

Appendix 7.2-2

Periphyton Taxonomic Results, 1998

FES Sample Number Area Sampled (cm ²) Phylum		Order	Genera and Species	Stickleback Outflow June 26 - Jul 30, 1998 Cell Density (cells/cm ²)			Ave.	Std. Error	%
				980181a	980182	980183			
				25.00 Rep. 1	20.21 Rep. 2	28.00 Rep. 3			
			SUM:	1,206.6	2,194.8	0.0	1,134	635	2
Cyanophyta	Chamaesiphonales Chroococcales		<i>Clastidium setiferum</i>	<603.3	731.6	633.6			
			<i>Agmenellum tenuissima</i>						
			<i>Agmenellum</i>	<603.3					
			<i>Anacystis limneticus</i>						
			<i>Anacystis</i>						
			<i>Anacystis</i> ³	44,040.9	17,924.2	3,168.0			
	Nostocales		<i>Gomphosphaeria Naegelianum</i>						
			<i>Gomphosphaeria</i>						
			<i>Rhabdoderma</i>						
			UID						
			<i>Anabaena</i>	13,875.9	<365.8	<158.4			
			<i>Aphanizomenon flos-aquae</i>						
	Oscillatoriales		<i>Gloeotrichia possibly</i>						
			<i>Nostoc</i>			<158.4			
			<i>Pseudanabaena catenata poss.</i>						
			<i>Rivularia</i>						
			<i>Lyngbya limnetica</i>						
			<i>Lyngbya</i>	<603.3	10,974.0	1,584.0			
Pyrrophyta	Cryptomonadales		<i>Oscillatoria tenuis</i>						
			<i>Oscillatoria</i>	3,619.8	6,950.2	1,425.6			
	Dinokontae		UID sheathed filament	<603.3	<365.8	950.4			
			SUM:	61,536.6	36,580.0	7,761.6	35,293	15,537	58
			<i>Chroomonas acuta</i>		365.8	158.4			
			<i>Cryptomonas</i>	<603.3	<365.8	<158.4			
			<i>Peridinium inconspicuum</i>						
			<i>Peridinium / Glenodinium</i>	603.3	1,829.0	316.8			
			SUM:	603.3	2,194.8	475.2	1,091	553	2
Rhodophyta			SUM:	0	0	0	0	0	0
						sum of ave:	60,712		
				98,013	64,493	19,628	60,712	22,707	100

UID = unidentified

1 Loose cells possibly of *Tetraspora*

2 possibly *Pseudochaete* considered by some phycologists as a growth form of *Stigeoclonium*

3 *Anacystis* includes *Coccochloris*

4 Formerly this species *Teilingia granulata* was included in the genus *Sphaerosasma*

Appendix 7.2-2
Periphyton Taxonomic Results, 1998

			Trout Outflow June 26 - Jul 31, 1998 Cell Density (cells/cm ²)					
FES Sample Number			980184	980185	980186			
Area Sampled (cm ²)			27.00	25.00	20.58			
Phylum	Order	Genera and Species	Rep. 1	Rep. 2	Rep. 3	Ave.	Std. Error	%
Bacillariophyceae	Centrales	<i>Cyclotella</i>						
		<i>Melosira italica</i>						
		<i>Melosira</i>						
	Pennales	<i>Rhizosolenia</i>						
		<i>Achnanthes minutissima</i>	2,146.9	4,164.4	1,408.4			
		<i>Achnanthes</i>	3,067.0	4,164.4	1,609.6			
		<i>Amphipleura pellucida</i>						
		<i>Amphora</i>			<201.2			
		<i>Asterionella formosa</i>						
		<i>Caloneis</i>						
		<i>Ceratoneis</i>						
		<i>Cocconeis</i>						
		<i>Cymatopleura</i>						
		<i>Cymbella minuta</i>						
		<i>Cymbella</i>	306.7		201.2			
		<i>Diatoma elongatum</i>	2,146.9	1,041.1	402.4			
		<i>Diatoma</i>						
		<i>Diploneis</i>						
		<i>Epithemia sorex</i>						
		<i>Eunotia</i>	613.4	3,123.3	201.2			
		<i>Fragilaria crotonensis</i>						
		<i>Fragilaria</i>	613.4	4,164.4	201.2			
		<i>Frustulia</i>						
		<i>Gomphonema</i>	<306.7		<201.2			
		<i>Meridion circulare</i>						
		<i>Navicula radiosa</i>						
		<i>Navicula</i>	<306.7	<1,041.1	<201.2			
		<i>Neidium</i>						
		<i>Nitzschia acicularis</i>	<306.7					
		<i>Nitzschia</i>			201.2			
		<i>Pinnularia</i>	<306.7		<201.2			
		<i>Pleurosigma / Gyrosigma</i>						
		<i>Stauroneis</i>			<201.2			
		<i>Surirella</i>						
		<i>Synedra ulna</i>			<201.2			
		<i>Synedra</i>			603.6			
		<i>Tabellaria fenestrata</i>		<1,041.1	201.2			
		<i>Tabellaria flocculosa</i>	306.7	1,041.1	1,810.8			
		SUM:	1,314.4	2,949.8	684.1	1,649	675	0
Chlorophyta	Chaetophorales	UID unicellular			<201.2			
		UID flagellate						
		<i>Coleochaete</i>						
		<i>Stigeoclonium</i>						
	Chlorococcales	<i>Stigeoclonium</i> poss. ²						
		UID						
		<i>Ankistrodesmus falcatus</i>	1,533.5	1,041.1	2,012.0			
		<i>Ankistrodesmus spiralis</i>						
		<i>Ankistrodesmus</i>						
		<i>Botryococcus braunii</i>			<201.2			
		<i>Coelastrum</i>						
		<i>Crucigenia quadrata</i>						
		<i>Crucigenia rectangularis</i>	<306.7					
		<i>Crucigenia tetrapedia</i>	<306.7	<1,041.1	804.8			
		<i>Crucigenia</i>						
		<i>Dictyosphaerium</i>						
		<i>Euastropsis</i>			<201.2			
		<i>Elakatothrix</i>		<1,041.1				
		<i>Kirchneriella</i>						
		<i>Lagerheimia</i>			201.2			
		<i>Nephrocytium</i>						

