

Abbreviations Definitions

Abundance Data:

Total Taxa	Number of unique taxa present identified to lowest possible level. Does not include higher-order taxa of which there are identified lower-level taxa present.
Nauplius	Crustacean early larval stage
Presence	Taxa enumerated in sample
#/sample	Count data converted to "per sample" total value

Copepods:

III	Calanoid copepod stage 3; with 3 abdominal segments
IV	Calanoid copepod stage 4: with 4 abdominal segments
V	Calanoid copepod stage 5: with 5 abdominal segments
F	Reproductive, adult stage with 6 abdominal segments. Female.
M	Reproductive, adult stage with 6 abdominal segments. Male.

Rotifers:

Individual	Non-colonial rotifer
Colony	Colonial rotifer

Cladocerans:

J	Juvenile
F	Adult Female

Biomass Measurements:

WW	Wet weight
DW	Dry weight
mg/sample	milligrams per sample

Crustaceans:

α	$\ln(W)$ (mg DW) = $\ln \alpha + \beta \ln (L)$ (Length in mm) Species-specific constant in biomass estimation formula for copepods (intercept) (sources in reference column)
β	Species-specific constant in biomass estimation formula for copepods (slope) (sources in reference column)

Rotifers:

FF	Rotifer biomass ($\mu\text{g DW}$) = (length ³ x FF) + (%BV x length ³ x FF) x 10 ⁻⁶ x WW : DW Species-specific constant for calculation of biomass in rotifers, source of values in Reference column
%BV	Species-specific volume of protrusions that is >0 in some rotifers, term in equation for biomass estimate, source of values in reference column

Worksheets:

1. Definitions & Abbreviations	Glossary of terms and outline of report
2. Matrix - Abundance	Abundance Data in matrix format, including Total Abundance per sample
3. Matrix - Biomass	Biomass Data in matrix format, including Total Biomass per sample (wet weight and dry weight data)
4. Matrix - Presence Absence	Presence/Absence Data in matrix format, including total unique taxa count per sample
5. Data Summaries	Data summaries in matrix format, including Total Taxa count per sample, Total Abundance per sample, and total biomass(WW and DW) per sample
6. Data - Long	Abundance and Biomass data in long format with average taxon biomass inserted in order to calculate total biomass and abundance per sample
7. Measurements & Biomass	Raw length measurements and biomass conversions, including references
8. QAQC	Report on subsampling error and internal taxonomic consistency

Zooplankton abundance data matrix, Azimuth Nunavut 2015

		Biologica # Project Client ID Date	Grand Total Nunavut	15-25-01 Nunavut WTN-01-S 7/17/2015	15-25-02 Nunavut WTN-02-S 7/17/2015	15-25-03 Nunavut WTS-01-S 7/17/2015	15-25-04 Nunavut WTS-02-S 7/17/2015	15-25-05 Nunavut NEM-01-S 7/18/2015	15-25-06 Nunavut NEM-02-S 7/18/2015	15-25-07 Nunavut MAM-01-S 7/18/2015	15-25-08 Nunavut MAM-02-S 7/18/2015	15-25-08 - QA Nunavut MAM-02-S-QA 7/18/2015	15-25-09 Nunavut DUP-July-Amaruq
			Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)	Total Abundance (#/sample)
Major Group	Taxon	Stage											
	Cladoceran	F	425	30	10	2		8	2	7	190	110	2
	Cladoceran	F	2										2
	Cladoceran	F	309	20	50	7	1	30	8		10	10	1
	Cladoceran	F	113	30		1	1	7	6		10	10	
	Cladoceran	F	2168	200	560	390	80	60	100	24	200	310	180
	Cladoceran	F	13	10				1		1			1
	Total Cladocera		3029	290	620	400	82	106	116	32	410	440	186
Calanoid	Calanoida indet.	I-IV	5988	210	120	50	30	1920	1750	64	120	110	400
Calanoid	Calanoida indet.	V	757							9	20	70	
Calanoid	Heterocope septentrionalis	F	392										
Calanoid	Heterocope septentrionalis	M	281										
Calanoid	Leptodiaptomus pribilofensis	F	5181										
Calanoid	Leptodiaptomus pribilofensis	I-IV	13										
Calanoid	Leptodiaptomus pribilofensis	M	5585										
Calanoid	Leptodiaptomus pribilofensis	V	154										
Calanoid	Tropocyclops prasinus mexicanus	F	3						3				
Total Calanoida			18354	210	120	50	30	1920	1753	73	140	180	400
Cyclopoid	Cyclopoida indet.	F	265										
Cyclopoid	Cyclopoida indet.	I-IV	25273	1200	600	1300	1160	1020	1970	16	310	320	3420
Cyclopoid	Cyclopoida indet.	M	338						10	2			100
Cyclopoid	Cyclopoida indet.	V	4712	160	200	450	200	70	120	20	80	60	720
Cyclopoid	Cyclops scutifer	F	7583	740	320	500	400	700	410	39	830	860	560
Cyclopoid	Cyclops scutifer	I-IV	203										
Cyclopoid	Cyclops scutifer	M	4816	520	470	470	320	180	60	15	200	310	640
Cyclopoid	Cyclops scutifer	V	100										
Cyclopoid	Diacyclops thomasi	F	206										
Cyclopoid	Diacyclops thomasi	I-IV	430										
Cyclopoid	Diacyclops thomasi	M	150										
Cyclopoid	Diacyclops thomasi	V	85										
Cyclopoid	Microcyclops sp.	F	68										
Total Cyclopoida			44226	2620	1590	2720	2080	1970	2570	92	1420	1550	5440
Copepod	Calanoid indet.	nauplius	64983	133	100	267	267	2200	5700	367	50	233	300
Copepod	Cyclopoid indet.	nauplius	26573	2167	2100	2700	533	2033	1567	1533	740	2333	1133
Copepod	Copepoda indet.	nauplius	1033	33	267	133	267	33	33	167			
Total Copepod Nauplii			92590	2333	2467	3100	1067	4267	7300	2067	790	2567	1433
Total Crustacean Zooplankton			158199	5453	4797	6270	3259	8263	11739	2264	2760	4737	7459
Rotifer	Asplanchna sp.		533	67		67							
Rotifer	Collotheca sp.		33	33									
Rotifer	Conochilus sp.		60783	4333	2067	2867	533	1200	967	2567	7000	8367	867
Rotifer	Kellicottia sp.		131933	3167	1333	3300	2400	3033	3467	1867	6400	5233	3533
Rotifer	Keratella sp.		1683										33
Rotifer	Polyarthra sp.		2917									467	
Rotifer	Polyarthra sp.		767				100	100		133	200		233
Rotifer	Rotifer indet.		500	267		67	0	33	100	33			
Rotifer	Synchaeta sp.		533			67	167				33	100	167
Total Rotifers			199683	7867	3400	6367	3200	4367	4533	4600	13633	14167	4833
Total Zooplankton			357882	13320	8197	12637	6459	12629	16272	6864	16393	18903	12293

Zooplankton abundance data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-10	15-25-11	15-25-12	15-25-13	15-25-14	15-25-26	15-25-15	15-25-16	15-25-16-QA	15-25-17	15-25-18
		Project	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut
		Client ID	WTN-03-S	WTN-04-S	WTN-05-S	WTN-06-S	WTS-03-S	DUP-1	WTS-04-S	WTS-05-S	WTS-05-S-QA	WTS-06-S	NEM-03-S
		Date	8/22/2015	8/22/2015	9/18/2015	9/18/2015	8/22/2015	8/22/2015	8/21/2015	9/18/2015	9/18/2015	9/18/2015	8/23/2015
			Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
			(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)
Major Group	Taxon	Stage											
Cladoceran	Bosmina sp.	F											10
Cladoceran	Daphnia ambigua	F											
Cladoceran	Daphnia middendorffiana	F	20	3				3	5	10	5	10	30
Cladoceran	Daphnia sp.	F			4	10		3		5	5		
Cladoceran	Holopedium gibberum	F	40	7				16					
Cladoceran	Leptodora kindtii	F											
	Total Cladocera		60	10	4	10	0	23	5	15	10	10	40
Calanoid	Calanoida indet.	I-IV		3		15	15						640
Calanoid	Calanoida indet.	V				30	30		5	15	5	13	300
Calanoid	Heterocope septentrionalis	F	10	13		35	15	23	25	10	5	3	
Calanoid	Heterocope septentrionalis	M	15	3		55	20	17		5	15		
Calanoid	Leptodiaptomus pribilofensis	F	150	93	16	250	115	103	135	50	35	70	530
Calanoid	Leptodiaptomus pribilofensis	I-IV						13					
Calanoid	Leptodiaptomus pribilofensis	M	120	33	10	195	150	77	145	25	40	13	760
Calanoid	Leptodiaptomus pribilofensis	V	15	7		5		10					
Calanoid	Tropocyclops prasinus mexicanus	F											
	Total Calanoida		310	153	26	585	345	243	310	105	100	100	2230
Cyclopoid	Cyclopoida indet.	F									230	30	
Cyclopoid	Cyclopoida indet.	I-IV	490	330	284	1040	525	543	540	420		333	1600
Cyclopoid	Cyclopoida indet.	M		3							190	17	
Cyclopoid	Cyclopoida indet.	V	155	117	62	480	180	47	130	110		140	60
Cyclopoid	Cyclops scutifer	F	115	40	76	500	75	57	50	250		183	90
Cyclopoid	Cyclops scutifer	I-IV											
Cyclopoid	Cyclops scutifer	M	10	3	82	625		3	5	220		230	
Cyclopoid	Cyclops scutifer	V											
Cyclopoid	Diacyclops thomasi	F			8	45				30	25	50	
Cyclopoid	Diacyclops thomasi	I-IV									430		
Cyclopoid	Diacyclops thomasi	M			14	60			5	5	15	23	
Cyclopoid	Diacyclops thomasi	V									85		
Cyclopoid	Microcyclops sp.	F											
	Total Cyclopoida		770	493	526	2750	780	650	730	1035	975	1007	1750
Copepod	Calanoid indet.	nauplius	3367	4133	1133	4833	3100	2200	1700	1333	1433	833	4667
Copepod	Cyclopoid indet.	nauplius	100	167	233	600	100	100	900	800	800	600	133
Copepod	Copepoda indet.	nauplius											
	Total Copepod Nauplii		3467	4300	1367	5433	3200	2300	2600	2133	2233	1433	4800
Total Crustacean Zooplankton			4607	4957	1923	8778	4325	3216	3645	3288	3318	2550	8820
Rotifer	Asplanchna sp.				100				100				
Rotifer	Collotheca sp.												
Rotifer	Conochilus sp.		4617	2600	1867	4267	2800	2167	2300	300	200	467	833
Rotifer	Kellicottia sp.		5667	5433	3500	13933	9467	2833	7000	3233	4167	3900	3367
Rotifer	Keratella sp.			100		200	200	100		100	67		
Rotifer	Polyarthra sp.		233	300	150	200	200	200	100	133	100	233	
Rotifer	Polyarthra sp.												
Rotifer	Rotifer indet.												
Rotifer	Synchaeta sp.												
	Total Rotifers		10517	8433	5617	18600	12667	5300	9500	3767	4534	4600	4200
Total Zooplankton			15123	13390	7539	27378	16992	8516	13145	7055	7852	7150	13020

