

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Anderson Park Pond (Constructed)

Species	Start of Sampling Period							
	14-Jul		20-Oct		8-Sep		22-Sep	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
Bdelloid (r)		x						
<i>Conochilus unicornis</i> (r)		x		x		x		
<i>Hexarthra mira</i> (r)		x		x		x		x
<i>Polyarthra dolichoptera</i> (r)	x		x		x	x		x
<i>Daphnia carinata</i> (cl)	x		x	x	x	x		x
<i>Keratella australis</i> (r)	x		x		x	x		x
<i>Brachionus caudatus</i> (r)	x		x	x	x	x	x	x
<i>Brachionus urceolaris</i> (r)	x		x	x	x	x	x	x
<i>Filinia longiseta</i> (r)				x		x	x	x
Ostracod	x							
<i>Trichocerca pusilla</i> (r)								x
<i>Brachionus quadridentatus</i> (r)								x
<i>Brachionus calyciflorus</i> (r)			x					
Nematodes		x		x		x		x
Nauplii	x	x	x	x	x	x	x	x
Chironomids		x	x	x				x

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### Cooks Beach Pond (Constructed)

Species	Start of Sampling Period							
	11-Aug		6-Oct		30-Jun		25-Aug	
	Core 1		Core 2		Core 3		Core 5	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x		x	x	
<i>Camptocercus australis</i> (cl)					x			
<i>Keratella tropica</i> (r)	x	x	x				x	x
<i>Brachionus calyciflorus</i> (r)	x						x	x
<i>Brachionus quadridentatus</i> (r)								x
<i>Anuraeopsis fissa</i> (r)				x				x
<i>Brachionus angularis</i> (r)							x	
Plumatella					x	x	x	

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### Cornwall Park Pond (Constructed)

Species	Start of Sampling Period							
	20-Oct		6-Oct		8-Sep		14-Jul	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Asplanchna brightwelli</i> (r)		x		x	x	x	x	x
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x	x	x	x	x
<i>Brachionus calyciflorus</i> (r)	x	x	x	x	x	x	x	x
<i>Hexarthra mira</i> (r)		x	x	x		x	x	x
<i>Leydigia australis</i> (cl)	x							x
<i>Brachionus angularis</i> (r)	x	x	x	x	x		x	x
<i>Ceriodaphnia dubia</i> (cl)							x	
<i>Testudinella patina</i> (r)				x				x
<i>Brachionus budapestinensis</i> (r)			x			x		
Ostracod							x	x
<i>Paracyclops fimbriatus</i> (cy)								x
Diptera: Ceratopogonidae larvae						x		
Chironomids						x	x	
Nauplii							x	x
Plumatella				x				
<i>Sphaerium novaezelandiae</i> (Freshwater mussel)	x							

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### Duddings Lake (Natural)

Species	Start of Sampling Period							
	8-Sep		17-Jun		6-Oct		20-Oct	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Brachionus angularis</i> (r)	x	x	x	x	x	x		
<i>Daphnia galeata</i> (cl)	x	x	x	x	x	x	x	x
<i>Synchaeta pectinata</i> (r)	x	x	x	x				
<i>Pompholyx complanata</i> (r)	x		x	x				
<i>Asplanchna girodi</i> (r)	x		x				x	
<i>Synchaeta oblonga</i> (r)	x		x					
<i>Polyarthra dolichoptera</i> (r)			x					
<i>Ceriodaphnia dubia</i> (cl)	x	x	x	x		x	x	
<i>Bosmina meridionalis</i> (cl)	x	x	x	x		x		
<i>Asplanchna priodonta</i> (r)		x		x	x	x		
<i>Trichocerca similis</i> (r)			x	x				
<i>Conochilus dossuarius</i> (r)			x	x				
<i>Filinia longiseta</i> (r)	x		x					
<i>Ascomorpha saltans</i> (r)	x	x	x					
<i>Keratella valga</i> (r)			x					
<i>Hexarthra intermedia</i> (r)	x	x						
Ostracod		x						
<i>Brachionus caudatus</i> (r)						x		
Nauplii	x	x	x	x	x	x	x	x

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### Lake Gilmour (Constructed)

