

ANNEX XIII: APPENDIX E1

BENTHIC INVERTEBRATE TAXONOMY DATA, 2013



Tables

Table E1-1	Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013	1
Table E1-2	Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013	141
Table E1-3	Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September, 2013	147

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Aa-1									
								27-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-1	6572.11-1	6572.03-2	6572.11-2	6572.03-3	6572.11-3	6572.03-4	6572.11-4	6572.03-5	6572.11-5
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	2	0	0	1	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinaiis uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	3	1	0	0	0	0	9	4	5	1
					<i>Pisidium</i> sp.	103	81400	0	0	1	0	0	0	4	0	1	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Aa-1									
								27-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-1 1 mm	6572.11-1 500 µm	6572.03-2 1 mm	6572.11-2 500 µm	6572.03-3 1 mm	6572.11-3 500 µm	6572.03-4 1 mm	6572.11-4 500 µm	6572.03-5 1 mm	6572.11-5 500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	9	1	8	1	8	0	7	0	10	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

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Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Aa-1											
								27-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.03-1	6572.11-1	6572.03-2	6572.11-2	6572.03-3	6572.11-3	6572.03-4	6572.11-4	6572.03-5	6572.11-5		
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm										
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	0	0	0	0	0	0	0	1	4	0	1	1
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0

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Part A																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Aa-1										
								27-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.03-1	6572.11-1	6572.03-2	6572.11-2	6572.03-3	6572.11-3	6572.03-4	6572.11-4	6572.03-5	6572.11-5	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	1	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
	Procladiini	<i>Procladius</i> sp.	799	128277	1	1	0	1	1	0	5	3	2	6				
	Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0		
Total								13	3	9	4	9	0	27	12	18	8	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Aa-2									
								27-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-6 1 mm	6572.11-6 500 µm	6572.03-7 1 mm	6572.11-7 500 µm	6572.03-8 1 mm	6572.11-8 500 µm	6572.03-9 1 mm	6572.11-9 500 µm	6572.03-10 1 mm	6572.11-10 500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	1	0	0	0	0	0	0	5	3
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	1	0	0	1	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	1	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	3	0	2	1	2	0	0	0	0	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	1	0	9	0	1	0	5	0	2
					<i>Valvata lewisi</i>	1175	70359	9	0	21	0	2	0	13	0	6	0
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	23	10	43	39	8	1	16	5	11	3
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	7	0	12	0	1	0	1	0	2	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	2	0	1	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

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Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Aa-2									
								27-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-6 1 mm	6572.11-6 500 µm	6572.03-7 1 mm	6572.11-7 500 µm	6572.03-8 1 mm	6572.11-8 500 µm	6572.03-9 1 mm	6572.11-9 500 µm	6572.03-10 1 mm	6572.11-10 500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	1	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	2	6	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
		—	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
					—	926	129229	0	0	0	1	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	3	0	0	0	1	0	1	1	5	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	5	0	0	0	1	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	1	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	10	9	1	27	5	3	12	0	12	4

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Aa-2										
								27-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.03-6	6572.11-6	6572.03-7	6572.11-7	6572.03-8	6572.11-8	6572.03-9	6572.11-9	6572.03-10	6572.11-10	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm									
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	1	0	0	2	0	0	0	1	0	1	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	8	2	0	9	4	0	0	1	2	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	13	4	13	17	3	1	6	2	0	0	0
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	1	0	0	1	3	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	2	0	2	1	1	0	7	0	10	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	2	2	0	1	3	1	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	4	3	4	27	7	0	16	6	18	1	1	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	15	5	1	11	6	3	10	2	12	16	16	
				<i>Micropsectra</i> sp.	1054	129890	8	2	0	40	2	0	4	1	0	1	1	
				<i>Corynocera</i> sp.	2297	129887	9	4	1	17	0	0	8	1	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	
				Protanytarpini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	1	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	14	2	0	32	4	4	2	0	6	4	4

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Aa-2										
								27-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.03-6	6572.11-6	6572.03-7	6572.11-7	6572.03-8	6572.11-8	6572.03-9	6572.11-9	6572.03-10	6572.11-10	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0		
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0		
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0		
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0		
					<i>Orthocladius</i> complex	1031	n/a	1	0	0	0	1	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	1	2	0	0	0	0	1	2	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	1	0	1	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	2	2	0	0	1	0	1	3	0	1	1
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	4	0	2	5	2	0	8	0	7	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	3	0	3	10	2	1	3	0	12	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	16	11	11	38	0	1	13	2	10	3	3	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total							161	65	123	292	56	17	124	31	123	41		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Aa-6									
								27-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-11	6572.11-11	6572.03-12	6572.11-12	6572.03-13	6572.11-13	6572.03-14	6572.11-14	6572.03-15	6572.11-15
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	25	0	1	0	2	4	1	0	10	1
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	1	0	0	0	0	0	0	0	1	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	1	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	4	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	8	0	1	0	0	0	0	0	1	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	10	3	8	3	15	8	0	0	7	6
					<i>Pisidium</i> sp.	103	81400	2	0	2	0	4	0	0	0	2	0
					<i>Sphaerium</i> sp.	104	81391	2	0	0	0	1	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Aa-6									
								27-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-11	6572.11-11	6572.03-12	6572.11-12	6572.03-13	6572.11-13	6572.03-14	6572.11-14	6572.03-15	6572.11-15
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	1	2	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	3	0	0	0	4	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	2	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	1	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	9	0	0	1	0	5	0	0	3	1

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage												
								Station Aa-6												
								27-Aug-13												
								Rep A		Rep B		Rep C		Rep D		Rep E				
								6572.03-11	6572.11-11	6572.03-12	6572.11-12	6572.03-13	6572.11-13	6572.03-14	6572.11-14	6572.03-15	6572.11-15			
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm			
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	3	0	0	0	0	0	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	1	2	2	1	0	0	0	2	0	
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Stictochironomus</i> sp.	996	129785	15	0	6	1	10	3	4	0	15	0	0	0	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Dicrotendipes lobiger</i>	8226	129443	3	0	0	0	0	0	0	0	0	0	0	0	
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	
				Tanytarsini	—	1003	129872	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	1	1	0	0	0	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	11	2	0	2	5	5	0	0	1	1	0	0	
					<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Tanytarsus</i> sp.	1029	129978	15	3	0	1	6	5	0	0	3	1	0	0	
					<i>Micropsectra</i> sp.	1054	129890	1	2	0	1	0	0	0	0	8	2	0	0	
					<i>Corynocera</i> sp.	2297	129887	2	0	0	0	2	2	0	0	1	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	
			Orthocladiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	4	0	0	

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Aa-6											
								27-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.03-11	6572.11-11	6572.03-12	6572.11-12	6572.03-13	6572.11-13	6572.03-14	6572.11-14	6572.03-15	6572.11-15		
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm		
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0		
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0		
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0		
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0		
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0		
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0		
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0		
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0		
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	1	0	3	0	3	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	5	3	1	0	0	1	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	1	0	0	0	0	0	0	0	0	0	0	0
Procladiini	<i>Procladius</i> sp.	799			128277	14	2	1	0	10	3	0	1	5	0	0			
Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0				
Total								130	23	21	10	63	45	9	1	61	14		
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.

Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).

a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.

b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.

c) Removed from analyses.

EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without; — = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-1									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-16	6572.11-16	6572.03-17	6572.11-17	6572.03-18	6572.11-18	6572.03-19	6572.11-19	6572.03-20	6572.11-20
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	2	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	0	0	0	0	0	2	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	1	0	1
					<i>Valvata lewisi</i>	1175	70359	0	0	2	0	0	0	2	0	3	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	2	1	0	1	0	0	3	1	6	7
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-1									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-16	6572.11-16	6572.03-17	6572.11-17	6572.03-18	6572.11-18	6572.03-19	6572.11-19	6572.03-20	6572.11-20
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	1	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	1	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
 Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-1									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-16	6572.11-16	6572.03-17	6572.11-17	6572.03-18	6572.11-18	6572.03-19	6572.11-19	6572.03-20	6572.11-20
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	1	1	0	0	0	0	1	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	1	0	0	0	0	1	1	1	1
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	1	2	0	5	4	5	3	8	6
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
				<i>Dicrotendipes lobiger</i>	8226	129443	0	1	0	0	0	0	0	0	0	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	1	0	0	0	0	1	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	1	2	0	2	3	1	4	0	2	2	
				<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	1	0	0	0	
			<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0		
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
				Protanytarsini	<i>Protanytarsus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part D																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ab-1										
								26-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.03-16	6572.11-16	6572.03-17	6572.11-17	6572.03-18	6572.11-18	6572.03-19	6572.11-19	6572.03-20	6572.11-20	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	2	1	4	1	
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	2	0	1	0	2	0	2	0	1	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	2	1	0	1	
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	1	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	0	7	0	0	1	2	5	1	4	3	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total								6	14	6	3	13	7	32	11	29	23	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without; — = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-2									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-21	6572.11-21	6572.03-22	6572.11-22	6572.03-23	6572.11-23	6572.03-24	6572.11-24	6572.03-25	6572.11-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	0	0	0	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	1	0	0	1	0		0	1	1
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	5	0	7	1	1	1	2	0	3	1
					<i>Pisidium</i> sp.	103	81400	3	0	0	0	0	0	1	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	1	0	0	0	0	0
Acari	Trombidiformes	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
		Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-2									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-21	6572.11-21	6572.03-22	6572.11-22	6572.03-23	6572.11-23	6572.03-24	6572.11-24	6572.03-25	6572.11-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	2	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	1	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	1	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-2									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-21	6572.11-21	6572.03-22	6572.11-22	6572.03-23	6572.11-23	6572.03-24	6572.11-24	6572.03-25	6572.11-25
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm							
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	2	1	0	0	0	0	0	3	0	3
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	9	4	6	0	1	0	7	2	7	8
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	1	1	0	0	0	0	0	1	0	0
					<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	4	4	1	0	3	0	0	1	0	1
					<i>Micropsectra</i> sp.	1054	129890	0	0	1	1	0	2	0	0	0	9
					<i>Corynocera</i> sp.	2297	129887	3	0	0	0	2	0	0	0	0	3
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	1	0	0	0	0	0	0	0	9

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part E																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ab-2										
								26-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.03-21	6572.11-21	6572.03-22	6572.11-22	6572.03-23	6572.11-23	6572.03-24	6572.11-24	6572.03-25	6572.11-25	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	1	1	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	1	0	0	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	1	0	0	0	1	0	0	0	1	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	3
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	7	3	9	0	0	0	0	2	4	8	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total								37	17	27	2	10	3	10	10	16	46	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-6									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-26	6572.11-26	6572.03-27	6572.11-27	6572.03-28	6572.11-28	6572.03-29	6572.11-29	6572.03-30	6572.11-30
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	1	0	1	0	0	0	1	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	1	0	0	0	0	0	0	0	1	2
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	0	0	5	1	5	0	2	0	27	5
					<i>Pisidium</i> sp.	103	81400	1	0	1	0	0	0	0	0	4	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-6									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-26	6572.11-26	6572.03-27	6572.11-27	6572.03-28	6572.11-28	6572.03-29	6572.11-29	6572.03-30	6572.11-30
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
 Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ab-6									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.03-26	6572.11-26	6572.03-27	6572.11-27	6572.03-28	6572.11-28	6572.03-29	6572.11-29	6572.03-30	6572.11-30
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	1	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	3	0	1	0	0	0	3
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	4	0	2	2	7	3	20	4	5	10
					<i>Pagastiella</i> sp.	1368	129561	1	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
				<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	
				<i>Dicrotendipes lobiger</i>	8226	129443	0	0	2	0	0	0	0	0	0	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	4	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	0	1	3	0	0	0	0	2	9	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	0	0	0	4	1	1	3	1	4	4	
				<i>Micropsectra</i> sp.	1054	129890	0	1	0	1	0	0	0	0	0	21	
			<i>Corynocera</i> sp.	2297	129887	0	0	1	2	3	0	2	0	0	2		
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
				Protanytarsini	<i>Protanytarsus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	1	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	1	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	1	1	3	0	0	0	0	0	3

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ab-6										
								26-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.03-26	6572.11-26	6572.03-27	6572.11-27	6572.03-28	6572.11-28	6572.03-29	6572.11-29	6572.03-30	6572.11-30	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	3	1	1	0	1	0	5	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	2	0	0	0	0	0	4	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	1	0	1	1	0	0	1	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	1	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	1	0	0	0	0	0	0	1	0	1	
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	1	0	3	0	2	0	1	3	13	5	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total								9	7	17	28	20	7	28	11	58	76	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-1									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-1 1 mm	6572.13-1 500 µm	6572.12-2 1 mm	6572.13-2 500 µm	6572.12-3 1 mm	6572.13-3 500 µm	6572.12-4 1 mm	6572.13-4 500 µm	6572.12-5 1 mm	6572.13-5 500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	1	0	0	0	0	1	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	1	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	1	0	0	0	1	0	0	0	0	0
					—	1347	68585	0	1	1	0	0	2	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	1	0	0
					—	6	68440	0	0	0	0	1	0	5	0	0	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	1	0	8	0	11	3	9	0	4	1
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	3	0	1	0	0	0	3	0	1	0
					<i>Sphaerium</i> sp.	104	81391	0	0	1	0	1	0	0	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-1									
								26-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-1 1 mm	6572.13-1 500 µm	6572.12-2 1 mm	6572.13-2 500 µm	6572.12-3 1 mm	6572.13-3 500 µm	6572.12-4 1 mm	6572.13-4 500 µm	6572.12-5 1 mm	6572.13-5 500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	1	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	1	0	0	0	1	0	1	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	3	0	5	0	2	1	3	0	3	1
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	1	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-1										
								26-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-1	6572.13-1	6572.12-2	6572.13-2	6572.12-3	6572.13-3	6572.12-4	6572.13-4	6572.12-5	6572.13-5	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm									
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	1	0	0	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	1	0	2	1	0	
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	13	3	6	3	3	1	14	6	4	2	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	1	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	1	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	1	0	0	0	0	0	1	0	0	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	2	1	0	1	0	0	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	3	5	1	0	0	3	12	0	0	0	3	
				<i>Micropsectra</i> sp.	1054	129890	2	1	0	0	0	1	0	2	0	0	0	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	1	0	0	0	0	0	0
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	1
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	1	0	0	1	1	0	1	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part G																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-1										
								26-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-1	6572.13-1	6572.12-2	6572.13-2	6572.12-3	6572.13-3	6572.12-4	6572.13-4	6572.12-5	6572.13-5	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	4	0	0	0	2	2	5	0	0	
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	1	2	1	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	1	0	3	0	1	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	1	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	1	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	1	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	1	0	2	1	4	3	8	1	0	2	0
			Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
Total								30	21	30	6	29	22	60	19	14	10	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part H								Lac du Sauvage									
								Station Ac-10									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-31	6572.13-31	6572.12-32	6572.13-32	6572.12-33	6572.13-33	6572.12-34	6572.13-34	6572.12-35	6572.13-35
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae Enchytraeidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	1	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	1	0	0	0	5	1
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	0	1	0	0	0	1	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	2	0	0	2	1	3	1	2	1	5
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-10									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-31	6572.13-31	6572.12-32	6572.13-32	6572.12-33	6572.13-33	6572.12-34	6572.13-34	6572.12-35	6572.13-35
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	1	1
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	1	4	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	1	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
		—	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	2	0	0	0	1	0	2	0	2	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	1	0	0	1	0	0	0	0	2

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-10										
								24-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-31	6572.13-31	6572.12-32	6572.13-32	6572.12-33	6572.13-33	6572.12-34	6572.13-34	6572.12-35	6572.13-35	
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	1	0	1	0	1	0	0	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	1	0	0	3	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	22	11	5	2	2	1	8	0	7	3	3
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	4	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	1	0	0	0	0	0	0	0	0	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	1	1	1	0	1	1	0	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	17	10	6	1	6	2	2	1	11	2	2	
				<i>Micropsectra</i> sp.	1054	129890	6	4	0	1	2	0	0	0	5	7	7	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	1	0	0	1	5	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	1	0	0	0	2	4	0	0	3	3	3

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-10										
								24-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-31	6572.13-31	6572.12-32	6572.13-32	6572.12-33	6572.13-33	6572.12-34	6572.13-34	6572.12-35	6572.13-35	
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0		
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0		
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0		
					<i>Zalutschia</i> sp.	924	129213	2	0	0	0	0	0	0	2	0		
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0		
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	3	0	0	0	0	0		
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0		
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0		
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	4	1	2	0	2	4	1	0	2	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	1	2	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	2	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	4	3	0	2	4	0	1	2	2	1	
		Empididae	—	—	—	709	135830	0	0	0	0	1	0	0	0	0	0	
Total							70	41	15	13	25	16	19	6	46	25		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part I

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-11									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-36	6572.13-36	6572.12-37	6572.13-37	6572.12-38	6572.13-38	6572.12-39	6572.13-39	6572.12-40	6572.13-40
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	1	1	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	1	0
					—	1347	68585	0	0	1	0	1	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	2	0	0	0	0	0	1	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	2	0	0	0	2	1	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	8	5	2	0	8	0	8	2	2	2
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	3	0	1	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part I

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-11									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-36	6572.13-36	6572.12-37	6572.13-37	6572.12-38	6572.13-38	6572.12-39	6572.13-39	6572.12-40	6572.13-40
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	1	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	1	0	1
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	1
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Sarcoptiformes	Oribatei	—	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	0	0	0	3	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	1	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part I

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Ac-11											
								19-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.12-36	6572.13-36	6572.12-37	6572.13-37	6572.12-38	6572.13-38	6572.12-39	6572.13-39	6572.12-40	6572.13-40		
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm									
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	1	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	1	0	3	1	0	1	0	0	0	
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	
					<i>Stictochironomus</i> sp.	996	129785	0	11	1	0	21	3	16	7	11	2	2	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	1	1	
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0		
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	1	0	0	2	2	0	2	0	1	1	1	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	1	0	3	0	6	0	1	1	5	1	1	1	
				<i>Micropsectra</i> sp.	1054	129890	1	0	1	0	4	0	2	0	5	0	0	0	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	2	0	1	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	1	0	0	0	2	0	0	0	1	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	1	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part I																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-11										
								19-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-36	6572.13-36	6572.12-37	6572.13-37	6572.12-38	6572.13-38	6572.12-39	6572.13-39	6572.12-40	6572.13-40	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	1	0	1	0	0	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	1	0	2	1	1	0	1	1	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	1	0	0	0	1	0	3	0	1	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	1	3	1	0	7	4	6	0	3	2	
			Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
Total								18	20	12		65	16	42	14	32	14	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part J

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-12									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-41	6572.13-41	6572.12-42	6572.13-42	6572.12-43	6572.13-43	6572.12-44	6572.13-44	6572.12-45	6572.13-45
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	1	1	0	0	0	0
					—	1347	68585	2	1	0	0	0	2	2	0	1	6
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	1	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	1	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	1	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	2	2	1	1	4	4	8	14	3	4
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	1	0	0	0	1	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part J

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-12									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-41	6572.13-41	6572.12-42	6572.13-42	6572.12-43	6572.13-43	6572.12-44	6572.13-44	6572.12-45	6572.13-45
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	1	0	0	0	1	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	4	0	8	0	6	1	8	0	8	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	1	0	0	0	1	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part J