Appendix 7.2-2
Periphyton Taxonomic Results, 1998

		Trout Outflow June 26 - Jul 31, 1998					
		Cell Density (cells/cm ³)					
FES Sample Number		980184	980185	980186			
Area Sampled (cm ²)		27.00	25.00	20.58			
Phylum	Order	Rep. 1	Rep. 2	Rep. 3	Ave.	Std. Error	%
		<i>Oocystis</i>					
		<i>Pediastrum</i>	<306.7		<201.2		
		<i>Quadrigula</i>					
		<i>Scenedesmus</i>	1,226.8	<1,041.1	<201.2		
		<i>Schroederia</i>					
		<i>Selenastrum minutum</i>					
		<i>Sphaerocystis schroeteri</i>					
		<i>Tetraedron</i>		<1,041.1			
		<i>Treubaria</i>					
	Euglenales	<i>Euglena</i>	<306.7				
		<i>Phacus</i>					
		<i>Trachelomonas</i>	306.7	<1,041.1			
	Oedogoniales	<i>Bulbochaete</i>					
		<i>Oedogonium</i>	<306.7	<1,041.1	<201.2		
	Tetrasporales	<i>Gloeocystis ampla</i>					
		<i>Apiocystis brauniana</i>					
		<i>Cylindrocapsa poss.</i>					
		<i>Tetraspora</i>					
		<i>Tetraspora poss.</i> ¹	46,005.0	320,658.8	13,681.6		
	Ulothricales	<i>Cylindrocapsa poss.</i>					
		<i>Geminella</i>					
		<i>Microspora</i>					
		<i>Ulothrix</i>					
	Volvocales	<i>Chlamydomonas</i>					
		<i>Eudorina</i>					
	Zygnematales	<i>Arthrodesmus</i>					
		<i>Bambussina</i>					
		<i>Closterium</i>	306.7	<1,041.1	402.4		
		<i>Cosmarium</i>	306.7	1,041.1	1,408.4		
		<i>Euastrum</i>	<306.7		201.2		
		<i>Gonatozygon</i>					
		<i>Hyalotheca</i>	<306.7	<1,041.1	<201.2		
		<i>Micrasterias</i>					
		<i>Mougeotia</i>	<306.7	<1,041.1	<201.2		
		<i>Netrium</i>					
		<i>Penium</i>					
		<i>Pleurotaenium</i>			<201.2		
		<i>Spirogyra</i>					
		<i>Spondyliosium planum</i>	<306.7	<1,041.1			
		<i>Staurastrum</i>	613.4	<1,041.1	1,006.0		
		<i>Teilingia</i> ⁴	1,840.2	1,041.1	603.6		
		<i>Xanthidium</i>	<306.7		<201.2		
		<i>Zygnema</i>	<306.7				
		UID					
		SUM:	52,139.0	323,782.1	20,321.2	132,081	96,290 22
Chrysophyta		UID flagellate	306.7	2,082.2	402.4		
		UID unicellular					
	Chromulinales	<i>Hydrurus foetidus possibly</i>					
	Ochromonadales	<i>Dinobryon bavaricum</i>					
		<i>Dinobryon cylindrium</i>					
		<i>Dinobryon divergens</i>		<1,041.1			
		<i>Dinobryon sertularia</i>					
		<i>Dinobryon</i>	306.7	<1,041.1			
		<i>Kephyrion/Pseudokephyrion</i>					
		<i>Mallomonas akrokomos</i>					
		<i>Mallomonas</i>			<201.2		
		UID					
	Rhizochrysidales	<i>Diceras phaseolus</i>					
	Tribonematales	<i>Tribonema</i>					

Appendix 7.2-2 Periphyton Taxonomic Results, 1998

FES Sample Number	Area Sampled (cm ²)	Phylum	Order	Genera and Species	Trout Outflow June 26 - Jul 31, 1998 Cell Density (cells/cm ²)			Ave.	Std. Error	%
					980184 27.00 Rep. 1	980185 25.00 Rep. 2	980186 20.58 Rep. 3			
				SUM:	613.4	2,082.2	402.4	1,033	528	0
Cyanophyta	Chamaesiphonales Chroococcales			<i>Clastidium setiferum</i>	19,935.5	38,520.7	8,450.4			
				<i>Agmenellum tenuissima</i>						
				<i>Agmenellum</i>	3,680.4					
				<i>Anacystis limneticus</i>						
				<i>Anacystis</i>	<306.7		804.8			
				<i>Anacystis</i> ³						
				<i>Gomphosphaeria Naegelianum</i>						
				<i>Gomphosphaeria</i>	<306.7					
				<i>Rhabdoderma</i>						
				UID	286,457.8	780,825.0	179,068.0			
	Nostocales			<i>Anabaena</i>	<306.7	<1,041.1	1,207.2			
				<i>Aphanizomenon flos-aquae</i>	<306.7	<1,041.1	<201.2			
				<i>Gloeotrichia possibly</i>						
				<i>Nostoc</i>						
				<i>Pseudanabaena catenata poss.</i>						
				<i>Rivularia</i>						
	Oscillatoriales			<i>Lyngbya limnetica</i>						
				<i>Lyngbya</i>	3,373.7		<201.2			
				<i>Oscillatoria tenuis</i>						
				<i>Oscillatoria</i>	18,402.0	12,493.2	3,219.2			
				UID sheathed filament	6,134.0					
				SUM:	337,983.4	831,838.9	192,749.6	454,191	193,423	77
Pyrrophyta	Cryptomonadales			<i>Chroomonas acuta</i>						
				<i>Cryptomonas</i>			<201.2			
	Dinokontae			<i>Peridinium inconspicuum</i>						
				<i>Peridinium / Glenodinium</i>	<306.7					
				SUM:	0.0	0.0	0.0	0	0	0
Rhodophyta						8,328.8	603.6			
				SUM:	0	8328.8	603.6	2,977	2,681	1
								sum of ave:	591,931	
					392,050	1,168,982	214,761	591,931	293,029	100

UID = unidentified

1 Loose cells possibly of *Tetraspora*

2 possibly *Pseudochaete* considered by some phycologists as a growth form of *Stigeoclonium*

3 *Anacystis* includes *Coccochloris*

4 Formerly this species *Teilingia granulata* was included in the genus *Sphaeroszoma*

Appendix 7.2-2 Periphyton Taxonomic Results, 1998

			Boston Reference Outflow June 28 - Aug 1, 1998 Cell Density (cells/cm ²)					
FES Sample Number			980187	980188	980189			
Area Sampled (cm ²)			13.50	22.50	35.00			
Phylum	Order	Genera and Species	Rep. 1	Rep. 2	Rep. 3	Ave.	Std. Error	%
Bacillariophyceae	Centrales	<i>Cyclotella</i>	<1,708.6	<341.7				
		<i>Melosira italica</i>						
		<i>Melosira</i>						
	Pennales	<i>Rhizosolenia</i>						
		<i>Achnanthes minutissima</i>	1,708.6	683.4	185.9			
		<i>Achnanthes</i>	10,251.6	3,758.7	371.8			
		<i>Amphipleura pellucida</i>						
		<i>Amphora</i>	<1,708.6		<185.9			
		<i>Asterionella formosa</i>	<1,708.6					
		<i>Caloneis</i>	<1,708.6		<185.9			
		<i>Ceratoneis</i>						
		<i>Cocconeis</i>						
		<i>Cymatopleura</i>						
		<i>Cymbella minuta</i>						
		<i>Cymbella</i>	3,417.2		371.8			
		<i>Diatoma elongatum</i>	18,794.6	341.7	557.7			
		<i>Diatoma</i>						
		<i>Diploneis</i>	1,708.6	<341.7	<185.9			
		<i>Epithemia sorax</i>						
		<i>Eunotia</i>	1,708.6	341.7	<185.9			
		<i>Fragilaria crotonensis</i>	<1,708.6		<185.9			
		<i>Fragilaria</i>	11,960.2	341.7	743.6			
		<i>Frustulia</i>	<1,708.6					
		<i>Gomphonema</i>		341.7	<185.9			
		<i>Meridion circulare</i>						
		<i>Navicula radiosa</i>						
		<i>Navicula</i>	3,417.2	<341.7	371.8			
		<i>Neidium</i>						
		<i>Nitzschia acicularis</i>	1,708.6	341.7	185.9			
		<i>Nitzschia</i>	8,543.0		185.9			
		<i>Pinnularia</i>	<1,708.6					
		<i>Pleurosigma / Gyrosigma</i>						
		<i>Stauroneis</i>	<1,708.6					
		<i>Surirella</i>						
		<i>Synedra ulna</i>	1,708.6	<341.7				
		<i>Synedra</i>	6,834.4		185.9			
		<i>Tabellaria fenestrata</i>	<1,708.6					
		<i>Tabellaria flocculosa</i>	11,960.2	3,758.7	2,230.8			
		SUM:	6,440.1	1,238.7	539.1	2,739	1,861	2
Chlorophyta	Chaetophorales	UID unicellular		<341.7	185.9			
		UID flagellate		<341.7				
		<i>Coleochaete</i>		<341.7				
		<i>Stigeoclonium</i>	<1,708.6	<341.7	<185.9			
		<i>Stigeoclonium poss.</i> ²						
	Chlorococcales	UID			371.8			
		<i>Ankistrodesmus falcatus</i>	8,543.0	1,366.8	1,301.3			
		<i>Ankistrodesmus spiralis</i>	<1,708.6		<185.9			
		<i>Ankistrodesmus</i>						
		<i>Botryococcus braunii</i>						
		<i>Coelastrum</i>	<1,708.6	1,366.8	<185.9			
		<i>Crucigenia quadrata</i>						
		<i>Crucigenia rectangularis</i>			<185.9			
		<i>Crucigenia tetrapedia</i>	<1,708.6	<341.7	<185.9			
		<i>Crucigenia</i>			<185.9			
		<i>Dictyosphaerium</i>		1366.8				
		<i>Euastropsis</i>						
		<i>Elakatothrix</i>						
		<i>Kirchneriella</i>						
		<i>Lagerheimia</i>			185.9			
		<i>Nephrocytium</i>						