Zooplankton abundance data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-19	15-25-20	15-25-21	15-25-22	15-25-23	15-25-24	15-25-24-QA	15-25-25	15-25-27
		Project	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut
		Client ID	NEM-04-S	NEM-05-S	NEM-06-S	MAM-03-S	MAM-04-S	MAM-05-S	MAM-05-S-QA	MAM-06-S	DUP-1-September
		Date	8/23/2015	9/19/2015	9/19/2015	8/24/2015	8/24/2015	9/19/2015	9/19/2015	9/19/2015	9/19/2015
			Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance	Total Abundance
			(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)	(#/sample)
Major Group	Taxon	Stage									
Cladoceran	Bosmina sp.	F		1	10	33		3	3		3
Cladoceran	Daphnia ambigua	F									
Cladoceran	Daphnia middendorffiana	F		3		67	1			2	3
Cladoceran	Daphnia sp.	F						3	3	4	5
Cladoceran	Holopedium gibberum	F		1							
Cladoceran	Leptodora kindtii	F									
	Total Cladocera		0	5	10	100	1	7	7	6	10
Calanoid	Calanoida indet.	I-IV	530				4		7		
Calanoid	Calanoida indet.	V	240				1		3		
Calanoid	Heterocope septentrionalis	F	10	10	15	100	91	7		2	8
Calanoid	Heterocope septentrionalis	M				67	46	10	17	4	3
Calanoid	Leptodiaptomus pribilofensis	F	450	950	450	1300	5	150	157	94	63
Calanoid	Leptodiaptomus pribilofensis	I-IV									
Calanoid	Leptodiaptomus pribilofensis	M	470	710	535	2200	4	20	30	20	43
Calanoid	Leptodiaptomus pribilofensis	V				100	4			6	8
Calanoid	Tropocyclops prasinus mexicanus	F									
	Total Calanoida		1700	1670	1000	3767	155	187	213	126	123
Cyclopoid	Cyclopoida indet.	F								2	3
Cyclopoid	Cyclopoida indet.	I-IV	1550	1150	510	3500	145	397	343	256	
Cyclopoid	Cyclopoida indet.	M								8	8
Cyclopoid	Cyclopoida indet.	V	60	110	105	767	18	37	43	12	
Cyclopoid	Cyclops scutifer	F	60	20	15	233	12	113	107	80	148
Cyclopoid	Cyclops scutifer	I-IV									203
Cyclopoid	Cyclops scutifer	M	10				1	107	90	42	203
Cyclopoid	Cyclops scutifer	V									100
Cyclopoid	Diacyclops thomasi	F						7	13	8	15
Cyclopoid	Diacyclops thomasi	I-IV									
Cyclopoid	Diacyclops thomasi	M						7	17	4	10
Cyclopoid	Diacyclops thomasi	V									
Cyclopoid	Microcyclops sp.	F				67	1				
	Total Cyclopoida		1680	1280	630	4567	177	667	613	412	688
Copepod	Calanoid indet.	nauplius	5700	5400	4067	2033	2467	2100	2067	1100	367
Copepod	Cyclopoid indet.	nauplius	100	433	667	867	433	367	567	667	300
Copepod	Copepoda indet.	nauplius								100	
	Total Copepod Nauplii		5800	5833	4733	2900	2900	2467	2633	1867	667
Total Crustacean Zooplankton			9180	8788	6373	11333	3233	3327	3467	2411	1487
Rotifer	Asplanchna sp.					100	100				
Rotifer	Collotheca sp.										
Rotifer	Conochilus sp.		633	100	100	3033	1667	333	433	500	500
Rotifer	Kellicottia sp.		3167	3300	4100	5133	3733	3567	3733	2567	3133
Rotifer	Keratella sp.			150	133	100	100	100	100		100
Rotifer	Polyarthra sp.			100					100	100	167
Rotifer	Polyarthra sp.										
Rotifer	Rotifer indet.										
Rotifer	Synchaeta sp.										
	Total Rotifers		3800	3650	4333	8367	5600	4000	4367	3167	3900
Total Zooplankton			12980	12438	10707	19700	8833	7327	7833	5577	5387

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica # Project Client ID Date	Grand Total Nunavut		15-25-01 Nunavut WTN-01-S 7/17/2015		15-25-02 Nunavut WTN-02-S 7/17/2015		15-25-03 Nunavut WTS-01-S 7/17/2015	
			Total Biomass		Total Biomass		Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage								
Cladoceran	Bosmina sp.	F	18.85	3.77	1.33	0.27	0.44	0.09	0.09	0.02
Cladoceran	Daphnia ambigua	F	0.03	0.00						
Cladoceran	Daphnia middendorffiana	F	32.77	6.55	2.12	0.42	5.30	1.06	0.74	0.15
Cladoceran	Daphnia sp.	F	2.26	0.45	0.60	0.12			0.02	0.00
Cladoceran	Holopedium gibberum	F	27.06	5.41	2.50	0.50	6.99	1.40	4.87	0.97
Cladoceran	Leptodora kindtii	F	2.71	0.54	2.08	0.42				
	Total Cladocera		83.67	16.73	8.63	1.73	12.74	2.55	5.72	1.14
Calanoid	Calanoida indet.	I-IV	728.69	28.76	25.56	1.01	14.60	0.58	6.08	0.24
Calanoid	Calanoida indet.	V	345.94	10.11						
Calanoid	Hetercope septentrionalis	F	184.88	36.98						
Calanoid	Hetercope septentrionalis	M	128.39	25.68						
Calanoid	Leptodiaptomus pribilofensis	F	2442.44	80.94						
Calanoid	Leptodiaptomus pribilofensis	I-IV	6.10	0.06						
Calanoid	Leptodiaptomus pribilofensis	M	2553.33	74.64						
Calanoid	Leptodiaptomus pribilofensis	V	70.48	2.06						
Calanoid	Tropocyclops prasinus mexicanus	F	1.37	0.04						
	Total Calanoida		6461.63	259.27	25.56	1.01	14.60	0.58	6.08	0.24
Cyclopoid	Cyclopoida indet.	F	6.67	1.33						
Cyclopoid	Cyclopoida indet.	I-IV	175.56	35.11	8.34	1.67	4.17	0.83	9.03	1.81
Cyclopoid	Cyclopoida indet.	M	8.51	1.70						
Cyclopoid	Cyclopoida indet.	V	118.80	23.76	4.03	0.81	5.04	1.01	11.35	2.27
Cyclopoid	Cyclops scutifer	F	274.33	54.87	26.77	5.35	11.58	2.32	18.09	3.62
Cyclopoid	Cyclops scutifer	I-IV	1.41	0.28						
Cyclopoid	Cyclops scutifer	M	124.87	24.97	13.48	2.70	12.19	2.44	12.19	2.44
Cyclopoid	Cyclops scutifer	V	2.52	0.21						
Cyclopoid	Diacyclops thomasi	F	6.48	1.30						
Cyclopoid	Diacyclops thomasi	I-IV	2.99	0.60						
Cyclopoid	Diacyclops thomasi	M	3.12	0.62						
Cyclopoid	Diacyclops thomasi	V	2.14	0.43						
Cyclopoid	Microcyclops sp.	F	0.33	0.07						
	Total Cyclopoida		727.73	145.26	52.63	10.53	32.97	6.59	50.65	10.13
Copepod	Calanoid	nauplius	23.63	1.30	1.93	0.00	1.87	0.00	2.40	0.01
Copepod	Cyclopoid	nauplius	6.50	4.73	0.01	0.39	0.01	0.37	0.03	0.48
Copepod	Copepoda indet.	nauplius	0.73	0.15	0.02	0.00	0.19	0.04	0.09	0.02
	Total Copepod Nauplii		30.87	6.17	1.96	0.39	2.07	0.41	2.52	0.50
Total Crustacean Zooplankton			7303.90	427.44	88.78	13.65	62.39	10.13	64.98	12.02
Rotifer	Asplanchna sp.		1.07	0.04	0.13	0.01			0.13	0.01
Rotifer	Collotheca sp.		0.36	0.04	0.36	0.04				
Rotifer	Conochilus sp.		88.83	8.88	6.33	0.63	3.02	0.30	4.19	0.42
Rotifer	Kellicottia sp.		1652.06	165.21	39.65	3.97	16.70	1.67	41.32	4.13
Rotifer	Keratella sp.		1.78	0.18						
Rotifer	Polyarthra sp.		2.64	0.26						
Rotifer	Rotifer indet.		0.00	0.00	0.00	0.00			0.00	0.00
Rotifer	Synchaeta sp.		50.07	5.01					6.26	0.63
	Total Rotifera		1796.80	179.61	46.48	4.64	19.72	1.97	51.90	5.18
Total Zooplankton			9100.70	607.05	135.26	18.29	82.10	12.10	116.88	17.20

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-04		15-25-05		15-25-06		15-25-07		15-25-08	
		Project	Nunavut		Nunavut		Nunavut		Nunavut		Nunavut	
		Client ID	WTS-02-S		NEM-01-S		NEM-02-S		MAM-01-S		MAM-02-S	
		Date	7/17/2015		7/18/2015		7/18/2015		7/18/2015		7/18/2015	
			Total Biomass		Total Biomass		Total Biomass		Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage										
Cladoceran	Bosmina sp.	F			0.36	0.07	0.09	0.02	0.31	0.06	8.44	1.69
Cladoceran	Daphnia ambigua	F										
Cladoceran	Daphnia middendorffiana	F	0.11	0.02	3.18	0.64	0.85	0.17			1.06	0.21
Cladoceran	Daphnia sp.	F	0.02	0.00	0.14	0.03	0.12	0.02			0.20	0.04
Cladoceran	Holopedium gibberum	F	1.00	0.20	0.75	0.15	1.25	0.25	0.30	0.06	2.50	0.50
Cladoceran	Leptodora kindtii	F			0.21	0.04			0.21	0.04		
	Total Cladocera		1.12	0.22	4.64	0.93	2.31	0.46	0.82	0.16	12.19	2.44
Calanoid	Calanoida indet.	I-IV	3.65	0.14	233.65	9.22	212.96	8.40	7.79	0.31	14.60	0.58
Calanoid	Calanoida indet.	V							4.11	0.12	9.14	0.27
Calanoid	Heterocope septentrionalis	F										
Calanoid	Heterocope septentrionalis	M										
Calanoid	Leptodiaptomus pribilofensis	F										
Calanoid	Leptodiaptomus pribilofensis	I-IV										
Calanoid	Leptodiaptomus pribilofensis	M										
Calanoid	Leptodiaptomus pribilofensis	V										
Calanoid	Tropocyclops prasinus mexicanus	F					1.37	0.04				
	Total Calanoida		3.65	0.14	233.65	9.22	214.33	8.45	11.90	0.43	23.75	0.84
Cyclopoid	Cyclopoida indet.	F										
Cyclopoid	Cyclopoida indet.	I-IV	8.06	1.61	7.09	1.42	13.68	2.74	0.11	0.02	2.15	0.43
Cyclopoid	Cyclopoida indet.	M					0.25	0.05	0.05	0.01		
Cyclopoid	Cyclopoida indet.	V	5.04	1.01	1.76	0.35	3.03	0.61	0.50	0.10	2.02	0.40
Cyclopoid	Cyclops scutifer	F	14.47	2.89	25.32	5.06	14.83	2.97	1.41	0.28	30.03	6.01
Cyclopoid	Cyclops scutifer	I-IV										
Cyclopoid	Cyclops scutifer	M	8.30	1.66	4.67	0.93	1.56	0.31	0.39	0.08	5.19	1.04
Cyclopoid	Cyclops scutifer	V										
Cyclopoid	Diacyclops thomasi	F										
Cyclopoid	Diacyclops thomasi	I-IV										
Cyclopoid	Diacyclops thomasi	M										
Cyclopoid	Diacyclops thomasi	V										
Cyclopoid	Microcyclops sp.	F										
	Total Cyclopoida		35.87	7.17	38.84	7.77	33.35	6.67	2.47	0.49	39.38	7.88
Copepod	Calanoid	nauplius	0.47	0.01	1.81	0.04	1.39	0.11	1.36	0.01	0.66	0.00
Copepod	Cyclopoid	nauplius	0.03	0.09	0.22	0.36	0.57	0.28	0.04	0.27	0.01	0.13
Copepod	Copepoda indet.	nauplius	0.19	0.04	0.02	0.00	0.02	0.00	0.12	0.02		
	Total Copepod Nauplii		0.69	0.14	2.05	0.41	1.99	0.40	1.52	0.30	0.66	0.13
	Total Crustacean Zooplankton		41.34	7.68	279.18	18.33	251.98	15.97	16.71	1.39	75.99	11.29
Rotifer	Asplanchna sp.											
Rotifer	Collotheca sp.											
Rotifer	Conochilus sp.		0.78	0.08	1.75	0.18	1.41	0.14	3.75	0.38	10.23	1.02
Rotifer	Kellicottia sp.		30.05	3.01	37.98	3.80	43.41	4.34	23.37	2.34	80.14	8.01
Rotifer	Keratella sp.											
Rotifer	Polyarthra sp.		0.07	0.01	0.07	0.01			0.10	0.01	0.14	0.01
Rotifer	Rotifer indet.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Rotifer	Synchaeta sp.		15.65	1.56							3.13	0.31
	Total Rotifera		46.55	4.66	39.81	3.98	44.82	4.48	27.22	2.72	93.64	9.36
	Total Zooplankton		87.89	12.34	318.99	22.31	296.80	20.46	43.93	4.11	169.63	20.66