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-12									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-41	6572.13-41	6572.12-42	6572.13-42	6572.12-43	6572.13-43	6572.12-44	6572.13-44	6572.12-45	6572.13-45
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	1	0	0	1	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	2	1	6	1	15	6	9	1	16	4
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
				<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	1	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	1	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	5	1	2	0	7	4	2	2	2	3	
				<i>Micropsectra</i> sp.	1054	129890	6	7	0	0	5	1	2	0	1	1	
			<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0		
Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0			
	Protanytarpini	<i>Protanytus</i> sp.	2230	128431	1	0	0	1	0	1	2	1	0	0			
Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0			
		<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0			
		<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0			
		<i>Heterotrissocladius marcidus</i> gr.	865	n/a	1	2	0	0	2	0	0	0	0	1			

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part J

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-12										
								24-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-41	6572.13-41	6572.12-42	6572.13-42	6572.12-43	6572.13-43	6572.12-44	6572.13-44	6572.12-45	6572.13-45	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	1	0	1	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	1	0	0	0	0	2	2	1	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	1	1	0	1	2	1	1	1	1	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	1	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	6	3	4	1	6	3	6	2	5	0	0
			Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
Total								31	20	23	5	52	31	43	22	40	20	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September, 2013
Part K

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-2									
								25-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-6 1 mm	6572.13-6 500 µm	6572.12-7 1 mm	6572.13-7 500 µm	6572.12-8 1 mm	6572.13-8 500 µm	6572.12-9 1 mm	6572.13-9 500 µm	6572.12-10 1 mm	6572.13-10 500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	1	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	2
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	0	0	1	0	3	0	3	1	0	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	1	1	0	0	3	0	7	1	4	2
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	0	0	0	0	1	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	1	0	0	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September, 2013
Part K

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-2									
								25-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-6 1 mm	6572.13-6 500 µm	6572.12-7 1 mm	6572.13-7 500 µm	6572.12-8 1 mm	6572.13-8 500 µm	6572.12-9 1 mm	6572.13-9 500 µm	6572.12-10 1 mm	6572.13-10 500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	1
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	1	0	10	0	0	0	6
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	1	0	1	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	3	0	1	0	1	0	3	0	2	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	1	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	1	0	0	1	0	0	0	0	1

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September, 2013
Part K

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-2									
								25-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-6	6572.13-6	6572.12-7	6572.13-7	6572.12-8	6572.13-8	6572.12-9	6572.13-9	6572.12-10	6572.13-10
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	1	3	6	1	1	2	0	2	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	1	0	0	0	1	0	4	4	2
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	19	3	7	0	32	1	11	22	36	5
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	1	4	2	0	3	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	1	0	0	0	8	0	6	4	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	1	0	0	0	0	0	0	0	4	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	3	0	0	1	3	1	4	2	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	6	25	8	2	5	1	0	3	12	10	
				<i>Micropsectra</i> sp.	1054	129890	2	20	0	0	6	0	1	9	13	19	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
				Protanytarsini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	1	0	0	0	0	0	1	3	2

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September, 2013
Part K

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-2										
								25-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-6	6572.13-6	6572.12-7	6572.13-7	6572.12-8	6572.13-8	6572.12-9	6572.13-9	6572.12-10	6572.13-10	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	1	0	0	0	0	1	2	2		
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	1	0	0	0	0	0	3	1	1	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	1	1	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	2	0	0	0	1	1	0	1	0	0	
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	3	0	0	1	0	0	3	0	1	
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	1	1	0	5	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	3	1	0	0	9	1	1	9	6	4	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total							40	69	25	4	79	22	34	73	86	63		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part L

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-4									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-11	6572.13-11	6572.12-12	6572.13-12	6572.12-13	6572.13-13	6572.12-14	6572.13-14	6572.12-15	6572.13-15
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	1	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	1	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	1	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	1	0	0	0	0	1	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	1	2	3	4	2	1	6	12	0	0
					<i>Pisidium</i> sp.	103	81400	0	0	1	0	0	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	1	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part L

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-4									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-11	6572.13-11	6572.12-12	6572.13-12	6572.12-13	6572.13-13	6572.12-14	6572.13-14	6572.12-15	6572.13-15
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	1	0	0	0	1	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	1	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part L

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Ac-4											
								19-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.12-11	6572.13-11	6572.12-12	6572.13-12	6572.12-13	6572.13-13	6572.12-14	6572.13-14	6572.12-15	6572.13-15		
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm										
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum scalaenum</i> gr.	983	n/a	1	0	0	0	0	0	0	0	0	0	1	
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	
					<i>Stictochironomus</i> sp.	996	129785	2	3	5	5	1	2	0	8	7	3	3	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0	
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	0	0	1	0	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	1	0	1	0	3	0	0	0	0
					<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	0	4	3	0	1	2	0	4	0	0	1	1
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	
				Protanytarpini	<i>Protanypus</i> sp.	2230	128431	0	0	1	0	0	0	2	0	0	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	1	0	1	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part L																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-4										
								19-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-11	6572.13-11	6572.12-12	6572.13-12	6572.12-13	6572.13-13	6572.12-14	6572.13-14	6572.12-15	6572.13-15	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	1	0	0	0	0	0	0	0	0	0
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	1	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	0	3	1	3	2	0	3	14	0	1	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total								4	14	18	15	7	8	13	42	7	6	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part M

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-5									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-16	6572.13-16	6572.12-17	6572.13-17	6572.12-18	6572.13-18	6572.12-19	6572.13-19	6572.12-20	6572.13-20
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	4	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	0	0	0	0	0	0	0	0	1
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	1	0	0	0	1	2	0	0	1	0
					—	1347	68585	1	0	0	0	1	1	1	0	0	1
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	1	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	2	0	7	2	0	0	0	0	1	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	8	1	0	0	0	1	0	0
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	12	4	25	3	4	3	3	2	4	6
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	1	0	0	0
					<i>Sphaerium</i> sp.	104	81391	1	0	2	0	0	0	0	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part M

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-5									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-16	6572.13-16	6572.12-17	6572.13-17	6572.12-18	6572.13-18	6572.12-19	6572.13-19	6572.12-20	6572.13-20
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	1
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	1	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	1	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	1	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	1	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

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Part M

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-5									
								19-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-16	6572.13-16	6572.12-17	6572.13-17	6572.12-18	6572.13-18	6572.12-19	6572.13-19	6572.12-20	6572.13-20
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	1	6	1	0	0	0	0	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum scalaenum</i> gr.	983	n/a	1	3	1	4	2	1	1	0	1	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	14	1	14	12	5	3	3	2	2	4
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
				<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	1	3	1	3	1	1	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	1	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	8	8	0	1	0	0	2	3	0	5	
				<i>Micropsectra</i> sp.	1054	129890	17	24	1	0	1	7	0	0	0	3	
			<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0		
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	1	0	1	0	0	0	0	0	0
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	2	1	0	0	0	0	0	0	1	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	1	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	3	10	0	0	0	0	0	0	0	1

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part M																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-5										
								19-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-16	6572.13-16	6572.12-17	6572.13-17	6572.12-18	6572.13-18	6572.12-19	6572.13-19	6572.12-20	6572.13-20	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm									
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	1	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	4	5	0	1	0	0	0	0	0	1	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	8	7	2	6	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	3	0	0	0	1	0	0	2	0	2	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	1	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	3	0	0	0	0	1	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	11	9	4	10	1	2	1	1	1	1	0	
		Empididae	—	—	—	709	135830	2	0	1	0	0	0	0	0	0	0	
Total								97	84	67	46	17	21	13	16	13	25	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part N

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-5									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-21	6572.13-21	6572.12-22	6572.13-22	6572.12-23	6572.13-23	6572.12-24	6572.13-24	6572.12-25	6572.13-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	1	0	0	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	1	0	1	0	0	0	0
					—	1347	68585	0	0	1	1	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	0	1	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	1	1	2	0	0	1	1	0	0	2
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	1	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part N

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-5									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-21	6572.13-21	6572.12-22	6572.13-22	6572.12-23	6572.13-23	6572.12-24	6572.13-24	6572.12-25	6572.13-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	2	0	1	0	1	0	2	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part N

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-5										
								24-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-21	6572.13-21	6572.12-22	6572.13-22	6572.12-23	6572.13-23	6572.12-24	6572.13-24	6572.12-25	6572.13-25	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm									
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	1	0	0	0	0	0	0	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	2	0	1	0	0	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	2	1	5	2	2	0	1	0	1	1	1
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	1	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	0	0	3	1	0	0	0	0	0	0	0	
				<i>Micropsectra</i> sp.	1054	129890	0	0	0	1	0	0	0	0	0	0	0	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part N

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-5									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-21	6572.13-21	6572.12-22	6572.13-22	6572.12-23	6572.13-23	6572.12-24	6572.13-24	6572.12-25	6572.13-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	1	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	
			<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0			
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0
				<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	
	Procladiini	<i>Procladius</i> sp.	799	128277	1	2	0	4	2	0	0	0	0	1			
	Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0		
Total								6	6	16	11	6	2	4		3	4
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part O

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-8									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-26	6572.13-26	6572.12-27	6572.13-27	6572.12-28	6572.13-28	6572.12-29	6572.13-29	6572.12-30	6572.13-30
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	1	2	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	1	0	0	1	0	0	1
					—	1347	68585	1	5	0	2	1	3	1	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	1	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	3	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	1	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	5	3	12	5	4	1	13	6	5	1
					<i>Pisidium</i> sp.	103	81400	2	0	0	0	0	0	0	0	2	0
					<i>Sphaerium</i> sp.	104	81391	1	0	0	0	0	0	0	0	1	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part O

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ac-8									
								24-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.12-26	6572.13-26	6572.12-27	6572.13-27	6572.12-28	6572.13-28	6572.12-29	6572.13-29	6572.12-30	6572.13-30
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	1	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	2	0	1	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	2	0	9	0	4	0	4	0	5	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	1	1	0	0	0	1	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part O

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-8										
								24-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-26	6572.13-26	6572.12-27	6572.13-27	6572.12-28	6572.13-28	6572.12-29	6572.13-29	6572.12-30	6572.13-30	
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	1	0	1	0	1	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	9	1	7	3	14	3	1	0	9	5	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	1	
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	1	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	0
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0
				<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	0	0	1	0	0	0	1
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0
				<i>Tanytarsus</i> sp.	1029	129978	1	1	1	6	1	2	0	0	0	0	0	1
				<i>Micropsectra</i> sp.	1054	129890	0	0	4	8	1	1	2	1	0	0	0	0
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0
				Protanytarpini	<i>Protanytus</i> sp.	2230	128431	0	0	2	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	1	2	0	0	1	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part O

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ac-8										
								24-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.12-26	6572.13-26	6572.12-27	6572.13-27	6572.12-28	6572.13-28	6572.12-29	6572.13-29	6572.12-30	6572.13-30	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0		
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0		
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0		
					<i>Zalutschia</i> sp.	924	129213	0	1	0	1	2	2	0	1	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	1	0	0	0	1	1	1	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	4	1	2	3	1	0	1	0	1	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	1	0	1	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	1	0	0	0	0	0	0	0	0
					Procladiini	<i>Procladius</i> sp.	799	128277	1	0	0	5	3	1	5	2	0	0
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total								27	12	43	39	35	19	36	21	24	14	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part P

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-1									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-1 1 mm	6572.15-1 500 µm	6572.14-2 1 mm	6572.15-2 500 µm	6572.14-3 1 mm	6572.15-3 500 µm	6572.14-4 1 mm	6572.15-4 500 µm	6572.14-5 1 mm	6572.15-5 500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	1	0	1	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	1	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	1	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	7	2	0	0	0	0	4	13	1	3
					<i>Pisidium</i> sp.	103	81400	1	0	0	0	1	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part P

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-1									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-1	6572.15-1	6572.14-2	6572.15-2	6572.14-3	6572.15-3	6572.14-4	6572.15-4	6572.14-5	6572.15-5
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	1	1
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	3	0	0	1	1	0	1	0	2
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	1	0	0	0	0	0	1	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part P

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ad-1										
								17-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-1	6572.15-1	6572.14-2	6572.15-2	6572.14-3	6572.15-3	6572.14-4	6572.15-4	6572.14-5	6572.15-5	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm									
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	1	0	1	0	0	0	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	5	1	7	4	0	0	3	11	1	1	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	1	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	1	0	0	0	0	0	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	1	2	6	2	2	0	0	10	0	2		
				<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	
			<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0		
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	1	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	1	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part P

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ad-1										
								17-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-1	6572.15-1	6572.14-2	6572.15-2	6572.14-3	6572.15-3	6572.14-4	6572.15-4	6572.14-5	6572.15-5	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	2	0	1	0	1	0	0	0	3	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	2	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	5	2	8	2	2	0	2	10	4	0	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total							21	17	23	12	7	1	9	46	10	10		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Q

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-2									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-6 1 mm	6572.15-6 500 µm	6572.14-7 1 mm	6572.15-7 500 µm	6572.14-8 1 mm	6572.15-8 500 µm	6572.14-9 1 mm	6572.15-9 500 µm	6572.14-10 1 mm	6572.15-10 500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	3	0	1	0	0	0	4	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	1	1	4	0	3	0	0	1
					—	1347	68585	0	0	0	1	0	1	0	1	1	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	3	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	2	0	2	0	3	0	3	1	4	0
					—	77	69459	0	0	0	0	0	0	0	0	1	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	1	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	2	0	0	0	0	0	0	0
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	11	8	15	6	25	7	21	15	2	3
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	0	0	5	0	4	0	3	0	1	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
					—	126	82754	0	0	0	1	1	0	0	0	0	0
Acari	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	1	0	0	0
					—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Q

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-2									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-6 1 mm	6572.15-6 500 µm	6572.14-7 1 mm	6572.15-7 500 µm	6572.14-8 1 mm	6572.15-8 500 µm	6572.14-9 1 mm	6572.15-9 500 µm	6572.14-10 1 mm	6572.15-10 500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	1	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	13	1	8	1	11	0	5	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	2	14	0	2	0	0	1	1
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	1	0	0	0	0	1	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	1	0	1	0	0	0	0	0	1	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	1	1	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	1	0	1	1	0	1	1	1

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Q

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-2									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-6	6572.15-6	6572.14-7	6572.15-7	6572.14-8	6572.15-8	6572.14-9	6572.15-9	6572.14-10	6572.15-10
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	1	0	1	0	0	0	0	0	1
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	10	0	0	0	1	2	2	3
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	7	3	11	9	25	17	10	9	18	5
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	4	0	0	0	0	0	0	4
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
				<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	
				<i>Dicrotendipes lobiger</i>	8226	129443	0	0	1	0	1	0	0	0	3	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	1	1	0	2	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	1	0	1	0	4	2	0	1	7	5	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	1	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	5	2	21	29	16	41	0	4	23	7	
				<i>Micropsectra</i> sp.	1054	129890	2	3	11	14	8	12	0	1	15	9	
			<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0		
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	1	0	0	0	1	0	0	0	0	0
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	2
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	2	2	2	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part Q

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ad-2										
								17-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-6	6572.15-6	6572.14-7	6572.15-7	6572.14-8	6572.15-8	6572.14-9	6572.15-9	6572.14-10	6572.15-10	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	1	0	0	0	1	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	1	1	0	2	0	0	2	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	3	0	4	4	3	2	2	1	4	2	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	1	1	3	0	1	0	2	1	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	2	0	2	2	2	2
					<i>Larsia</i> sp.	789	128183	0	0	0	1	0	0	0	0	0	1	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	3	1	0	0	1	0	11	1	
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	5	0	
				Procladiini	<i>Procladius</i> sp.	799	128277	3	3	9	5	13	6	2	3	7	3	
		Empididae	—	—	—	709	135830	1	0	0	0	0	0	0	0	0	0	
Total								56	26	126	104	139	111	60	48	117	54	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part R

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-4									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-11	6572.15-11	6572.14-12	6572.15-12	6572.14-13	6572.15-13	6572.14-14	6572.15-14	6572.14-15	6572.15-15
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	11	1	10	1	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	1	0	0	0	0	0
					—	1347	68585	1	1	3	0	0	0	2	1	2	2
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	2	0	6	0	5	0	0	0	2	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	1	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	3	1	5	1	1	2	0	0	3	2
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	11	3	17	9	14	7	2	0	4	5
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	2	0	4	0	2	0	1	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part R

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ad-4									
								17-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-11	6572.15-11	6572.14-12	6572.15-12	6572.14-13	6572.15-13	6572.14-14	6572.15-14	6572.14-15	6572.15-15
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	1	0	0	1	3	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	1	0	1	0	3	0	1	0	1
					<i>Piona</i> sp.	3102	83350	2	0	0	0	0	0	0	1	3	2
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	18	1	180	4	0	0	0	2	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	1	0	0	0	1	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	6	0	13	2	4	1	0	0	19	1
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	1	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	2	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	1	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part R

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ad-4										
								17-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-11	6572.15-11	6572.14-12	6572.15-12	6572.14-13	6572.15-13	6572.14-14	6572.15-14	6572.14-15	6572.15-15	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm			
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	3	0	1	0	0	0	0	1	0	0	
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	1	0	1	0	1	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	13	0	13	2	19	2	3	2	1	2	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	6	0	15	0	3	4	0	0	7	2	
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	1	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	1	2	5	2	2	0	0	0	0	2
					<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	2	0	0	0	0	0	0	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	6	0	1	0	1	1	0	3	0	0	0
					<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	1	0	1	1	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	28	2	43	8	36	24	4	3	16	16	16
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0
				Protanytarsini	<i>Protanytus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	1	0	0	0	1	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	1	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	1	0	0	0	0	1	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part R

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Ad-4											
								17-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.14-11	6572.15-11	6572.14-12	6572.15-12	6572.14-13	6572.15-13	6572.14-14	6572.15-14	6572.14-15	6572.15-15		
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm		
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0		
					<i>Orthocladius</i> sp.	890	128874	1	0	0	0	0	0	0	0	0	0		
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0		
					<i>Zalutschia</i> sp.	924	129213	0	0	0	1	1	1	0	0	0	0		
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0		
					<i>Psectrocladius</i> sp.	1036	129018	0	1	1	1	0	0	0	0	1	0		
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0		
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0		
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	2	0	0	0	2	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	1	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	8	4	5	3	6	3	2	1	5	3		
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr. sp.	805	n/a	1	0	0	0	1	0	0	0	1	1		
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	1	0	3	2	0	0	0	0	7	1		
				Procladiini	<i>Procladius</i> sp.	799	128277	10	2	13	2	15	3	12	4	5	3		
Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0				
Total								141	18	338	43	120	58	28	22	79	43		
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part S

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-1									
								18-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-16	6572.15-16	6572.14-17	6572.15-17	6572.14-18	6572.15-18	6572.14-19	6572.15-19	6572.14-20	6572.15-20
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	1	0	0	0	7	0	0	0	2
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	0	0	0	0	0	1	1	0	0	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	2	1	3	3	1	2	2	2	3	1
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	1	0	0	0	0	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part S