Appendix 7.2-2
Periphyton Taxonomic Results, 1998

FES Sample Number Area Sampled (cm ²)		Boston Reference Outflow June 28 - Aug 1, 1998 Cell Density (cells/cm ²)			Ave.	Std. Error	%
		980187 13.50 Rep. 1	980188 22.50 Rep. 2	980189 35.00 Rep. 3			
Phylum	Order	Genera and Species					
		<i>Oocystis</i>	<1,708.6	<341.7	<185.9		
		<i>Pediastrum</i>	<1,708.6	<341.7	<185.9		
		<i>Quadrigula</i>					
		<i>Scenedesmus</i>	10,251.6	1366.8	1,487.2		
		<i>Schroederia</i>					
		<i>Selenastrum minutum</i>					
		<i>Sphaerocystis Schroeteri</i>		<341.7	<185.9		
		<i>Tetraedron</i>		<341.7	<185.9		
		<i>Treubaria</i>					
	Euglenales	<i>Euglena</i>	<1,708.6		<185.9		
		<i>Phacus</i>					
		<i>Trachelomonas</i>	<1,708.6	<341.7	<185.9		
	Oedogoniales	<i>Bulbochaete</i>	1,708.6	2,391.9	1,487.2		
		<i>Oedogonium</i>	49,549.4	2,733.6	3,160.3		
	Tetrasporales	<i>Gloeocystis ampla</i>					
		<i>Apiocystis brauniana</i>		<341.7	185.9		
		<i>Cylindrocapsa poss.</i>					
		<i>Tetraspora</i>					
		<i>Tetraspora poss.</i> ¹	10,251.6	3,758.7	185.9		
	Ulothricales	<i>Cylindrocapsa poss.</i>	<1,708.6	1,366.8	<185.9		
		<i>Geminella</i>	<1,708.6				
		<i>Microspora</i>			371.8		
		<i>Ulothrix</i>					
	Volvocales	<i>Chlamydomonas</i>		<341.7			
		<i>Eudorina</i>					
	Zygnematales	<i>Arthrodesmus</i>					
		<i>Bambussina</i>					
		<i>Closterium</i>	<1,708.6	341.7	<185.9		
		<i>Cosmarium</i>	341.2	1708.5	929.5		
		<i>Euastrum</i>	<1,708.6	<341.7	<185.9		
		<i>Gonatozygon</i>					
		<i>Hyalotheca</i>	<1,708.6		<185.9		
		<i>Micrasterias</i>					
		<i>Mougeotia</i>	<1,708.6	341.7	371.8		
		<i>Netrium</i>					
		<i>Penium</i>		<341.7			
		<i>Pleurotaenium</i>		<341.7	<185.9		
		<i>Spirogyra</i>	341.2	<341.7	<185.9		
		<i>Spondylosium planum</i>					
		<i>Staurostrum</i>	6,834.4	341.7	557.7		
		<i>Teilingia</i> ⁴	<1,708.6		557.7		
		<i>Xanthidium</i>					
		<i>Zygnema</i>					
		UID					
		SUM:	93,973.0	18,451.8	11,339.9	41,255	26,439 29
Chrysophyta		UID flagellate	<1,708.6	683.4	185.9		
		UID unicellular	<1,708.6	1,366.8	185.9		
	Chromulinales	<i>Hydrurus foetidus possibly</i>					
	Ochromonadales	<i>Dinobryon bavaricum</i>					
		<i>Dinobryon cylindrium</i>					
		<i>Dinobryon divergens</i>					
		<i>Dinobryon sertularia</i>			<185.9		
		<i>Dinobryon</i>		<341.7	185.9		
		<i>Kephyrion/Pseudokephyrion</i>					
		<i>Mallomonas akrokomos</i>					
		<i>Mallomonas</i>			<185.9		
		UID					
	Rhizochrysidales	<i>Diceras phaseolus</i>					
	Tribonematales	<i>Tribonema</i>					

Appendix 7.2-2

Periphyton Taxonomic Results, 1998

			Boston Reference Outflow June 28 - Aug 1, 1998					
			Cell Density (cells/cm ²)					
FES Sample Number			980187	980188	980189			
Area Sampled (cm ²)			13.50	22.50	35.00			
Phylum	Order	Genera and Species	Rep. 1	Rep. 2	Rep. 3	Ave.	Std. Error	%
		SUM:	0.0	2,050.2	557.7	869	612	1
Cyanophyta	Chamaesiphonales Chroococcales	<i>Clastidium setiferum</i>	3,417.2	1,366.8	<185.9			
		<i>Agmenellum tenuissima</i>						
		<i>Agmenellum</i>	<1,708.6	<341.7				
		<i>Anacystis limneticus</i>						
		<i>Anacystis</i>	34,172.0	30,069.6	5,205.2			
		<i>Anacystis</i> ³						
		<i>Gomphosphaeria Naegelianum</i>	59,801.1	54,672.0	46,475.0			
		<i>Gomphosphaeria</i>			8,365.5			
		<i>Rhabdoderma</i>						
		UID						
	Nostocales	<i>Anabaena</i>	11,960.2	5,467.2	1,301.3			
		<i>Aphanizomenon flos-aquae</i>		<341.7				
		<i>Gloeotrichia possibly</i>						
		<i>Nostoc</i>						
		<i>Pseudanabaena catenata poss.</i>						
		<i>Rivularia</i>						
	Oscillatoriales	<i>Lyngbya limnetica</i>						
		<i>Lyngbya</i>	<1,708.6		5,019.3			
		<i>Oscillatoria tenuis</i>						
		<i>Oscillatoria</i>	17,086.0	12,301.2	1,115.4			
		UID sheathed filament						
		SUM:	126,436.5	103,876.8	67,481.7	99,265	17,174	69
Pyrophyta	Cryptomonadales	<i>Chroomonas acuta</i>						
		<i>Cryptomonas</i>	<1,708.6	341.7	<185.9			
	Dinokontae	<i>Peridinium inconspicuum</i>						
		<i>Peridinium / Glenodinium</i>	<1,708.6	341.7	185.9			
		SUM:	0.0	683.4	185.9	290	204	0
Rhodophyta					929.5			
		SUM:	0	0	929.5	310	310	0
			sum of ave:			144,728		
			226,850	126,301	81,034	144,728	43,090	100

UID = unidentified

1 Loose cells possibly of *Tetraspora*

2 possibly *Pseudochaete* considered by some phycologists as a growth form of *Stigeoclonium*

