

NEORS - 2006 MACROINVERTEBRATE STUDY
ICI METRICS AND SCORES

L O C A T I O N	D R I V E	I C I T O M S	T U X S C O R E	M A S S C O U N T	C A T E G O R Y	D I S T R I B U T I O N	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T	P E R C E N T		
CR9.8	SEP06	744.0	34	3332	20	2	0	5	4	9	4	3.9	2	68.2	6	7.7	2	18.3	6	0.5	6	6	2	
CR10.5	SEP06	744.0	28	352	25	4	3	2	3	4	16	6	14.5	4	14.5	2	15.9	4	50.3	0	13.6	0	7	2
CR11.0	SEP06	743.0	38	2303	23	4	2	0	4	4	13	6	14.7	4	44.9	6	9.7	2	25.8	4	1.4	6	6	2
CR11.7	SEP06	710.0	28	397	32	4	5	2	5	4	15	6	15.6	4	23.7	4	6.0	2	43.3	0	11.8	0	7	2
CR16.8	SEP06	597.0	30	2330	22	2	2	0	4	4	9	2	5.2	2	55.7	6	9.6	2	26.7	4	0.7	6	9	2

CR9.8 = RM 10.10
 CR10.5 = RM 10.30
 CR11.0 = RM 10.75
 CR11.7 = RM 11.50
 CR16.8 = RM 16.20

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 CR11.7 = RM 11.50
 CR16.8 = RM 16.20

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLE AT LOCATION CUYAHOGA RIVER (CR9.8), SEPTEMBER 2006.

TAXA	SEPTEMBER			
	HESTER		QUAL	
	#	%	#	%
Turbellaria	--	--	1	1.45
Caecidotea	--	--	2	2.90
Gammarus	--	--	2	2.90
Baetis intercalaris	17	0.51	7	10.14
Baetis flavistriga	--	--	2	2.90
Maccaffertium terminatum	112	3.36	6	8.70
Cheumatopsyche	1617	48.53	22	31.88
Hydropsyche orris	80	2.40	--	--
Hydropsyche dicantha	32	0.96	1	1.45
Ceratopsyche morosa	496	14.89	7	10.14
Ceratopsyche sparna	48	1.44	--	--
Ancyronyx variegata	16	0.48	--	--
Macronychus glabratus	32	0.96	--	--
Stenelmis	17	0.51	6	8.70
Ablabesmyia mallochii	16	0.48	--	--
Thienemannimyia grp.	96	2.88	--	--
Cardiocladius	--	--	1	1.45
Cricotopus tremulus grp.	--	--	2	2.90
Cricotopus bicinctus grp.	--	--	1	1.45
Eukiefferiella claripennis grp.	--	--	1	1.45
Glyptotendipes	16	0.48	--	--
Polypedilum fallax grp.	16	0.48	--	--
Polypedilum flavum	368	11.04	1	1.45
Polypedilum halterale grp.	--	--	1	1.45
Rheotanytarsus	240	7.20	1	1.45
Tanytarsus guerlus grp.	16	0.48	--	--
Simulium	80	2.40	2	2.90
Hemerodromia	16	0.48	--	--
Corbicula fluminea	1	0.03	3	4.35
TOTAL	3332	100.00	69	100.00
TOTAL TAXA	20		19	

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLE AT LOCATION CUYAHOGA RIVER (CR10.5), SEPTEMBER 2006.