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-1									
								18-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-16	6572.15-16	6572.14-17	6572.15-17	6572.14-18	6572.15-18	6572.14-19	6572.15-19	6572.14-20	6572.15-20
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	1	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	1

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part S

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Ae-1											
								18-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.14-16	6572.15-16	6572.14-17	6572.15-17	6572.14-18	6572.15-18	6572.14-19	6572.15-19	6572.14-20	6572.15-20		
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm							
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	1	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	4	2	7	4	0	0	5	10	0	2	0	2
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	2	1	2	2	0	2	2	7	2	8	0	8	
				<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	1	0	1	0	1	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0
				Protanytarpini	<i>Protanytus</i> sp.	2230	128431	2	0	0	0	0	0	0	0	0	0	0	1
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part S

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ae-1										
								18-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-16	6572.15-16	6572.14-17	6572.15-17	6572.14-18	6572.15-18	6572.14-19	6572.15-19	6572.14-20	6572.15-20	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	1	0	2	0	0	1	2	1	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	2	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
					Procladiini		<i>Procladius</i> sp.	799	128277	4	1	4	3	0	0	1	1	4
				Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0
Total								15	6	17	13	3	13	11	24	11	21	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part T

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-2									
								15-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-21	6572.15-21	6572.14-22	6572.15-22	6572.14-23	6572.15-23	6572.14-24	6572.15-24	6572.14-25	6572.15-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	0	4	1	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	1
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
					—	6	68440	0	0	0	0	0	0	1	0	1	0
					—	77	69459	0	0	0	0	0	0	0	0	0	0
					—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	1	0	0	0	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	1	1	1	0	0	3	0	0	2
					—	1401	79118	0	0	0	0	0	0	0	0	0	0
					—	101	112737	5	13	23	21	14	14	7	10	7	15
Acari	Trombidiformes	Arrenuridae	—	—	<i>Pisidium</i> sp.	103	81400	1	0	1	0	0	0	0	0	1	0
					<i>Sphaerium</i> sp.	104	81391	0	0	1	0	0	0	0	0	1	0
					—	126	82754	0	0	0	0	0	0	0	0	0	0
					<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
Acari	Trombidiformes	Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part T

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-2									
								15-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-21	6572.15-21	6572.14-22	6572.15-22	6572.14-23	6572.15-23	6572.14-24	6572.15-24	6572.14-25	6572.15-25
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	1	0	0	0	2	0	0	1	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	1	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	4	0	1	0	1	0	1
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	1
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	1	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	2	0	0	0	1	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	2	3	7	1	7	3	0	2	0	5

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part T

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-2									
								15-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-21	6572.15-21	6572.14-22	6572.15-22	6572.14-23	6572.15-23	6572.14-24	6572.15-24	6572.14-25	6572.15-25
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm								
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	7	1	0	0	0	4	0	3
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	12	2	15	0	0	7	5	9	0	8
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	23	7	16	3	4	2	7	19	4	4
					<i>Pagastiella</i> sp.	1368	129561	0	0	1	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
				<i>Dicrotendipes lobiger</i>	8226	129443	1	0	1	0	1	0	1	4	0	0	
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	2	1	0	0	0	0	0	0	0	0	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	1	0	1	0	3	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	2	0	1	1	5	2	3	1	0	5	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	2	20	23	2	10	9	5	22	5	21	
				<i>Micropsectra</i> sp.	1054	129890	20	14	27	1	16	17	5	3	3	63	
			<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0		
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
				Protanytarpini	<i>Protanytus</i> sp.	2230	128431	0	1	0	0	0	0	0	0	1	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	1	2	1	0	0	0	0	0	1
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	1	4	0	6	4	0	1	0	11

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part T

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ae-2										
								15-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-21	6572.15-21	6572.14-22	6572.15-22	6572.14-23	6572.15-23	6572.14-24	6572.15-24	6572.14-25	6572.15-25	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	1	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	1	3	8	0	0	0	1	1	0	2	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	5	1	4	0	1	2	3	0	1	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
			<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0			
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	6	2	5	0	1	1	3	2	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	1	1	1	0	1	0	0	1	1	
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	
					—	798	128078	0	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	1	0	1	1	0	1	
		<i>Ablabesmyia</i> (Karelia) sp.			3756	n/a	0	0	0	0	0	0	0	0	0	0		
	Procladiini	<i>Procladius</i> sp.	799	128277	12	5	26	5	5	2	9	8	8	8				
Empididae	—	—	—	709	135830	0	1	0	0	0	0	0	0	0	0			
Total								92	83	175	49	71	67	53	93	33	157	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part U

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-6									
								16-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-26	6572.15-26	6572.14-27	6572.15-27	6572.14-28	6572.15-28	6572.14-29	6572.15-29	6572.14-30	6572.15-30
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	3	0	0	0	0	0	1	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	1	1	0	0	0	0	2	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	1	0	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	0	0	0	0	1	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	2	1	2	1	1	0	9	1	3	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	1	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part U

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-6									
								16-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-26	6572.15-26	6572.14-27	6572.15-27	6572.14-28	6572.15-28	6572.14-29	6572.15-29	6572.14-30	6572.15-30
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	1	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	1	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part U

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage											
								Station Ae-6											
								16-Aug-13											
								Rep A		Rep B		Rep C		Rep D		Rep E			
								6572.14-26	6572.15-26	6572.14-27	6572.15-27	6572.14-28	6572.15-28	6572.14-29	6572.15-29	6572.14-30	6572.15-30		
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm							
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	1	1	0	0	0	0	0	0	0	0	1	0
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	8	2	8	2	7	2	17	7	7	3	0	0
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	1	
				<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	0	0	0	0	0	1	0	0	0	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	0	1	0	1	0	0	0	1	0	0	1	0	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	13	4	2	3	1	0	2	6	9	1	0	0	
				<i>Micropsectra</i> sp.	1054	129890	2	0	0	0	0	0	0	1	0	0	0	0	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0
				Protanytarpini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part U																		
Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ae-6										
								16-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-26	6572.15-26	6572.14-27	6572.15-27	6572.14-28	6572.15-28	6572.14-29	6572.15-29	6572.14-30	6572.15-30	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	1	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	3	1	2	0	6	0	3	0	3	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	2	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	1	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	4	4	3	3	0	0	3	3	1	1		
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	
Total								36	20	18	10	15	4	34	27	25	8	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part V

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-7									
								18-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-31	6572.15-31	6572.14-32	6572.15-32	6572.14-33	6572.15-33	6572.14-34	6572.15-34	6572.14-35	6572.15-35
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	1	0	0	0	0	4	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	1
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	1	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	1	0	2	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
					<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata lewisi</i>	1175	70359	2	0	0	0	0	0	0	0	6	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	16	21	9	17	1	2	8	8	35	10
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	1	0	0	0	2	0
					<i>Sphaerium</i> sp.	104	81391	0	0	1	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	1	0	1	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part V

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-7									
								18-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-31	6572.15-31	6572.14-32	6572.15-32	6572.14-33	6572.15-33	6572.14-34	6572.15-34	6572.14-35	6572.15-35
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	3	0	0	0	0	0	0	0	2
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	2
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	1	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
	—	—	—	—	—	121	84195	0	3	0	0	0	0	0	0	0	2
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	1	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0
		—	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	1	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	1	0	0	0	0	0	3	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	2	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	5	5	2	6	0	0	4	0	6	1

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part V

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage									
								Station Ae-7									
								18-Aug-13									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.14-31	6572.15-31	6572.14-32	6572.15-32	6572.14-33	6572.15-33	6572.14-34	6572.15-34	6572.14-35	6572.15-35
	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm							
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	1	0	1	2	0	0	0	0	1	3
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	1	4	6	1	2	0	1	4	3
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	13	4	4	7	3	1	8	7	31	13
					<i>Pagastiella</i> sp.	1368	129561	0	1	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	1	1	0	1	0	1	0
			Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	
			Tanytarsini	—	1003	129872	0	1	0	0	0	0	1	0	0	1	
				<i>Cladotanytarsus</i> sp.	1006	129873	2	1	1	1	0	0	1	0	1	1	
				<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	
				<i>Paratanytarsus</i> sp.	1015	129935	9	2	3	3	0	0	2	4	6	1	
				<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	
				<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	
				<i>Tanytarsus</i> sp.	1029	129978	12	4	6	8	0	4	7	6	20	1	
				<i>Micropsectra</i> sp.	1054	129890	26	113	7	26	0	0	1	0	59	0	
				<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
				Protanytarpini	<i>Protanytus</i> sp.	2230	128431	1	0	0	0	0	0	0	2	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	1	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	4	24	0	1	0	0	0	0	14	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part V

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage										
								Station Ae-7										
								18-Aug-13										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.14-31	6572.15-31	6572.14-32	6572.15-32	6572.14-33	6572.15-33	6572.14-34	6572.15-34	6572.14-35	6572.15-35	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	1	0	0	0	0	0	0	0		
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0		
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0		
					<i>Zalutschia</i> sp.	924	129213	1	5	0	2	0	0	0	0	10	2	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	1	1	4	0	0	0	1	0	1	2	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	5	0	4	1	2	0	3	0	4	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	2	1	1	2	0	0	0	0	0	5	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	2	0	0	0	0	0	1	1	0	3	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	0	1	0
				Procladiini	<i>Procladius</i> sp.	799	128277	14	7	8	10	1	2	10	0	19	2	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	1	0	
Total							117	200	56	95	10	17	49	26	246	47		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part W

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake											
								Af-1											
								21-Aug-13											
								Rep A		Rep B		Rep C		Rep D			Rep E		
								6572.14-36	6572.15-36	6572.14-37	6572.15-37	6572.14-38	6572.15-38	6572.20-1	6572.22-1	6572.21-1	6572.20-2	6572.22-2	6572.21-2
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	1	0	1	0	0	1
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	1	0	0	0	0	0	3	11	0	2	11
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	0	2	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	1	0	7	0	2	0	5	0	0	5	1	0
					<i>Pisidium</i> sp.	103	81400	1	0	1	0	1	0	1	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part W

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake											
								Af-1											
								21-Aug-13											
								Rep A		Rep B		Rep C		Rep D			Rep E		
								6572.14-36	6572.15-36	6572.14-37	6572.15-37	6572.14-38	6572.15-38	6572.20-1	6572.22-1	6572.21-1	6572.20-2	6572.22-2	6572.21-2
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobat</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0
	Unionicolidae	—	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	1	3	0	0	0	0	0	0	118	0	0	76
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	7	2	7	0	5	2	4	2	0	6	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0	0	1
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	1	0	0	2	0	0	0	1	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part W

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake												
								Af-1												
								21-Aug-13												
								Rep A		Rep B		Rep C		Rep D			Rep E			
								6572.14-36	6572.15-36	6572.14-37	6572.15-37	6572.14-38	6572.15-38	6572.20-1	6572.22-1	6572.21-1	6572.20-2	6572.22-2	6572.21-2	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm									
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0		
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	3	0	
					<i>Stenochironomus</i> sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Stictochironomus</i> sp.	996	129785	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Pagastiella</i> sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Sergentia</i> sp.	1422	129739	1	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum halterale</i> gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Polypedilum nubeculosum</i>	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Dicrotendipes lobiger</i>	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stempellina</i> sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	6	1	1	0	0	2	3	3	0	0	2	0	0
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	
			Orthocladiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	1	0	0	0	0	

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part W

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake												
								Af-1												
								21-Aug-13												
								Rep A		Rep B		Rep C		Rep D			Rep E			
								6572.14-36	6572.15-36	6572.14-37	6572.15-37	6572.14-38	6572.15-38	6572.20-1	6572.22-1	6572.21-1	6572.20-2	6572.22-2	6572.21-2	
1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm									
Insecta	Diptera	Chironomidae	Orthocladiinae	—	Hydrobaenus sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0		
					Orthocladius sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0		
					Parakiefferiella sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0		
					Zalutschia sp.	924	129213	10	12	9	15	10	10	11	25	7	2	48	16	
					Orthocladius complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0		
					Psectrocladius sp.	1036	129018	0	1	1	0	0	0	0	1	0	0	0	0	
					Doncricotopus sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	
			Heterotanytarsus sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0			
			Prodiamesinae	—	Monodiamesa sp.	822	128440	0	1	0	0	0	0	0	0	0	0	0	1	
			Tanypodinae	Pentaneurini	Ablabesmyia monilis	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0
					Ablabesmyia sp.	772	128079	0	1	0	0	0	0	0	0	0	0	0	0	0
					Larsia sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0
					Thienemannimyia gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0
					Ablabesmyia (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	Procladius sp.	799	128277	8	0	2	2	5	0	7	1	1	6	1	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0		
Total							37	22	28	20	23	14	33	37	138	19	59	106		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part X

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station Af-2														
								21-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-3	6572. 22-3	6572. 21-3	6572. 20-4	6572. 22-4	6572. 21-4	6572. 20-5	6572. 22-5	6572. 21-5	6572. 20-6	6572. 22-6	6572. 21-6	6572. 20-7	6572. 22-7	6572. 21-7
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	1	0	0	0	0	45	0	0	5	0	0	3
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	1	0	0	26	0	0	2	0	0	5
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	4	2	0	2	7	1	0	16	0	0	2	0	0	4
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					—	1347	68585	1	0	0	0	0	0	1	0	1	1	0	1	1	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	3	0	1	0	0	0	0	0	1
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	1	0	0	2	0	0	24	0	0	1	0	0	21	3	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	7	0	0	12	0	0	0	0	0	1	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	2	0	0	1	0	0	1	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part X

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station Af-2														
								21-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-3	6572. 22-3	6572. 21-3	6572. 20-4	6572. 22-4	6572. 21-4	6572. 20-5	6572. 22-5	6572. 21-5	6572. 20-6	6572. 22-6	6572. 21-6	6572. 20-7	6572. 22-7	6572. 21-7
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	2	0	0	0	0	0	2	0	0	1	0	0	2
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicretendipes fumidus</i>	940	129436	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part X

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station Af-2														
								21-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-3	6572. 22-3	6572. 21-3	6572. 20-4	6572. 22-4	6572. 21-4	6572. 20-5	6572. 22-5	6572. 21-5	6572. 20-6	6572. 22-6	6572. 21-6	6572. 20-7	6572. 22-7	6572. 21-7
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	2	0	0	0	1	0	30	0	1	2	0	0	10	0	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	1	0	4	4	0	6	0	0	4	4	0	7	1	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	0	0	9	0	0	20	0	0	11	0	1	14	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum halterale gr.	3320	n/a	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
					Cladotanytarsus sp.	1006	129873	0	0	0	0	0	0	0	0	41	0	0	0	0	0	5
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	2	1	0	4	1	0	7	3	17	2	0	1	1	2	0
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part X

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake																
								Station Af-2																
								21-Aug-13																
								Rep A			Rep B			Rep C			Rep D			Rep E				
								6572. 20-3	6572. 22-3	6572. 21-3	6572. 20-4	6572. 22-4	6572. 21-4	6572. 20-5	6572. 22-5	6572. 21-5	6572. 20-6	6572. 22-6	6572. 21-6	6572. 20-7	6572. 22-7	6572. 21-7		
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm		
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0		
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Orthocladiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Cricotopus</i> sp.	853	128575	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	5	1	6	0	0	0	0	0	0	2	
			Orthocladiinae	—	<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	6	2	2	5	17	9	24	3	7	10	6	3	13	7	7		
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	1	1	3	0	0	1	1	2	1		
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	2	1	0	2	0	0	1	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	—	<i>Procladius</i> sp.	799	128277	2	0	0	3	0	0	4	1	0	2	1	0	3	0	1		
			Empididae	—	—	—	709	135830	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
Total								17	10	6	39	25	17	150	12	176	35	13	20	75	15	32		
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Y

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station Af-4														
								20-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-8	6572. 22-8	6572. 21-8	6572. 20-9	6572. 22-9	6572. 21-9	6572. 20-10	6572. 22-10	6572. 21-10	6572. 20-11	6572. 22-11	6572. 21-11	6572. 20-12	6572. 22-12	6572. 21-12
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Nematoda ^(c)	—	—	—	—	—	67	59490	2	3	18	6	0	315	0	5	5	1	2	16	5	3	25
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	1	2	4	0	0	10	0	0	0	1	0	6	0	3	16
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	2	0	0	2	0	1	2	0	1	5	0	1	12
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	1	8	0	1	8
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	6	4	0	3	9	1	0	4	1	3	0	0	4	1	5
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	1	0	1	1	0	4	0	0	0	1	0	0	2	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	2	0	0	1	1	0	0	0	0	1	0	0	3	1	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	37	10	0	23	30	0	4	1	0	11	4	0	31	17	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	42	0	0	7	0	0	9	0	0	33	0	0
					<i>Sphaerium</i> sp.	104	81391	2	0	0	1	0	0	0	0	0	1	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Y

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station Af-4														
								20-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-8	6572. 22-8	6572. 21-8	6572. 20-9	6572. 22-9	6572. 21-9	6572. 20-10	6572. 22-10	6572. 21-10	6572. 20-11	6572. 22-11	6572. 21-11	6572. 20-12	6572. 22-12	6572. 21-12
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	1	0	0	0	1	1	0	1	0	0	0	0	0	1	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	2	0	0	1	0	0	2	0	0	3	0	0
					<i>Cladopelma</i> sp.	931	129350	5	0	0	3	4	0	0	1	0	3	0	0	0	5	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	1	0	0	1	0	0	2	0	0	0	2	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Y

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station Af-4														
								20-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-8	6572. 22-8	6572. 21-8	6572. 20-9	6572. 22-9	6572. 21-9	6572. 20-10	6572. 22-10	6572. 21-10	6572. 20-11	6572. 22-11	6572. 21-11	6572. 20-12	6572. 22-12	6572. 21-12
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	2	3	0	0	0	0	2	2	2	3	1	1
					Endochironomus sp.	948	129470	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	1	0	0	2	0	0	0	0	0	1	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	43	0	0	88	6	0	7	0	0	76	0	0	78	2	0
					Parachironomus sp.	964	129564	1	0	1	1	0	0	3	1	0	0	0	0	2	1	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	2	0	0	14	5	0	3	3	0	3	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	0	0	4	5	0	0	0	0	1	0	0	0	0	0
					Polypedilum halterale gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	1	0	2	0	1	3	0	0	1	0	2	7	0	1	11
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	1	0	0	1	1	0	0	0	0	2	0	0	1	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	17	3	0	8	32	13	1	2	1	25	15	3	7	29	8
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	1	0	0	2	4	0	1	3	0	3	2	0	1	8	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Y

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake															
								Station Af-4															
								20-Aug-13															
								Rep A			Rep B			Rep C			Rep D			Rep E			
								6572. 20-8	6572. 22-8	6572. 21-8	6572. 20-9	6572. 22-9	6572. 21-9	6572. 20-10	6572. 22-10	6572. 21-10	6572. 20-11	6572. 22-11	6572. 21-11	6572. 20-12	6572. 22-12	6572. 21-12	
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	1	0	0	0	0	2	0	0	0	0	0	0	0	1	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	1	7	1	0	2	1	0	0	0	0	1	1	0	1	2	
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	6	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	4	1	7	3	0	9	0	0	0	1	4	2	0	13	11	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	1	0	0	2	1	0	0	0	0	1	4	2	1	2	2	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	1	1	0	4	2	0	0	0	0	0	0	1	0	1	1	
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	5	1	0	33	16	0	2	1	1	13	2	0	19	7	2	
		Empididae	—	—	709	135830	2	0	0	1	0	0	0	1	0	1	0	0	0	0	0		
Total								141	38	37	253	131	364	30	25	11	167	42	53	197	107	109	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part Z