3 *Anacystis* includes *Coccochloris*

4 Formerly this species *Teilingia granulata* was included in the genus *Sphaerosasma*

Appendix 8.1-1
Zooplankton Results, 1998

Appendix 8.1-1 Zooplankton Results, 1998

Lake Site	Aimaoktak Lake Station 4						Aimaoktak Lake Station 6					
Date	18-Jul-98						18-Jul-98					
Sample Number	98137	98138	98139				98134	98135	98136			
Tow Depth (m)	6	6	6				28	28	28			
Units	(# animals/m ³)						(# animals/m ³)					
Replicate	1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	
ROTIFERA												
<i>Kellicottia longispina</i>	6792.45	5283.19	1000.00				1456.32	98.39	857.14			
<i>Keratella cochlearis</i>							9.79					
<i>Conochilus unicornis</i> (colony)	75.47		37.74									
<i>Filinia</i>												
<i>Asplanchna</i>	37.74	75.47	75.47				19.42		9.52			
Unidentified												
SUM:	6906	5359	1113	4459	1732	22	1486	98	867	817	401	
CLADOCERA												
<i>Holopedium gibberum</i>	2000.00	2037.74	1358.49				475.73	441.18	266.67			
<i>Daphnia</i> sp. juv.	415.09	641.51	113.21					39.22	95.24			
<i>Daphnia longiremis</i>	226.42	26.42	41.51				87.38	147.59	57.14			
<i>Bosmina longirostris</i>	113.21	226.42	45.28				29.13	0.98	0.95			
<i>Chydorus sphaericus</i>		3.77										
SUM:	2755	2936	1558	2416	432	12	592	629	420	547	64	
COPEPODA												
Calanoida												
<i>Leptodiaptomus pribilofensis</i> M												
<i>Leptodiaptomus pribilofensis</i> F												
<i>Leptodiaptomus ashlandi</i> M	37.74	37.74	37.74									
<i>Leptodiaptomus ashlandi</i> F			3.77									
<i>Leptodiaptomus</i> spp. cop. V	37.74	75.47	188.68				19.42	19.68	28.57			
<i>Leptodiaptomus</i> spp. IV	415.94	754.72	83.19				77.67	127.46	85.71			
<i>Leptodiaptomus</i> spp. III	528.32	63.77	63.77				38.83	98.39	114.29			
<i>Leptodiaptomus</i> spp. II	83.19	641.59	528.32				9.79	29.41	47.62			
<i>Leptodiaptomus</i> spp. I	37.74	75.47	75.47									
<i>Heterocope septentrionalis</i> cop. IV			18.87									
<i>Heterocope septentrionalis</i> III		3.77	3.77									
<i>Limnocalanus macrurus</i> M							2.39	32.35	33.33			
<i>Limnocalanus macrurus</i> F	3.77						24.27	22.55	27.62			
<i>Limnocalanus macrurus</i> cop. V							97.87	137.25	142.86			
<i>Limnocalanus macrurus</i> IV	3.77		3.77				9.79	9.84				
<i>Limnocalanus macrurus</i> III									9.52			
<i>Epischura lacustris</i> M												
<i>Epischura lacustris</i> F												
<i>Epischura lacustris</i> cop. V												
<i>Epischura lacustris</i> IV	7.55											
<i>Epischura lacustris</i> III												
<i>Epischura lacustris</i> II							0.98					
<i>Epischura lacustris</i> I							0.98					
<i>Epischura lacustris</i> nauplius	339.62	566.38	169.81				9.79	68.63				
Calanoida												
SUM:	1495	2219	1177	1630	308	8	292	546	490	442	77	
COPEPODA												
Cyclopoida												
<i>Cyclops bicuspidatus thomasi</i> M	1169.81	641.51	943.40				38.83	88.24	95.24			
<i>Cyclops bicuspidatus thomasi</i> F	603.77	264.15	264.15				19.42		38.95			
<i>Cyclops scutifer</i> M	1358.49	981.13	1132.08				3689.32	2156.86	2476.19			
<i>Cyclops scutifer</i> F	2226.42	2452.83	2264.15				165.49	1274.60	476.19			
Cyclopoida M												
Cyclopoida cop.	5660.38	6452.83	9056.60				33.98	245.98	495.24			
Cyclopoida nauplius												
SUM:	11019	10792	13660	11824	921	58	3947	3766	3582	3765	105	
MISC MALACOSTRACA												
<i>Gammarus lacustris</i>												
<i>Mysis relicta</i> F							0.98	0.98				
SUM:	0	0	0	0	0	0	1	1	0	1	0	
				Sum of Avg.:		20330					Sum of Avg.:	
											5572	
TOTALS (animals/m ³):												
	22175	21306	17509	20330	1432	100	6318	5040	5358	5572	384	

Appendix 8.1-1 Zooplankton Results, 1998

Lake Site		Stickleback Lake						Trout Lake					
Date		19-Jul-98						19-Jul-98					
Sample Number		98140	98141	98142				98143	98144	98145			
Tow Depth (m)		2	2	2				2.5	2.5	2.5			
Units		(# animals/m ³)						(# animals/m ³)					
Replicate	%	1	2	3	Avg.	Std. Error	%	1	2	3	Avg.		
ROTIFERA													
<i>Kellicottia longispina</i>		17448.76	7831.54	125983.25				9363.73	7215.22	952.82			
<i>Keratella cochlearis</i>		316.26	65.26										
<i>Conochilus unicornis</i> (colony)		632.52	195.78	71.18				234.93	4329.12	4114.92			
<i>Filinia</i>			65.26										
<i>Asplanchna</i>		42.14	52.27	42.76				42136.77	445.12	3953.22			
Unidentified		15.34	13.52										
SUM:	15	18455	8224	126097	50925	37702	74	51735	11989	9021	24249		
CLADOCERA													
<i>Holopedium gibberum</i>								936.37	2381.17	987.59			
<i>Daphnia</i> sp. juv.								58.52		82.30			
<i>Daphnia longiremis</i>													
<i>Bosmina longirostris</i>		221.22	65.26	99.65				4623.34	6854.44	576.89			
<i>Chydorus sphaericus</i>		94.88	39.16	28.48									
SUM:	10	316	104	128	183	67	0	5618	9236	1647	5500		
COPEPODA													
Calanoida													
<i>Leptodiaptomus pribilofensis</i>	M												
<i>Leptodiaptomus pribilofensis</i>	F												
<i>Leptodiaptomus ashlandi</i>	M												
<i>Leptodiaptomus ashlandi</i>	F												
<i>Leptodiaptomus</i> spp.	cop. V												
<i>Leptodiaptomus</i> spp.	IV							17.56	21.65	16.46			
<i>Leptodiaptomus</i> spp.	III									8.23			
<i>Leptodiaptomus</i> spp.	II												
<i>Leptodiaptomus</i> spp.	I												
<i>Heterocope septentrionalis</i>	cop. IV												
<i>Heterocope septentrionalis</i>	III												
<i>Limnocalanus macrurus</i>	M												
<i>Limnocalanus macrurus</i>	F												
<i>Limnocalanus macrurus</i>	cop. V												
<i>Limnocalanus macrurus</i>	IV												
<i>Limnocalanus macrurus</i>	III												
<i>Epischura lacustris</i>	M	1.53		14.24				29.26	173.16	16.46			
<i>Epischura lacustris</i>	F	1.53		14.24					21.65	8.23			
<i>Epischura lacustris</i>	cop. V	42.14	32.51	56.94				122.90	281.39	131.68			
<i>Epischura lacustris</i>	IV	168.55	123.55	156.59				169.72	555.57	74.69			
<i>Epischura lacustris</i>	III	189.62	143.57	242.17				526.80	183.86	246.90			
<i>Epischura lacustris</i>	II	526.80	169.67	213.54				819.33	1731.65	169.88			
<i>Epischura lacustris</i>	I	842.74	117.47	14.24				49.66	865.82	658.39			
<i>Epischura lacustris</i>	nauplius	2317.52	2796.11	1281.19				76.83	721.52	411.49			
Calanoida													
SUM:	8	4090	3383	1993	3155	616	5	1812	4556	1742	2704		
COPEPODA													
Cyclopoida													
<i>Cyclops bicuspidatus thomasi</i>	M	136.94	117.47	142.35						82.30			
<i>Cyclops bicuspidatus thomasi</i>	F		6.53	7.12									
<i>Cyclops scutifer</i>	M												
<i>Cyclops scutifer</i>	F												
Cyclopoida	M							58.52					
Cyclopoida	cop.	15274.58	13265.28	14947.16				1638.65	11.13	74.69			
Cyclopoida	nauplius		195.78	71.18									
SUM:	68	15412	13585	15168	14721	573	21	1697	11	157	622		
MISC MALACOSTRACA													
<i>Gammarus lacustris</i>			6.53										
<i>Mysis relicta</i>	F												
SUM:	0	0	7	0	2	2	0	0	0	0	0		
					Sum of Avg.:	68987						Sum of Avg.:	33074
TOTALS (animals/m ³):													
	100	38273	25302	143386	68987	37387	100	60863	25792	12567	33074		