Species	Start of Sampling Period							
	20-Oct		6-Oct		17-Jun		25-Aug	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)	x			x	x	x	x	x
<i>Ceriodaphnia dubia</i> (cl)		x			x	x		x
<i>Anuraeopsis fissa</i> (r)				x		x		x
<i>Keratella tropica</i> (r)				x	x		x	x
<i>Brachionus quadridentatus</i> (r)		x					x	x
<i>Bosmina meridionalis</i> (cl)							x	
Nematodes	x							
Chironomids					x			
Nauplii	x	x	x		x		x	x

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### Lake Henley (Constructed)

Species	Start of Sampling Period							
	20-Oct		6-Oct		30-Jun		22-Sep	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus angularis</i> (r)	x	x	x	x	x	x	x	x
<i>Filinia longiseta</i> (r)	x	x	x	x	x	x	x	x
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x	x	x		x
<i>Asplanchna brightwelli</i> (r)	x	x		x		x		x
<i>Brachionus quadridentatus</i> (r)	x				x	x	x	x
<i>Brachionus calyciflorus</i> (r)	x	x	x	x	x	x	x	x
<i>Hexarthra mira</i> (r)		x		x		x		
<i>Ceriodaphnia dubia</i> (cl)	x	x	x	x	x	x	x	x
<i>Ascomorpha sultans</i> (r)						x		
<i>Brachionus caudatus</i> (r)	x	x		x			x	x
<i>Synchaeta pectinata</i> (r)			x					
Nauplii		x						
Mites						x	x	
Nematodes					x			
Plumatella		x	x	x	x	x	x	x

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### Lake Huiputea (Constructed)

Species	Start of Sampling Period							
	6-Oct		20-Oct		8-Sep		14-Jul	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Asplanchna brightwelli</i> (r)		x	x			x		x
<i>Brachionus calyciflorus</i> (r)			x	x	x	x	x	x
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x	x	x	x	x
<i>Brachionus angularis</i> (r)		x	x	x	x	x	x	x
<i>Brachionus quadridentatus</i> (r)		x		x	x	x		x
<i>Daphnia galeata</i> (cl)	x			x	x	x	x	
<i>Keratella tropica</i> (r)	x		x	x	x	x	x	x
<i>Filinia longiseta</i> (r)		x		x		x		
<i>Trichocerca pusilla</i> (r)						x		
<i>Ceriodaphnia dubia</i> (cl)					x			
Ostracod		x			x			
<i>Gastropus hyptopus</i> (r)		x						
<i>Anuraeopsis fissa</i> (r)		x						
<i>Hexarthra mira</i> (r)	x							
Plumatella								x
Chironomids	x	x						
Mites	x		x	x				
Nematodes	x	x						

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### Lake Humuhumu (Natural)

Species	Start of Sampling Period							
	30-Jun		20-Oct		11-Aug		8-Sep	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Hexarthra mira</i> (r)			x			x		x
<i>Filinia longiseta</i> (r)			x	x		x		
<i>Pompholyx sulcata</i> (r)						x		
<i>Anuraeopsis navicula</i> (r)						x		x
<i>Conochilus dossuarius</i> (r)						x		
Mites	x		x	x				
Nematode						x		



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### Lake Kai-Iwi (Natural)

Species	Start of Sampling Period							
	11-Aug		14-Jul		22-Sep		28-Jul	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Hexarthra intermedia</i> (r)		x		x				
<i>Filinia novaezealandiae</i> (r)				x				
<i>Polyarthra dolichoptera</i> (r)	x							x
<i>Anuraeopsis fissa</i> (r)		x						
<i>Conochilus dossuarius</i> (r)		x						
<i>Acanthocyclops robustus</i> (cy)			x					
Mites			x					
Nauplii	x		x		x	x		
Nematodes	x							

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### Lake Kanono (Natural)

Species	Start of Sampling Period							
	30-Jun		25-Aug		11-Aug		28-Jul	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Hexarthra intermedia</i> (r)		x	x	x	x	x		
<i>Trichocerca pusilla</i> (r)					x	x		
<i>Macrocyclops albidus</i> (cy)		x						
<i>Paracyclops fimbriatus</i> (cy)	x							
Mites	x	x			x	x		
Nauplii	x							
Nematodes						x		x
Chironomids				x				

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### Lake Karapiro (Constructed)

Species	Start of Sampling Period							
	28-Jul		22-Sep		25-Aug		11-Aug	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Anuraeopsis fissa</i> (r)							x	
<i>Trichocerca pusilla</i> (r)						x	x	
Plumatella		x		x				x
Chironomids							x	