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station A4-2														
								20-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-13	6572. 22-13	6572. 21-13	6572. 20-14	6572. 22-14	6572. 21-14	6572. 20-15	6572. 22-15	6572. 21-15	6572. 20-16	6572. 22-16	6572. 21-16	6572. 20-17	6572. 22-17	6572. 21-17
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	4	0	0	0	1	0	0	0	1	3	9	0	0	1
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	1	0	0	0	0	0	10	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	1	1	0	2	2	0	0	0	0	19	7	0	21	9	0
					<i>Pisidium</i> sp.	103	81400	1	0	0	4	0	0	2	0	0	0	0	0	1	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

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Part Z

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake														
								Station A4-2														
								20-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-13	6572. 22-13	6572. 21-13	6572. 20-14	6572. 22-14	6572. 21-14	6572. 20-15	6572. 22-15	6572. 21-15	6572. 20-16	6572. 22-16	6572. 21-16	6572. 20-17	6572. 22-17	6572. 21-17
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	4	0	0	6	0	0	0	0	3	42	0	0	9
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	2	0	0	1	1	0	0	1	0	1	1	0	1	1	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0

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Part Z

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								Station A4-2														
								20-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 20-13	6572. 22-13	6572. 21-13	6572. 20-14	6572. 22-14	6572. 21-14	6572. 20-15	6572. 22-15	6572. 21-15	6572. 20-16	6572. 22-16	6572. 21-16	6572. 20-17	6572. 22-17	6572. 21-17
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0
					Microtendipes pedellus gr.	956	n/a	0	0	1	0	2	6	0	0	0	4	12	1	7	9	10
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	0	0	0	2	3	0	0	0	0	3	0	0	1	1
					Polypedilum halterale gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	0	0	0	1	7	0	1	1	12	16	2	3	10	2
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Part Z

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Duchess Lake															
								Station A4-2															
								20-Aug-13															
								Rep A			Rep B			Rep C			Rep D			Rep E			
								6572. 20-13	6572. 22-13	6572. 21-13	6572. 20-14	6572. 22-14	6572. 21-14	6572. 20-15	6572. 22-15	6572. 21-15	6572. 20-16	6572. 22-16	6572. 21-16	6572. 20-17	6572. 22-17	6572. 21-17	
1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm						
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	2	0	0	0	0	1	1	0	0	3	
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	11	19	0	6	9	1	16	8	7	23	7	7	4	15	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	1	0	0	0	1		
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Ablabesmyia</i> sp.	772	128079	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Procladiini	<i>Procladius</i> sp.	799	128277	2	2	0	1	2	1	1	2	0	7	2	0	4	1	0		
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total								6	19	24	9	16	38	5	22	9	54	77	77	48	40	45	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without; — = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part AA

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1														
								Station Af-10														
								12-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-1	6572. 19-1	6572. 18-1	6572. 17-2	6572. 19-2	6572. 18-2	6572. 17-3	6572. 19-3	6572. 18-3	6572. 17-4	6572. 19-4	6572. 18-4	6572. 17-5	6572. 19-5	6572. 18-5
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	1	0	5	1	0	0	0	2	33	0	1	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	5	17	0	0	0	0	1	60	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	11	3	2	8	6	6	8	3	2	21	8	1	8	8
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	4	5	0	0	8	0	4	7	0	8	9	0	8	22	1
					<i>Pisidium</i> sp.	103	81400	11	0	0	6	0	0	3	0	0	14	0	0	6	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part AA

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1														
								Station Af-10														
								12-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-1	6572. 19-1	6572. 18-1	6572. 17-2	6572. 19-2	6572. 18-2	6572. 17-3	6572. 19-3	6572. 18-3	6572. 17-4	6572. 19-4	6572. 18-4	6572. 17-5	6572. 19-5	6572. 18-5
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	248	0	16	326	0	0	0	0	1	120	0	0	132
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	6	0	0	12	0	0	4	0	0	5	2	0	15	2	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part AA

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1														
								Station Af-10														
								12-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-1	6572. 19-1	6572. 18-1	6572. 17-2	6572. 19-2	6572. 18-2	6572. 17-3	6572. 19-3	6572. 18-3	6572. 17-4	6572. 19-4	6572. 18-4	6572. 17-5	6572. 19-5	6572. 18-5
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	12	3	0	20	0	0	8	0	0	20	1	0	25	2	0
					Microtendipes pedellus gr.	956	n/a	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	1	1	4	0	0	1	0	0	6	2	0	2	0	0
					Polypedilum halterale gr.	3320	n/a	0	1	0	0	1	0	0	0	0	0	1	0	0	2	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
					Cladotanytarsus sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	3	3	0	1	2	1	5	2	0	4	15	0	1	3
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part AA

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1															
								Station Af-10															
								12-Sep-13															
								Rep A			Rep B			Rep C			Rep D			Rep E			
								6572. 17-1	6572. 19-1	6572. 18-1	6572. 17-2	6572. 19-2	6572. 18-2	6572. 17-3	6572. 19-3	6572. 18-3	6572. 17-4	6572. 19-4	6572. 18-4	6572. 17-5	6572. 19-5	6572. 18-5	
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	1	0	0	2	1	0	0	1	
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	2	4	2	9	3	0	5	1	0	2	1	1	4	1	1	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total							35	34	258	56	43	361	34	23	5	58	49	242	64	42	147		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100	100	100	100	100			

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without; — = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part BB

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake C1														
								Station C1-1														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-6	6572. 19-6	6572. 18-6	6572. 17-7	6572. 19-7	6572. 18-7	6572. 17-8	6572. 19-8	6572. 18-8	6572. 17-9	6572. 19-9	6572. 18-9	6572. 17-10	6572. 19-10	6572. 18-10
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	13	23	7	29	0	0	6	0	1	2	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Uncinaiis uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	5	1	0	1	1	0	26	1	1	0	0	0	0	1	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	29	7	0	9	0	0	26	3	0	2	0	0	19	4	0
					<i>Pisidium</i> sp.	103	81400	13	0	0	2	0	0	12	0	0	5	0	0	15	0	0
					<i>Sphaerium</i> sp.	104	81391	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part BB

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake C1														
								Station C1-1														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-6	6572. 19-6	6572. 18-6	6572. 17-7	6572. 19-7	6572. 18-7	6572. 17-8	6572. 19-8	6572. 18-8	6572. 17-9	6572. 19-9	6572. 18-9	6572. 17-10	6572. 19-10	6572. 18-10
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	Trombidiformes	—	—	—	—	126	82754	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
		Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	3	0	0	1	0	0	0	0	0	0	0	2	1
					<i>Cryptochironomus</i> sp.	934	129368	1	0	0	0	0	0	2	0	0	0	0	0	3	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part BB

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake C1															
								Station C1-1															
								15-Sep-13															
								Rep A			Rep B			Rep C			Rep D			Rep E			
								6572. 17-6	6572. 19-6	6572. 18-6	6572. 17-7	6572. 19-7	6572. 18-7	6572. 17-8	6572. 19-8	6572. 18-8	6572. 17-9	6572. 19-9	6572. 18-9	6572. 17-10	6572. 19-10	6572. 18-10	
1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm						
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	1	0	0	0	0	0	0	0	0	0	0	0	0		
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Glyptotendipes sp.	950	129483	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Pagastiella sp.	1368	129561	1	1	1	0	2	1	0	4	1	0	0	0	0	5	1	
					Sergentia sp.	1422	129739	1	0	0	0	0	0	1	0	0	0	0	0	0	2	0	
					Polypedilum halterale gr.	3320	n/a	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Cladotanytarsus sp.	1006	129873	0	0	2	0	1	0	0	0	2	0	0	0	0	0	1	
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					Tanytarsus sp.	1029	129978	1	9	18	3	7	4	2	7	11	0	1	2	3	18	7	
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
					Corynocera sp.	2297	129887	4	1	4	1	0	0	1	1	3	0	1	0	1	5	0	

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part BB

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake C1														
								Station C1-1														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-6	6572. 19-6	6572. 18-6	6572. 17-7	6572. 19-7	6572. 18-7	6572. 17-8	6572. 19-8	6572. 18-8	6572. 17-9	6572. 19-9	6572. 18-9	6572. 17-10	6572. 19-10	6572. 18-10
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	1	0	0	1	1	0	2	0	1	0	0	0	1	0	0
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total								59	25	46	44	20	36	76	19	26	11	4	4	44	38	10
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_ TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part CC

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-1														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-11	6572. 19-11	6572. 18-11	6572. 17-12	6572. 19-12	6572. 18-12	6572. 17-13	6572. 19-13	6572. 18-13	6572. 17-14	6572. 19-14	6572. 18-14	6572. 17-15	6572. 19-15	6572. 18-15
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	3	0	0	2	3	0	6	1	0	0	1	1	7
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	6	0	0	1	0	0	1	0	0	2	0	0	0	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Part CC

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-1														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-11	6572. 19-11	6572. 18-11	6572. 17-12	6572. 19-12	6572. 18-12	6572. 17-13	6572. 19-13	6572. 18-13	6572. 17-14	6572. 19-14	6572. 18-14	6572. 17-15	6572. 19-15	6572. 18-15
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	11	0	0	1	0	0	0	0	0	8	0	0	2
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	0	0	0	18	1	0	13	1	0	10	1	0	20	1	0
					<i>Cladopelma</i> sp.	931	129350	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part CC

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-1														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-11	6572. 19-11	6572. 18-11	6572. 17-12	6572. 19-12	6572. 18-12	6572. 17-13	6572. 19-13	6572. 18-13	6572. 17-14	6572. 19-14	6572. 18-14	6572. 17-15	6572. 19-15	6572. 18-15
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	62	29	0	3	0	0	1	0	0	1	0	0	1	0	0
					Pagastiella sp.	1368	129561	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum halterale gr.	3320	n/a	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	3	0	0	0	1	5	7	4	0	1	0	1	2	8
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part CC

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-1														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-11	6572. 19-11	6572. 18-11	6572. 17-12	6572. 19-12	6572. 18-12	6572. 17-13	6572. 19-13	6572. 18-13	6572. 17-14	6572. 19-14	6572. 18-14	6572. 17-15	6572. 19-15	6572. 18-15
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	8	9	1	1	2	0	0	1	0	0	2	1	0	3	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	3	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total							83	54	19	23	3	4	26	11	12	14	5	13	23	7	18	
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part DD

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-2														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-16	6572. 19-16	6572. 18-16	6572. 17-17	6572. 19-17	6572. 18-17	6572. 17-18	6572. 19-18	6572. 18-18	6572. 17-19	6572. 19-19	6572. 18-19	6572. 17-20	6572. 19-20	6572. 18-20
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	9	37	390	0	0	0	0	47	162	21	11	320	15	5	117
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	2	0	0	0	0	2	1	1	0	6	0	0	3
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	1	0	0	0	0	0	1	0	0	2	1	0	1	0	0
					—	1347	68585	5	1	0	0	0	0	2	2	0	1	2	2	0	0	1
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	2	0	0	0	0	0	1	2	0	0	3	1	1	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	3	4	0	0	0	0	7	1	0	4	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	30	13	0	7	5	0	15	10	0	8	2	1	12	8	0
					<i>Pisidium</i> sp.	103	81400	24	0	0	3	0	0	13	0	0	13	0	0	7	0	0
					<i>Sphaerium</i> sp.	104	81391	3	0	0	0	0	0	0	0	0	3	0	0	1	0	0

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Part DD

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-2														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-16	6572. 19-16	6572. 18-16	6572. 17-17	6572. 19-17	6572. 18-17	6572. 17-18	6572. 19-18	6572. 18-18	6572. 17-19	6572. 19-19	6572. 18-19	6572. 17-20	6572. 19-20	6572. 18-20
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
		Limnephilidae	—	—	—	600	115933	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
					<i>Chironomus</i> sp.	930	129254	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	1	0	0	0	1	0	1	0	0	2	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	2	0	0	0	0	0	1	0	0	0	0	0	0	1	0
					<i>Dicrotendipes fumidus</i>	940	129436	7	0	0	1	0	0	2	0	0	1	0	0	1	1	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part DD

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-2														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-16	6572. 19-16	6572. 18-16	6572. 17-17	6572. 19-17	6572. 18-17	6572. 17-18	6572. 19-18	6572. 18-18	6572. 17-19	6572. 19-19	6572. 18-19	6572. 17-20	6572. 19-20	6572. 18-20
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	1	2	1	1	0	1	4	0	1	1	1	2	1	1	2
					Endochironomus sp.	948	129470	4	1	0	0	0	0	1	0	0	8	4	0	0	0	0
					Glyptotendipes sp.	950	129483	1	0	0	0	0	0	2	0	0	1	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	93	2	0	9	0	0	36	2	0	9	2	0	15	8	1
					Parachironomus sp.	964	129564	7	3	2	0	0	0	0	1	0	1	1	0	0	0	1
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	8	1	0	4	1	0	6	0	0	10	0	1	1	1	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	63	6	0	11	2	1	60	6	0	24	1	3	18	3	0
					Pagastiella sp.	1368	129561	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0
					Sergentia sp.	1422	129739	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
					Polypedilum halterale gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	1	0	0	1	0	0	0	0	0	0	0	0	1	0	1
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	6	3	11	0	1	4	1	3	1	5	4	22	2	1	17
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	5	3	0	0	0	0	2	0	0	2	1	1	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	11	15	14	0	0	3	0	7	6	4	5	22	2	1	11
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part DD

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake E1														
								Station E-L1-2														
								23-Aug-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-16	6572. 19-16	6572. 18-16	6572. 17-17	6572. 19-17	6572. 18-17	6572. 17-18	6572. 19-18	6572. 18-18	6572. 17-19	6572. 19-19	6572. 18-19	6572. 17-20	6572. 19-20	6572. 18-20
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	6	4	0	0	0	0	5	1	0	0	2	0	3	1	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	98	43	29	15	27	16	93	94	30	51	72	46	52	35	23
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	2	5	0	0	0	5	1	0	0	0	1	0	0	1	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	2	0	0	1	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	4	1	0	0	0	0	1	0	0	0	1	0	1	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	11	2	2	1	0	0	5	0	0	7	1	0	8	4	0
		Empididae	—	—	—	709	135830	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total								423	153	457	61	37	30	265	182	203	186	120	434	145	79	179
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part EE

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-1														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-31	6572. 19-31	6572. 18-31	6572. 17-32	6572. 19-32	6572. 18-32	6572. 17-33	6572. 19-33	6572. 18-33	6572. 17-34	6572. 19-34	6572. 18-34	6572. 17-35	6572. 19-35	6572. 18-35
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	13	0	0	8	0	0	9	0	0	9	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	1	0	0	0	0	0	2	0	0	1
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	1	0	1	4	0	0	0	0	2	15	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	6	9	1	10	19	0	1	1	0	12	20	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	3	0	0	6	0	0	1	0	0	7	0	0	1	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part EE

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-1														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-31	6572. 19-31	6572. 18-31	6572. 17-32	6572. 19-32	6572. 18-32	6572. 17-33	6572. 19-33	6572. 18-33	6572. 17-34	6572. 19-34	6572. 18-34	6572. 17-35	6572. 19-35	6572. 18-35
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	1	4	0	0	0	0	0	0	0	0	1
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	13	0	0	1	0	0	0	0	0	1	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
					<i>Chironomus</i> sp.	930	129254	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	1	1	0	0	0	2	0	0	0	0	1	1	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Part EE

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								Station PL-1														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-31	6572. 19-31	6572. 18-31	6572. 17-32	6572. 19-32	6572. 18-32	6572. 17-33	6572. 19-33	6572. 18-33	6572. 17-34	6572. 19-34	6572. 18-34	6572. 17-35	6572. 19-35	6572. 18-35
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	1	0	0	10	5	0	1	0	0	6	5	0	1	1	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	2	0	0	1	2	0	1	0	0	2	4	0	2	1
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	9	5	0	4	6	0	8	0	0	6	6	0	1	2	0
					Pagastiella sp.	1368	129561	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
					Polypedilum halterale gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	0	1	10	0	6	44	0	1	3	0	8	8	0	0	2
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0
					Tanytarsus sp.	1029	129978	1	4	5	1	17	27	1	1	0	0	26	9	0	1	2
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part EE

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-1														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-31	6572. 19-31	6572. 18-31	6572. 17-32	6572. 19-32	6572. 18-32	6572. 17-33	6572. 19-33	6572. 18-33	6572. 17-34	6572. 19-34	6572. 18-34	6572. 17-35	6572. 19-35	6572. 18-35
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	3	0	0	1	0	0	1	0	0	1	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	1	3	0	0	1
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	1	1	5	0	1	12	2	1	0	0	1	1	1	0	1
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	2	0	0	0	0	2	5	0	1	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	1	0	0	0	0	0	1	0	0	1	1	0	1	0	0
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	1	3	0	0	0	0	1	4	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	2	2	0	2	1	1	2	0	0	2	0	1	0	0	0	
			Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total								26	28	54	34	64	116	18	5	15	39	78	68	5	7	10
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part FF

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-2														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-36	6572. 19-36	6572. 18-36	6572. 17-37	6572. 19-37	6572. 18-37	6572. 17-38	6572. 19-38	6572. 18-38	6572. 17-39	6572. 19-39	6572. 18-39	6572. 17-40	6572. 19-40	6572. 18-40
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	12	56	0	2	16	0	3	0	0	2	15	0	7	55
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	3	0	0	0	0	0	1	0	0	1	0	0	2
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	0	0	1	1	0	0	0	0	0	1	0	0	3
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	15	3	0	9	8	0	2	2	0	10	5	0	13	7	0
					<i>Pisidium</i> sp.	103	81400	7	0	0	3	0	0	3	0	0	7	0	0	3	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part FF

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-2														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-36	6572. 19-36	6572. 18-36	6572. 17-37	6572. 19-37	6572. 18-37	6572. 17-38	6572. 19-38	6572. 18-38	6572. 17-39	6572. 19-39	6572. 18-39	6572. 17-40	6572. 19-40	6572. 18-40
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	1	0	0	0	0	0	2	0	0	1	1
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
					<i>Piona</i> sp.	3102	83350	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	11	0	2	4	0	1	1	0	0	29	0	0	13
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	6	1	0	4	2	0	12	0	0	0	0	0	2	3	0
					<i>Cladopelma</i> sp.	931	129350	0	3	3	0	3	1	0	0	0	1	0	0	1	6	0
					<i>Cryptochironomus</i> sp.	934	129368	1	0	0	0	0	0	1	0	0	1	0	0	1	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part FF

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-2														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-36	6572. 19-36	6572. 18-36	6572. 17-37	6572. 19-37	6572. 18-37	6572. 17-38	6572. 19-38	6572. 18-38	6572. 17-39	6572. 19-39	6572. 18-39	6572. 17-40	6572. 19-40	6572. 18-40
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
					Glyptotendipes sp.	950	129483	3	1	0	0	2	0	0	0	0	3	0	0	2	3	0
					Microtendipes pedellus gr.	956	n/a	14	5	2	10	2	0	2	0	0	6	2	0	12	11	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum halterale gr.	3320	n/a	3	32	3	5	20	1	20	11	0	10	23	2	6	35	2
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	2	6	0	0	1	9	0	1	1	0	2	2	0	2	12
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	20	9	0	15	15	0	2	0	0	3	5	0	21	10
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part FF

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake															
								Station PL-2															
								14-Sep-13															
								Rep A			Rep B			Rep C			Rep D			Rep E			
								6572. 17-36	6572. 19-36	6572. 18-36	6572. 17-37	6572. 19-37	6572. 18-37	6572. 17-38	6572. 19-38	6572. 18-38	6572. 17-39	6572. 19-39	6572. 18-39	6572. 17-40	6572. 19-40	6572. 18-40	
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0			
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
					<i>Corynoneura</i> sp.	838	128563	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	11	27	2	5	22	7	28	19	2	9	30	8	4	29	3	
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	1	1	1	0	0	2	0	0	0	0	0	0	0	2	2	
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Procladiini	<i>Procladius</i> sp.	799	128277	4	4	0	1	0	0	6	0	0	1	0	0	3	2	0		
		Empididae	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Total								72	117	92	37	82	62	74	39	5	48	69	64	50	131	103	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.

Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).

a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.

b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.

c) Removed from analyses.

EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;

— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part GG

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-3														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-41	6572. 19-41	6572. 18-41	6572. 17-42	6572. 19-42	6572. 18-42	6572. 17-43	6572. 19-43	6572. 18-43	6572. 17-44	6572. 19-44	6572. 18-44	6572. 17-45	6572. 19-45	6572. 18-45
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	0	0	3	0	0	0	1	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	3	6	1	6	5	0	2	6	4	2	2	4	0	2	0
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	3	1	0	1	0	0	1	6	0	7	1	0	2	3	0
					<i>Pisidium</i> sp.	103	81400	1	0	0	1	0	0	2	0	0	6	0	0	9	0	0
					<i>Sphaerium</i> sp.	104	81391	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part GG

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-3														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-41	6572. 19-41	6572. 18-41	6572. 17-42	6572. 19-42	6572. 18-42	6572. 17-43	6572. 19-43	6572. 18-43	6572. 17-44	6572. 19-44	6572. 18-44	6572. 17-45	6572. 19-45	6572. 18-45
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	21	0	0	16	0	0	163	0	0	123	0	0	56
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	7	0	0	2	0	0	7	2	1	2	1	1	6	1	1
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part GG

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-3														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-41	6572. 19-41	6572. 18-41	6572. 17-42	6572. 19-42	6572. 18-42	6572. 17-43	6572. 19-43	6572. 18-43	6572. 17-44	6572. 19-44	6572. 18-44	6572. 17-45	6572. 19-45	6572. 18-45
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
					Sergentia sp.	1422	129739	0	0	0	0	0	0	0	0	0	1	3	0	1	1	0
					Polypedilum halterale gr.	3320	n/a	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
					Cladotanytarsus sp.	1006	129873	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	1	4	0	2	1	0	1	3	1	5	1	0	0	0
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part GG

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-3														
								14-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-41	6572. 19-41	6572. 18-41	6572. 17-42	6572. 19-42	6572. 18-42	6572. 17-43	6572. 19-43	6572. 18-43	6572. 17-44	6572. 19-44	6572. 18-44	6572. 17-45	6572. 19-45	6572. 18-45
1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm					
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	1	0	0	4	0	0	2	0	2	3	0	0	1
					<i>Cricotopus</i> sp.	853	128575	0	0	2	0	0	2	0	0	0	1	1	1	0	0	1
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	1	0	0	0	0	1	2	0	1	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	2	0	0	0	0	0	2	0	0	0	0	0	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	0	0	0	2	0	0	0	0	0	1	0	0	2	0	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total								16	11	31	14	9	23	14	18	179	23	17	133	22	9	60
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part HH

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-4														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-46	6572. 19-46	6572. 18-46	6572. 17-47	6572. 19-47	6572. 18-47	6572. 17-48	6572. 19-48	6572. 18-48	6572. 17-49	6572. 19-49	6572. 18-49	6572. 17-50	6572. 19-50	6572. 18-50
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Slavina appendiculata</i>	62	68856	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Specaria josinae</i>	63	68985	0	3	4	0	2	0	0	0	5	0	0	1	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	1	1	0	0	3	0	0	3	0	1	1	2	1	1	1
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	11	3	0	6	0	0	0	1	0	12	0	0	2	0	0
					<i>Pisidium</i> sp.	103	81400	7	0	0	4	0	0	0	0	0	1	0	0	2	0	0
					<i>Sphaerium</i> sp.	104	81391	2	0	0	2	0	0	0	0	0	1	0	0	1	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part HH

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-4														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-46	6572. 19-46	6572. 18-46	6572. 17-47	6572. 19-47	6572. 18-47	6572. 17-48	6572. 19-48	6572. 18-48	6572. 17-49	6572. 19-49	6572. 18-49	6572. 17-50	6572. 19-50	6572. 18-50
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	1	343	0	0	48	0	0	175	0	0	254	0	0	1
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	7	2	1	2	0	0	2	2	0	6	2	3	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part HH

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-4														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-46	6572. 19-46	6572. 18-46	6572. 17-47	6572. 19-47	6572. 18-47	6572. 17-48	6572. 19-48	6572. 18-48	6572. 17-49	6572. 19-49	6572. 18-49	6572. 17-50	6572. 19-50	6572. 18-50
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Endochironomus sp.	948	129470	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	12	0	0	1	0	1	0	0	0	0	0	0	0	0	0
					Parachironomus sp.	964	129564	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	0	2	1	0	0	0	0	0	0	1	0	0	0	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					Polypedilum halterale gr.	3320	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Cladotanytarsus sp.	1006	129873	0	4	1	0	1	0	0	0	2	1	0	0	0	0	0
					Constempellina sp.	1007	129884	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	4	0	0	2	1	0	5	1	0	0	1	0	0	0
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part HH

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-4														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-46	6572. 19-46	6572. 18-46	6572. 17-47	6572. 19-47	6572. 18-47	6572. 17-48	6572. 19-48	6572. 18-48	6572. 17-49	6572. 19-49	6572. 18-49	6572. 17-50	6572. 19-50	6572. 18-50
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	1	3	0	0	0	0	0	2	0	0	1	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	6	1	0	0	2	0	4	5	0	4	0	0	2	1	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0
					<i>Larsia</i> sp.	789	128183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	2	1	0	2	0	0	2	0	1	3	2	1	1	0	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total							50	29	353	17	11	50	8	18	198	32	8	262	9	2	3	
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013

Part II

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-5														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-51	6572. 19-51	6572. 18-51	6572. 17-52	6572. 19-52	6572. 18-52	6572. 17-53	6572. 19-53	6572. 18-53	6572. 17-54	6572. 19-54	6572. 18-54	6572. 17-55	6572. 19-55	6572. 18-55
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Cnidaria/ Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	4	89	0	1	1	1	1	2	0	8	11	0	1	5
Oligochaeta	Tubificida	Naididae	—	—	<i>Dero digitata</i>	36	68904	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	1	0	0	0	0	0	0	0	1	0	0	0	4
					<i>Slavina appendiculata</i>	62	68856	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
					<i>Specaria josinae</i>	63	68985	0	0	9	0	0	0	0	0	2	0	0	0	0	0	3
					<i>Vejdovskyella comata</i>	65	69010	0	0	6	0	0	0	0	0	0	0	0	0	0	1	1
					<i>Uncinais uncinata</i>	3232	68990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	<i>Limnodrilus hoffmeisteri</i>	21	68639	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	1347	68585	1	2	3	2	4	1	0	0	1	2	2	0	0	1	2
					<i>Rhyacodrilus coccineus</i>	1404	68842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Tasserkidrilus americanus</i>	4503	n/a	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Enchytraeidae	—	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Basommatophora	Planorbidae	—	—	—	95	76591	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Valvata lewisi</i>	1175	70359	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia	—	—	—	—	—	1401	79118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Veneroida	Sphaeriidae	—	—	—	101	112737	48	15	0	20	5	0	12	2	0	26	7	0	20	5	0
					<i>Pisidium</i> sp.	103	81400	22	5	0	8	0	0	10	0	0	11	0	0	12	0	0
					<i>Sphaerium</i> sp.	104	81391	6	0	0	2	0	0	0	0	0	2	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part II

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-5														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-51	6572. 19-51	6572. 18-51	6572. 17-52	6572. 19-52	6572. 18-52	6572. 17-53	6572. 19-53	6572. 18-53	6572. 17-54	6572. 19-54	6572. 18-54	6572. 17-55	6572. 19-55	6572. 18-55
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Aturidae	—	—	—	3146	82973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	<i>Forelia</i> sp.	3094	83331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	3100	83330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
		Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ostracoda ^(c)	—	—	—	—	—	121	84195	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0
Insecta	Trichoptera	—	—	—	—	511	115095	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	—	570	115629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Oecetis</i> sp.	597	116607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	—	640	115867	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Chironomidae	Chironominae	Chironomini	—	926	129229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Chironomus</i> sp.	930	129254	16	1	3	10	14	0	8	1	1	6	13	3	4	7	1
					<i>Cladopelma</i> sp.	931	129350	2	2	4	2	5	0	0	2	0	2	3	1	0	3	1
					<i>Cryptochironomus</i> sp.	934	129368	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	3	0	0	2	0	0	1	0	0	0	0	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part II

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake														
								Station PL-5														
								15-Sep-13														
								Rep A			Rep B			Rep C			Rep D			Rep E		
								6572. 17-51	6572. 19-51	6572. 18-51	6572. 17-52	6572. 19-52	6572. 18-52	6572. 17-53	6572. 19-53	6572. 18-53	6572. 17-54	6572. 19-54	6572. 18-54	6572. 17-55	6572. 19-55	6572. 18-55
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Chironomini	Dicrotendipes sp.	944	129428	1	0	2	0	0	0	0	1	0	2	2	0	1	1	0
					Endochironomus sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Glyptotendipes sp.	950	129483	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
					Microtendipes pedellus gr.	956	n/a	31	3	6	9	1	0	14	1	0	17	2	0	17	3	0
					Parachironomus sp.	964	129564	0	0	2	0	1	0	2	2	0	0	1	0	0	0	1
					Paracladopelma sp.	966	129597	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratendipes sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Phaenopsectra sp.	973	129637	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
					Polypedilum scalaenum gr.	983	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
					Stenochironomus sp.	995	129746	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stictochironomus sp.	996	129785	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
					Pagastiella sp.	1368	129561	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Sergentia sp.	1422	129739	1	0	1	1	1	0	0	0	0	2	0	0	0	1	0
					Polypedilum halterale gr.	3320	n/a	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Polypedilum nubeculosum	4015	129695	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
					Dicrotendipes lobiger	8226	129443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	Pseudochironomus sp.	989	129851	0	3	0	0	0	0	1	0	0	0	0	0	0	0	1
				Tanytarsini	—	1003	129872	0	0	2	0	2	0	0	0	0	0	1	1	0	0	1
					Cladotanytarsus sp.	1006	129873	22	72	377	15	143	35	31	116	25	0	77	68	1	101	77
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					Stempellina sp.	1022	129962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					Stempellinella sp.	1023	129969	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
					Tanytarsus sp.	1029	129978	9	16	110	12	58	3	7	32	1	3	25	12	2	36	19
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
					Corynocera sp.	2297	129887	0	1	1	1	0	0	0	0	0	0	0	0	0	2	0

Table E1-1 Raw Benthic Invertebrate Abundance Data for the Lake Stations in the Jay Project Baseline Study Area, August and September 2013
Part II

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Paul Lake															
								Station PL-5															
								15-Sep-13															
								Rep A			Rep B			Rep C			Rep D			Rep E			
								6572. 17-51	6572. 19-51	6572. 18-51	6572. 17-52	6572. 19-52	6572. 18-52	6572. 17-53	6572. 19-53	6572. 18-53	6572. 17-54	6572. 19-54	6572. 18-54	6572. 17-55	6572. 19-55	6572. 18-55	
								1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	1 mm	500 µm	250 µm	
Insecta	Diptera	Chironomidae	Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
				Protanypini	<i>Protanypus</i> sp.	2230	128431	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Corynoneura</i> sp.	838	128563	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	1	0	3	0	1	3	0	0	2	0	2	5	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	15	10	70	22	47	6	20	18	6	21	22	15	26	28	18	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	1	0	14	2	8	1	1	3	1	0	3	0	1	1	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Heterotanytarsus</i> sp.	2253	128734	0	1	0	1	1	0	0	1	0	0	1	0	0	0	0	0
			Prodiamesinae	—	<i>Monodiamesa</i> sp.	822	128440	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia monilis</i>	769	128107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> sp.	772	128079	0	2	5	0	3	0	0	1	1	0	0	1	0	2	2	0
					<i>Larsia</i> sp.	789	128183	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
					—	798	128078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr. sp.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Ablabesmyia</i> (Karelia) sp.	3756	n/a	3	0	0	2	1	0	0	0	0	0	0	0	1	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	9	5	3	9	7	0	2	2	0	2	3	1	1	0	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total							195	144	720	127	306	48	116	188	40	97	175	116	90	202	137		
Percent sub-sampled							100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual Ekman grab samples (bottom sampling area 0.0232 square metres [m²]).
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Removed from analyses.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-2 Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013

Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage													
								Aa-3		Ab-3		Ac-3		Ac-6		Ac-9		Ad-3		Ae-3	
								27-Aug-13		26-Aug-13		24-Aug-13		19-Aug-13		24-Aug-13		17-Aug-13		16-Aug-13	
								6572. 04-1	6572. 16-1	6572. 04-2	6572. 16-2	6572. 04-3	6572. 16-3	6572. 04-4	6572. 16-4	6572. 04-5	6572. 16-5	6572. 04-6	6572. 16-6	6572. 04-7	6572. 16-7
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Nematoda ^(c)	—	—	—	—	—	67	59490	0	12	3	4	0	7	0	6	0	6	16	43	3	6
Oligochaeta	Tubificida	Naididae	—	—	<i>Nais</i> sp.	51	68946	0	1	0	0	0	1	0	0	0	1	1	15	4	36
			-	-	<i>Uncinais uncinata</i>	3232	68990	1	3	0	2	0	0	0	2	0	2	4	8	0	5
		Tubificidae	—	—	—	1347	68585	0	0	0	0	0	2	0	0	1	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	5	1	3	8	0	1	7	11	5	0	0	0
Bivalvia	Veneroida	Sphaeriidae	—	—	—	101	112737	1	14	0	1	0	0	2	0	0	0	0	0	0	0
			-	-	<i>Pisidium</i> sp.	103	81400	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastropoda	—	—	—	—	—	77	69459	0	0	4	1	6	18	0	3	3	10	0	6	4	4
	Basommatophora	Lymnaeidae	—	—	—	85	76483	0	0	0	0	0	0	0	0	0	0	0	0	0	2
			-	-	<i>Stagnicola</i> sp.	91	n/a	0	0	0	0	0	0	0	0	0	0	0	0	3	1
		Physidae	—	—	<i>Physa</i> sp.	93	76677	0	0	0	0	1	3	1	2	5	6	8	5	19	7
		Planorbidae	—	—	—	95	76591	0	0	0	2	0	2	0	6	0	6	0	29	0	25
			-	-	<i>Gyraulus</i> sp.	96	76592	45	28	0	0	28	5	14	4	9	5	31	40	12	34
	Heterostrophina	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	30	17	7	3	6	3	6	5	4	7	12	7	39	41
Ostracoda	—	—	—	—	—	121	84195	0	6	0	12	0	7	0	13	3	16	1	51	1	16
Acari	—	—	—	—	—	126	82754	0	0	0	1	1	0	0	0	0	0	0	1	0	0
	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobat</i> sp.	3040	83297	0	3	0	0	0	0	0	0	0	1	2	5	4	9
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	2	4	3	10	2	0	15	25	4	3	12	10	17	4
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	1	0	0	0	0	0	0	0	0	0	1
			—	—	<i>Piona</i> sp.	3102	83350	0	0	0	0	0	0	0	0	0	1	0	0	0	2
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	2	0	0	0	0	0	0	0	0	0	0	1	3
Insecta	Plecoptera	Capniidae	—	—	—	308	102643	0	0	0	1	0	0	0	1	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	0	0	0	0	0	0	0	7	3	2	20	0	8
					<i>Nemoura</i> sp.	339	102526	0	0	2	0	2	0	0	0	18	4	7	0	3	0
		Perlodidae	—	—	—	380	102994	0	0	0	0	0	0	0	0	1	1	0	0	0	0
					<i>Arcynopteryx/Skwala</i> sp.	8049	n/a	0	0	0	0	4	0	0	0	0	0	0	0	0	0
		Hemiptera	Corixidae	—	—	290	103364	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	1	0	0	0	2	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	4	0	3	2	7	1	6	2	10	1	4	3	19	3
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Table E1-2 Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013

Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage													
								Aa-3		Ab-3		Ac-3		Ac-6		Ac-9		Ad-3		Ae-3	
								27-Aug-13		26-Aug-13		24-Aug-13		19-Aug-13		24-Aug-13		17-Aug-13		16-Aug-13	
								6572. 04-1	6572. 16-1	6572. 04-2	6572. 16-2	6572. 04-3	6572. 16-3	6572. 04-4	6572. 16-4	6572. 04-5	6572. 16-5	6572. 04-6	6572. 16-6	6572. 04-7	6572. 16-7
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Insecta	Trichoptera	Limnephilidae	—	—	—	600	115933	0	0	2	0	1	0	1	1	0	0	2	0	1	1
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Agabus</i> sp.	430	111966	0	0	1	0	0	0	1	0	0	0	2	0	0	0
			Hydroporinae	—	<i>Oreodytes</i> sp.	435	112314	0	0	2	0	0	0	0	0	0	0	1	0	1	0
				-	<i>Stictotarsus</i> sp.	1419	568826	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	<i>Bezzia/Palpomyia</i> sp.	3034	n/a	0	0	0	0	0	0	0	0	0	0	0	0	1	0
			Dasyheleinae	—	<i>Dasyhelea</i> sp.	1962	127278	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	1	4	1	0	0	0	0	0	0	0	1	0	0	0
					<i>Demicryptochironomus</i> sp.	939	129421	1	0	2	0	0	0	1	0	0	0	3	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	1	0	0	0	3	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	3	1	4	0	0	0	0	2	0	3	7
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Glyptotendipes</i> sp.	950	129483	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	1	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0	0	0	0	0	0	1
					<i>Stictochironomus</i> sp.	996	129785	13	9	9	2	2	0	7	1	3	3	6	2	3	1
			Pseudochironomini	Tanytarsini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0	0	0	0	1
					—	1003	129872	0	0	0	0	0	0	0	0	1	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	0	5	0	0	0	0	0	0	0	0	2	7	1	0
					<i>Paratanytarsus</i> sp.	1015	129935	17	12	9	3	0	0	1	1	3	2	4	6	70	32
					<i>Tanytarsus</i> sp.	1029	129978	0	0	1	2	0	0	0	6	0	3	1	7	0	4
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	1	0	0	1	0	0	0	5	1	0	0
		Diamesinae	Diamesini	—	<i>Potthastia longimana</i> gr.	817	n/a	1	1	0	1	0	0	0	0	0	0	0	0	0	1
					—	826	128457	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	1	0	3	0	1	0	1	0	0	1	10	2	9
					<i>Cricotopus</i> sp.	853	128575	0	1	0	6	2	16	0	12	0	4	6	18	16	114
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	2	1	2	0	4	0	1	0	0	2	4	1	1
					<i>Hydrobaenus</i> sp.	868	128750	0	1	0	1	0	0	0	0	0	0	1	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	7	3	7	10	8	7	7	3	8	1	26	4
					<i>Parakiefferiella</i> sp.	894	128968	0	5	0	0	0	0	0	0	0	0	0	1	0	0