Appendix 8.1-1

Zooplankton Results, 1998

Lake Site		Boston Reference Lake							
Date		22-Jul-98							
Sample Number		98146		98147		98148			
Tow Depth (m)		2		2		2			
Units		(# animals/m ³)							
Replicate		Std. Error	%	1	2	3	Avg.	Std. Error	%
ROTIFERA									
<i>Kellicottia longispina</i>				3344.00	32.00	352.00			
<i>Keratella cochlearis</i>									
<i>Conochilus unicornis</i> (colony)				16.00	8.00	4.00			
<i>Filinia</i>									
<i>Asplanchna</i>				3376.00	288.00	28.00			
Unidentified				48.00					
SUM:		13770	73	6784	328	384	2499	2143	67
CLADOCERA									
<i>Holopedium gibberum</i>				4.00	48.00	24.00			
<i>Daphnia</i> sp.	juv.			64.00	48.00	12.00			
<i>Daphnia longiremis</i>				8.00		16.00			
<i>Bosmina longirostris</i>				14.00	728.00	568.00			
<i>Chydorus sphaericus</i>				8.00					
SUM:		2192	17	98	824	620	514	216	14
COPEPODA									
Calanoida									
<i>Leptodiaptomus pribilofensis</i>	M					24.00			
<i>Leptodiaptomus pribilofensis</i>	F			8.00	8.00				
<i>Leptodiaptomus ashlandi</i>	M					8.00			
<i>Leptodiaptomus ashlandi</i>	F			8.00	16.00				
<i>Leptodiaptomus</i> spp.	cop. V			16.00		24.00			
<i>Leptodiaptomus</i> spp.	IV								
<i>Leptodiaptomus</i> spp.	III								
<i>Leptodiaptomus</i> spp.	II								
<i>Leptodiaptomus</i> spp.	I								
<i>Heterocope septentrionalis</i>	cop. IV								
<i>Heterocope septentrionalis</i>	III								
<i>Limnocalanus macrurus</i>	M								
<i>Limnocalanus macrurus</i>	F								
<i>Limnocalanus macrurus</i>	cop. V								
<i>Limnocalanus macrurus</i>	IV								
<i>Limnocalanus macrurus</i>	III								
<i>Epischura lacustris</i>	M				8.00	48.00			
<i>Epischura lacustris</i>	F					88.00			
<i>Epischura lacustris</i>	cop. V			16.00	16.00	4.00			
<i>Epischura lacustris</i>	IV			8.00	8.00	4.00			
<i>Epischura lacustris</i>	III			32.00		8.00			
<i>Epischura lacustris</i>	II			8.00	24.00	32.00			
<i>Epischura lacustris</i>	I			32.00	4.00	4.00			
<i>Epischura lacustris</i>	nauplius			176.00	14.00	88.00			
SUM:		927	8	304	98	332	245	74	7
COPEPODA									
Cyclopoida									
<i>Cyclops bicuspidatus thomasi</i>	M			184.00	14.00	64.00			
<i>Cyclops bicuspidatus thomasi</i>	F				8.00				
<i>Cyclops scutifer</i>	M								
<i>Cyclops scutifer</i>	F								
Cyclopoida	M								
Cyclopoida	cop.			74.00	584.00	336.00			
Cyclopoida	nauplius			48.00	112.00	8.00			
SUM:		539	2	306	718	408	477	124	13
MISC MALACOSTRACA									
<i>Gammarus lacustris</i>									
<i>Mysis relicta</i>	F								
SUM:		0	0	0	0	0	0	0	0
Sum of Avg.:							3735		
TOTALS (animals/m ³):									
		14409	100	7492	1968	1744	3735	1880	100

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station	Aimaoktak Lake Stn 1						Aimaoktak Lake Stn 4						
Date	17-Jul-98						18-Jul-98						
Depth (m)	1.2	1.2	1.2				6.5	6.5	6.5				
	Animal Density (animals/m ²)						Animal Density (animals/m ²)						
Sample Number	98149	98150	98151				98152	98153	98154				
Replicate	1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%	
COELENTERATA													
<i>Hydra</i>													
SUM:	0	0	0	0	0	0	0	0	0	0	0	0	
NEMATODA													
SUM:	1644	1778	4	1142	570	11	89	89	89	89	0	5	
ANNELIDA													
<i>Oligochaeta</i>	juvenile	133	44	89									
<i>Enchytraeidae</i>		311	533	356									
<i>Naididae</i>													
<i>Nais</i>		44	44	44									
<i>Lumbriculidae</i>	juvenile	44	267	267									
<i>Tubificidae</i>	juvenile	2578	2711	522									
SUM:		3111	3600	1278	2663	707	25	0	0	0	0	0	
TURBELLARIA													
SUM:		44	44	30	15	0	0	0	0	0	0	0	
CLADOCERA													
<i>Chydoridae</i>	juvenile												
<i>Alonella</i>													
<i>Chydorus sphaericus</i>		44	44										
SUM:		44	44	0	30	15	0	0	0	0	0	0	
COPEPODA													
<i>Calanoida</i>	cop												
<i>Leptodiaptomus priblofensis</i>								44					
SUM:		0	0	0	0	0	0	44	0	15	15	1	
COPEPODA													
<i>Cyclopoida</i>													
<i>Cyclops</i> sp.		44											
<i>Macrocyclus albidus</i>		44											
<i>Eucyclops agilis</i>		89	0	0	30	30	0	89	44	44	59	15	4
SUM:													
COPEPODA													
<i>Harpacticoida</i>		1867	8	133									
SUM:		1867	8	133	669	600	6	0	0	0	0	0	
OSTRACODA													
Unidentified	J												
<i>Candona</i>		267	222	444									
<i>Cypria</i>		44											
<i>Cypris</i>													
SUM:		311	222	444	326	65	3	0	0	0	0	0	
MISCELLANEOUS MALACOSTRACA													
<i>Saduria entomon</i>													
<i>Gammarus lacustris</i>													
<i>Mysis relicta</i>		44											
SUM:		44	0	0	15	15	0	0	0	0	0	0	
ARACHNIDA													
<i>Hydracarina</i>							133	44					
<i>Forelli</i>													
SUM:		0	0	0	0	0	0	133	44	0	59	39	4
EPHEMEROPTERA													
<i>Baetidae</i>	N*												
<i>Baetis tricaudatus</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	
PLECOPTERA													
<i>Nemouridae</i>													
<i>Nemoura</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	
TRICHOPTERA													
<i>Brachycentridae</i>	L*												
<i>Brachycentrus americana</i>	L												
<i>Micrasema</i>	L												
<i>Limnephilidae</i>	L*												
<i>Grensia praeterita</i>	L							44					
SUM:		0	0	0	0	0	0	44	0	15	15	1	
COLEOPTERA													
<i>Dytiscidae</i>	L*												
<i>Brachyvatus</i>	A												
<i>Halplidae</i>													