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### Lower Whitby Lake (Constructed)

Species	Start of Sampling Period							
	22-Sep		20-Oct		14-Jul		8-Sep	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Synchaeta pectinata</i> (r)						x	x	
<i>Daphnia galeata</i> (cl)		x	x	x		x	x	x
<i>Synchaeta oblonga</i> (r)				x	x	x		
<i>Asplanchna brightwelli</i> (r)			x		x		x	x
<i>Brachionus angularis</i> (r)			x		x			
<i>Pompholyx</i> sp. (r)		x			x	x	x	x
<i>Proales</i> sp. (r)						x		
<i>Brachionus calyciflorus</i> (r)			x					x
<i>Ceriodaphnia dubia</i> (cl)		x					x	x
<i>Filinia longiseta</i> (r)		x		x				
<i>Anuraeopsis fissa</i> (r)	x							
Mites					x			
Plumatella			x	x		x	x	x
Nauplii	x	x	x		x		x	

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### Lake Mangamahoe (Constructed)

Species	Start of Sampling Period							
	11-Aug		25-Aug		28-Jul		6-Oct	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Daphnia galeata</i> (cl)		x	x	x	x	x		
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x	x	x		
<i>Synchaeta oblonga</i> (r)		x		x	x	x		
<i>Brachionus calyciflorus</i> (r)		x		x	x			
<i>Filinia longiseta</i> (r)	x	x	x	x	x			x
<i>Brachionus angularis</i> (r)		x		x				
<i>Asplanchna girodi</i> (r)	x	x						
<i>Keratella slacki</i> (r)	x							
<i>Anuraeopsis fissa</i> (r)				x				
Chironomids	x				x	x		
Nematodes				x		x		

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### Massey University Palmerston North Pond (Constructed)

Species	Start of Sampling Period							
	6-Oct		28-Jul		11-Aug		20-Oct	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)				x		x	x	x
<i>Filinia longiseta</i> (r)		x		x	x			
<i>Brachionus calyciflorus</i> (r)	x			x	x	x	x	x
<i>Ceriodaphnia dubia</i> (cl)				x				
<i>Anuraeopsis fissa</i> (r)		x	x	x	x	x	x	x
<i>Bosmina meridionalis</i> (cl)		x	x		x	x	x	x
<i>Brachionus quadridentatus</i> (r)			x	x	x	x		x
<i>Brachionus angularis</i> (r)	x	x	x		x			x
<i>Keratella tropica</i> (r)		x			x	x	x	x
<i>Synchaeta pectinata</i> (r)					x			x
<i>Keratella slacki</i> (r)					x	x	x	x
<i>Conochilus dossuarius</i> (r)							x	
Ostracod				x				
Mites	x	x	x	x		x	x	x
Nauplii			x	x				
Chironomids	x	x		x		x		

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### Lake Matahina (Constructed)

Species	Start of Sampling Period							
	6-Oct		8-Sep		22-Sep		17-Jun	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus calyciflorus</i> (r)	x	x	x	x	x	x	x	x
<i>Cephalodella catellina</i> (r)	x					x	x	x
<i>Bosmina meridionalis</i> (cl)		x	x	x		x	x	x
<i>Brachionus quadridentatus</i> (r)		x				x	x	x
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x	x	x	x	x
<i>Asplanchna brightwelli</i> (r)	x							x
<i>Collotheca</i> sp. (r)							x	
<i>Keratella cochlearis</i> (r)			x					
<i>Brachionus urceolaris</i> (r)						x		
<i>Anuraeopsis fissa</i> (r)	x					x		
Chironomids				x	x		x	
Nauplii							x	
Mayfly		x					x	
Plumatella		x		x		x	x	x

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### Lake McLaren (Constructed)

Species	Start of Sampling Period							
	17-Jun		25-Aug		22-Sep		11-Aug	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x	x		x	
<i>Ceriodaphnia dubia</i> (cl)		x	x	x	x	x	x	
<i>Asplanchna brightwelli</i> (r)				x	x			
<i>Synchaeta oblonga</i> (r)			x	x	x			
<i>Biapertura affinis</i> (cl)				x		x		
Nauplii - Benthic		x	x	x		x		
Nematodes						x		x
Chironomids				x				



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### Lake Moananui (Constructed)