Table E1-2 Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013
Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lac du Sauvage													
								Aa-3		Ab-3		Ac-3		Ac-6		Ac-9		Ad-3		Ae-3	
								27-Aug-13		26-Aug-13		24-Aug-13		19-Aug-13		24-Aug-13		17-Aug-13		16-Aug-13	
								6572. 04-1	6572. 16-1	6572. 04-2	6572. 16-2	6572. 04-3	6572. 16-3	6572. 04-4	6572. 16-4	6572. 04-5	6572. 16-5	6572. 04-6	6572. 16-6	6572. 04-7	6572. 16-7
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Pseudosmittia</i> sp.	906	129071	1	3	1	0	1	7	0	1	0	1	5	10	1	3
					<i>Synorthocladius</i> sp.	915	129161	0	0	0	0	0	0	0	2	0	0	0	0	0	1
					<i>Zalutschia</i> sp.	924	129213	0	0	0	13	1	5	0	3	5	12	0	5	3	29
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	0	0	0	2	0	0	0	6	0	5	3
					<i>Psectrocladius</i> sp.	1036	129018	2	10	1	14	9	12	5	5	9	9	2	0	9	4
			Tanypodinae	Pentaneurini	<i>Ablabesmyia</i> sp.	772	128079	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr.	805	n/a	0	0	0	0	0	0	0	0	0	0	0	0	6	7
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	1	0	0	0	0	0	0	0	0	0	0
					<i>Procladius</i> sp.	799	128277	23	3	8	14	0	0	2	0	5	7	8	3	8	2
		Empididae	—	—	—	709	135830	4	3	0	0	0	0	1	0	0	0	4	0	1	0
					<i>Trichoclinocera</i> sp.	2020	135903	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		Muscidae	—	—	—	716	150025	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	—	<i>Tipula</i> sp.	764	119037	1	0	2	0	0	0	0	0	3	0	5	0	0
Total								150	151	76	112	90	116	74	111	108	128	183	319	287	432
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	100	100	100	100

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-2 Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1		Duchess Lake				Lake E1	
								Af-12		Af-3		Af-6		E-L1-3	
								12-Sep-13		20-Aug-13		15-Aug-13		23-Aug-13	
								6572.04-11	6572.16-11	6572.04-8	6572.16-8	6572.04-9	6572.16-9	6572.04-10	6572.16-10
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Nematoda ^(c)	—	—	—	—	—	67	59490	3	2	4	0	10	262	1	0
Oligochaeta	Tubificida	Naididae	—	—	<i>Nais</i> sp.	51	68946	0	1	0	0	2	23	0	0
					<i>Uncinaiis uncinata</i>	3232	68990	0	1	0	0	1	9	0	0
		Tubificidae	—	—	—	1347	68585	0	0	0	0	0	0	0	0
		Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	2	0	6	2	1	0	3	6
Bivalvia	Veneroida	Sphaeriidae	—	—	—	101	112737	0	3	0	0	0	0	15	25
					<i>Pisidium</i> sp.	103	81400	3	0	0	0	0	0	20	0
Gastropoda	Basommatophora	Lymnaeidae	—	—	—	77	69459	0	0	0	5	0	0	0	0
					—	85	76483	0	0	0	0	0	0	0	0
					<i>Stagnicola</i> sp.	91	n/a	0	0	0	0	0	0	0	0
		Physidae	—	—	<i>Physa</i> sp.	93	76677	1	0	2	0	0	0	0	0
					—	95	76591	0	0	3	4	0	0	0	0
		Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	1	0	11	1	0	0	0	0
					<i>Valvata</i> sp.	110	70346	2	0	46	23	0	0	0	0
	Heterostrophia	Valvatidae	—	—	—	121	84195	0	3	0	0	5	33	0	2
Ostracoda	—	—			—	126	82754	0	0	0	0	0	2	0	0
Acari	Trombidiformes	Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	2	22	0	1	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	1	13	7	2	8	0	0
		Limnesiidae	—	—	<i>Limnesia</i> sp.	3132	83051	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	9	0	0
					<i>Piona</i> sp.	3102	83350	0	0	0	0	2	7	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0
Insecta	Plecoptera	Capniidae	—	—	—	308	102643	0	0	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	7	3	0	1	0	1	0	0
					<i>Nemoura</i> sp.	339	102526	63	20	0	0	0	1	0	0
					—	380	102994	0	0	1	0	0	0	0	0
		Perlodidae	—	—	<i>Arcynopteryx/Skwala</i> sp.	8049	n/a	0	0	11	0	0	0	0	0
	Hemiptera	Corixidae	—	—	—	290	103364	0	0	0	0	1	0	0	0
					<i>Callicorixa</i> sp.	291	103514	1	0	0	0	0	0	0	0
	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	6	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	6	1	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	1	0	0	1	8	7	1	0
		Limnephilidae	—	—	—	600	115933	0	0	3	0	0	0	0	0

Table E1-2 Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1		Duchess Lake				Lake E1	
								Af-12		Af-3		Af-6		E-L1-3	
								12-Sep-13		20-Aug-13		15-Aug-13		23-Aug-13	
								6572.04-11	6572.16-11	6572.04-8	6572.16-8	6572.04-9	6572.16-9	6572.04-10	6572.16-10
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm
Insecta	Trichoptera	Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	2	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Agabus</i> sp.	430	111966	3	0	1	0	0	0	0	0
			Hydroporinae	—	<i>Oreodytes</i> sp.	435	112314	1	0	5	0	9	1	1	0
					<i>Stictotarsus</i> sp.	1419	568826	3	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	<i>Bezzia/Palpomyia</i> sp.	3034	n/a	3	0	0	0	0	1	0	0
			Dasyheleinae	—	<i>Dasyhelea</i> sp.	1962	127278	0	0	0	0	0	0	1	2
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	2	0	0	0	2	1	0	0
					<i>Demicryptochironomus</i> sp.	939	129421	2	0	0	1	0	2	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	30	0	0	0	0	1	10	4
					<i>Dicrotendipes</i> sp.	944	129428	12	11	0	6	1	0	1	3
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	2	1
					<i>Glyptotendipes</i> sp.	950	129483	2	0	0	0	0	0	1	2
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	2	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	1	20	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	8	1	0	0	26	31	8	7
			Pseudochironomini	—	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0
					—	1003	129872	0	0	0	0	0	1	0	1
			Tanytarsini	—	<i>Cladotanytarsus</i> sp.	1006	129873	42	52	0	3	16	428	6	20
					<i>Paratanytarsus</i> sp.	1015	129935	1	2	0	2	0	2	7	23
					<i>Tanytarsus</i> sp.	1029	129978	51	181	0	0	0	5	1	1
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0
					<i>Potthastia longimana</i> gr.	817	n/a	0	3	0	0	0	4	0	0
		Orthocladiinae	—	—	—	826	128457	0	0	1	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	1	1	1	11	1	8	0	0
					<i>Cricotopus</i> sp.	853	128575	5	5	0	0	1	1	0	1
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	2	0	1	0	0	3	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	1
					<i>Orthocladius</i> sp.	890	128874	0	0	0	2	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	2
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	3	0	0

Table E1-2 Raw Benthic Invertebrate Abundance Data for the Littoral Stations in Lakes in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Lake Af1		Duchess Lake				Lake E1		
								Af-12		Af-3		Af-6		E-L1-3		
								12-Sep-13		20-Aug-13		15-Aug-13		23-Aug-13		
								6572.04-11	6572.16-11	6572.04-8	6572.16-8	6572.04-9	6572.16-9	6572.04-10	6572.16-10	
								1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	1 mm	500 µm	
Insecta	Diptera	Chironomidae	Orthocladiinae	—	<i>Synorthocladius</i> sp.	915	129161	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	12	9	0	0	0	1	5	10	
					<i>Orthocladius</i> complex	1031	n/a	0	0	0	1	0	0	0	0	
					<i>Psectrocladius</i> sp.	1036	129018	12	1	0	1	0	1	0	0	
			Tanypodinae	Pentaneurini	<i>Ablabesmyia</i> sp.	772	128079	0	0	1	0	0	0	0	0	0
					<i>Thienemannimyia</i> gr.	805	n/a	0	0	0	1	0	0	0	0	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	3
				Procladiini	<i>Procladius</i> sp.	799	128277	6	1	0	0	19	18	4	0	0
		Empididae	—	—	—	709	135830	0	0	0	0	5	1	1	0	
					<i>Trichoclinocera</i> sp.	2020	135903	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	
		Tipulidae	—	—	<i>Tipula</i> sp.	764	119037	0	0	0	0	1	0	1	0	
Total								282	301	124	95	114	896	93	114	
Percent sub-sampled								100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September, 2013

Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream Ab1									
								12-Sep-13									
								Station Ab-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-11	6572.10-11	6572.02-12	6572.10-12	6572.02-13	6572.10-13	6572.02-14	6572.10-14	6572.02-15	6572.10-15
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	27	0	2	34	104	0	960
Turbellaria	—	—	—	—	—	2	53964	0	0	0	11	0	6	0	8	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	4	0	29	4	6	23	72	1	0
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	64
					<i>Nais</i> sp.	51	68946	0	0	0	3	0	0	2	8	1	32
					<i>Pristina jenkiniae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
	Tubificidae	—	—	—	—	1347	68585	0	0	2	5	1	0	0	0	0	0
Gastropoda	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	9	3	3	0	7	0	6	0
	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	1	0	0	0	0	0
Bivalvia	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	14	10	0	0	0	0
	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	0	0	0	0	0	0	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	8	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	2	0	0	0	0
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	3	1	0	0	8	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	1	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
Ostracoda	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	2	0	0	0	0
	—	—	—	—	—	121	84195	0	14	0	61	0	16	0	48	0	384
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
	Ephemeroptera	Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	0	1	0	0	0	0	0	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
					—	333	102517	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	<i>Nemoura</i> sp.	339	102526	0	0	0	3	0	2	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September, 2013
Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream Ab1									
								12-Sep-13									
								Station Ab-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-11	6572.10-11	6572.02-12	6572.10-12	6572.02-13	6572.10-13	6572.02-14	6572.10-14	6572.02-15	6572.10-15
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	1	0	5	0	1	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	0	0	0	0	0	0	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	1	0	2	0	6	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	1	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	1	0	0	0	0	0
		Haliplidae	—	—	<i>Haliphus</i> sp.	486	111858	0	0	0	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	0	0	0	0	0	0	0	0	0	0
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	0	0	0	0	0	0	0	0	0	0
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	0	2	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	1	0	0	0
					<i>Demicryptochironomus</i> sp.	939	129421	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	8	0	0	0	8	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	3	0	3	1	0	2	0	1	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	1	0	2	3	5	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	2	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September, 2013
Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream Ab1									
								12-Sep-13									
								Station Ab-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-11	6572.10-11	6572.02-12	6572.10-12	6572.02-13	6572.10-13	6572.02-14	6572.10-14	6572.02-15	6572.10-15
	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm					
Insecta	Diptera	Chironomidae	Chironominae	Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	
				Tanytarsini	—	1003	129872	0	0	0	0	0	4	0	24	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	0	1	0	0	0	0	0	0	0	0
					<i>Constempellina</i> sp.	1007	129884	0	0	0	0	0	2	0	0	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	0	4	31	35	43	50	4	16	9	0
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	8	0	0
					<i>Tanytarsus</i> sp.	1029	129978	0	13	4	75	17	86	0	40	9	192
					<i>Micropsectra</i> sp.	1054	129890	0	11	0	43	3	8	6	8	0	32
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	2	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	1	1	3	3	0	2	0	2	0
					<i>Pseudokiefferiella</i> sp.	2228	128423	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	13	0	120	12	28	0	8	2	0
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	0	46	14	315	95	144	124	888	15	3,456
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	3	0	16	2	2	0	0	1	32
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	0	0	0
					<i>Nanocladius</i> sp.	878	128844	0	0	0	3	0	0	1	40	0	64
					<i>Orthocladius annectens</i>	882	128878	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	2	0	0	2	1	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	0	0	0	0	0	0	0
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	0	0	0	0	0	0	0
					<i>Pseudosmittia</i> sp.	906	129071	0	0	1	0	3	0	0	0	0	0
					<i>Synorthocladius</i> sp.	915	129161	0	0	0	21	0	10	0	8	0	0
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	0
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	23	1	96	1	4	64	704	179	1,312
					<i>Zalutschia</i> sp.	924	129213	1	0	0	5	1	4	0	16	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	21	0	56	0	60	0	128	267	96
					<i>Psectrocladius</i> sp.	1036	129018	0	3	3	3	10	0	2	0	0	32
					<i>Doncricotopus</i> sp.	2248	128680	0	52	1	147	63	258	51	976	248	5,024
					<i>Euryhapsis</i> sp.	2249	128707	0	0	0	0	0	0	0	0	0	0
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September, 2013
Part A

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream Ab1									
								12-Sep-13									
								Station Ab-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-11	6572.10-11	6572.02-12	6572.10-12	6572.02-13	6572.10-13	6572.02-14	6572.10-14	6572.02-15	6572.10-15
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	5	0	2	1	0	0	0
					<i>Thienemannimyia</i> gr.	805	n/a	0	0	2	3	8	12	2	0	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	1	0	0	0	0	0	0	0
			Procladiini	<i>Procladius</i> sp.	799	128277	0	2	4	3	6	0	1	0	1	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	0	0	0	0	0
					<i>Simulium</i> sp.	738	126774	0	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	—	<i>Tipula</i> sp.	764	119037	0	0	1	0	0	0	0	0	0
Total								2	215	83	1,104	308	724	336	3,128	742	11,680
Percent sub-sampled								100	100	100	38	100	50	100	13	100	3

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Corbiculoidea is a sub-order of Veneroida.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-16	6572.10-16	6572.02-17	6572.10-17	6572.02-18	6572.10-18	6572.02-19	6572.10-19	6572.02-20	6572.10-20
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	19	0	1	0	0	0	2	0	0
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	6	0	0	0	0	0	0	0	0
					<i>Pristina jenkinsae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	—	1347	68585	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	3	0
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	2	0	1	0	1	0	0	0	2	7
					<i>Pisidium</i> sp.	103	81400	1	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobatas</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	13	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	0	13	0	2	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
Ostracoda	—	—	—	—	—	121	84195	0	0	0	0	0	0	0	5	2	0
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
		Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	1	0	4	0	0	0	0	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	0	0	0	0	0	0	0	0	0
					<i>Nemoura</i> sp.	339	102526	1	0	0	1	0	0	1	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-16	6572.10-16	6572.02-17	6572.10-17	6572.02-18	6572.10-18	6572.02-19	6572.10-19	6572.02-20	6572.10-20
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	0	0	0	0	0	0	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	1	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
	Coleoptera	Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
		Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
	Diptera	Halipidae	—	—	<i>Halipus</i> sp.	486	111858	0	0	0	0	0	0	0	0	0	0
		Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	9	0	0	0	0	2	5	5	5	2
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	8	6	2	2	3	3	3	1	3	2
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	2	6	1	2	0	2	2	1	0	2
					<i>Demicrocryptochironomus</i> sp.	939	129421	0	0	0	0	1	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	3	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	2	6	0	0	0	0	0	0	0	2
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	6	0	0	0	0	0	1	0	15
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	1	0	0	0	0	0	0
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	29	211	12	103	0	8	3	28	4	121
					<i>Polypedilum sordens</i>	985	129712	0	0	1	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	1	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0
				Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	27	1,210	1	47	0	30	0	104	11	401

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2										
								13-Sep-13										
								Station E-S2-1										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.02-16	6572.10-16	6572.02-17	6572.10-17	6572.02-18	6572.10-18	6572.02-19	6572.10-19	6572.02-20	6572.10-20	
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	<i>Constempellina</i> sp.	1007	129884	0	51	0	2	0	2	1	2	1	25	
					<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	2	0	0	1	1	0	0	
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	9	58	0	6	0	1	0	2	0	0	
					<i>Stempellinella</i> sp.	1023	129969	0	6	0	0	0	0	0	1	0	2	
					<i>Tanytarsus</i> sp.	1029	129978	12	198	2	31	1	6	1	58	1	121	
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0	
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0	
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	1	1	0	0	0	0	0	0
					<i>Pseudokiefferiella</i> sp.	2228	128423	0	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	19	0	7	0	1	0	11	0	2	
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	6	32	0	40	1	4	0	11	0	0	
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0	
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0	
					<i>Limnophyes</i> sp.	870	128776	0	6	0	1	0	0	0	0	0	0	
					<i>Nanocladius</i> sp.	878	128844	0	6	0	2	0	0	0	6	0	0	
					<i>Orthocladius annectens</i>	882	128878	0	0	0	5	0	0	0	0	0	0	
					<i>Orthocladius</i> sp.	890	128874	1	0	0	0	0	0	0	0	0	0	
					<i>Parakiefferiella</i> sp.	894	128968	21	218	14	113	0	4	2	43	2	94	
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	1	0	0	0	0	0	0	
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	0	0	0	0	0	
					<i>Synorthocladius</i> sp.	915	129161	2	19	0	2	0	0	0	0	0	0	
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	0	
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	6	0	0	0	0	0	0	0	0	
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0	
					<i>Orthocladius</i> complex	1031	n/a	0	6	3	3	0	0	2	6	0	2	
					<i>Psectrocladius</i> sp.	1036	129018	0	6	0	3	1	0	0	1	0	0	
					<i>Doncricotopus</i> sp.	2248	128680	2	26	0	15	0	1	0	8	0	0	
					<i>Euryhapsis</i> sp.	2249	128707	0	0	0	0	0	0	0	0	0	0	
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0	

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part B

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-16	6572.10-16	6572.02-17	6572.10-17	6572.02-18	6572.10-18	6572.02-19	6572.10-19	6572.02-20	6572.10-20
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	1	0	0	
					<i>Thienemannimyia</i> gr.	805	n/a	14	19	7	14	0	0	1	1	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	1	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	0	0	1	0	0	0	0	0	2	0
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	0	0	0	0	0
					<i>Simulium</i> sp.	738	126774	1	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	<i>Tipula</i> sp.	764	119037	0	0	0	0	0	0	0	0	0	0
Total								156	2,176	50	407	9	64	22	299	36	800
Percent sub-sampled								100	16	100	100	100	100	100	100	100	41