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-08 - QA		15-25-09		15-25-10		15-25-11		15-25-12	
		Project	Nunavut		Nunavut		Nunavut		Nunavut		Nunavut	
		Client ID	MAM-02-S		DUP-July-Amaruq		WTN-03-S		WTN-04-S		WTN-05-S	
		Date	7/18/2015		(blank)		8/22/2015		8/22/2015		9/18/2015	
			Total Biomass		Total Biomass		Total Biomass		Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage										
Cladoceran	Bosmina sp.	F	4.88	0.98	0.09	0.02						
Cladoceran	Daphnia ambigua	F			0.03	0.00						
Cladoceran	Daphnia middendorffiana	F	1.06	0.21	0.11	0.02	2.12	0.42	0.35	0.07		
Cladoceran	Daphnia sp.	F	0.20	0.04							0.08	0.02
Cladoceran	Holopedium gibberum	F	3.87	0.77	2.25	0.45	0.50	0.10	0.08	0.02		
Cladoceran	Leptodora kindtii	F			0.21	0.04						
	Total Cladocera		10.02	2.00	2.68	0.53	2.62	0.52	0.44	0.09	0.08	0.02
Calanoid	Calanoida indet.	I-IV	13.39	0.53	48.68	1.92			0.41	0.02		
Calanoid	Calanoida indet.	V	32.00	0.94								
Calanoid	Heterocope septentrionalis	F					4.71	0.94	6.29	1.26		
Calanoid	Heterocope septentrionalis	M					6.86	1.37	1.52	0.30		
Calanoid	Leptodiaptomus pribilofensis	F					70.72	2.34	44.00	1.46	7.54	0.25
Calanoid	Leptodiaptomus pribilofensis	I-IV										
Calanoid	Leptodiaptomus pribilofensis	M					54.86	1.60	15.24	0.45	4.57	0.13
Calanoid	Leptodiaptomus pribilofensis	V					6.86	0.20	3.05	0.09		
Calanoid	Tropocyclops prasinus mexicanus	F										
	Total Calanoida		45.39	1.46	48.68	1.92	144.01	6.46	70.50	3.57	12.11	0.38
Cyclopoid	Cyclopoida indet.	F										
Cyclopoid	Cyclopoida indet.	I-IV	2.22	0.44	23.76	4.75	3.40	0.68	2.29	0.46	1.97	0.39
Cyclopoid	Cyclopoida indet.	M			2.52	0.50			0.08	0.02		
Cyclopoid	Cyclopoida indet.	V	1.51	0.30	18.15	3.63	3.91	0.78	2.94	0.59	1.56	0.31
Cyclopoid	Cyclops scutifer	F	31.11	6.22	20.26	4.05	4.16	0.83	1.45	0.29	2.75	0.55
Cyclopoid	Cyclops scutifer	I-IV										
Cyclopoid	Cyclops scutifer	M	8.04	1.61	16.60	3.32	0.26	0.05	0.09	0.02	2.13	0.43
Cyclopoid	Cyclops scutifer	V										
Cyclopoid	Diacyclops thomasi	F									0.25	0.05
Cyclopoid	Diacyclops thomasi	I-IV										
Cyclopoid	Diacyclops thomasi	M									0.29	0.06
Cyclopoid	Diacyclops thomasi	V										
Cyclopoid	Microcyclops sp.	F										
	Total Cyclopoida		42.89	8.58	81.29	16.26	11.73	2.35	6.85	1.37	8.96	1.79
Copepod	Calanoid	nauplius	2.07	0.00	1.01	0.01	0.09	0.07	0.15	0.08	0.21	0.02
Copepod	Cyclopoid	nauplius	0.02	0.41	0.03	0.20	0.34	0.02	0.41	0.03	0.11	0.04
Copepod	Copepoda indet.	nauplius										
	Total Copepod Nauplii		2.10	0.42	1.04	0.21	0.43	0.09	0.56	0.11	0.32	0.06
	Total Crustacean Zooplankton		100.39	12.46	133.68	18.92	158.79	9.42	78.35	5.14	21.47	2.25
Rotifer	Asplanchna sp.										0.20	0.01
Rotifer	Collotheca sp.											
Rotifer	Conochilus sp.		12.23	1.22	1.27	0.13	6.75	0.67	3.80	0.38	2.73	0.27
Rotifer	Kellicottia sp.		65.53	6.55	44.24	4.42	70.96	7.10	68.04	6.80	43.83	4.38
Rotifer	Keratella sp.				0.04	0.00			0.11	0.01		
Rotifer	Polyarthra sp.		0.33	0.03	0.17	0.02	0.17	0.02	0.21	0.02	0.11	0.01
Rotifer	Rotifer indet.											
Rotifer	Synchaeta sp.		9.39	0.94	15.65	1.56						
	Total Rotifera		87.48	8.75	61.36	6.14	77.87	7.79	72.16	7.22	46.86	4.67
	Total Zooplankton		187.87	21.21	195.04	25.06	236.66	17.21	150.51	12.36	68.33	6.93

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-13		15-25-14		15-25-15		15-25-16		15-25-16-QA	
		Project	Nunavut		Nunavut		Nunavut		Nunavut		Nunavut	
		Client ID	WTN-06-S		**WTS-03-S		WTS-04-S		WTS-05-S		WTS-05-S	
		Date	9/18/2015		8/22/2015		8/21/2015		9/18/2015		9/18/2015	
			Total Biomass		Total Biomass		Total Biomass		Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage										
Cladoceran	Bosmina sp.	F										
Cladoceran	Daphnia ambigua	F										
Cladoceran	Daphnia middendorffiana	F					0.53	0.11	1.06	0.21	0.53	0.11
Cladoceran	Daphnia sp.	F	0.20	0.04					0.10	0.02	0.20	0.10
Cladoceran	Holopedium gibberum	F										
Cladoceran	Leptodora kindtii	F										
	Total Cladocera		0.20	0.04	0.00	0.00	0.53	0.11	1.16	0.23	0.73	0.21
Calanoid	Calanoida indet.	I-IV	1.83	0.07	1.83	0.07						
Calanoid	Calanoida indet.	V	13.72	0.40	13.72	0.40	2.29	0.07	6.86	0.20	2.29	0.07
Calanoid	Heterocope septentrionalis	F	16.50	3.30	7.07	1.41	11.79	2.36	4.71	0.94	2.36	0.42
Calanoid	Heterocope septentrionalis	M	25.15	5.03	9.14	1.83			2.29	0.46	6.86	1.37
Calanoid	Leptodiaptomus pribilofensis	F	117.86	3.91	54.22	1.80	63.64	2.11	23.57	0.78	16.50	0.55
Calanoid	Leptodiaptomus pribilofensis	I-IV										
Calanoid	Leptodiaptomus pribilofensis	M	89.15	2.61	68.58	2.00	66.29	1.94	11.43	0.33	18.29	0.53
Calanoid	Leptodiaptomus pribilofensis	V	2.29	0.07								
Calanoid	Tropocyclops prasinus mexicanus	F										
	Total Calanoida		266.48	15.38	154.55	7.52	144.01	6.47	48.86	2.72	46.29	2.94
Cyclopoid	Cyclopoida indet.	F									5.80	1.16
Cyclopoid	Cyclopoida indet.	I-IV	7.22	1.44	3.65	0.73	3.75	0.75	2.92	0.58		
Cyclopoid	Cyclopoida indet.	M									4.79	0.96
Cyclopoid	Cyclopoida indet.	V	12.10	2.42	4.54	0.91	3.28	0.66	2.77	0.55		
Cyclopoid	Cyclops scutifer	F	18.09	3.62	2.71	0.54	1.81	0.36	9.04	1.81		
Cyclopoid	Cyclops scutifer	I-IV										
Cyclopoid	Cyclops scutifer	M	16.21	3.24			0.13	0.03	5.70	1.14		
Cyclopoid	Cyclops scutifer	V										
Cyclopoid	Diacyclops thomasi	F	1.42	0.28					0.94	0.19	0.79	0.16
Cyclopoid	Diacyclops thomasi	I-IV									2.99	0.60
Cyclopoid	Diacyclops thomasi	M	1.25	0.25			0.10	0.02	0.10	0.02	0.31	0.06
Cyclopoid	Diacyclops thomasi	V									2.14	0.43
Cyclopoid	Microcyclops sp.	F										
	Total Cyclopoida		56.29	11.26	10.90	2.18	9.07	1.81	21.49	4.30	16.82	3.36
Copepod	Calanoid	nauplius	0.53	0.10	0.09	0.06	0.80	0.03	0.71	0.03	0.71	0.14
Copepod	Cyclopoid	nauplius	0.48	0.11	0.31	0.02	0.17	0.16	0.13	0.14	0.14	0.03
Copepod	Copepoda indet.	nauplius										
	Total Copepod Nauplii		1.02	0.20	0.40	0.08	0.97	0.19	0.84	0.17	0.85	0.17
	Total Crustacean Zooplankton		323.99	26.88	165.85	9.78	154.58	8.59	72.35	7.41	64.69	6.68
Rotifer	Asplanchna sp.						0.20	0.01				
Rotifer	Collotheca sp.											
Rotifer	Conochilus sp.		6.24	0.62	4.09	0.41	3.36	0.34	0.44	0.04	0.29	0.03
Rotifer	Kellicottia sp.		174.47	17.45	118.54	11.85	87.65	8.77	40.49	4.05	52.17	5.22
Rotifer	Keratella sp.		0.21	0.02	0.21	0.02			0.11	0.01	0.07	0.01
Rotifer	Polyarthra sp.		0.14	0.01	0.14	0.01	0.07	0.01	0.10	0.01	0.07	0.01
Rotifer	Rotifer indet.											
Rotifer	Synchaeta sp.											
	Total Rotifera		181.06	18.11	122.99	12.30	91.29	9.12	41.13	4.11	52.61	5.26
	Total Zooplankton		505.05	44.99	288.84	22.08	245.87	17.70	113.48	11.53	117.30	11.94