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station	Aimaoktak Lake Stn 1							Aimaoktak Lake Stn 4					
Date	17-Jul-98							18-Jul-98					
Depth (m)	1.2	1.2	1.2					6.5	6.5	6.5			
	Animal Density (animals/m ²)							Animal Density (animals/m ²)					
Sample Number	98149	98150	98151					98152	98153	98154			
Replicate	1	2	3	Avg.	Std. Error	%		1	2	3	Avg.	Std. Error	%
<i>Haliphys</i>	L												
SUM:	0	0	0	0	0	0		0	0	0	0	0	0
DIPTERA													
<i>Empididae</i>													
<i>Chelifera</i>	L	356	533	4									
<i>Tipulidae</i>													
<i>Tipula</i>	L												
<i>Culicidae</i>													
<i>Anopheles</i>	A												
<i>Simuliidae</i>	L*												
<i>Simulium</i>	L												
<i>Simulium</i>	A												
<i>Chironomidae</i>	L*	889	667	167									
<i>Chironomidae</i>	P												
<i>Tanypodinae</i>	L*												
<i>Paramerina</i>	L												
<i>Procladius</i>	L	133		89				44	89	267			
<i>Thiennemannimyia</i>	L												
<i>Thiennemannimyia</i>	P												
<i>Tanytarsini</i>	L*	2889	1378	289					44	44			
<i>Tanytarsini</i>	P			44									
<i>Mincropsectra</i>	L		44	267									
<i>Paratanytarsus</i>	L	178	489	844									
<i>Rheotanytarsus</i>	L	167	4	889									
<i>Rheotanytarsus</i>	P	89		311									
<i>Stempellinella</i>	L	89	356	222									
<i>Stempellinella</i>	P		133	311									
<i>Tanytarsus</i>	L	133	133	133					89	89			
<i>Tanytarsus</i>	P	44											
<i>Chironomini</i>	L*	1156	267	44									
<i>Chironomus</i>	L												
<i>Demicryptochironomus</i>	L		222	178									
<i>Glyptotendipes</i>	L												
<i>Lipiniella</i>	L	178	222	44									
<i>Lipiniella</i>	P												
<i>Phaenopsectra</i>	L	711	756	578				44					
<i>Phaenopsectra</i>	P												
<i>Orthoclaudiinae</i>	L*			222									
<i>Orthoclaudiinae</i>	P		89	44									
<i>Corynoneura</i>	L												
<i>Corynoneura</i>	P												
<i>Eukiefferiella</i>	L	44											
<i>Gymnometriocnemus</i>	L												
<i>Heterotrissocladius</i>	L							267	356	89			
<i>Psectrocladius</i>	L		133										
<i>Psectrocladius</i>	P												
<i>Rheocricotopus</i>	L												
<i>Rheocricotopus</i>	P												
<i>Thienemanniella</i>	L												
<i>Zalutschia</i>	L												
<i>Diamesinae</i>													
<i>Monodiamesa</i>	L												
<i>Potthastia</i>	L												
<i>Protanypus</i>	L								44				
<i>Protanypus</i>	P									44			
<i>Pseudokiefferiella</i>	L												
<i>Pseudokiefferiella</i>	P												
SUM:		7056	5426	4682	5721	701	54	356	622	533	504	78	30
MOLLUSCA													
<i>Sphaeriidae</i>													
<i>Sphaerium</i>								8	1244	1244			
<i>Physidae</i>													
<i>Physa</i>													
<i>Valvatidae</i>	J												
<i>Valvata sincera sincera</i>								44	267				
SUM:		0	0	0	0	0	0	52	1511	1244	936	448	56
		Sum of Ave.:			10625				Sum of Ave.:			1677	
TOTAL (animals/m ²):		14211	11079	6586	10625	2717	100	719	2400	1911	1677	610	100

Lake Benthos Taxonomy Results, 1998

Station		Aimaoktak Lake Stn 5						Aimaoktak Lake Stn 6					
Date		17-Jul-98						18-Jul-98					
Depth (m)		3.0	3.0	3.0				29.0	29.0	29.0			
		Animal Density (animals/m ²)						Animal Density (animals/m ²)					
Sample Number		98155	98156	98157				98158	98159	98160			
Replicate		1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%
COELENTERATA													
<i>Hydra</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
NEMATODA													
SUM:		2	5156	3289	2815	1506	28	0	44	44	30	15	29
ANNELIDA													
<i>Oligochaeta</i>	juvenile												
<i>Enchytraeidae</i>		44	622	44									
<i>Naididae</i>													
<i>Nais</i>													
<i>Lumbriculidae</i>	juvenile												
<i>Tubificidae</i>	juvenile												
SUM:		44	622	44	237	193	2	0	0	0	0	0	0
TURBELLARIA													
SUM:		0	89	0	30	30	0	0	0	0	0	0	0
CLADOCERA													
<i>Chydoridae</i>	juvenile												
<i>Alonella</i>													
<i>Chydorus sphaericus</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COPEPODA													
<i>Calanoida</i>	cop												
<i>Leptodiaptomus priblofensis</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COPEPODA													
<i>Cyclopoida</i>													
<i>Cyclops</i> sp.													
<i>Macrocyclops albidus</i>													
<i>Eucyclops agilis</i>		89		44									
SUM:		89	0	44	44	26	0	0	0	0	0	0	0
COPEPODA													
<i>Harpacticoida</i>			89										
SUM:		0	89	0	30	30	0	0	0	0	0	0	0
OSTRACODA													
Unidentified	J												
<i>Candona</i>		133	444	89									
<i>Cypria</i>													
<i>Cypris</i> .													
SUM:		133	444	89	222	112	2	0	0	0	0	0	0
MISCELLANEOUS MALACOSTRACA													
<i>Saduria entomon</i>		89											
<i>Gammarus lacustris</i>													
<i>Mysis relicta</i>			89	44									
SUM:		89	89	44	74	15	1	0	0	0	0	0	0
ARACHNIDA													
<i>Hydracarina</i>		44	89										
<i>Forelli</i>													
SUM:		44	89	0	44	26	0	0	0	0	0	0	0
EPHEMEROPTERA													
<i>Baetidae</i>	N*												
<i>Baetis tricaudatus</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
PLECOPTERA													
<i>Nemouridae</i>													
<i>Nemoura</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
TRICHOPTERA													
<i>Brachycentridae</i>	L*												
<i>Brachycentrus americana</i>	L												
<i>Micrasema</i>	L												
<i>Limnephilidae</i>	L*												
<i>Grensia praeterita</i>	L												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COLEOPTERA													
<i>Dytiscidae</i>	L*												
<i>Brachyvatus</i>	A												
<i>Halplidae</i>													

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station	Aimaoktak Lake Stn 5							Aimaoktak Lake Stn 6						
Date	17-Jul-98							18-Jul-98						
Depth (m)	3.0	3.0	3.0					29.0	29.0	29.0				
	Animal Density (animals/m ²)							Animal Density (animals/m ²)						
Sample Number	98155	98156	98157					98158	98159	98160				
Replicate	1	2	3	Avg.	Std. Error	%		1	2	3	Avg.	Std. Error	%	
<i>Haliplus</i>	L													
SUM:	0	0	0	0	0	0		0	0	0	0	0	0	
DIPTERA														
Empididae														
Chelifera	L													
Tipulidae														
Tipula	L													
Culicidae														
Anopheles	A													
Simuliidae	L*													
Simulium	L													
Simulium	A													
Chironomidae	L*	133		311										
Chironomidae	P													
Tanypodinae	L*													
Paramerina	L													
Procladius	L			89					89	44				
Thiennemannimyia	L													
Thiennemannimyia	P													
Tanytarsini	L*	122	2578	667										
Tanytarsini	P													
Mincropsectra	L													
Paratanytarsus	L	267	622	44										
Rheotanytarsus	L													
Rheotanytarsus	P													
Stempellinella	L	133	178											
Stempellinella	P	89	89											
Tanytarsus	L	444	2311	578										
Tanytarsus	P													
Chironomini	L*													
Chironomus	L			44				44						
Demicryptochironomus	L													
Glyptotendipes	L													
Lipiniella	L													
Lipiniella	P													
Phaenopsectra	L													
Phaenopsectra	P													
Orthoclaadiinae	L*	44	89	89										
Orthoclaadiinae	P													
Corynoneura	L													
Corynoneura	P													
Eukiefferiella	L													
Gymnometriocnemus	L													
Heterotrissocladius	L		267											
Psectrocladius	L			356										
Psectrocladius	P													
Rheocricotopus	L													
Rheocricotopus	P													
Thienemanniella	L													
Zalutschia	L	89	444	4				44						
Diamesinae														
Monodiamesa	L		89	44										
Potthastia	L													
Protanypus	L													
Protanypus	P													
Pseudokiefferiella	L													
Pseudokiefferiella	P													
SUM:	1322	6667	2226	3405	1652	34		89	89	44	74	15	71	
MOLLUSCA														
Sphaeriidae														
Sphaerium		5956	489	2978										
Physidae														
Physa														
Valvatidae	J													
Valvata sincera sincera														
SUM:	5956	489	2978	3141	1580	31		0	0	0	0	0	0	
	Sum of Ave.:			10043				Sum of Ave.:			104			
TOTAL (animals/m ²):	7680	13733	8715	10043	5168	100		89	133	89	104	30	100	