TAXA	SEPTEMBER			
	HESTER		QUAL	
	#	%	#	%
Turbellaria	--	--	3	3.90
Plumatella	--	--	1	1.30
Oligochaeta	--	--	2	2.60
Caecidotea	2	0.57	1	1.30
Gammarus	23	6.53	7	9.09
Baetis intercalaris	20	5.68	2	2.60
Baetis flavistriga	--	--	1	1.30
Maccaffertium integrum	--	--	2	2.60
Maccaffertium terminatum	25	7.10	2	2.60
Tricorythodes	6	1.70	5	6.49
Argia	--	--	1	1.30
Boyeria vinosa	--	--	1	1.30
Rhagovelia	--	--	2	2.60
Cheumatopsyche	37	10.51	23	29.87
Ceratopsyche morosa	12	3.41	2	2.60
Ceratopsyche sparna	2	0.57	--	--
Ancyronyx variegata	--	--	4	5.19
Macronychus glabratus	17	4.83	4	5.19
Stenelmis	--	--	4	5.19
Thienemannimyia grp.	14	3.98	1	1.30
Cricotopus bicinctus grp.	2	0.57	--	--
Cricotopus sylvestris grp.	2	0.57	--	--
Rheocricotopus robacki	2	0.57	--	--
Tvetenia discoloripes grp.	2	0.57	--	--
Dicrotendipes neomodestus	2	0.57	--	--
Glyptotendipes	--	--	1	1.30
Phaenopsectra obediens grp.	2	0.57	--	--
Polypedilum flavum	54	15.34	5	6.49
Polypedilum illinoense	44	12.50	--	--
Polypedilum scalaenum grp.	4	1.14	--	--
Paratanytarsus	2	0.57	--	--
Rheotanytarsus	50	14.20	1	1.30
Tanytarsus glabrescens grp.	2	0.57	--	--
Tanytarsus guerlus grp.	2	0.57	--	--
Simulium	22	6.25	1	1.30
Hemerodromia	2	0.57	--	--
Dreissena polymorpha	--	--	1	1.30
TOTAL	352	100.00	77	100.00
TOTAL TAXA	25		24	

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLE AT LOCATION CUYAHOGA RIVER (CR11.0), SEPTEMBER 2006.

TAXA	SEPTEMBER			
	HESTER		QUAL	
	#	%	#	%
Oligochaeta	--	--	1	1.35
Erpobdella punctata punctata	--	--	1	1.35
Gammarus	1	0.04	--	--
Baetis intercalaris	105	4.56	5	6.76
Baetis flavistriga	--	--	1	1.35
Maccaffertium terminatum	234	10.16	11	14.86
Cheumatopsyche	768	33.35	10	13.51
Hydropsyche bidens	8	0.35	--	--
Ceratopsyche morosa	249	10.81	14	18.92
Ceratopsyche sparna	8	0.35	2	2.70
Ancyronyx variegata	17	0.74	--	--
Macronychus glabratus	48	2.08	--	--
Stenelmis	48	2.08	4	5.41
Thienemannimyia grp.	72	3.13	--	--
Cricotopus tremulus grp.	8	0.35	3	4.05
Cricotopus bicinctus grp.	--	--	4	5.41
Rheocricotopus robacki	40	1.74	--	--
Tvetenia discoloripes grp.	32	1.39	--	--
Cryptochironomus	--	--	5	6.76
Glyptotendipes	8	0.35	--	--
Polypedilum fallax grp.	16	0.69	--	--
Polypedilum flavum	328	14.24	5	6.76
Polypedilum illinoense	16	0.69	--	--
Polypedilum scalaenum grp.	8	0.35	1	1.35
Paratanytarsus	8	0.35	--	--
Rheotanytarsus	208	9.03	1	1.35
Tanytarsus guerlus grp.	8	0.35	--	--
Simulium	65	2.82	5	6.76
Corbicula fluminea	--	--	1	1.35
TOTAL	2303	100.00	74	100.00
TOTAL TAXA	23		17	

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLE AT LOCATION CUYAHOGA RIVER (CR11.7), SEPTEMBER 2006.