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-17		15-25-18		15-25-19		15-25-20		15-25-21	
		Project	Nunavut		Nunavut		Nunavut		Nunavut		Nunavut	
		Client ID	WTS-06-S		NEM-03-S		NEM-04-S		NEM-05-S		NEM-06-S	
		Date	9/18/2015		8/23/2015		8/23/2015		9/19/2015		9/19/2015	
			Total Biomass		Total Biomass		Total Biomass		Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage										
Cladoceran	Bosmina sp.	F			0.44	0.09			0.04	0.01	0.44	0.09
Cladoceran	Daphnia ambigua	F										
Cladoceran	Daphnia middendorffiana	F	1.06	0.21	3.18	0.64			0.32	0.06		
Cladoceran	Daphnia sp.	F										
Cladoceran	Holopedium gibberum	F							0.01	0.00		
Cladoceran	Leptodora kindtii	F										
	Total Cladocera		1.06	0.21	3.63	0.73	0.00	0.00	0.38	0.08	0.44	0.09
Calanoid	Calanoida indet.	I-IV			77.88	3.07	64.50	2.55				
Calanoid	Calanoida indet.	V	6.10	0.18	137.16	4.01	109.73	3.21				
Calanoid	Heterocope septentrionalis	F	1.57	0.31			4.71	0.94	4.71	0.94	7.07	1.41
Calanoid	Heterocope septentrionalis	M										
Calanoid	Leptodiaptomus pribilofensis	F	33.00	1.09	249.86	8.28	212.15	7.03	447.87	14.84	212.15	7.03
Calanoid	Leptodiaptomus pribilofensis	I-IV										
Calanoid	Leptodiaptomus pribilofensis	M	6.10	0.18	347.46	10.16	214.88	6.28	324.61	9.49	244.60	7.15
Calanoid	Leptodiaptomus pribilofensis	V										
Calanoid	Tropocyclops prasinus mexicanus	F										
	Total Calanoida		46.76	1.76	812.37	25.52	605.96	20.01	777.19	25.27	463.82	15.59
Cyclopoid	Cyclopoida indet.	F	0.76	0.15								
Cyclopoid	Cyclopoida indet.	I-IV	2.32	0.46	11.11	2.22	10.77	2.15	7.99	1.60	3.54	0.71
Cyclopoid	Cyclopoida indet.	M	0.42	0.08								
Cyclopoid	Cyclopoida indet.	V	3.53	0.71	1.51	0.30	1.51	0.30	2.77	0.55	2.65	0.53
Cyclopoid	Cyclops scutifer	F	6.63	1.33	3.26	0.65	2.17	0.43	0.72	0.14	0.54	0.11
Cyclopoid	Cyclops scutifer	I-IV										
Cyclopoid	Cyclops scutifer	M	5.96	1.19			0.26	0.05				
Cyclopoid	Cyclops scutifer	V										
Cyclopoid	Diacyclops thomasi	F	1.57	0.31								
Cyclopoid	Diacyclops thomasi	I-IV										
Cyclopoid	Diacyclops thomasi	M	0.49	0.10								
Cyclopoid	Diacyclops thomasi	V										
Cyclopoid	Microcyclops sp.	F										
	Total Cyclopoida		21.68	4.34	15.88	3.18	14.71	2.94	11.49	2.30	6.73	1.35
Copepod	Calanoid	nauplius	0.53	0.02	0.12	0.09	0.09	0.11	0.39	0.11	0.59	0.08
Copepod	Cyclopoid	nauplius	0.08	0.11	0.47	0.02	0.57	0.02	0.54	0.08	0.41	0.12
Copepod	Copepoda indet.	nauplius										
	Total Copepod Nauplii		0.62	0.12	0.59	0.12	0.66	0.13	0.93	0.19	1.00	0.20
	Total Crustacean Zooplankton		70.12	6.44	832.46	29.54	621.33	23.08	789.97	27.83	471.99	17.23
Rotifer	Asplanchna sp.											
Rotifer	Collotheca sp.											
Rotifer	Conochilus sp.		0.68	0.07	1.22	0.12	0.93	0.09	0.15	0.01	0.15	0.01
Rotifer	Kellicottia sp.		48.84	4.88	42.16	4.22	39.65	3.97	41.32	4.13	51.34	5.13
Rotifer	Keratella sp.								0.16	0.02	0.14	0.01
Rotifer	Polyarthra sp.		0.17	0.02					0.07	0.01		
Rotifer	Rotifer indet.											
Rotifer	Synchaeta sp.											
	Total Rotifera		49.68	4.97	43.37	4.34	40.58	4.06	41.70	4.17	51.63	5.16
	Total Zooplankton		119.80	11.40	875.84	33.88	661.91	27.14	831.67	32.00	523.62	22.39

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-22		15-25-23		15-25-24		15-25-24-QA		15-25-25	
		Project	Nunavut		Nunavut		Nunavut		Nunavut		Nunavut	
		Client ID	MAM-03-S		MAM-04-S		MAM-05-S		MAM-05-S		MAM-06-S	
		Date	8/24/2015		8/24/2015		9/19/2015		9/19/2015		9/19/2015	
			Total Biomass		Total Biomass		Total Biomass		Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage										
Cladoceran	Bosmina sp.	F	1.48	0.30			0.15	0.03	0.15	0.03		
Cladoceran	Daphnia ambigua	F										
Cladoceran	Daphnia middendorffiana	F	7.07	1.41	0.11	0.02					0.21	0.04
Cladoceran	Daphnia sp.	F					0.07	0.01	0.07	0.01	0.08	0.02
Cladoceran	Holopedium gibberum	F										
Cladoceran	Leptodora kindtii	F										
	Total Cladocera		8.55	1.71	0.11	0.02	0.21	0.04	0.21	0.04	0.29	0.06
Calanoid	Calanoida indet.	I-IV			0.49	0.02			0.81	0.03		
Calanoid	Calanoida indet.	V			0.46	0.01			1.52	0.04		
Calanoid	Heterocope septentrionalis	F	47.14	9.43	42.90	8.58	3.14	0.63			0.94	0.19
Calanoid	Heterocope septentrionalis	M	30.48	6.10	21.03	4.21	4.57	0.91	7.62	1.52	1.83	0.37
Calanoid	Leptodiaptomus pribilofensis	F	612.87	20.31	2.36	0.08	70.72	2.34	73.86	2.45	44.32	1.47
Calanoid	Leptodiaptomus pribilofensis	I-IV										
Calanoid	Leptodiaptomus pribilofensis	M	1005.82	29.40	1.83	0.05	9.14	0.27	13.72	0.40	9.14	0.27
Calanoid	Leptodiaptomus pribilofensis	V	45.72	1.34	1.83	0.05					2.74	0.08
Calanoid	Tropocyclops prasinus mexicanus	F										
	Total Calanoida		1742.03	66.57	70.89	13.00	87.57	4.15	97.53	4.45	58.97	2.37
Cyclopoid	Cyclopoida indet.	F									0.05	0.01
Cyclopoid	Cyclopoida indet.	I-IV	24.31	4.86	1.01	0.20	2.76	0.55	2.39	0.48	1.78	0.36
Cyclopoid	Cyclopoida indet.	M									0.20	0.04
Cyclopoid	Cyclopoida indet.	V	19.33	3.87	0.45	0.09	0.92	0.18	1.09	0.22	0.30	0.06
Cyclopoid	Cyclops scutifer	F	8.44	1.69	0.43	0.09	4.10	0.82	3.86	0.77	2.89	0.58
Cyclopoid	Cyclops scutifer	I-IV										
Cyclopoid	Cyclops scutifer	M			0.03	0.01	2.77	0.55	2.33	0.47	1.09	0.22
Cyclopoid	Cyclops scutifer	V										
Cyclopoid	Diacyclops thomasi	F					0.21	0.04	0.42	0.08	0.25	0.05
Cyclopoid	Diacyclops thomasi	I-IV										
Cyclopoid	Diacyclops thomasi	M					0.14	0.03	0.35	0.07	0.08	0.02
Cyclopoid	Diacyclops thomasi	V										
Cyclopoid	Microcyclops sp.	F	0.32	0.06	0.00	0.00						
	Total Cyclopoida		52.41	10.48	1.93	0.39	10.89	2.18	10.44	2.09	6.65	1.33
Copepod	Calanoid	nauplius	0.77	0.04	0.39	0.05	0.33	0.04	0.50	0.04	0.59	0.02
Copepod	Cyclopoid	nauplius	0.20	0.15	0.25	0.08	0.21	0.07	0.21	0.10	0.11	0.12
Copepod	Copepoda indet.	nauplius									0.07	0.01
	Total Copepod Nauplii		0.97	0.19	0.63	0.13	0.54	0.11	0.71	0.14	0.77	0.15
	Total Crustacean Zooplankton		1803.96	78.96	73.55	13.54	99.22	6.48	108.89	6.72	66.69	3.91
Rotifer	Asplanchna sp.		0.20	0.01	0.20	0.01						
Rotifer	Collotheca sp.											
Rotifer	Conochilus sp.		4.43	0.44	2.44	0.24	0.49	0.05	0.63	0.06	0.73	0.07
Rotifer	Kellicottia sp.		64.28	6.43	46.75	4.67	44.66	4.47	46.75	4.67	32.14	3.21
Rotifer	Keratella sp.		0.11	0.01	0.11	0.01	0.11	0.01	0.11	0.01		
Rotifer	Polyarthra sp.								0.07	0.01	0.07	0.01
Rotifer	Rotifer indet.											
Rotifer	Synchaeta sp.											
	Total Rotifera		69.02	6.89	49.49	4.94	45.25	4.53	47.56	4.76	32.94	3.29
	Total Zooplankton		1872.98	85.85	123.04	18.47	144.47	11.01	156.45	11.48	99.63	7.21

Zooplankton DW and WW biomass data matrix, Azimuth Nunavut 2015

		Biologica #	15-25-26		15-25-27	
		Project	Nunavut		Nunavut	
		Client ID	**DUP-1		DUP-1-September	
		Date	9/24/2015		9/19/2015	
			Total Biomass		Total Biomass	
			WW (mg/sample)	DW (mg/sample)	WW (mg/sample)	DW (mg/sample)
Major Group	Taxon	Stage				
Cladoceran	Bosmina sp.	F			0.11	0.02
Cladoceran	Daphnia ambigua	F				
Cladoceran	Daphnia middendorffiana	F	0.35	0.07	0.27	0.05
Cladoceran	Daphnia sp.	F	0.07	0.01	0.10	0.02
Cladoceran	Holopedium gibberum	F	0.20	0.04		
Cladoceran	Leptodora kindtii	F				
	Total Cladocera		0.62	0.12	0.48	0.10
Calanoid	Calanoida indet.	I-IV				
Calanoid	Calanoida indet.	V				
Calanoid	Hetercope septentrionalis	F	11.00	2.20	3.54	0.71
Calanoid	Hetercope septentrionalis	M	7.62	1.52	1.14	0.23
Calanoid	Leptodiaptomus pribilofensis	F	48.72	1.61	29.46	0.98
Calanoid	Leptodiaptomus pribilofensis	I-IV	6.10	0.06		
Calanoid	Leptodiaptomus pribilofensis	M	35.05	1.02	19.43	0.57
Calanoid	Leptodiaptomus pribilofensis	V	4.57	0.13	3.43	0.10
Calanoid	Tropocyclops prasinus mexicanus	F				
	Total Calanoida		113.05	6.56	57.00	2.58
Cyclopoid	Cyclopoida indet.	F			0.06	0.01
Cyclopoid	Cyclopoida indet.	I-IV	3.77	0.75		
Cyclopoid	Cyclopoida indet.	M			0.19	0.04
Cyclopoid	Cyclopoida indet.	V	1.18	0.24		
Cyclopoid	Cyclops scutifer	F	2.05	0.41	5.34	1.07
Cyclopoid	Cyclops scutifer	I-IV			1.41	0.28
Cyclopoid	Cyclops scutifer	M	0.09	0.02	5.25	1.05
Cyclopoid	Cyclops scutifer	V			2.52	0.21
Cyclopoid	Diacyclops thomasi	F			0.47	0.09
Cyclopoid	Diacyclops thomasi	I-IV				
Cyclopoid	Diacyclops thomasi	M			0.21	0.04
Cyclopoid	Diacyclops thomasi	V				
Cyclopoid	Microcyclops sp.	F				
	Total Cyclopoida		7.09	1.42	15.45	2.80
Copepod	Calanoid	nauplius	0.09	0.04	0.27	0.01
Copepod	Cyclopoid	nauplius	0.22	0.02	0.04	0.05
Copepod	Copepoda indet.	nauplius				
	Total Copepod Nauplii		0.31	0.06	0.30	0.06
	Total Crustacean Zooplankton		121.07	8.16	73.23	5.54
Rotifer	Asplanchna sp.					
Rotifer	Collotheca sp.					
Rotifer	Conochilus sp.		3.17	0.32	0.73	0.07
Rotifer	Kellicottia sp.		35.48	3.55	39.24	3.92
Rotifer	Keratella sp.		0.11	0.01	0.11	0.01
Rotifer	Polyarthra sp.		0.14	0.01	0.12	0.01
Rotifer	Rotifer indet.					
Rotifer	Synchaeta sp.					
	Total Rotifera		38.89	3.89	40.19	4.02
	Total Zooplankton		159.96	12.05	113.42	9.56

Zooplankton per-sample taxonomic presence/absence, zooplankton taxonomic richness, Azimuth Nunavut 2015