Species	Start of Sampling Period							
	25-Aug		17-Jun		6-Oct		20-Oct	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus calyciflorus</i> (r)	x	x	x	x	x	x	x	x
<i>Synchaeta oblonga</i> (r)			x	x			x	x
Bdelloid (r)			x	x				
<i>Asplanchna brightwelli</i> (r)			x					
<i>Keratella procurva</i> (r)			x					
<i>Brachionus angularis</i> (r)	x	x						x
<i>Ceriodaphnia dubia</i> (cl)		x						
<i>Filinia longiseta</i> (r)					x			
<i>Conochilus dossuarius</i> (r)						x		
Chironomids		x	x			x	x	x
Nauplii			x	x				

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**Lake Ngatu (Natural)**

Species	Start of Sampling Period							
	6-Oct		22-Sep		11-Aug		28-Jul	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Hexarthra intermedia</i> (r)				x		x		
<i>Synchaeta oblonga</i> (r)				x				
<i>Ceriodaphnia dubia</i> (cl)				x				

No Hatching

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### Ohaupo Road Pond (Constructed)

Species	Start of Sampling Period							
	28-Jul		22-Sep		8-Sep		20-Oct	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)		x	x	x		x	x	x
<i>Keratella tropica</i> (r)	x	x	x	x	x	x		
<i>Filinia longiseta</i> (r)	x	x	x	x		x	x	
<i>Brachionus angularis</i> (r)	x	x	x	x		x		x
<i>Ascomorpha saltans</i> (r)		x		x			x	x
<i>Keratella slacki</i> (r)				x		x	x	
<i>Trichocerca similis</i> (r)			x		x	x		x
<i>Brachionus calyciflorus</i> (r)			x		x			
Ostracod								x
Nematodes	x	x		x	x	x	x	x
Plumatella						x		

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### Lake Okataina (Natural)

Species	Start of Sampling Period							
	17-Jun		20-Oct		22-Sep		8-Sep	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Trichocerca pusilla</i> (r)		x	x	x				x
<i>Synchaeta oblonga</i> (r)	x	x		x	x			
<i>Hexarthra intermedia</i> (r)		x		x		x		
<i>Ceriodaphnia dubia</i> (cl)	x	x			x	x	x	x
<i>Trichocerca similis</i> (r)		x				x		x
<i>Ascomorpha saltans</i> (r)	x	x		x	x	x		
<i>Synchaeta pectinata</i> (r)	x				x			
<i>Bosmina meridionalis</i> (cl)		x	x					
<i>Conochilus dossuarius</i> (r)		x				x		
<i>Pompholyx complanata</i> (r)		x				x		
<i>Gastropus hyptopus</i> (r)					x		x	
<i>Filinia longiseta</i> (r)				x				
Chironomids					x	x		
Nauplii			x					

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Ora (Natural)

Species	Start of Sampling Period							
	8-Sep		25-Aug		14-Jul		6-Oct	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Brachionus urceolaris</i> (r)	x	x	x	x	x	x	x	x
<i>Pseudomoina lemnae</i> (cl)	x	x	x	x	x	x	x	x
<i>Keratella procurva</i> (r)	x	x	x	x	x	x	x	x
<i>Polyarthra dolichoptera</i> (r)		x	x	x		x	x	
<i>Filinia longiseta</i> (r)	x				x	x	x	x
<i>Anuraeopsis fissa</i> (r)	x	x	x	x	x	x	x	x
<i>Ceriodaphnia dubia</i> (cl)				x	x	x		
Ostracod						x		
<i>Testudinella patina</i> (r)								x
Plumatella		x		x		x		x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Panorama (Constructed)

Species	Start of Sampling Period							
	25-Aug		14-Jul		22-Sep		11-Aug	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Filinia novaezealandiae</i> (r)		x		x		x		x
<i>Daphnia galeata</i> (cl)	x	x	x	x	x	x	x	x
<i>Brachionus angularis</i> (r)								x
<i>Brachionus calyciflorus</i> (r)		x				x		x
<i>Ceriodaphnia dubia</i> (cl)							x	
<i>Pompholyx</i> sp. (r)		x				x	x	
Ostracod				x				
<i>Gastropus hyptopus</i> (r)						x		
Nauplii	x	x	x	x	x	x	x	x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Pupuke (Natural)

Species	Start of Sampling Period							
	14-Jul		23-Oct		25-Aug		28-Jul	
	Core 1		Core 2		Core 3		Core 5	
	12	20	12	20	12	20	12	20
<i>Synchaeta oblonga</i> (r)		x					x	
<i>Daphnia galeata</i> (cl)								x
Ostracod						x		
Nematode							x	x