TAXA	SEPTEMBER			
	HESTER		QUAL	
	#	%	#	%
Turbellaria	--	--	2	3.17
Oligochaeta	25	6.30	3	4.76
Mooreobdella microstoma	--	--	1	1.59
Caecidotea	2	0.50	--	--
Gammarus	27	6.80	--	--
Baetis intercalaris	9	2.27	3	4.76
Baetis flavistriga	12	3.02	1	1.59
Leucrocota	--	--	1	1.59
Maccaffertium integrum	2	0.50	--	--
Maccaffertium terminatum	33	8.31	7	11.11
Tricorythodes	6	1.51	--	--
Enallagma	--	--	1	1.59
Chimarra	2	0.50	--	--
Cyrnellus fraternus	4	1.01	--	--
Cheumatopsyche	72	18.14	17	26.98
Hydropsyche depravata grp.	2	0.50	--	--
Ceratopsyche morosa	14	3.53	9	14.29
Ceratopsyche sparna	--	--	1	1.59
Ancyronyx variegata	2	0.50	1	1.59
Macronychus glabratus	39	9.82	--	--
Stenelmis	4	1.01	2	3.17
Ablabesmyia mallochi	2	0.50	--	--
Thienemannimyia grp.	38	9.57	--	--
Cricotopus bicinctus grp.	8	2.02	--	--
Rheocricotopus robacki	--	--	1	1.59
Chironomus	4	1.01	1	1.59
Cryptochironomus	2	0.50	--	--
Dicrotendipes neomodestus	4	1.01	--	--
Glyptotendipes	8	2.02	--	--
Polypedilum fallax grp.	4	1.01	--	--
Polypedilum flavum	30	7.56	5	7.94
Polypedilum illinoense	6	1.51	--	--
Polypedilum scalaenum grp.	8	2.02	--	--
Stenochironomus	2	0.50	--	--
Paratanytarsus	2	0.50	--	--
Rheotanytarsus	20	5.04	--	--
Tanytarsus guerlus grp.	2	0.50	--	--
Simulium	--	--	4	6.35
Ferrissia	--	--	1	1.59
Corbicula fluminea	2	0.50	2	3.17
TOTAL	397	100.00	63	100.00
TOTAL TAXA	32		19	

TAXA COMPOSITION, NUMBER, AND PERCENT OF ORGANISMS COLLECTED IN THE HESTER-DENDY AND QUALITATIVE SAMPLE AT LOCATION CUYAHOGA RIVER (CR16.8), SEPTEMBER 2006.

TAXA	SEPTEMBER			
	HESTER		QUAL	
	#	%	#	%
Turbellaria	2	0.09	4	4.35
Plumatella	1	0.04	1	1.09
Gammarus	9	0.39	4	4.35
Baetis intercalaris	56	2.40	4	4.35
Leucrocota	--	--	1	1.09
Maccaffertium terminatum	66	2.83	3	3.26
Tricorythodes	--	--	2	2.17
Hetaerina	1	0.04	1	1.09
Enallagma	--	--	4	4.35
Boyeria grafiana	1	0.04	--	--
Limnoperus	--	--	1	1.09
Rhagovelia	--	--	3	3.26
Cheumatopsyche	1040	44.64	18	19.57
Hydropsyche depravata grp.	56	2.40	1	1.09
Hydropsyche dicantha	8	0.34	3	3.26
Hydropsyche bidens	--	--	1	1.09
Ceratopsyche morosa	193	8.28	12	13.04
Ancyronyx variegata	--	--	3	3.26
Macronychus glabratus	56	2.40	7	7.61
Stenelmis	8	0.34	2	2.17
Thienemannimyia grp.	32	1.37	--	--
Thienemanniella xena	8	0.34	--	--
Rheocricotopus robacki	8	0.34	--	--
Tvetenia discoloripes grp.	16	0.69	--	--
Polypedilum flavum	464	19.91	3	3.26
Polypedilum illinoense	16	0.69	1	1.09
Rheotanytarsus	224	9.61	4	4.35
Simulium	64	2.75	8	8.70
Hemerodromia	1	0.04	--	--
Musculium	--	--	1	1.09
TOTAL	2330	100.00	92	100.00
TOTAL TAXA	22		24	