Biologica # Project Client ID Date		Grand Total Nunavut	15-25-01 Nunavut WTN-01-S 7/17/2015 Presence Present - Shaded	15-25-02 Nunavut WTN-02-S 7/17/2015 Presence Present - Shaded	15-25-03 Nunavut WTS-01-S 7/17/2015 Presence Present - Shaded	15-25-04 Nunavut WTS-02-S 7/17/2015 Presence Present - Shaded	15-25-05 Nunavut NEM-01-S 7/18/2015 Presence Present - Shaded	15-25-06 Nunavut NEM-02-S 7/18/2015 Presence Present - Shaded
Major Group	Taxon							
Cladoceran	Bosmina sp.							
Cladoceran	Daphnia ambigua							
Cladoceran	Daphnia middendorffiana							
Cladoceran	Daphnia sp.							
Cladoceran	Holopedium gibberum							
Cladoceran	Leptodora kindtii							
Calanoid	Hetercope septentrionalis							
Calanoid	Leptodiaptomus pribilofensis							
Calanoid	Tropocyclops prasinus mexicanus							
Cyclopoid	Cyclops scutifer							
Cyclopoid	Diacyclops thomasi							
Cyclopoid	Microcyclops sp.							
Rotifer	Asplanchna sp.							
Rotifer	Collotheca sp.							
Rotifer	Conochilus sp.							
Rotifer	Kellicottia sp.							
Rotifer	Keratella sp.							
Rotifer	Polyarthra sp.							
Rotifer	Rotifer indet.							
Rotifer	Synchaeta sp.							
Total Zooplankton		20	10	5	9	6	8	8

Zooplankton per-sample taxonomic presence/absence, zooplankton taxonomic richness, Azimuth Nunavut 2015

Biologica # Project Client ID Date		15-25-07 Nunavut MAM-01-S 7/18/2015 Presence Present - Shaded	15-25-08 Nunavut MAM-02-S 7/18/2015 Presence Present - Shaded	15-25-08 - QA Nunavut MAM-02-S 7/18/2015 Presence Present - Shaded	15-25-09 Nunavut DUP-July-Amaruq Presence Present - Shaded	15-25-10 Nunavut WTN-03-S 8/22/2015 Presence Present - Shaded	15-25-11 Nunavut WTN-04-S 8/22/2015 Presence Present - Shaded	15-25-12 Nunavut WTN-05-S 9/18/2015 Presence Present - Shaded
Major Group	Taxon							
Cladoceran	Bosmina sp.							
Cladoceran	Daphnia ambigua							
Cladoceran	Daphnia middendorffiana							
Cladoceran	Daphnia sp.							
Cladoceran	Holopedium gibberum							
Cladoceran	Leptodora kindtii							
Calanoid	Hetercope septentrionalis							
Calanoid	Leptodiaptomus pribilofensis							
Calanoid	Tropocyclops prasinus mexicanus							
Cyclopoid	Cyclops scutifer							
Cyclopoid	Diacyclops thomasi							
Cyclopoid	Microcyclops sp.							
Rotifer	Asplanchna sp.							
Rotifer	Collotheca sp.							
Rotifer	Conochilus sp.							
Rotifer	Kellicottia sp.							
Rotifer	Keratella sp.							
Rotifer	Polyarthra sp.							
Rotifer	Rotifer indet.							
Rotifer	Synchaeta sp.							
Total Zooplankton		6	7	8	9	7	8	5

Zooplankton per-sample taxonomic presence/absence, zooplankton taxonomic richness, Azimuth Nunavut 2015

Biologica #		15-25-13	15-25-14	15-25-26	15-25-15	15-25-16	15-25-16-QA	15-25-17
Project		Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut	Nunavut
Client ID		WTN-06-S	WTS-03-S	DUP-1	WTS-04-S	WTS-05-S	WTS-05-S	WTS-06-S
Date		9/18/2015	8/22/2015	8/22/2015	8/21/2015	9/18/2015	9/18/2015	9/18/2015
		Presence	Presence	Presence	Presence	Presence	Presence	Presence
		Present - Shaded	Present - Shaded	Present - Shaded	Present - Shaded	Present - Shaded	Present - Shaded	Present - Shaded
Major Group	Taxon							
Cladoceran	Bosmina sp.							
Cladoceran	Daphnia ambigua							
Cladoceran	Daphnia middendorffiana							
Cladoceran	Daphnia sp.							
Cladoceran	Holopedium gibberum							
Cladoceran	Leptodora kindtii							
Calanoid	Hetercope septentrionalis							
Calanoid	Leptodiaptomus pribilofensis							
Calanoid	Tropocyclops prasinus mexicanus							
Cyclopoid	Cyclops scutifer							
Cyclopoid	Diacyclops thomasi							
Cyclopoid	Microcyclops sp.							
Rotifer	Asplanchna sp.							
Rotifer	Collotheca sp.							
Rotifer	Conochilus sp.							
Rotifer	Kellicottia sp.							
Rotifer	Keratella sp.							
Rotifer	Polyarthra sp.							
Rotifer	Rotifer indet.							
Rotifer	Synchaeta sp.							
Total Zooplankton		7	5	9	6	7	8	5

Zooplankton per-sample taxonomic presence/absence, zooplankton taxonomic richness, Azimuth Nunavut 2015

Biologica # Project Client ID Date		15-25-18 Nunavut NEM-03-S 8/23/2015 Presence Present - Shaded	15-25-19 Nunavut NEM-04-S 8/23/2015 Presence Present - Shaded	15-25-20 Nunavut NEM-05-S 9/19/2015 Presence Present - Shaded	15-25-21 Nunavut NEM-06-S 9/19/2015 Presence Present - Shaded	15-25-22 Nunavut MAM-03-S 8/24/2015 Presence Present - Shaded	15-25-23 Nunavut MAM-04-S 8/24/2015 Presence Present - Shaded	15-25-24 Nunavut MAM-05-S 9/19/2015 Presence Present - Shaded
Major Group	Taxon							
Cladoceran	Bosmina sp.							
Cladoceran	Daphnia ambigua							
Cladoceran	Daphnia middendorffiana							
Cladoceran	Daphnia sp.							
Cladoceran	Holopedium gibberum							
Cladoceran	Leptodora kindtii							
Calanoid	Heterocope septentrionalis							
Calanoid	Leptodiaptomus pribilofensis							
Calanoid	Tropocyclops prasinus mexicanus							
Cyclopoid	Cyclops scutifer							
Cyclopoid	Diacyclops thomasi							
Cyclopoid	Microcyclops sp.							
Rotifer	Asplanchna sp.							
Rotifer	Collotheca sp.							
Rotifer	Conochilus sp.							
Rotifer	Kellicottia sp.							
Rotifer	Keratella sp.							
Rotifer	Polyarthra sp.							
Rotifer	Rotifer indet.							
Rotifer	Synchaeta sp.							
Total Zooplankton		4	3	8	5	9	8	6

Zooplankton per-sample taxonomic presence/absence, zooplankton taxonomic richness, Azimuth Nunavut 2015

Biologica #		15-25-24-QA	15-25-25	15-25-27
Project		Nunavut	Nunavut	Nunavut
Client ID		MAM-05-S	MAM-06-S	DUP-1-September
Date		9/19/2015	9/19/2015	9/19/2015
		Presence	Presence	Presence
		Present - Shaded	Present - Shaded	Present - Shaded
Major Group	Taxon			
Cladoceran	Bosmina sp.			
Cladoceran	Daphnia ambigua			
Cladoceran	Daphnia middendorffiana			
Cladoceran	Daphnia sp.			
Cladoceran	Holopedium gibberum			
Cladoceran	Leptodora kindtii			
Calanoid	Hetercope septentrionalis			
Calanoid	Leptodiaptomus pribilofensis			
Calanoid	Tropocyclops prasinus mexicanus			
Cyclopoid	Cyclops scutifer			
Cyclopoid	Diacyclops thomasi			
Cyclopoid	Microcyclops sp.			
Rotifer	Asplanchna sp.			
Rotifer	Collotheca sp.			
Rotifer	Conochilus sp.			
Rotifer	Kellicottia sp.			
Rotifer	Keratella sp.			
Rotifer	Polyarthra sp.			
Rotifer	Rotifer indet.			
Rotifer	Synchaeta sp.			
Total Zooplankton		6	7	10

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #
Project
Client ID
Date

Grand Total
Nunavut

15-25-01
Nunavut
WTN-01-S
7/17/2015

15-25-02
Nunavut
WTN-02-S
7/17/2015

	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	83.67	16.73	3029	8.63	1.73	290	12.74	2.55	620
Total Calanoida	6461.63	259.27	18353.83333	25.56	1.01	210	14.60	0.58	120
Total Cyclopoida	727.74	145.26	44226.16667	52.63	10.53	2620	32.97	6.59	1590
Total Copepod Nauplii	30.87	6.17	92590	1.96	0.39	2333.333333	2.07	0.41	2466.666667
Total Rotifera	1796.80	179.61	199683.3333	46.48	4.64	7866.666667	19.72	1.97	3400
Total Zooplankton	9100.71	607.05	357882.3333	135.26	18.29	13320	82.10	12.10	8196.666667

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-03			15-25-04			15-25-05		
Project	Nunavut			Nunavut			Nunavut		
Client ID	WTS-01-S			WTS-02-S			NEM-01-S		
Date	7/17/2015			7/17/2015			7/18/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	5.72	1.14	400	1.12	0.22	82	4.64	0.93	106
Total Calanoida	6.08	0.24	50	3.65	0.14	30	233.65	9.22	1920
Total Cyclopoida	50.65	10.13	2720	35.87	7.17	2080	38.84	7.77	1970
Total Copepod Nauplii	2.52	0.50	3100	0.69	0.14	1066.666667	2.05	0.41	4266.666667
Total Rotifera	51.90	5.18	6366.666667	46.55	4.66	3200	39.81	3.98	4366.666667
Total Zooplankton	116.88	17.20	12636.66667	87.89	12.34	6458.666667	318.99	22.31	12629.33333

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-06			15-25-07			15-25-08		
Project	Nunavut			Nunavut			Nunavut		
Client ID	NEM-02-S			MAM-01-S			MAM-02-S		
Date	7/18/2015			7/18/2015			7/18/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	2.31	0.46	116	0.82	0.16	32	12.19	2.44	410
Total Calanoida	214.33	8.45	1753	11.90	0.43	73	23.75	0.84	140
Total Cyclopoida	33.35	6.67	2570	2.47	0.49	92	39.38	7.88	1420
Total Copepod Nauplii	1.99	0.40	7300	1.52	0.30	2066.666667	0.66	0.13	790
Total Rotifera	44.82	4.48	4533.333333	27.22	2.72	4600	93.64	9.36	13633.33333
Total Zooplankton	296.80	20.46	16272.33333	43.93	4.11	6863.666667	169.63	20.66	16393.33333

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-08 - QA			15-25-09			15-25-10		
Project	Nunavut			Nunavut			Nunavut		
Client ID	MAM-02-S-QA			DUP-July-Amaruq			WTN-03-S		
Date	7/18/2015			(blank)			8/22/2015		
	Total Biomass		Total Abundance (#/sample)	Total Biomass		Total Abundance (#/sample)	Total Biomass		Total Abundance (#/sample)
	WW (mg/sample)	DW (mg/sample)		WW (mg/sample)	DW (mg/sample)		WW (mg/sample)	DW (mg/sample)	
Total Cladocera	10.02	2.00	440	2.68	0.53	186	2.62	0.52	60
Total Calanoida	45.39	1.46	180	48.68	1.92	400	144.01	6.46	310
Total Cyclopoida	42.89	8.58	1550	81.29	16.26	5440	11.73	2.35	770
Total Copepod Nauplii	2.10	0.42	2566.67	1.04	0.21	1433.33	0.43	0.09	3466.67
Total Rotifera	87.48	8.75	14166.67	61.36	6.14	4833.33	77.87	7.79	10517.00
Total Zooplankton	187.87	21.21	18903.33	195.04	25.06	12292.67	236.66	17.21	15123.33

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-11			15-25-12			15-25-13		
Project	Nunavut			Nunavut			Nunavut		
Client ID	WTN-04-S			WTN-05-S			WTN-06-S		
Date	8/22/2015			9/18/2015			9/18/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	0.44	0.09	10	0.08	0.02	4	0.20	0.04	10
Total Calanoida	70.50	3.57	153.3333333	12.11	0.38	26	266.48	15.38	585
Total Cyclopoida	6.85	1.37	493.3333333	8.96	1.79	526	56.29	11.26	2750
Total Copepod Nauplii	0.56	0.11	4300	0.32	0.06	1366.666667	1.02	0.20	5433.333333
Total Rotifera	72.16	7.22	8433.333333	46.86	4.67	5616.666667	181.06	18.11	18600
Total Zooplankton	150.51	12.36	13390	68.33	6.93	7539.333333	505.05	44.99	27378.33333