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station		Stickleback Lake						Trout Lake					
Date		19-Jul-98						19-Jul-98					
Depth (m)		2.6	2.6	2.6				2.9	2.9	2.9			
		Animal Density (animals/m ²)						Animal Density (animals/m ²)					
Sample Number		98161	98162	98163				98164	98165	98166			
Replicate		1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%
COELENTERATA													
<i>Hydra</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
NEMATODA		4356	133	489					89				
SUM:		4356	133	489	1659	1352	9	0	89	0	30	30	1
ANNELIDA													
Oligochaeta	juvenile	356	178	133									
Enchytraeidae													
Naididae													
<i>Nais</i>		6578	2444	2756									
Lumbriculidae	juvenile							44					
Tubificidae	juvenile		44	44					44				
SUM:		6933	2667	2933	4178	1380	23	44	44	0	30	15	1
TURBELLARIA													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
CLADOCERA													
Chydoridae	juvenile												
<i>Alonella</i>													
<i>Chydorus sphaericus</i>				44									
SUM:		0	0	44	15	15	0	0	0	0	0	0	0
COPEPODA													
Calanoida	cop												
<i>Leptodiaptomus priblofensis</i>		89											
SUM:		89	0	0	30	30	0	0	0	0	0	0	0
COPEPODA													
Cyclopoida													
<i>Cyclops</i> sp.		89											
<i>Macrocyclus albidus</i>				89									
<i>Eucyclops agilis</i>			89	89									
SUM:		89	89	178	119	30	1	0	0	0	0	0	0
COPEPODA													
Harpacticoida		8	578	933									
SUM:		8	578	933	506	269	3	0	0	0	0	0	0
OSTRACODA													
Unidentified	J	178		89									
<i>Candona</i>		178		133				89		89			
<i>Cypria</i>		244	978	756				178					
<i>Cypris</i>		444	2444	4489				44	178	89			
SUM:		1044	3422	5467	3311	1278	18	311	178	178	222	44	7
MISCELLANEOUS MALACOSTRACA													
<i>Saduria entomon</i>													
<i>Gammarus lacustris</i>				222									
<i>Mysis relicta</i>													
SUM:		0	0	222	74	74	0	0	0	0	0	0	0
ARACHNIDA													
Hydracarina		444	178	311					44	133			
<i>Forelli</i>								178		44			
SUM:		444	178	311	311	77	2	178	44	178	133	44	4
EPHEMEROPTERA													
Baetidae	N*												
<i>Baetis tricaudatus</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
PLECOPTERA													
Nemouridae													
<i>Nemoura</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
TRICHOPTERA													
Brachycentridae	L*												
<i>Brachycentrus americana</i>	L												
<i>Micrasema</i>	L												
Limnephilidae	L*												
<i>Grensia praeterita</i>	L												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COLEOPTERA													
Dytiscidae	L*												
<i>Brachyvatius</i>	A												
Halplidae													

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station Date Depth (m)	Stickleback Lake							Trout Lake						
	19-Jul-98							19-Jul-98						
	Animal Density (animals/m ²)							Animal Density (animals/m ²)						
Sample Number	98161	98162	98163					98164	98165	98166				
Replicate	1	2	3	Avg.	Std. Error	%		1	2	3	Avg.	Std. Error	%	
<i>Haliphus</i>	L	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM:														
DIPTERA														
<i>Empididae</i>														
<i>Chelifera</i>	L													
<i>Tipulidae</i>														
<i>Tipula</i>	L													
<i>Culicidae</i>														
<i>Anopheles</i>	A													
<i>Simuliidae</i>	L*													
<i>Simulium</i>	L													
<i>Simulium</i>	A													
<i>Chironomidae</i>	L*	1689	89	4				89	44	44				
<i>Chironomidae</i>	P							44						
<i>Tanypodinae</i>	L*													
<i>Paramerina</i>	L													
<i>Procladius</i>	L		89					222	267	89				
<i>Thienemannimyia</i>	L													
<i>Thienemannimyia</i>	P													
<i>Tanytarsini</i>	L*	1244	133	178				356	222					
<i>Tanytarsini</i>	P													
<i>Mincropsectra</i>	L							133	44	44				
<i>Paratanytarsus</i>	L	622	178	267				89	44					
<i>Rheotanytarsus</i>	L	1778	978	3289				44	44	44				
<i>Rheotanytarsus</i>	P													
<i>Stempellinella</i>	L								44					
<i>Stempellinella</i>	P							44		44				
<i>Tanytarsus</i>	L	178	356	578				667	489	444				
<i>Tanytarsus</i>	P			44										
<i>Chironomini</i>	L*	444	756	1511				178	222					
<i>Chironomus</i>	L		622	756				311						
<i>Demicryptochironomus</i>	L													
<i>Glyptotendipes</i>	L	178	489	133				178	89					
<i>Lipiniella</i>	L													
<i>Lipiniella</i>	P													
<i>Phaenopsectra</i>	L	133												
<i>Phaenopsectra</i>	P								89					
<i>Orthoclaadiinae</i>	L*	1111	133	178										
<i>Orthoclaadiinae</i>	P							44						
<i>Corynoneura</i>	L	89	89											
<i>Corynoneura</i>	P	89												
<i>Eukiefferiella</i>	L													
<i>Gymnometriocnemus</i>	L													
<i>Heterotrissocladius</i>	L													
<i>Psectrocladius</i>	L	444	444	4										
<i>Psectrocladius</i>	P													
<i>Rheocricotopus</i>	L			89										
<i>Rheocricotopus</i>	P													
<i>Thienemanniella</i>	L													
<i>Zalutschia</i>	L		44					2267	244	167				
<i>Diamesinae</i>														
<i>Monodiamesa</i>	L													
<i>Potthastia</i>	L							44						
<i>Protanypus</i>	L													
<i>Protanypus</i>	P													
<i>Pseudokiefferiella</i>	L													
<i>Pseudokiefferiella</i>	P													
SUM:		8000	4311	7119	6477	1112	36	4711	1844	878	2478	1151	81	
MOLLUSCA														
<i>Sphaeriidae</i>														
<i>Sphaerium</i>		444	311	311				133	311	89				
<i>Physidae</i>														
<i>Physa</i>														
<i>Valvatidae</i>	J	1244												
<i>Valvata sincera sincera</i>		489	356	1111										
SUM:		2178	667	1422	1422	436	8	133	311	89	178	68	6	
				Sum of Ave.:	18102				Sum of Ave.:		3070			
TOTAL (animals/m ²):		23141	12044	19119	18102	6053	100	5378	2511	1322	3070	1352	100	