No  
Hatching

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Rerewhakaaitu (Natural)

Species	Start of Sampling Period							
	22-Sep		30-Jun		8-Sep		6-Oct	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Hexarthra intermedia</i> (r)	x			x	x	x		x
<i>Alona quadrangularis</i> (cl)				x				
<i>Filinia terminalis</i> (r)			x			x		x
<i>Conochilus coenobasis</i> (r)			x	x		x		
<i>Ceriodaphnia dubia</i> (cl)			x					
<i>Proales</i> sp. (r)			x					
<i>Asplanchna brightwelli</i> (r)					x	x		
<i>Trichocerca pusilla</i> (r)						x		
<i>Pompholyx</i> sp. (r)						x		
<i>Gastropus hyptopus</i> (r)					x			
<i>Anuraeopsis fissa</i> (r)	x	x						
<i>Bosmina meridionalis</i> (cl)								x
Nauplii	x	x	x	x	x	x	x	x
Nematodes				x				



**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Rotoehu (Natural)

Species	Start of Sampling Period							
	6-Oct		8-Sep		14-Jul		20-Oct	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Trichocerca pusilla</i> (r)						x		
<i>Daphnia galeata</i> (cl)	x	x	x	x	x	x	x	x
<i>Hexarthra intermedia</i> (r)	x	x		x		x	x	
<i>Keratella tropica</i> (r)		x				x		
<i>Alona quadrangularis</i> (cl)				x				
<i>Polyarthra dolichoptera</i> (r)		x					x	x
<i>Ceriodaphnia dubia</i> (cl)	x	x					x	x
Mites	x	x	x	x	x	x	x	
Nematodes					x	x		
Chironomids							x	

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Rotokaeo (Natural)

Species	Start of Sampling Period							
	8-Sep		22-Sep		20-Oct		11-Aug	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Daphnia galeata</i> (cl)			x					x
<i>Polyarthra dolichoptera</i> (r)					x	x	x	x
Ostracod	x							
<i>Leydigia australis</i> (cl)			x					
Bdelloid (r)					x			
Nauplii							x	x
Nematodes					x	x		

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Rotokare (Natural)

Species	Start of Sampling Period							
	6-Oct		8-Sep		25-Aug		14-Jul	
	Core 1		Core 2		Core 3		Core 5	
	12	20	12	20	12	20	12	20
<i>Asplanchna brightwelli</i> (r)			x					x
<i>Synchaeta oblonga</i> (r)			x	x	x		x	
<i>Ceriodaphnia dubia</i> (cl)	x	x	x	x	x	x	x	x
<i>Gastropus hyptopus</i> (r)	x		x	x	x	x		x
<i>Filinia novaezealandiae</i> (r)								x
<i>Asplanchna priodonta</i> (r)								x
<i>Daphnia galeata</i> (cl)						x		
<i>Brachionus urceolaris</i> (r)						x		
<i>Anuraeopsis fissa</i> (r)					x	x		
<i>Trichocerca pusilla</i> (r)				x				
<i>Pompholyx complanata</i> (r)	x	x		x				
<i>Bosmina meridionalis</i> (cl)	x							
Nauplii							x	

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Rotoma (Natural)

Species	Start of Sampling Period							
	20-Oct		20-Oct		28-Jul		14-Jul	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Synchaeta oblonga</i> (r)								x
<i>Gastropus hyptopus</i> (r)	x					x		
Ostracod							x	
<i>Trichocerca pusilla</i> (r)	x							
<i>Keratella tropica</i> (r)	x							
<i>Pompholyx</i> sp. (r)	x							
Chironomids							x	
Mites							x	
Nematodes	x							x

No  
Hatching

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Rotorangi (Constructed)

Species	Start of Sampling Period							
	25-Aug		30-Jun		8-Sep		20-Oct	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Filinia longiseta</i> (r)	x	x	x	x	x	x		
<i>Synchaeta oblonga</i> (r)				x				
<i>Proalides</i> sp. (r)				x				
<i>Brachionus calyciflorus</i> (r)	x		x	x	x			
<i>Keratella tecta</i> (r)		x		x				
<i>Asplanchna priodonta</i> (r)		x		x				x
<i>Brachionus angularis</i> (r)			x					
<i>Anuraeopsis fissa</i> (r)	x	x		x	x	x		
<i>Polyarthra dolichoptera</i> (r)		x						
<i>Ceriodaphnia dubia</i> (cl)	x	x			x			
<i>Hexarthra intermedia</i> (r)	x				x			
<i>Bosmina meridionalis</i> (cl)						x		
Plumatella		x	x			x		x
Chironomids		x						