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-14			15-25-26			15-25-15		
Project	Nunavut			Nunavut			Nunavut		
Client ID	WTS-03-S			DUP-1			WTS-04-S		
Date	8/22/2015			8/22/2015			8/21/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	0.00	0.00	0	0.62	0.12	22.66666667	0.53	0.11	5
Total Calanoida	154.55	7.52	345	113.05	6.56	243.3333333	144.01	6.47	310
Total Cyclopoida	10.90	2.18	780	7.09	1.42	650	9.07	1.81	730
Total Copepod Nauplii	0.40	0.08	3200	0.31	0.06	2300	0.97	0.19	2600
Total Rotifera	122.99	12.30	12666.66667	38.89	3.89	5300	91.29	9.12	9500
Total Zooplankton	288.84	22.08	16991.66667	159.96	12.05	8516	245.87	17.70	13145

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-16			15-25-16-QA			15-25-17		
Project	Nunavut			Nunavut			Nunavut		
Client ID	WTS-05-S			WTS-05-S-QA			WTS-06-S		
Date	9/18/2015			9/18/2015			9/18/2015		
	Total Biomass		Total Abundance (#/sample)	Total Biomass		Total Abundance (#/sample)	Total Biomass		Total Abundance (#/sample)
	WW (mg/sample)	DW (mg/sample)		WW (mg/sample)	DW (mg/sample)		WW (mg/sample)	DW (mg/sample)	
Total Cladocera	1.16	0.23	15	0.73	0.21	10	1.06	0.21	10
Total Calanoida	48.86	2.72	105	46.29	2.94	100	46.76	1.76	100
Total Cyclopoida	21.49	4.30	1035	16.82	3.36	975	21.68	4.34	1006.666667
Total Copepod Nauplii	0.84	0.17	2133.333333	0.85	0.17	2233	0.62	0.12	1433.333333
Total Rotifera	41.13	4.11	3766.666667	52.61	5.26	4534	49.68	4.97	4600
Total Zooplankton	113.48	11.53	7055	117.30	11.94	7852	119.80	11.40	7150

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-18			15-25-19			15-25-20		
Project	Nunavut			Nunavut			Nunavut		
Client ID	NEM-03-S			NEM-04-S			NEM-05-S		
Date	8/23/2015			8/23/2015			9/19/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	3.63	0.73	40	0.00	0.00	0	0.38	0.08	5
Total Calanoida	812.37	25.52	2230	605.96	20.01	1700	777.19	25.27	1670
Total Cyclopoida	15.88	3.18	1750	14.71	2.94	1680	11.49	2.30	1280
Total Copepod Nauplii	0.59	0.12	4800	0.66	0.13	5800	0.93	0.19	5833.333333
Total Rotifera	43.37	4.34	4200	40.58	4.06	3800	41.70	4.17	3650
Total Zooplankton	875.84	33.88	13020	661.91	27.14	12980	831.67	32.00	12438.33333

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-21			15-25-22			15-25-23		
Project	Nunavut			Nunavut			Nunavut		
Client ID	NEM-06-S			MAM-03-S			MAM-04-S		
Date	9/19/2015			8/24/2015			8/24/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	0.44	0.09	10	8.55	1.71	100	0.11	0.02	1
Total Calanoida	463.82	15.59	1000	1742.03	66.57	3766.666667	70.89	13.00	155
Total Cyclopoida	6.73	1.35	630	52.41	10.48	4566.666667	1.93	0.39	177
Total Copepod Nauplii	1.00	0.20	4733.333333	0.97	0.19	2900	0.63	0.13	2900
Total Rotifera	51.63	5.16	4333.333333	69.02	6.89	8366.666667	49.49	4.94	5600
Total Zooplankton	523.62	22.39	10706.66667	1872.98	85.85	19700	123.04	18.47	8833

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #	15-25-24			15-25-24-QA			15-25-25		
Project	Nunavut			Nunavut			Nunavut		
Client ID	MAM-05-S			MAM-05-S-QA			MAM-06-S		
Date	9/19/2015			9/19/2015			9/19/2015		
	Total Biomass		Total Abundance	Total Biomass		Total Abundance	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	0.21	0.04	6.666666667	0.21	0.04	6.666666667	0.29	0.06	6
Total Calanoida	87.57	4.15	186.6666667	97.53	4.45	213.3333333	58.97	2.37	126
Total Cyclopoida	10.89	2.18	666.6666667	10.44	2.09	613.3333333	6.65	1.33	412
Total Copepod Nauplii	0.54	0.11	2466.666667	0.71	0.14	2633.333333	0.77	0.15	1866.666667
Total Rotifera	45.25	4.53	4000	47.56	4.76	4366.666667	32.94	3.29	3166.666667
Total Zooplankton	144.47	11.01	7326.666667	156.45	11.48	7833.333333	99.63	7.21	5577.333333

Total Zooplankton WW/DW Biomass (mg/sample), Abundance (#/sample), and taxonomic richness (total taxa/sample), Azimuth Nunavut 2015

Biologica #
Project
Client ID
Date

15-25-27
Nunavut
DUP-1-September
9/19/2015

	Total Biomass		Total Abundance
	WW (mg/sample)	DW (mg/sample)	(#/sample)
Total Cladocera	0.48	0.10	10
Total Calanoida	57.00	2.58	122.5
Total Cyclopoida	15.45	2.80	687.5
Total Copepod Nauplii	0.30	0.06	666.666667
Total Rotifera	40.19	4.02	3900
Total Zooplankton	113.42	9.56	5386.666667

Zooplankton raw count data for abundance calculations and biomass calculations, Azimuth Nunavut 2015

Client	Project	Year	Biologica #	Split	Date	Client ID	Fraction	Major Group	Groupcode	Family	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Mean DW Biomass_mg	Mean WW Biomass_mg	Biomass assumptions	Total DW Biomass_mg	Total WW Biomass _mg
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Rotifer	ROTI		Asplanchna sp.	n/a	2	33.33333333	66.66666667	7.80401E-05	0.002001028		0.005202672	0.13340184
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Bosmina sp.	F	3	10	30	0.008880563	0.044402816	0.266416894	1.33208447	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Calanoid	CRCO		Calanoida indet.	I-IV	21	10	210	0.004802846	0.121691779	1.008597743	25.55527369	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Calanoid	CRCO		Calanoida indet.	nauplius	65	33.33333333	2166.666667	0.000177853	0.000889266	0.385348494	1.926742472	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Rotifer	ROTI		Collotheca sp.	n/a	1	33.33333333	33.33333333	0.001085142	0.010851422	0.036171408	0.36171408	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Rotifer	ROTI		Conochilus sp.	n/a	130	33.33333333	4333.333333	0.000146136	0.001461355	0.633254044	6.33254044	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Copepod	CRCO		Copepoda indet.	nauplius	1	33.33333333	33.33333333	0.000142032	0.000710161	0.004734405	0.023672026	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	120	10	1200	0.001389335	0.006946677	1.66720246	8.336012298	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	4	33.33333333	133.3333333	2.00168E-05	0.000100084	0.002668912	0.013344558	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cyclopoid	CRCO		Cyclopoida indet.	V	16	10	160	0.005042793	0.025213967	0.806846937	4.034234683	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cyclopoid	CRCO		Cyclops scutifer	F	74	10	740	0.007235588	0.036177938	5.354334856	26.77167428	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cyclopoid	CRCO		Cyclops scutifer	M	52	10	520	0.005185998	0.025929991	2.69671903	13.48359515	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Daphnia middendorffiana	F	1	10	10	0.021219637	0.106098184	0.212196369	1.060981843	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Daphnia middendorffiana	F	1	10	10	0.021219637	0.106098184	0.212196369	1.060981843	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Daphnia sp.	F	2	10	20	0.003999883	0.019999416	0.079997665	0.399988323	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Daphnia sp.	F	1	10	10	0.003999883	0.019999416	0.039998832	0.199994162	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Holopedium gibberum	F	7	10	70	0.002497062	0.012485309	0.174794323	0.873971617	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Holopedium gibberum	F	13	10	130	0.002497062	0.012485309	0.324618029	1.623090147	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Rotifer	ROTI		Kellicottia sp.	n/a	95	33.33333333	3166.666667	0.001252192	0.012521918	3.965274142	39.65274142	
Azimuth	Nunavut	2015	15-25-01	1/10	7/17/2015	WTN-01-S		Cladoceran	CRCL		Leptodora kindtii	F	1	10	10	0.041665665	0.208328325	0.416656649	2.083283246	
Azimuth	Nunavut	2015	15-25-01	3/100	7/17/2015	WTN-01-S		Rotifer	ROTI		Rotifer indet.	n/a	8	33.33333333	266.6666667	0	0	0	0	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cladoceran	CRCL		Bosmina sp.	F	1	10	10	0.008880563	0.044402816	0.088805631	0.444028157	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Calanoid	CRCO		Calanoida indet.	I-IV	12	10	120	0.004802846	0.121691779	0.576341568	14.60301354	
Azimuth	Nunavut	2015	15-25-02	3/100	7/17/2015	WTN-02-S		Calanoid	CRCO		Calanoida indet.	nauplius	63	33.33333333	2100	0.000177853	0.000889266	0.373491618	1.867458089	
Azimuth	Nunavut	2015	15-25-02	3/100	7/17/2015	WTN-02-S		Rotifer	ROTI		Conochilus sp.	n/a	62	33.33333333	2066.666667	0.000146136	0.001461355	0.302013467	3.020134671	
Azimuth	Nunavut	2015	15-25-02	3/100	7/17/2015	WTN-02-S		Copepod	CRCO		Copepoda indet.	nauplius	8	33.33333333	266.6666667	0.000142032	0.000710161	0.037875241	0.189376207	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	60	10	600	0.001389335	0.006946677	0.83360123	4.168006149	
Azimuth	Nunavut	2015	15-25-02	3/100	7/17/2015	WTN-02-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	3	33.33333333	100	2.00168E-05	0.000100084	0.002001684	0.010008419	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cyclopoid	CRCO		Cyclopoida indet.	V	20	10	200	0.005042793	0.025213967	1.008558671	5.042793353	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cyclopoid	CRCO		Cyclops scutifer	F	32	10	320	0.007235588	0.036177938	2.315388046	11.57694023	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cyclopoid	CRCO		Cyclops scutifer	M	47	10	470	0.005185998	0.025929991	2.437419123	12.18709561	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cladoceran	CRCL		Daphnia middendorffiana	F	1	10	10	0.021219637	0.106098184	0.212196369	1.060981843	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cladoceran	CRCL		Daphnia middendorffiana	F	4	10	40	0.021219637	0.106098184	0.848785474	4.243927371	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cladoceran	CRCL		Holopedium gibberum	F	21	10	210	0.002497062	0.012485309	0.52438297	2.621914852	
Azimuth	Nunavut	2015	15-25-02	1/10	7/17/2015	WTN-02-S		Cladoceran	CRCL		Holopedium gibberum	F	35	10	350	0.002497062	0.012485309	0.873971617	4.369858087	
Azimuth	Nunavut	2015	15-25-02	3/100	7/17/2015	WTN-02-S		Rotifer	ROTI		Kellicottia sp.	n/a	40	33.33333333	1333.333333	0.001252192	0.012521918	1.669589113	16.69589113	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Rotifer	ROTI		Asplanchna sp.	n/a	2	33.33333333	66.66666667	7.80401E-05	0.002001028	0.13340184		
Azimuth	Nunavut	2015	15-25-03	1	7/17/2015	WTS-01-S		Cladoceran	CRCL		Bosmina sp.	F	2	1	2	0.008880563	0.044402816	0.017761126	0.088805631	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Calanoid	CRCO		Calanoida indet.	I-IV	5	10	50	0.004802846	0.121691779	0.24014232	6.084588975	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Calanoid	CRCO		Calanoida indet.	nauplius	81	33.33333333	2700	0.000177853	0.000889266	0.480203508	2.401017542	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Rotifer	ROTI		Conochilus sp.	n/a	86	33.33333333	2866.666667	0.000146136	0.001461355	0.418921906	4.18921906	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Copepod	CRCO		Copepoda indet.	nauplius	4	33.33333333	133.3333333	0.000142032	0.000710161	0.018937621	0.094688103	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	130	10	1300	0.001389335	0.006946677	1.806135998	9.03067999	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	8	33.33333333	266.6666667	2.00168E-05	0.000100084	0.0026689116	0.026689116	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Cyclopoid	CRCO		Cyclopoida indet.	V	45	10	450	0.005042793	0.025213967	2.269257009	11.34628504	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Cyclopoid	CRCO		Cyclops scutifer	F	50	10	500	0.007235588	0.036177938	3.617793822	18.08896911	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Cyclopoid	CRCO		Cyclops scutifer	M	47	10	470	0.005185998	0.025929991	2.437419123	12.18709561	
Azimuth	Nunavut	2015	15-25-03	1	7/17/2015	WTS-01-S		Cladoceran	CRCL		Daphnia middendorffiana	F	1	1	1	0.021219637	0.106098184	0.021219637	0.106098184	
Azimuth	Nunavut	2015	15-25-03	1	7/17/2015	WTS-01-S		Cladoceran	CRCL		Daphnia middendorffiana	F	6	1	6	0.021219637	0.106098184	0.127317821	0.636589106	
Azimuth	Nunavut	2015	15-25-03	1	7/17/2015	WTS-01-S		Cladoceran	CRCL		Daphnia sp.	F	1	1	1	0.003999883	0.019999416	0.003999883	0.019999416	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Cladoceran	CRCL		Holopedium gibberum	F	15	10	150	0.002497062	0.012485309	0.374559265	1.872796323	
Azimuth	Nunavut	2015	15-25-03	1/10	7/17/2015	WTS-01-S		Cladoceran	CRCL		Holopedium gibberum	F	24	10	240	0.002497062	0.012485309	0.599294823	2.996474117	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Rotifer	ROTI		Kellicottia sp.	n/a	99	33.33333333	3300	0.001252192	0.012521918	4.132233053	41.32233053	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Rotifer	ROTI		Rotifer indet.	n/a	2	33.33333333	66.66666667	0	0	0	0	
Azimuth	Nunavut	2015	15-25-03	3/100	7/17/2015	WTS-01-S		Rotifer	ROTI		Synchaeta sp.	n/a	2	33.33333333	66.66666667	0.009388446	0.093884464	0.625896425	6.258964251	
Azimuth	Nunavut	2015	15-25-04	1/10	7/17/2015	WTS-02-S		Calanoid	CRCO		Calanoida indet.	I-IV	3	10	30	0.004802846	0.121691779	0.144085392	3.650753385	
Azimuth	Nunavut	2015	15-25-04	3/100	7/17/2015	WTS-02-S		Calanoid	CRCO		Calanoida indet.	nauplius	16	33.33333333	533.3333333	0.000177853	0.000889266	0.094855014	0.47427507	
Azimuth	Nunavut	2015	15-25-04	3/100	7/17/2015	WTS-02-S		Rotifer	ROTI		Conochilus sp.	n/a	16	33.33333333	533.3333333	0.000146136	0.001461355	0.077938959	0.779389593	
Azimuth	Nunavut	2015	15-25-04	3/100	7/17/2015	WTS-02-S														