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Corbiculoidea is a sub-order of Veneroida.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-2									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-21	6572.10-21	6572.02-22	6572.10-22	6572.02-23	6572.10-23	6572.02-24	6572.10-24	6572.02-25	6572.10-25
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	1	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	6	56	2	21	0	8	0	6	0	1
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Pristina jenkinsae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	—	1347	68585	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	8	0	0	2	0	0	0	0	0
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	0	0	0	0	0	0	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	1	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	2	0	0	0	1
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	5	0	0	0	1	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	9	32	1	5	2	8	1	0	0	1
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	3	0	0	0	0	0	0
Ostracoda	—	—	—	—	—	121	84195	0	16	0	16	0	4	0	10	0	2
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
		Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	0	0	0	0	0	0	0	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	0	0	0	0	0	0	0	0	0
					<i>Nemoura</i> sp.	339	102526	13	32	4	11	7	12	2	2	1	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-2									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-21	6572.10-21	6572.02-22	6572.10-22	6572.02-23	6572.10-23	6572.02-24	6572.10-24	6572.02-25	6572.10-25
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	7	32	1	3	0	0	1	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	1	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
		Haliplidae	—	—	<i>Halipilus</i> sp.	486	111858	0	0	0	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	0	0	0	0	0	0	0	0	0	0
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	12	0	3	0	3	2	0	0	0	0
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Demicroptochironomus</i> sp.	939	129421	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	1	0	0	0	0	0	0	0	0	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	1	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	3	0	0	0	0	0	0	0	0	0
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	56	6	61	3	40	7	58	0	2
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	3	0	4	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-2									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-21	6572.10-21	6572.02-22	6572.10-22	6572.02-23	6572.10-23	6572.02-24	6572.10-24	6572.02-25	6572.10-25
	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm					
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	0	
					<i>Cladotanytarsus</i> sp.	1006	129873	0	8	2	3	0	14	2	29	0	1
					<i>Constempellina</i> sp.	1007	129884	0	64	0	8	0	14	0	1	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	2	2	0	3	0	0
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	616	1,288	97	245	98	156	49	45	2	7
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	6	192	2	53	0	94	1	50	0	1
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	1	8	0	3	2	2	0	0	0	0
					<i>Pseudokiefferiella</i> sp.	2228	128423	0	0	0	0	0	0	0	0	1	0
			Orthocladiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	1	5	0	0	0	0	0	0
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	31	56	16	61	15	14	3	15	1	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	0	0	0
					<i>Nanocladius</i> sp.	878	128844	0	40	1	32	0	32	0	5	0	5
			Orthocladiinae	—	<i>Orthocladius annectens</i>	882	128878	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	8	2	16	1	30	2	37	0	1
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	0	0	0	0	0	0	0
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	0	0	0	0	0
					<i>Synorthocladius</i> sp.	915	129161	13	488	8	192	0	136	1	40	0	2
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	0
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	24	0	0	0	22	0	24	0	1
					<i>Psectrocladius</i> sp.	1036	129018	3	0	5	0	5	0	10	0	1	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	13	0	0	0	5	0	0
					<i>Euryhapsis</i> sp.	2249	128707	0	0	0	0	0	0	0	0	0	0
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013

Part C

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_ TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-2									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-21	6572.10-21	6572.02-22	6572.10-22	6572.02-23	6572.10-23	6572.02-24	6572.10-24	6572.02-25	6572.10-25
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	0	0	0	0
					Thienemannimyia gr.	805	n/a	115	240	88	83	121	128	82	27	5	3
					Ablabesmyia (Karelia) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0
				Procladiini	Procladius sp.	799	128277	1	0	1	3	0	0	0	1	0	0
		Empididae	—	—	—	709	135830	0	0	1	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	0	0	0	0	0
					Simulium sp.	738	126774	1	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	—	Tipula sp.	764	119037	1	0	1	0	6	0	3	0	1
Total								841	2,648	242	843	270	720	169	361	12	28
Percent sub-sampled								100	13	100	38	100	50	100	88	100	100

Note: Abundance data are reported as number of organisms per sample.

Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.

a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.

b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.

c) Corbiculoidea is a sub-order of Veneroida.

EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-3									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-26	6572.10-26	6572.02-27	6572.10-27	6572.02-28	6572.10-28	6572.02-29	6572.10-29	6572.02-30	6572.10-30
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	1	2	0
Nematoda ^(c)	—	—	—	—	—	67	59490	1	300	0	4	2	49	2	157	1	95
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	48	0	2	0	4	0	14	3	9
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	4	0	0	0	2	0	2	0	0
					<i>Pristina jenkinsae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	1	0	0
		Tubificidae	—	—	—	1347	68585	4	8	0	2	1	9	1	7	0	2
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	4	0	6	1	0	4	4	0	0
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	0	0	0	0	0	0	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	1	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	2	8	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	2	0	0	0	0	0	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	1	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	16	0	0	0	0	0	0	0	5
Ostracoda	—	—	—	—	—	121	84195	0	80	0	10	0	5	0	2	0	17
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
		Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	0	0	0	0	0	0	0	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	2	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	0	0	0	0	0	0	0	0	0
					<i>Nemoura</i> sp.	339	102526	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013

Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-3									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-26	6572.10-26	6572.02-27	6572.10-27	6572.02-28	6572.10-28	6572.02-29	6572.10-29	6572.02-30	6572.10-30
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	0	0	0	0	0	0	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	1	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	1	0	0	0	0	1	0	0	2	2
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	1	0	0	0	0	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
		Haliplidae	—	—	<i>Halipilus</i> sp.	486	111858	0	0	0	0	0	0	0	1	4	1
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	0	0	0	0	1	0	0	0	0	0
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	9	0	8	0	10	0	6	1	19	1
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	2	4	6	4	11	0	5	1	8	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	4	2	0	0	0	1	0	1	0
					<i>Demicroptochironomus</i> sp.	939	129421	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	11	20	14	2	10	2	2	4	12	1
					<i>Dicrotendipes</i> sp.	944	129428	7	0	0	12	8	0	6	0	8	7
					<i>Endochironomus</i> sp.	948	129470	0	0	1	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	41	4	37	75	36	2	48	0	114	3
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	1	12	0	38	0	2	1	4	0	15
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	8	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	4	48	4	38	8	0	4	3	1	4
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	1	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	1	4	0	2	1	0	0	0	0	1
					<i>Stictochironomus</i> sp.	996	129785	28	104	38	94	35	21	42	33	46	13
					<i>Sergentia</i> sp.	1422	129739	21	8	51	0	31	0	22	0	107	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	2	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-3									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-26	6572.10-26	6572.02-27	6572.10-27	6572.02-28	6572.10-28	6572.02-29	6572.10-29	6572.02-30	6572.10-30
	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm					
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	—	1003	129872	0	0	0	12	0	0	0	0	0	0
					<i>Cladotanytarsus</i> sp.	1006	129873	20	352	6	119	42	56	16	48	25	32
					<i>Constempellina</i> sp.	1007	129884	0	0	0	4	0	1	0	0	1	6
					<i>Paratanytarsus</i> sp.	1015	129935	2	0	1	6	3	2	0	2	3	3
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	0	0	0	2	0	0	1	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	22	132	3	94	40	26	10	27	17	32
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	1	0	0	2	0	0	0	0	2	1
					<i>Pseudokiefferiella</i> sp.	2228	128423	0	0	0	0	0	0	0	0	0	0
			Orthocladiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	12	0	0	0	4	0	2	0	2
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	1	0	0	4	0	0	0	0	0	1
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	1	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	0	0	0
					<i>Nanocladius</i> sp.	878	128844	0	0	0	2	0	0	0	0	0	1
					<i>Orthocladius annectens</i>	882	128878	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	1	16	1	6	0	1	0	1	2	2
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	0	0	0	0	0	0	0
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	0	0	0	0	0
					<i>Synorthocladius</i> sp.	915	129161	0	0	0	0	0	0	0	0	0	0
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	0
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	8	0	0	0	1	0	2	0	0
					<i>Psectrocladius</i> sp.	1036	129018	1	16	0	4	3	4	2	0	2	5
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0
					<i>Euryhapsis</i> sp.	2249	128707	0	0	0	0	0	0	0	0	0	0
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part D

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								14-Sep-13									
								Station E-S2-3									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-26	6572.10-26	6572.02-27	6572.10-27	6572.02-28	6572.10-28	6572.02-29	6572.10-29	6572.02-30	6572.10-30
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr.	805	n/a	0	0	0	6	0	0	0	1	1	
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	2	0	0	2	7	1	1	0	5	1
				Procladiini	<i>Procladius</i> sp.	799	128277	38	144	19	17	19	19	15	17	23	14
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	0	0	0	0	0
					<i>Simulium</i> sp.	738	126774	0	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	—	<i>Tipula</i> sp.	764	119037	3	0	0	0	0	0	0	0	3
Total								229	1,356	191	578	270	215	189	335	412	277
Percent sub-sampled								100	25	100	52	100	100	100	98	100	100

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Corbiculoidea is a sub-order of Veneroida.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013

Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-4									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-31	6572.10-31	6572.02-32	6572.10-32	6572.02-33	6572.10-33	6572.02-34	6572.10-34	6572.02-35	6572.10-35
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	5	0	0	1	13
Nematoda ^(c)	—	—	—	—	—	67	59490	1	7	5	104	1	170	1	19	2	290
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	0	1	0	1	0	0	1	0
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	1	0	0	0	1	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	1	0	0	0	2	0	0	0	2
					<i>Pristina jenkinsae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	1	0	2	0	0
		Tubificidae	—	—	—	1347	68585	0	0	6	6	1	1	1	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	1	0	5	2	0	1	1	0	2	0
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophra	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	1	0	0	0	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	1	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	1	0	0	0	0	0	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	3	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	2	1	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	2	2	0	0	0	6	0	0	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	2
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	5	0	0	0	6	0	0	0	0
Ostracoda	—	—	—	—	—	121	84195	2	4	0	11	0	27	0	14	0	55
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
		Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	1	0	0	0	0	0	0	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	1	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	0	0	0	0	0	0	0	0	0
					<i>Nemoura</i> sp.	339	102526	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-4									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-31	6572.10-31	6572.02-32	6572.10-32	6572.02-33	6572.10-33	6572.02-34	6572.10-34	6572.02-35	6572.10-35
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	0	0	0	0	0	0	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	2	0	1	1	1	0	0	0	1	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	1	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
		Haliplidae	—	—	<i>Haliphus</i> sp.	486	111858	1	0	0	0	0	0	0	0	2	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	5	0	3	0	1	0	4	0	0	0
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	39	0	4	0	7	3	1	0	12	0
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	5	0	1	0	2	0	1	0	1	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	2	0	0	0	0	0	0	0
					<i>Demicroptochironomus</i> sp.	939	129421	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	21	0	8	1	22	0	7	1	6	9
					<i>Dicrotendipes</i> sp.	944	129428	25	0	5	0	0	8	0	0	7	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	217	0	35	0	35	3	12	0	33	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
				Chironomini	<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	4	0	0	2	1	2	0	0	0	0
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	4	0	16	29	0	19	12	9	5	28
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	2	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	4	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	3	0	3	6	0	0	0	1	0	2
					<i>Sergentia</i> sp.	1422	129739	5	0	5	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-4									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-31	6572.10-31	6572.02-32	6572.10-32	6572.02-33	6572.10-33	6572.02-34	6572.10-34	6572.02-35	6572.10-35
	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm					
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	—	1003	129872	0	1	0	0	0	0	0	0	0	
					<i>Cladotanytarsus</i> sp.	1006	129873	27	4	61	36	7	70	11	14	10	70
					<i>Constempellina</i> sp.	1007	129884	3	8	0	6	1	33	0	11	1	55
					<i>Paratanytarsus</i> sp.	1015	129935	20	0	18	1	3	13	6	1	4	0
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	0	1	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	28	4	54	27	3	104	29	33	13	188
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Pseudokiefferiella</i> sp.	2228	128423	0	0	0	0	0	0	0	0	0	0
			Orthocladiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	0	0	8	0	0	0	0
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	1	1	0	0	0	7	1	0	0	7
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	2
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	1	0	0	0	0	0	0	0	0
					<i>Nanocladius</i> sp.	878	128844	0	0	0	0	0	1	0	0	0	7
					<i>Orthocladius annectens</i>	882	128878	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	2
					<i>Parakiefferiella</i> sp.	894	128968	15	6	1	0	3	45	0	9	0	35
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	0	0	0	0	0	0	0
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	0	0	0	0	0
					<i>Synorthocladius</i> sp.	915	129161	0	0	0	0	0	0	0	0	0	0
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	0
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	1	0	0	0
					<i>Orthocladius</i> complex	1031	n/a	0	0	1	2	0	0	0	0	0	0
					<i>Psectrocladius</i> sp.	1036	129018	7	2	1	1	2	71	2	3	0	2
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	1	0	0	0	0	0	0
					<i>Euryhapsis</i> sp.	2249	128707	0	0	0	0	0	0	0	0	0	0
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013

Part E

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-4									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-31	6572.10-31	6572.02-32	6572.10-32	6572.02-33	6572.10-33	6572.02-34	6572.10-34	6572.02-35	6572.10-35
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr.	805	n/a	0	0	0	0	2	1	0	0	1	0
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	16	0	6	1	8	2	5	0	9	2
				Procladiini	<i>Procladius</i> sp.	799	128277	51	0	20	2	20	16	11	6	16	15
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	3	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	0	0	0	0	0
					<i>Simulium</i> sp.	738	126774	0	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	<i>Tipula</i> sp.	764	119037	1	0	0	0	0	0	0	0	0	0
Total								513	52	261	240	129	630	106	123	127	785
Percent sub-sampled								100	100	100	100	100	88	100	100	100	46

Note: Abundance data are reported as number of organisms per sample.

Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.

a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.

b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.

c) Corbiculoidea is a sub-order of Veneroida.

EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;

— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-5									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-36	6572.10-36	6572.02-37	6572.10-37	6572.02-38	6572.10-38	6572.02-39	6572.10-39	6572.02-40	6572.10-40
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	2	112	19	28	0	7	0	4	1	52
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	2	4	0	0	0	0	0	0
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	1	0	0	0	0
					<i>Pristina jenkinsae</i>	58	n/a	0	0	0	4	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	—	1347	68585	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	3	0	0	0	0	0	0	0
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostrophia	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	6	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	3	8	1	0	1	0	0	0	4	32
					<i>Pisidium</i> sp.	103	81400	0	0	1	0	0	0	0	0	2	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	4	1	4	0	2	0	0
					<i>Atractides</i> sp.	3041	83282	0	24	0	36	0	1	0	1	1	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	1	8	1	7	0	2	3	24
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	1	16	10	24	1	4	0	2	1	36
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	16	0	1	0	0	0	4
Ostracoda	—	—	—	—	—	121	84195	0	0	0	16	0	8	0	6	0	0
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	1	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
	Ephemeroptera	Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	5	0	6	0	1	0	0	0	4	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	0	0	0	0	0	0	0	0	0
					<i>Nemoura</i> sp.	339	102526	2	0	2	0	3	5	0	0	1	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-5									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-36	6572.10-36	6572.02-37	6572.10-37	6572.02-38	6572.10-38	6572.02-39	6572.10-39	6572.02-40	6572.10-40
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	8	1	0	0	0	0	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	8
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	1	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
		Haliplidae	—	—	<i>Halipilus</i> sp.	486	111858	0	0	0	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	0	0	1	0	0	0	0	0	0	0
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	3	0	6	0	3	1	0	0	1	0
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	0	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	4	0	0	0	1	0	0
					<i>Demicroptochironomus</i> sp.	939	129421	0	0	2	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	1	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	1	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	1	0	0	0	0	0	0	1	0	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
				Chironomini	<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	1	24	1	0	1	7	0	12	1	152
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-5									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-36	6572.10-36	6572.02-37	6572.10-37	6572.02-38	6572.10-38	6572.02-39	6572.10-39	6572.02-40	6572.10-40
	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm					
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	—	1003	129872	0	0	0	0	0	0	1	0	4	
					<i>Cladotanytarsus</i> sp.	1006	129873	6	200	19	48	0	17	0	0	0	168
					<i>Constempellina</i> sp.	1007	129884	1	56	3	52	0	67	0	13	0	28
					<i>Paratanytarsus</i> sp.	1015	129935	1	0	1	0	0	1	0	18	0	0
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	28	448	582	664	1	4	0	5	8	56
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	5	568	13	92	4	105	0	20	3	188
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	2	0	3	0	0	0	0	0	0	0
					<i>Pseudokiefferiella</i> sp.	2228	128423	2	0	25	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	24	0	0	0	0	0	1	0	4
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Cricotopus</i> sp.	853	128575	26	448	86	156	4	24	1	26	12	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	4	0	0	0	0	0	0
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	0	0	0
					<i>Nanocladius</i> sp.	878	128844	0	144	4	136	0	11	0	1	0	32
					<i>Orthocladius annectens</i>	882	128878	0	0	0	0	0	0	0	0	0	16
					<i>Orthocladius</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	1	40	9	44	1	5	0	10	2	84
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	0	0	0	0	0	0	0
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	0	0	0	0	0
					<i>Synorthocladius</i> sp.	915	129161	0	272	19	192	0	57	0	23	0	140
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	4
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	16	0	0	0	0	0	4	0	24
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	4
					<i>Orthocladius</i> complex	1031	n/a	0	48	1	28	0	0	0	3	1	4
					<i>Psectrocladius</i> sp.	1036	129018	0	0	2	0	0	0	0	0	0	0
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	5	0	8	0	4
					<i>Euryhapsis</i> sp.	2249	128707	1	0	0	0	0	0	0	0	0	4
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0



Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part F

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream E2									
								13-Sep-13									
								Station E-S2-5									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-36	6572.10-36	6572.02-37	6572.10-37	6572.02-38	6572.10-38	6572.02-39	6572.10-39	6572.02-40	6572.10-40
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr.	805	n/a	33	304	153	92	45	73	4	15	17	208
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	0	0	2	0	1	0	0	0	0	0
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	2	0	0	0	0	0	0	0	1	0
					<i>Simulium</i> sp.	738	126774	7	16	3	8	0	8	0	2	1	4
		Tipulidae	—	—	<i>Tipula</i> sp.	764	119037	4	0	2	0	2	0	0	0	2	0
Total								143	2,776	984	1,660	71	427	5	181	67	1,284
Percent sub-sampled								100	13	100	25	100	75	100	100	100	25

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Corbiculoidea is a sub-order of Veneroida.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream G1									
								5-Aug-13									
								Station G-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-6	6572.10-6	6572.02-7	6572.10-7	6572.02-8	6572.10-8	6572.02-9	6572.10-9	6572.02-10	6572.10-10
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	1	15	0	5	0	0	1	3	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	3	11	5	12	0	26	1	2	0	6
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	0	0	0	0	0	0	0	0
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	5	1	2	0	0	0	1	0	0
					<i>Pristina jenkiniae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
	Tubificidae	—	—	—	—	1347	68585	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	0	0	0	0	0	1
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostropho	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	2	1	1	0	0	2	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	0	0	0	0	0	0	0	0	0	0
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	0	0	0	0	0	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	7	0	10	0	4	0	4	0	4
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	1	0	0	0	0	4	0	1
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	1	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	0	5	0	2	0	1	4	4	1	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	0	0	0	0	0	0	0
Ostracoda	—	—	—	—	—	121	84195	0	0	0	5	0	0	0	1	0	0
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	1	0	0	0	0	0	0	0	0	0
		Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	3	0	2	0	0	0	1	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	—	333	102517	0	5	0	2	0	0	0	8	0	1
					<i>Nemoura</i> sp.	339	102526	6	0	7	0	1	3	4	4	0	3