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Te Ko Utu (Natural)

Species	Start of Sampling Period							
	28-Jul		11-Aug		6-Oct		22-Sep	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Daphnia galeata</i> (cl)	x	x	x		x	x	x	x
<i>Keratella tropica</i> (r)	x	x		x	x		x	x
<i>Brachionus calyciflorus</i> (r)		x		x		x		x
<i>Ascomorpha saltans</i> (r)		x		x			x	x
<i>Polyarthra dolichoptera</i> (r)		x					x	x
<i>Filinia longiseta</i> (r)	x	x						
<i>Brachionus quadridentatus</i> (r)		x		x				x
<i>Asplanchna girodi</i> (r)	x		x					
<i>Pompholyx</i> sp. (r)	x	x				x		
<i>Synchaeta oblonga</i> (r)			x				x	
Family: Chydoridae (cl)			x					
<i>Gastropus hyptopus</i> (r)								x
<i>Lecane bulla</i> (r)								x
Plumatella			x					

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Te Whaiiau Reservoir (Natural)

Species	Start of Sampling Period							
	25-Aug		11-Aug		28-Jul		22-Sep	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
Ostracod								x
<i>Eucyclops serrulatus</i> (cy)				x				
Nauplii					x			
Chironomids		x		x			x	x
Mayfly larvae			x	x				
Nematodes				x				

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Tikitapu (Natural)

Species	Start of Sampling Period							
	28-Jul		11-Aug		20-Oct		30-Jun	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Ceriodaphnia dubia</i> (cl)				x	x	x	x	x
<i>Asplanchna priodonta</i> (r)								x
<i>Bosmina meridionalis</i> (cl)				x			x	
Nauplii		x			x	x		x
Nematodes		x		x		x	x	x



**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Tomarata (Natural)

Species	Start of Sampling Period							
	28-Jul		25-Aug		6-Oct		30-Jun	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Ceriodaphnia dubia</i> (cl)	x		x	x		x	x	x
<i>Hexarthra mira</i> (r)								x
<i>Proales</i> sp. (r)								x
<i>Asplanchna priodonta</i> (r)							x	
<i>Bosmina meridionalis</i> (cl)				x				
Ostracod							x	x
<i>Macrocyclus albidus</i> (cy)				x				
Mites								x
Nematodes		x		x		x	x	x
Nauplii				x				

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Turtle Lake (Constructed)

Species	Start of Sampling Period							
	20-Oct		6-Oct		17-Jun		22-Sep	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)			x	x		x		
<i>Brachionus calyciflorus</i> (r)						x		
Bdelloid (r)					x	x		
<i>Daphnia galeata</i> (cl)			x		x		x	
<i>Bosmina meridionalis</i> (cl)					x			
<i>Trichocerca mus</i> (r)						x		
<i>Anuraeopsis fissa</i> (r)								x
<i>Asplanchna brightwelli</i> (r)							x	
<i>Filinia longiseta</i> (r)				x				
<i>Pompholyx</i> sp. (r)			x					
Chironomids	x	x	x			x	x	x
Nauplii	x		x	x	x	x	x	x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Tutira (Natural)

Species	Start of Sampling Period							
	25-Aug		20-Oct		6-Oct		17-Jun	
	Core 1		Core 2		Core 3		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus angularis</i> (r)	x	x	x	x	x	x	x	x
<i>Synchaeta pectinata</i> (r)	x		x	x		x	x	x
<i>Filinia longiseta</i> (r)	x	x	x	x	x	x	x	x
<i>Polyarthra dolichoptera</i> (r)	x	x		x			x	x
<i>Trichocerca pusilla</i> (r)	x			x	x	x		x
<i>Brachionus calyciflorus</i> (r)	x	x						x
<i>Hexarthra mira</i> (r)			x	x	x			x
<i>Ascomorpha saltans</i> (r)	x	x	x	x	x	x	x	x
<i>Daphnia carinata</i> (cl)	x	x	x		x	x	x	x
<i>Ceriodaphnia dubia</i> (cl)	x	x	x		x	x	x	x
<i>Gastropus hyptopus</i> (r)	x	x						
<i>Brachionus caudatus</i> (r)			x	x				
<i>Pompholyx</i> sp. (r)				x				
Plumatella		x						