Zooplankton raw count data for abundance calculations and biomass calculations, Azimuth Nunavut 2015

Client	Project	Year	Biologica #	Split	Date	Client ID	Fraction	Major Group	Groupcode	Family	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Mean DW Biomass_mg	Mean WW Biomass_mg	Biomass assumptions	Total DW Biomass_mg	Total WW Biomass _mg
Azimuth	Nunavut	2015	15-25-05	1	7/18/2015	NEM-01-S		Cladoceran	CRCL		Bosmina sp.	F	2	1	2	0.008880563	0.044402816		0.017761126	0.088805631
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Calanoid	CRCO		Calanoida indet.	I-IV	192	10	1920	0.004802846	0.121691779		9.221465081	233.6482166
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Calanoid	CRCO		Calanoida indet.	nauplius	61	33.33333333	2033.333333	0.000177853	0.000889266		0.361634741	1.808173705
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Rotifer	ROTI		Conochilus sp.	n/a	36	33.33333333	1200	0.000146136	0.001461355		0.175362658	1.753626583
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Copepod	CRCO		Copepoda indet.	nauplius	1	33.33333333	33.33333333	0.000142032	0.000710161		0.004734405	0.023672026
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	102	10	1020	0.001389335	0.006946677		1.417122091	7.085610453
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	66	33.33333333	2200	2.00168E-05	0.000100084		0.044037042	0.22018521
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	V	7	10	70	0.005042793	0.025213967		0.352995535	1.764977674
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Cyclopoid	CRCO		Cyclops scutifer	F	70	10	700	0.007235588	0.036177938		5.06491135	25.32455675
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Cyclopoid	CRCO		Cyclops scutifer	M	18	10	180	0.005185998	0.025929991		0.933479664	4.66739832
Azimuth	Nunavut	2015	15-25-05	1	7/18/2015	NEM-01-S		Cladoceran	CRCL		Daphnia middendorffiana	F	16	1	16	0.021219637	0.106098184		0.33951419	1.697570948
Azimuth	Nunavut	2015	15-25-05	1	7/18/2015	NEM-01-S		Cladoceran	CRCL		Daphnia middendorffiana	F	14	1	14	0.021219637	0.106098184		0.297074916	1.48537458
Azimuth	Nunavut	2015	15-25-05	1	7/18/2015	NEM-01-S		Cladoceran	CRCL		Daphnia sp.	F	7	1	7	0.003999883	0.019999416		0.027999183	0.139995913
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Cladoceran	CRCL		Holopedium gibberum	F	2	10	20	0.002497062	0.012485309		0.049941235	0.249706176
Azimuth	Nunavut	2015	15-25-05	1/10	7/18/2015	NEM-01-S		Cladoceran	CRCL		Holopedium gibberum	F	4	10	40	0.002497062	0.012485309		0.099882471	0.499412353
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Rotifer	ROTI		Kellicottia sp.	n/a	91	33.33333333	3033.333333	0.001252192	0.012521918		3.798315231	37.98315231
Azimuth	Nunavut	2015	15-25-05	1	7/18/2015	NEM-01-S		Cladoceran	CRCL		Leptodora kindtii	F	1	1	1	0.041665665	0.208328325		0.041665665	0.208328325
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Rotifer	ROTI		Polyarthra sp.	n/a	3	33.33333333	100	7.16125E-05	0.000716125		0.007161253	0.071612533
Azimuth	Nunavut	2015	15-25-05	3/100	7/18/2015	NEM-01-S		Rotifer	ROTI		Rotifer indet.	n/a	1	33.33333333	33.33333333	0	0		0	0
Azimuth	Nunavut	2015	15-25-06	1	7/18/2015	NEM-02-S		Cladoceran	CRCL		Bosmina sp.	F	2	1	2	0.008880563	0.044402816		0.017761126	0.088805631
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Calanoid	CRCO		Calanoida indet.	I-IV	175	10	1750	0.004802846	0.121691779		8.404981194	212.9606141
Azimuth	Nunavut	2015	15-25-06	3/100	7/18/2015	NEM-02-S		Calanoid	CRCO		Calanoida indet.	nauplius	47	33.33333333	1566.666667	0.000177853	0.000889266		0.278636604	1.393183018
Azimuth	Nunavut	2015	15-25-06	3/100	7/18/2015	NEM-02-S		Rotifer	ROTI		Conochilus sp.	n/a	29	33.33333333	966.6666667	0.000146136	0.001461355		0.141264364	1.412643637
Azimuth	Nunavut	2015	15-25-06	3/100	7/18/2015	NEM-02-S		Copepod	CRCO		Copepoda indet.	nauplius	1	33.33333333	33.33333333	0.000142032	0.000710161		0.004734405	0.023672026
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	197	10	1970	0.001389335	0.006946677		2.736990705	13.68495352
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclopoida indet.	M	1	10	10	0.005042793	0.025213967		0.050427934	0.252139668
Azimuth	Nunavut	2015	15-25-06	3/100	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	171	33.33333333	5700	2.00168E-05	0.000100084		0.114095973	0.570479864
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclopoida indet.	V	1	10	10	0.005042793	0.025213967		0.050427934	0.252139668
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclopoida indet.	V	11	10	110	0.005042793	0.025213967		0.554707269	2.773536344
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclops scutifer	F	41	10	410	0.007235588	0.036177938		2.966590934	14.83295467
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cyclopoid	CRCO		Cyclops scutifer	M	6	10	60	0.005185998	0.025929991		0.311159888	1.55579944
Azimuth	Nunavut	2015	15-25-06	1	7/18/2015	NEM-02-S		Cladoceran	CRCL		Daphnia middendorffiana	F	2	1	2	0.021219637	0.106098184		0.042439274	0.212196369
Azimuth	Nunavut	2015	15-25-06	1	7/18/2015	NEM-02-S		Cladoceran	CRCL		Daphnia middendorffiana	F	6	1	6	0.021219637	0.106098184		0.127317821	0.636589106
Azimuth	Nunavut	2015	15-25-06	1	7/18/2015	NEM-02-S		Cladoceran	CRCL		Daphnia sp.	F	6	1	6	0.003999883	0.019999416		0.023999299	0.119996497
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cladoceran	CRCL		Holopedium gibberum	F	5	10	50	0.002497062	0.012485309		0.124853088	0.624265441
Azimuth	Nunavut	2015	15-25-06	1/10	7/18/2015	NEM-02-S		Cladoceran	CRCL		Holopedium gibberum	F	5	10	50	0.002497062	0.012485309		0.124853088	0.624265441
Azimuth	Nunavut	2015	15-25-06	3/100	7/18/2015	NEM-02-S		Rotifer	ROTI		Kellicottia sp.	n/a	104	33.33333333	3466.666667	0.001252192	0.012521918		4.340931693	43.40931693
Azimuth	Nunavut	2015	15-25-06	3/100	7/18/2015	NEM-02-S		Rotifer	ROTI		Rotifer indet.	n/a	3	33.33333333	100	0	0		0	0
Azimuth	Nunavut	2015	15-25-06	1	7/18/2015	NEM-02-S		Calanoid	CRCO		Tropocyclops prasinus mexicanus	F	3	1	3	0.013365482	0.457190372		0.040096445	1.371571116
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cladoceran	CRCL		Bosmina sp.	F	7	1	7	0.008880563	0.044402816		0.062163942	0.31081971
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Calanoid	CRCO		Calanoida indet.	I-IV	2	1	2	0.004802846	0.121691779		0.243383559	0.243383559
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Calanoid	CRCO		Calanoida indet.	I-IV	62	1	62	0.004802846	0.121691779		0.297776477	7.544890328
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Calanoid	CRCO		Calanoida indet.	nauplius	46	33.33333333	1533.333333	0.000177853	0.000889266		0.272708165	1.363540827
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Calanoid	CRCO		Calanoida indet.	V	9	1	9	0.013365482	0.457190372		4.114713347	4.114713347
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Rotifer	ROTI		Conochilus sp.	n/a	77	33.33333333	2566.666667	0.000146136	0.001461355		0.375081241	3.750812414
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Copepod	CRCO		Copepoda indet.	nauplius	5	33.33333333	166.6666667	0.000142032	0.000710161		0.023672026	0.118360129
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	16	1	16	0.001389335	0.006946677		0.111146831	0.111146831
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	M	2	1	2	0.005042793	0.025213967		0.010085587	0.050427934
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	11	33.33333333	366.6666667	2.00168E-05	0.000100084		0.007339507	0.036697535
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	V	7	1	7	0.005042793	0.025213967		0.035299553	0.176497767
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclopoida indet.	V	13	1	13	0.005042793	0.025213967		0.065556314	0.327781568
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclops scutifer	F	39	1	39	0.007235588	0.036177938		0.282187918	1.41093959
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cyclopoid	CRCO		Cyclops scutifer	M	15	1	15	0.005185998	0.025929991		0.077789972	0.38894986
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cladoceran	CRCL		Holopedium gibberum	F	7	1	7	0.002497062	0.012485309		0.017479432	0.087397162
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cladoceran	CRCL		Holopedium gibberum	F	17	1	17	0.002497062	0.012485309		0.04245005	0.21225025
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Rotifer	ROTI		Kellicottia sp.	n/a	56	33.33333333	1866.666667	0.001252192	0.012521918		2.337424758	23.37424758
Azimuth	Nunavut	2015	15-25-07	1	7/18/2015	MAM-01-S		Cladoceran	CRCL		Leptodora kindtii	F	1	1	1	0.041665665	0.208328325		0.041665665	0.208328325
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Rotifer	ROTI		Polyarthra sp.	n/a	4	33.33333333	133.3333333	7.16125E-05	0.000716125		0.009548338	0.095483378
Azimuth	Nunavut	2015	15-25-07	3/100	7/18/2015	MAM-01-S		Rotifer	ROTI		Rotifer indet.	n/a	1	33.33333333	33.33333333	0	0		0	0
Azimuth	Nunavut	2015	15-25-08	1/10	7/18/2015	MAM-02-S		Cladoceran	CRCL		Bosmina sp.	F	18	1						