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream G1									
								5-Aug-13									
								Station G-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-6	6572.10-6	6572.02-7	6572.10-7	6572.02-8	6572.10-8	6572.02-9	6572.10-9	6572.02-10	6572.10-10
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	0	0	0	0	0	1	2	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	1	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
		Haliplidae	—	—	<i>Haliphus</i> sp.	486	111858	0	0	0	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	0	0	0	0	0	0	0	0	0	0
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	0	0	0	0	0	0	0	0	0	0
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	0	0	0	1	0	0	0	0	0	0
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	934	129368	0	0	0	0	0	0	0	0	0	0
					<i>Demicryptochironomus</i> sp.	939	129421	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	0	0	0	0	0	0	1
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
				Chironomini	<i>Paratendipes</i> sp.	970	129623	0	0	0	0	0	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	0	1	0	0	0	0	0	1
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	0	0	0	0	0	0	0	0	0
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream G1									
								5-Aug-13									
								Station G-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-6	6572.10-6	6572.02-7	6572.10-7	6572.02-8	6572.10-8	6572.02-9	6572.10-9	6572.02-10	6572.10-10
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm		
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	—	1003	129872	0	0	0	0	0	0	0	0	2	
					Cladotanytarsus sp.	1006	129873	0	1	0	1	0	7	0	3	0	2
					Constempellina sp.	1007	129884	0	0	0	0	0	0	0	0	0	0
					Paratanytarsus sp.	1015	129935	0	0	0	0	0	0	0	0	0	0
					Rheotanytarsus exiguus gr.	1017	n/a	2	78	40	54	1	3	9	26	0	0
					Stempellinella sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					Tanytarsus sp.	1029	129978	0	1	1	2	0	0	0	2	0	1
					Micropsectra sp.	1054	129890	0	0	0	0	0	0	0	0	0	0
					Corynocera sp.	2297	129887	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	Potthastia longimana gr.	817	n/a	0	0	0	0	0	0	0	0	0	0
					Pseudokiefferiella sp.	2228	128423	1	2	0	1	0	0	2	2	0	0
			Orthocladiinae	—	—	826	128457	0	5	0	0	0	0	0	0	0	0
					Corynoneura sp.	838	128563	0	9	1	10	0	5	1	3	0	0
					Cricotopus bicinctus gr.	839	n/a	0	16	0	1	0	0	0	2	0	0
					Cricotopus sp.	853	128575	8	17	5	8	2	1	5	14	0	3
					Heterotrissocladius marcidus gr.	865	n/a	0	1	0	0	1	0	0	0	0	1
					Hydrobaenus sp.	868	128750	0	0	0	0	0	0	0	0	0	0
					Limnophyes sp.	870	128776	0	0	0	0	0	0	0	0	0	0
					Nanocladius sp.	878	128844	0	2	0	5	0	0	0	3	0	1
					Orthocladius annectens	882	128878	0	0	0	0	0	0	0	0	0	0
					Orthocladius sp.	890	128874	1	0	1	0	0	0	4	0	0	0
					Parakiefferiella sp.	894	128968	0	0	0	0	0	1	0	1	0	1
					Paraphaenocladius sp.	896	128989	0	0	0	0	0	0	0	0	1	0
					Pseudosmittia sp.	906	129071	0	0	1	0	0	0	0	0	0	11
					Synorthocladius sp.	915	129161	0	2	0	0	0	0	0	0	0	0
					Thienemanniella sp.	918	129182	0	2	0	0	0	0	1	0	0	0
					Tvetenia bavarica gr.	920	n/a	2	2	1	0	0	0	5	0	0	0
					Zalutschia sp.	924	129213	0	0	0	0	0	0	0	0	0	0
					Orthocladius complex	1031	n/a	0	7	0	1	1	3	0	1	0	0
					Psectrocladius sp.	1036	129018	0	0	0	0	0	0	0	0	0	0
					Doncricotopus sp.	2248	128680	0	0	0	0	0	0	0	0	0	0
					Euryhapsis sp.	2249	128707	4	5	5	1	0	2	9	1	1	8
					Tokunagaia sp.	2271	129194	0	0	0	0	0	0	2	3	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part G

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream G1									
								5-Aug-13									
								Station G-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-6	6572.10-6	6572.02-7	6572.10-7	6572.02-8	6572.10-8	6572.02-9	6572.10-9	6572.02-10	6572.10-10
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr.	805	n/a	3	20	12	5	8	6	3	7	7	9
					<i>Ablabesmyia</i> (<i>Karelia</i>) sp.	3756	n/a	0	0	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	0	0	0	0	0	0	0	0	0	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	0	0	0	0	0
					<i>Simulium</i> sp.	738	126774	0	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	—	<i>Tipula</i> sp.	764	119037	1	0	0	0	2	0	0	0	0
Total								36	218	85	130	18	63	53	103	10	57
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Corbiculoidea is a sub-order of Veneroida.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream L1									
								16-Sep-13									
								Station L-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-1	6572.10-1	6572.02-2	6572.10-2	6572.02-3	6572.10-3	6572.02-4	6572.10-4	6572.02-5	6572.10-5
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Cnidaria/Hydrozoa	Anthoathecatae	Hydridae	—	—	<i>Hydra</i> sp.	1	50845	0	0	0	0	0	0	0	0	0	0
Turbellaria	—	—	—	—	—	2	53964	0	0	0	0	0	0	0	0	0	0
Nematoda ^(c)	—	—	—	—	—	67	59490	0	0	0	1	4	10	1	2	0	7
Oligochaeta	Tubificida	Enchytraeidae	—	—	—	9	68510	0	0	0	2	0	0	0	1	0	1
		Naididae	—	—	<i>Chaetogaster diastrophus</i>	32	68938	0	0	0	0	0	0	0	0	0	0
					<i>Nais</i> sp.	51	68946	0	0	0	0	0	0	0	0	0	0
					<i>Pristina jenkinsae</i>	58	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Vejdovskyella comata</i>	65	69010	0	0	0	0	0	0	0	0	0	0
		Tubificidae	—	—	—	1347	68585	0	0	0	0	0	0	0	0	0	0
	Lumbriculida	Lumbriculidae	—	—	—	6	68440	0	0	0	0	1	1	2	1	1	4
Gastropoda	Basommatophora	Planorbidae	—	—	<i>Gyraulus</i> sp.	96	76592	0	0	0	0	0	0	0	0	0	0
	Heterostropho	Valvatidae	—	—	<i>Valvata</i> sp.	110	70346	0	0	0	0	0	0	0	0	0	0
Bivalvia	Veneroida	Corbiculoidea ^(c)	—	—	—	3827	566875	0	0	0	0	0	0	0	0	0	0
		Sphaeriidae	—	—	—	101	112737	4	0	0	0	0	0	0	6	5	3
					<i>Pisidium</i> sp.	103	81400	0	0	0	0	1	0	0	0	2	0
Acari	—	—	—	—	—	126	82754	0	0	0	0	0	0	0	0	0	0
	Trombidiformes	Arrenuridae	—	—	<i>Arrenurus</i> sp.	3080	82862	0	0	0	0	0	0	0	0	0	0
		Hygrobatidae	—	—	<i>Hygrobates</i> sp.	3040	83297	0	0	0	0	0	0	0	0	0	0
					<i>Atractides</i> sp.	3041	83282	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	—	—	<i>Lebertia</i> sp.	2992	83034	0	0	0	0	0	0	0	1	0	0
		Oxidae	—	—	<i>Oxus</i> sp.	3005	83244	0	0	0	0	0	0	0	0	0	0
		Pionidae	—	—	—	3100	83330	0	0	0	0	0	0	0	0	0	0
		Sperchontidae	—	—	<i>Sperchon</i> sp.	3002	83006	0	0	0	0	0	0	0	0	0	0
		Unionicolidae	—	—	<i>Neumania</i> sp.	3225	83103	0	0	0	0	0	0	0	0	0	0
	Sarcoptiformes	Oribatei	—	—	—	3229	83544	0	0	0	1	0	0	0	0	0	0
Ostracoda	—	—	—	—	—	121	84195	0	0	5	11	1	1	0	19	0	32
Insecta	Ephemeroptera	Baetidae	—	—	<i>Baetis flavistriga</i>	137	100835	0	0	0	0	0	0	0	0	0	0
					<i>Baetis</i> sp.	145	100800	0	0	0	0	0	0	0	0	0	0
		Ephemerellidae	—	—	<i>Ephemerella aurivillii</i>	175	101255	0	0	0	0	0	0	0	0	0	0
	Hemiptera	Corixidae	—	—	<i>Callicorixa</i> sp.	291	103514	0	0	0	0	0	0	0	0	0	0
	Plecoptera	Chloroperlidae	—	—	—	313	103202	0	0	0	0	0	0	0	0	0	0
					—	333	102517	0	0	0	0	0	0	0	0	0	0
		Nemouridae	—	—	<i>Nemoura</i> sp.	339	102526	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream L1									
								16-Sep-13									
								Station L-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-1	6572.10-1	6572.02-2	6572.10-2	6572.02-3	6572.10-3	6572.02-4	6572.10-4	6572.02-5	6572.10-5
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Trichoptera	Apataniidae	—	—	<i>Apatania</i> sp.	603	115935	0	0	0	0	0	0	0	0	0	0
		Brachycentridae	—	—	<i>Brachycentrus americanus</i>	521	116912	0	0	0	0	0	0	0	0	0	0
					<i>Micrasema</i> sp.	528	116958	0	0	0	0	0	0	0	0	0	0
		Hydroptilidae	—	—	<i>Agraylea</i> sp.	571	115635	0	0	0	0	0	0	0	0	0	0
					<i>Oxyethira</i> sp.	580	115779	0	0	0	0	0	0	0	0	0	0
		Leptoceridae	—	—	<i>Mystacides</i> sp.	592	116598	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	—	—	—	600	115933	0	0	0	0	0	0	0	0	0	0
		Molannidae	—	—	<i>Molannodes</i> sp.	1811	116484	0	0	0	0	0	0	0	0	0	0
		Phryganeidae	—	—	<i>Agrypnia</i> sp.	1757	115882	0	0	0	0	0	0	0	0	0	0
	Coleoptera	Dytiscidae	Colymbetinae	—	<i>Ilybius</i> sp.	1839	112181	0	0	0	0	0	0	0	0	0	0
		Haliplidae	—	—	<i>Haliphus</i> sp.	486	111858	0	0	0	0	0	0	0	0	0	0
	Diptera	Ceratopogonidae	Ceratopogoninae	—	—	1032	127076	0	0	0	0	0	0	0	0	0	1
					<i>Bezzia/Palpomyia</i> sp.	3034	n/a	0	0	10	3	6	1	6	3	6	4
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	930	129254	5	4	2	3	6	2	1	4	2	5
					<i>Cladopelma</i> sp.	931	129350	0	0	0	0	0	0	0	1	0	1
					<i>Cryptochironomus</i> sp.	934	129368	0	0	4	0	0	0	0	0	0	0
					<i>Demicryptochironomus</i> sp.	939	129421	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes fumidus</i>	940	129436	0	0	0	0	1	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	944	129428	0	0	0	1	0	0	0	0	0	0
					<i>Endochironomus</i> sp.	948	129470	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> gr.	956	n/a	0	0	0	0	0	2	1	0	0	0
					<i>Parachironomus</i> sp.	964	129564	0	0	0	0	0	0	0	0	0	0
					<i>Paracladopelma</i> sp.	966	129597	0	0	0	0	0	0	0	0	0	0
					<i>Paratendipes</i> sp.	970	129623	0	0	0	0	2	0	0	0	0	0
					<i>Phaenopsectra</i> sp.	973	129637	0	0	6	4	7	6	1	26	6	15
					<i>Polypedilum illinoense</i> gr.	979	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum scalaenum</i> gr.	983	n/a	0	0	24	33	6	8	10	26	0	8
					<i>Polypedilum sordens</i>	985	129712	0	0	0	0	0	0	0	0	0	0
					<i>Polypedilum</i> sp.	988	129657	0	0	0	0	0	0	0	1	0	0
					<i>Stictochironomus</i> sp.	996	129785	0	0	3	0	1	0	0	0	1	6
					<i>Sergentia</i> sp.	1422	129739	0	0	0	0	0	0	0	0	0	0
				Pseudochironomini	<i>Pseudochironomus</i> sp.	989	129851	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream L1									
								16-Sep-13									
								Station L-S1									
								Rep A		Rep B		Rep C		Rep D		Rep E	
								6572.02-1	6572.10-1	6572.02-2	6572.10-2	6572.02-3	6572.10-3	6572.02-4	6572.10-4	6572.02-5	6572.10-5
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm
Insecta	Diptera	Chironomidae	Chironominae	Tanytarsini	—	1003	129872	0	0	0	1	0	1	0	1	0	3
					<i>Cladotanytarsus</i> sp.	1006	129873	0	0	0	1	1	2	0	10	0	4
					<i>Constempellina</i> sp.	1007	129884	0	0	0	2	0	1	0	2	0	0
					<i>Paratanytarsus</i> sp.	1015	129935	0	0	0	0	0	2	0	2	0	1
					<i>Rheotanytarsus exiguus</i> gr.	1017	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Stempellinella</i> sp.	1023	129969	0	0	0	0	0	0	0	0	0	0
					<i>Tanytarsus</i> sp.	1029	129978	1	0	10	48	15	22	4	156	0	67
					<i>Micropsectra</i> sp.	1054	129890	0	0	0	0	0	0	0	0	0	0
					<i>Corynocera</i> sp.	2297	129887	0	0	0	0	0	0	0	0	0	0
			Diamesinae	Diamesini	<i>Potthastia longimana</i> gr.	817	n/a	0	0	0	0	0	0	0	0	1	0
					<i>Pseudokiefferiella</i> sp.	2228	128423	0	0	0	0	0	0	0	0	0	0
			Orthoclaadiinae	—	—	826	128457	0	0	0	0	0	0	0	0	0	0
					<i>Corynoneura</i> sp.	838	128563	0	0	0	3	0	2	0	2	0	0
					<i>Cricotopus bicinctus</i> gr.	839	n/a	0	0	0	0	0	0	0	1	0	0
					<i>Cricotopus</i> sp.	853	128575	0	0	0	1	1	0	0	0	0	0
					<i>Heterotrissocladius marcidus</i> gr.	865	n/a	0	0	0	0	0	0	0	0	0	1
					<i>Hydrobaenus</i> sp.	868	128750	0	0	0	0	0	0	0	0	0	0
					<i>Limnophyes</i> sp.	870	128776	0	0	0	0	0	0	0	1	0	0
					<i>Nanocladius</i> sp.	878	128844	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladus annectens</i>	882	128878	0	0	0	1	0	1	0	2	0	0
					<i>Orthocladus</i> sp.	890	128874	0	0	0	0	0	0	0	0	0	0
					<i>Parakiefferiella</i> sp.	894	128968	0	0	0	3	1	0	0	1	0	0
					<i>Paraphaenocladius</i> sp.	896	128989	0	0	0	0	0	0	0	0	0	0
					<i>Pseudosmittia</i> sp.	906	129071	0	0	0	0	0	0	0	0	0	0
					<i>Synorthocladus</i> sp.	915	129161	0	0	0	0	0	0	0	0	0	0
					<i>Thienemanniella</i> sp.	918	129182	0	0	0	0	0	0	0	0	0	0
					<i>Tvetenia bavarica</i> gr.	920	n/a	0	0	0	0	0	0	0	0	0	0
					<i>Zalutschia</i> sp.	924	129213	0	0	0	0	0	0	0	0	0	0
					<i>Orthocladus</i> complex	1031	n/a	0	0	0	0	0	2	0	5	0	2
					<i>Psectrocladius</i> sp.	1036	129018	1	0	0	1	0	0	1	2	0	1
					<i>Doncricotopus</i> sp.	2248	128680	0	0	0	0	0	0	0	0	0	0
					<i>Euryhapsis</i> sp.	2249	128707	0	0	0	0	0	0	0	0	0	0
					<i>Tokunagaia</i> sp.	2271	129194	0	0	0	0	0	0	0	0	0	0

Table E1-3 Raw Benthic Invertebrate Abundance Data for the Stream Stations in the Jay Project Baseline Study Area, August and September 2013
Part H

Major Group	Order	Family	Subfamily	Tribe	Genus Species	EcoA_TIN ^(a)	ITIS TSN/ uBio TSN ^(b)	Stream L1										
								16-Sep-13										
								Station L-S1										
								Rep A		Rep B		Rep C		Rep D		Rep E		
								6572.02-1	6572.10-1	6572.02-2	6572.10-2	6572.02-3	6572.10-3	6572.02-4	6572.10-4	6572.02-5	6572.10-5	
								1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	1 mm	250 µm	
Insecta	Diptera	Chironomidae	Tanypodinae	Pentaneurini	—	798	128078	0	0	0	0	0	0	0	0	0	0	
					<i>Thienemannimyia</i> gr.	805	n/a	0	0	0	0	0	0	1	0	0	0	0
					<i>Ablabesmyia (Karelia)</i> sp.	3756	n/a	1	0	1	0	0	0	0	0	0	0	0
				Procladiini	<i>Procladius</i> sp.	799	128277	4	1	6	7	7	1	4	2	4	3	
		Empididae	—	—	—	709	135830	0	0	0	0	0	0	0	0	0	0	0
		Muscidae	—	—	—	716	150025	0	0	0	0	0	0	0	0	0	0	0
		Simuliidae	—	—	—	724	126640	0	0	0	0	0	1	0	0	0	0	0
					<i>Simulium</i> sp.	738	126774	0	0	0	0	0	0	0	0	0	0	0
		Tipulidae	—	—	—	<i>Tipula</i> sp.	764	119037	0	0	0	0	0	0	0	0	0	0
Total								16	5	71	127	61	66	32	278	28	169	
Percent sub-sampled								100	100	100	100	100	100	100	100	100	100	

Note: Abundance data are reported as number of organisms per sample.
Replicate samples represent individual kick and sweep grabs and are not associated with a bottom sampling area.
a) Taxonomic serial number associated with the final taxon in the Ecoanalysts, Inc. database.
b) Taxonomic serial numbers associated with the final taxon that are associated with the ITIS TSN or uBio TSN systems.
c) Corbiculoidea is a sub-order of Veneroida.
EcoA_TIN = EcoAnalysts, Inc. taxonomic identification number; ITIS = Integrated Taxonomic Information System taxonomic serial number; uBio TSN = taxonomic name server; mm = millimetre; µm = micrometre; sp. = species; gr. = group; w/ = with; w/o = without;
— = not identified to this taxonomic level; n/a = not applicable; Aug = August; Sep = September.