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Virginia (Natural)

Species	Start of Sampling Period							
	22-Sep		6-Oct		17-Jun		8-Sep	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Hexarthra intermedia</i> (r)				x		x		
<i>Daphnia galeata</i> (cl)	x	x	x	x	x	x	x	x
<i>Synchaeta oblonga</i> (r)	x	x	x	x		x		
Bdelloid (r)						x		
<i>Ptygura</i> sp. (r)					x			
<i>Ceriodaphnia dubia</i> (cl)	x	x	x	x	x		x	x
<i>Conochilus dossuarius</i> (r)					x			
<i>Asplanchna brightwelli</i> (r)	x	x	x				x	x
<i>Polyarthra dolichoptera</i> (r)	x							x
<i>Ascomorpha sultans</i> (r)	x	x	x	x				x
<i>Filinia terminalis</i> (r)	x	x	x	x			x	
<i>Bosmina meridionalis</i> (cl)	x	x	x	x				x
<i>Trichocerca pusilla</i> (r)	x							x
<i>Keratella tropica</i> (r)		x						
<i>Pompholyx</i> sp. (r)				x				
Chironomids					x	x		
Nauplii	x	x	x	x	x	x		x
Nematodes				x	x	x		
Plumatella					x	x		

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Waahi (Natural)

Species	Start of Sampling Period							
	6-Oct		8-Sep		28-Jul		20-Oct	
	Core 1		Core 2		Core 3		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus calyciflorus</i> (r)	x	x	x	x	x	x	x	x
<i>Brachionus angularis</i> (r)	x	x	x	x	x	x	x	x
<i>Bosmina meridionalis</i> (r)						x		
<i>Daphnia galeata</i> (cl)	x	x	x	x	x	x		x
<i>Asplanchna brightwelli</i> (r)				x	x			x
<i>Ascomorpha sultans</i> (r)						x		
<i>Pompholyx</i> sp. (r)				x		x		
<i>Trichocerca pusilla</i> (r)		x	x	x			x	x
<i>Filinia longiseta</i> (r)				x				
<i>Brachionus urceolaris</i> (r)			x	x				
<i>Gastropus hyptopus</i> (r)							x	
Nauplii	x	x	x	x	x	x	x	x
Nematodes				x		x		
Plumatella								x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Waikere (Natural)

Species	Start of Sampling Period							
	11-Aug		25-Aug		28-Jul		14-Jul	
	Core 1		Core 2		Core 3		Core 4	
	12	20	12	20	12	20	12	20
<i>Ceriodaphnia dubia</i> (cl)		x	x	x	x			x
<i>Bosmina meridionalis</i> (cl)	x	x	x	x	x	x		
<i>Filinia terminalis</i> (r)			x					

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Waiwhakareke (Horseshoe Lake) (Natural)

Species	Start of Sampling Period							
	14-Jul		6-Oct		20-Oct		8-Sep	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus calyciflorus</i> (r)		x		x		x		x
Bdelloid (r)		x						
<i>Asplanchna brightwelli</i> (r)		x						
<i>Daphnia galeata</i> (cl)	x		x			x		x
<i>Hexarthra mira</i> (r)		x						x
<i>Pompholyx</i> sp.	x		x			x	x	
<i>Filinia terminalis</i> (r)								x
<i>Polyarthra dolichoptera</i> (r)				x		x		x
<i>Trichocerca pusilla</i> (r)								x
<i>Conochilus exiguus</i> (r)							x	
<i>Brachionus quadridentatus</i> (r)								x
<i>Synchaeta oblonga</i> (r)			x					
<i>Brachionus angularis</i> (r)						x		
Nematodes				x		x		
Plumatella		x						

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Weavers Lake (Constructed)