Zooplankton raw count data for abundance calculations and biomass calculations, Azimuth Nunavut 2015

Client	Project	Year	Biologica #	Split	Date	Client ID	Fraction	Major Group	Groupcode	Family	Taxon	Stage	Raw Abundance	Split Multiplier	Total Abundance	Mean DW Biomass_mg	Mean WW Biomass_mg	Biomass assumptions	Total DW Biomass_mg	Total WW Biomass _mg
Azimuth	Nunavut	2015	15-25-08	1/10	7/18/2015	MAM-02-S		Cladoceran	CRCL		Holopedium gibberum	F	15	10	150	0.002497062	0.012485309		0.374559265	1.872796323
Azimuth	Nunavut	2015	15-25-08	1/10	7/18/2015	MAM-02-S		Cladoceran	CRCL		Holopedium gibberum	F	5	10	50	0.002497062	0.012485309		0.124853088	0.624265441
Azimuth	Nunavut	2015	15-25-08	3/100	7/18/2015	MAM-02-S		Rotifer	ROTI		Kellicottia sp.	n/a	192	33.33333333	6400	0.001252192	0.012521918	8.01402774		80.1402774
Azimuth	Nunavut	2015	15-25-08	3/100	7/18/2015	MAM-02-S		Rotifer	ROTI		Polyarthra sp.	n/a	6	33.33333333	200	7.16125E-05	0.000716125	0.014322507		0.143225066
Azimuth	Nunavut	2015	15-25-08	3/100	7/18/2015	MAM-02-S		Rotifer	ROTI		Synchaeta sp.	n/a	1	33.33333333	33.33333333	0.009388446	0.093884464	0.312948213		3.129482126
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cladoceran	CRCL		Bosmina sp.	F	11	10	110	0.008880563	0.044402816	0.976861945		4.884309725
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Calanoid	CRCO		Calanoida indet.	I-IV	11	10	110	0.004802846	0.121691779	0.528313104		13.38609574
Azimuth	Nunavut	2015	15-25-08 - QA	3/100	7/18/2015	MAM-02-S-QA		Calanoid	CRCO		Calanoida indet.	nauplius	70	33.33333333	2333.333333	0.000177853	0.000889266	0.414990686		2.074953432
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Calanoid	CRCO		Calanoida indet.	V	7	10	70	0.013365482	0.457190372	0.935583709		32.00332603
Azimuth	Nunavut	2015	15-25-08 - QA	3/100	7/18/2015	MAM-02-S-QA		Rotifer	ROTI		Conochilus sp.	n/a	248	33.33333333	8266.666667	0.000146136	0.001461355	1.208053869		12.08053869
Azimuth	Nunavut	2015	15-25-08 - QA	1/100	7/18/2015	MAM-02-S-QA		Rotifer	ROTI		Conochilus sp.	n/a	1	100	100	0.000146136	0.001461355	0.014613555		0.146135549
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	32	10	320	0.001389335	0.006946677	0.444587323		2.222936613
Azimuth	Nunavut	2015	15-25-08 - QA	3/100	7/18/2015	MAM-02-S-QA		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	7	33.33333333	233.3333333	2.00168E-05	0.000100084	0.004670595		0.02352977
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cyclopoid	CRCO		Cyclopoida indet.	V	6	10	60	0.005042793	0.025213967	0.302567601		1.512838006
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cyclopoid	CRCO		Cyclops scutifer	F	86	10	860	0.007235588	0.036177938	6.222605373		31.11302687
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cyclopoid	CRCO		Cyclops scutifer	M	31	10	310	0.005185998	0.025929991	1.607659421		8.038297107
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cladoceran	CRCL		Daphnia middendorffiana	F	1	10	10	0.021219637	0.106098184	0.212196369		1.060981843
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cladoceran	CRCL		Daphnia sp.	F	1	10	10	0.003999883	0.019999416	0.039998832		0.199994162
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cladoceran	CRCL		Holopedium gibberum	F	20	10	200	0.002497062	0.012485309	0.499412353		2.497061764
Azimuth	Nunavut	2015	15-25-08 - QA	1/10	7/18/2015	MAM-02-S-QA		Cladoceran	CRCL		Holopedium gibberum	F	11	10	110	0.002497062	0.012485309	0.274676794		1.37338397
Azimuth	Nunavut	2015	15-25-08 - QA	3/100	7/18/2015	MAM-02-S-QA		Rotifer	ROTI		Kellicottia sp.	n/a	157	33.33333333	5233.333333	0.001252192	0.012521918	6.553137267		65.53137267
Azimuth	Nunavut	2015	15-25-08 - QA	3/100	7/18/2015	MAM-02-S-QA		Rotifer	ROTI		Polyarthra sp.	n/a	14	33.33333333	466.6666667	7.16125E-05	0.000716125	0.03419182		0.34191822
Azimuth	Nunavut	2015	15-25-08 - QA	1/100	7/18/2015	MAM-02-S-QA		Rotifer	ROTI		Synchaeta sp.	n/a	1	100	100	0.009388446	0.093884464	0.938844638		9.388446377
Azimuth	Nunavut	2015	15-25-09	1		DUP-July-Amaruq		Cladoceran	CRCL		Bosmina sp.	F	2	1	2	0.008880563	0.044402816	0.017761126		0.088805631
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Calanoid	CRCO		Calanoida indet.	I-IV	20	20	400	0.004802846	0.121691779	0.921138559		48.6767118
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Calanoid	CRCO		Calanoida indet.	nauplius	34	33.33333333	1133.333333	0.000177853	0.000889266	0.201566905		1.007834524
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Rotifer	ROTI		Conochilus sp.	n/a	26	33.33333333	866.6666667	0.000146136	0.001461355	0.126650809		1.266508088
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	171	20	3420	0.001389335	0.006946677	4.75152701		23.75763505
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclopoida indet.	M	5	20	100	0.005042793	0.025213967	0.504279335		2.521396677
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	9	33.33333333	300	2.00168E-05	0.000100084	0.006005051		0.030025256
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclopoida indet.	V	3	20	60	0.005042793	0.025213967	0.302567601		1.512838006
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclopoida indet.	V	33	20	660	0.005042793	0.025213967	3.328243613		16.64121807
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclops scutifer	F	28	20	560	0.007235588	0.036177938	4.05192908		20.2596454
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cyclopoid	CRCO		Cyclops scutifer	M	32	20	640	0.005185998	0.025929991	3.19038806		16.59519403
Azimuth	Nunavut	2015	15-25-09	1		DUP-July-Amaruq		Cladoceran	CRCL		Daphnia ambigua	F	2	1	2	0.002148681	0.012892088	0.004297363		0.025784177
Azimuth	Nunavut	2015	15-25-09	1		DUP-July-Amaruq		Cladoceran	CRCL		Daphnia middendorffiana	F	1	1	1	0.021219637	0.106098184	0.021219637		0.106098184
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cladoceran	CRCL		Holopedium gibberum	F	3	20	60	0.002497062	0.012485309	0.149823706		0.749118529
Azimuth	Nunavut	2015	15-25-09	2/10		DUP-July-Amaruq		Cladoceran	CRCL		Holopedium gibberum	F	6	20	120	0.002497062	0.012485309	0.299647412		1.498237059
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Rotifer	ROTI		Kellicottia sp.	n/a	106	33.33333333	3533.333333	0.001252192	0.012521918	4.424411148		44.24411148
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Rotifer	ROTI		Keratella sp.	n/a	1	33.33333333	33.33333333	0.000105538	0.001055381	0.003517938		0.035179375
Azimuth	Nunavut	2015	15-25-09	1		DUP-July-Amaruq		Cladoceran	CRCL		Leptodora kindtii	F	1	1	1	0.041665665	0.208328325	0.041665665		0.208328325
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Rotifer	ROTI		Polyarthra sp.	n/a	7	33.33333333	233.3333333	7.16125E-05	0.000716125	0.016709591		0.167095911
Azimuth	Nunavut	2015	15-25-09	3/100		DUP-July-Amaruq		Rotifer	ROTI		Synchaeta sp.	n/a	5	33.33333333	166.6666667	0.009388446	0.093884464	1.564741063		15.64741063
Azimuth	Nunavut	2015	15-25-10	3/100	8/22/2015	WTN-03-S		Calanoid	CRCO		Calanoida indet.	nauplius	3	33.33333333	100	0.000177853	0.000889266	0.017785315		0.088926576
Azimuth	Nunavut	2015	15-25-10	3/100	8/22/2015	WTN-03-S		Rotifer	ROTI		Conochilus sp.	n/a	134	33.33333333	4466.666667	0.000146136	0.001461355	0.652738784		6.527387838
Azimuth	Nunavut	2015	15-25-10	2/100	8/22/2015	WTN-03-S		Rotifer	ROTI		Conochilus sp.	n/a	3	50	150	0.000146136	0.001461355	0.021920332		0.219203323
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Cyclopoid	CRCO		Cyclopoida indet.	I-IV	98	5	490	0.001389335	0.006946677	0.680774338		3.403871688
Azimuth	Nunavut	2015	15-25-10	3/100	8/22/2015	WTN-03-S		Cyclopoid	CRCO		Cyclopoida indet.	nauplius	101	33.33333333	3366.666667	2.00168E-05	0.000100084	0.067390019		0.336950095
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Cyclopoid	CRCO		Cyclopoida indet.	V	31	5	155	0.005042793	0.025213967	0.78163297		3.908164849
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Cyclopoid	CRCO		Cyclops scutifer	F	23	5	115	0.007235588	0.036177938	0.832092579		4.160462895
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Cyclopoid	CRCO		Cyclops scutifer	M	2	5	10	0.005185998	0.025929991	0.051859981		0.259299907
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Cladoceran	CRCL		Daphnia middendorffiana	F	4	5	20	0.021219637	0.106098184	0.424392737		2.121963685
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Calanoid	CRCO		Heterocope septentrionalis	F	2	5	10	0.094287498	0.471437491	0.942874982		4.714374911
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Calanoid	CRCO		Heterocope septentrionalis	M	3	5	15	0.091438074	0.457190372	1.371571116		6.857855578
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Cladoceran	CRCL		Holopedium gibberum	F	8	5	40	0.002497062	0.012485309	0.099882471		0.499412353
Azimuth	Nunavut	2015	15-25-10	3/100	8/22/2015	WTN-03-S		Rotifer	ROTI		Kellicottia sp.	n/a	170	33.33333333	5666.666667	0.001252192	0.012521918	7.095753728		70.95753728
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Calanoid	CRCO		Leptodiaptomus pribilofensis	F	30	5	150	0.015622034	0.471437491	2.343305172		70.71562366
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Calanoid	CRCO		Leptodiaptomus pribilofensis	M	24	5	120	0.013365482	0.457190372	1.603857788		54.86284462
Azimuth	Nunavut	2015	15-25-10	2/10	8/22/2015	WTN-03-S		Calanoid	CRCO		Leptodiaptomus pribilofensis	V	3	5	15	0.013365482	0.457190372	0.200482223		6.85785557