciatus		1 +						
08601	Hydracarina		+	No. Quantitative Taxa: 34		Total Taxa: 44			
11130	Baetis intercalaris		42 +	No. Qualitative Taxa: 23		ICI: 40			
13570	Stenonema terminatum		82 +	Number of Organisms: 2228		Qual EPT: 7			
21200	Calopteryx sp		+						
21300	Hetaerina sp		+						
23909	Boyeria vinosa		+						
50301	Chimarra aterrima		24 +						
50315	Chimarra obscura		2						
52200	Cheumatopsyche sp		793 +						
52430	Ceratopsyche morosa group		467 +						
52450	Ceratopsyche sparna		19						
52530	Hydropsyche depravata group		1						
52560	Hydropsyche orris		114 +						
59407	Nectopsyche candida		+						
68075	Psephenus herricki		1						
68601	Ancyronyx variegata		35						
68901	Macronychus glabratus		99						
69400	Stenelmis sp		55 +						
70600	Antocha sp		8						
71900	Tipula sp		1						
74100	Simulium sp		18 +						
77750	Hayesomyia senata or Thienemannimyia norena		96 +						
78450	Nilotanypus fimbriatus		4						
80310	Cardiocladius obscurus		9						
80420	Cricotopus (C.) bicinctus	T	+						
80430	Cricotopus (C.) tremulus group		+						
81825	Rheocricotopus (Psilocricotopus) robacki		9						
82201	Tvetenia sp		4						
82820	Cryptochironomus sp		9						
83300	Glyptotendipes (G.) sp		22						
84450	Polypedilum (Uresipedilum) flavum		148						
84520	Polypedilum (Tripodura) halterale group		9 +						
84540	Polypedilum (Tripodura) scalaenum group		+						
84612	Saetheria tylus		+						
85615	Rheotanytarsus pellucidus		17 +						