Species	Start of Sampling Period							
	8-Sep		6-Oct		23-Oct		28-Jul	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus angularis</i> (r)	x	x	x	x		x	x	x
<i>Filinia longiseta</i> (r)	x	x		x			x	x
Bdelloid (r)							x	x
<i>Synchaeta oblonga</i> (r)	x	x		x	x	x	x	x
<i>Daphnia galeata</i> (cl)	x		x	x	x		x	x
<i>Pompholyx sulcata</i> (r)	x	x	x	x			x	
<i>Hexarthra intermedia</i> (r)		x		x	x			
<i>Ascomorpha ovalis</i> (r)	x	x						
<i>Trichocerca pusilla</i> (r)	x	x						
<i>Polyarthra dolichoptera</i> (r)	x	x		x				
<i>Diacyclops bicuspidatus</i> (cy)	x							
Nauplii	x	x	x	x			x	x
Nematodes								x
Plumatella						x		



**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

**Wellington Botanical Gardens Pond (Constructed)**

Species	Start of Sampling Period							
	25-Aug		23-Oct		14-Jul		11-Aug	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Mesocyclops leuckarti</i> (cy)		x						x
Ostracod		x						
Harpacticoid Nauplii	x	x			x	x	x	x
Chironomids			x					
Nematodes				x				
Plumatella				x				

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Westmere (Natural)

Species	Start of Sampling Period							
	11-Aug		28-Jul		25-Aug		22-Sep	
	Core 2		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Polyarthra dolichoptera</i> (r)	x	x	x	x		x		
<i>Filinia longiseta</i> (r)	x		x					
<i>Ascomorpha sultans</i> (r)	x	x	x					x
<i>Asplanchna brightwelli</i> (r)	x	x						x
<i>Brachionus angularis</i> (r)	x	x				x		
<i>Pompholyx</i> sp. (r)		x						
<i>Brachionus calyciflorus</i> (r)	x					x		
<i>Daphnia galeata</i> (cl)		x				x		
<i>Anuraeopsis fissa</i> (r)	x					x		
<i>Brachionus quadridentatus</i> (r)		x				x		
<i>Bosmina meridionalis</i> (cl)	x							
<i>Ceriodaphnia dubia</i> (cl)		x						
Ostracod								x
<i>Hexarthra mira</i> (r)							x	
Chironomids				x				
Plumatella			x	x			x	
Nematodes	x	x	x	x			x	x
Nauplii	x	x	x	x		x		x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Whakamaru (Constructed)

Species	Start of Sampling Period							
	28-Jul		8-Sep		23-Oct		6-Oct	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Brachionus quadridentatus</i> (r)		x		x				
<i>Brachionus calyciflorus</i> (r)	x	x						
<i>Gastropus hyptopus</i> (r)				x				
<i>Daphnia galeata</i> (cl)			x					
Plumatella		x						

No  
Hatching

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Whangamata Pond (Constructed)

Species	Start of Sampling Period							
	11-Aug		17-Jun		25-Aug		22-Sep	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Cephalodella stenroosi</i> (r)			x					
<i>Moina tenuicornis</i> (cl)						x		
<i>Mesocyclops leuckarti</i> (cy)						x		
Nauplii				x				
Nematodes	x	x	x	x		x	x	
Chironomids	x	x				x	x	x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Whau Reservoir (Constructed)

Species	Start of Sampling Period							
	11-Aug		22-Sep		14-Jul		20-Oct	
	Core 1		Core 2		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Ceriodaphnia dubia</i> (cl)	x	x	x	x	x	x	x	
<i>Synchaeta oblonga</i> (r)			x		x		x	
<i>Filinia terminalis</i> (r)			x	x				
<i>Asplanchna brightwelli</i> (r)								x

**Appendix 1:** Raw hatching data from water bodies sampled in the North Island, New Zealand. Water bodies appear in alphabetical order. r = rotifer, cl = cladoceran, cy = cyclopoid copepod, '12' & '20' represent 12 °C & 20 °C incubators, 'x' represents presence of the species in the sample.

### Lake Wiritoa (Natural)

Species	Start of Sampling Period							
	22-Sep		25-Aug		30-Jun		23-Oct	
	Core 1		Core 3		Core 4		Core 5	
	12	20	12	20	12	20	12	20
<i>Asplanchna brightwelli</i> (r)						x		
<i>Asplanchna seiboldi</i> (r)					x	x		
<i>Trichocerca similis</i> (r)						x		
<i>Ascomorpha sultans</i> (r)			x	x	x	x		
<i>Daphnia galeata</i> (cl)						x		
<i>Anuraeopsis fissa</i> (r)				x				
<i>Hexarthra intermedia</i> (r)		x						
Plumatella		x	x	x	x	x		x
Nauplii	x	x		x	x			x