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station	Boston Reference Lake					
Date	22-Jul-98					
Depth (m)	2.5	2.5	2.5			
	Animal Density (animals/m ²)					
Sample Number	98167	98168	98169			
Replicate	1	2	3	Avg.	Std. Error	%
COELENTERATA						
<i>Hydra</i>						
SUM:	0	0	0	0	0	0
NEMATODA						
SUM:	267	89	0	119	78	2
ANNELIDA						
Oligochaeta	juvenile					
Enchytraeidae						
Naididae						
<i>Nais</i>						
Lumbriculidae	juvenile					
Tubificidae	juvenile					
SUM:	133	0	44	59	39	1
TURBELLARIA						
SUM:	0	0	0	0	0	0
CLADOCERA						
Chydoridae	juvenile					
<i>Alonella</i>						
<i>Chydorus sphaericus</i>						
SUM:	0	0	0	0	0	0
COPEPODA						
Calanoida	cop					
<i>Leptodiaptomus piblofensis</i>						
SUM:	0	0	0	0	0	0
COPEPODA						
Cyclopoida						
<i>Cyclops</i> sp.						
<i>Macrocyclus albidus</i>						
<i>Eucyclops agilis</i>						
SUM:	0	0	0	0	0	0
COPEPODA						
Harpacticoida						
SUM:	0	0	0	0	0	0
OSTRACODA						
Unidentified	J					
<i>Candona</i>		133				
<i>Cypria</i>						
<i>Cypris</i>						
SUM:	0	133	0	44	44	1
MISCELLANEOUS MALACOSTRACA						
<i>Saduria entomon</i>						
<i>Gammarus lacustris</i>						
<i>Mysis relicta</i>						
SUM:	0	0	0	0	0	0
ARACHNIDA						
Hydracarina						
<i>Forelli</i>	133					
SUM:	133	0	0	44	44	1
EPHEMEROPTERA						
Baetidae	N*					
<i>Baetis tricaudatus</i>	N					
SUM:	0	0	0	0	0	0
PLECOPTERA						
Nemouridae						
<i>Nemoura</i>	N					
SUM:	0	0	0	0	0	0
TRICHOPTERA						
Brachycentridae	L*					
<i>Brachycentrus americana</i>	L					
<i>Micrasema</i>	L					
Limnephilidae	L*					
<i>Grensia praeterita</i>	L					
SUM:	0	0	0	0	0	0
COLEOPTERA						
Dytiscidae	L*					
<i>Brachyvatus</i>	A					
Halplidae						

Appendix 8.2-1
Lake Benthos Taxonomy Results, 1998

Station		Boston Reference Lake					
Date		22-Jul-98					
Depth (m)		2.5	2.5	2.5			
		Animal Density (animals/m ²)					
Sample Number		98167	98168	98169			
Replicate		1	2	3	Avg.	Std. Error	%
<i>Halipitus</i>	L						
SUM:		0	0	0	0	0	0
DIPTERA							
<i>Empididae</i>							
<i>Chelifera</i>	L						
<i>Tipulidae</i>							
<i>Tipula</i>	L						
<i>Culicidae</i>							
<i>Anopheles</i>	A						
<i>Simuliidae</i>	L*						
<i>Simulium</i>	L						
<i>Simulium</i>	A						
<i>Chironomidae</i>	L*						
Chironomidae	P						
Tanypodinae	L*						
<i>Paramerina</i>	L						
<i>Procladius</i>	L	444	356	356			
<i>Thiennemannimyia</i>	L						
<i>Thiennemannimyia</i>	P						
Tanytarsini	L*	178	133	44			
Tanytarsini	P		44				
<i>Mincropsectra</i>	L			44			
<i>Paratanytarsus</i>	L	267	267	133			
<i>Rheotanytarsus</i>	L						
<i>Rheotanytarsus</i>	P						
<i>Stempellinella</i>	L						
<i>Stempellinella</i>	P	44		44			
<i>Tanytarsus</i>	L		311	533			
<i>Tanytarsus</i>	P	89					
Chironomini	L*	622	44	178			
<i>Chironomus</i>	L						
<i>Demicryptochironomus</i>	L						
<i>Glyptotendipes</i>	L	933	844	311			
<i>Lipiniella</i>	L						
<i>Lipiniella</i>	P	44		44			
<i>Phaenopsectra</i>	L						
<i>Phaenopsectra</i>	P						
Orthoclaadiinae	L*		44				
Orthoclaadiinae	P						
<i>Corynoneura</i>	L						
<i>Corynoneura</i>	P						
<i>Eukiefferiella</i>	L						
<i>Gymnometriocnemus</i>	L						
<i>Heterotrissocladius</i>	L						
<i>Psectrocladius</i>	L	622	1156	622			
<i>Psectrocladius</i>	P						
<i>Rheocricotopus</i>	L						
<i>Rheocricotopus</i>	P						
<i>Thienemanniella</i>	L						
<i>Zalutschia</i>	L						
Diamesinae							
<i>Monodiamesa</i>	L						
<i>Potthastia</i>	L						
<i>Protanypus</i>	L						
<i>Protanypus</i>	P						
<i>Pseudokiefferiella</i>	L						
<i>Pseudokiefferiella</i>	P						
SUM:		3244	3200	2311	2919	304	48
MOLLUSCA							
Sphaeriidae							
<i>Sphaerium</i>		1733	2622	3778			
Physidae							
<i>Physa</i>							
Valvatidae	J						
<i>Valvata sincera sincera</i>		4	711	4			
SUM:		1737	3333	3782	2951	620	48
			Sum of Ave.:		6136		
TOTAL (animals/m ²):		5515	6756	6137	6136	1131	100

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

[illegible]

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

[illegible]

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location		Spyder NE Inflow					Spyder River				
Date		27-Jun-98 to 28-Jun-98					27-Jun-98 to 28-Jun-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98053	98054				98051	98052			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Tanypodinae	L*										
<i>Nilotanypus</i>	L										
<i>Paramerina</i>	L	177	971								
<i>Procladius</i>	L	213	971								
<i>Procladius</i>	P	165	729								
<i>Thiennemannimyia</i>	L	142	534					357			
<i>Thiennemannimyia</i>	P										
<i>Tanytarsini</i>	L*	355					628				
<i>Paratanytarsus</i>	L		486								
<i>Rheotanytarsus</i>	L	248	971				314	714			
<i>Rheotanytarsus</i>	P						628				
<i>Stempellinella</i>	L	284	291				188	250			
<i>Stempellinella</i>	P										
<i>Tanytarsus</i>	L										
<i>Tanytarsus</i>	P										
Chironomini	L*							178			
Chironomini	P		486				126				
<i>Demicryptochironomus</i>	L							357			
<i>Dicrotendipes</i>	L	115	600					714			
<i>Glyptotendipes</i>	L										
<i>Phaenopsectra</i>	L	248	486				628				
<i>Phaenopsectra</i>	P										
Orthoclaadiinae	L*	800	243				628	178			
Orthoclaadiinae	P	142	729				565	0			
Orthoclaadiinae	A	213	219								
<i>Corynoneura</i>	L							178			
<i>Corynoneura</i>	P										
<i>Cricotopus</i>	L							714			
<i>Cricotopus</i>	P										
<i>Eukiefferiella</i>	L										
<i>Gymnometriocnemus</i>	L										
<i>Metriocnemus</i>	P	165	121								
<i>Orthoclaadius</i>	L										
<i>Orthoclaadius</i>	P	142	486				252				
<i>Psectrocladius</i>	L		243								
<i>Psectrocladius</i>	P	284	146								
<i>Synorthoclaadius</i>	L										
<i>Thienemanniella</i>	L										
<i>Zavrelia</i>	L										
Diamesinae											
<i>Monodiamesa</i>	L	800									
<i>Pothastia</i>	L		486								
<i>Pseudokiefferiella</i>	L	461	219				252	177			
<i>Pseudokiefferiella</i>	P	177	486								
SUM:		6552	12013	9283	2730	52	5130	5637	5384	253	38
MOLLUSCA											
Sphaeriidae											
<i>Sphaerium</i>											
Physidae											
<i>Physa</i>		800	194					143			
Valvatidae	J	165	243								
<i>Valvata sincera sincera</i>		355	364				126				
SUM:		1320	801	1061	259	6	126	143	134	9	1
TELEOSTEI											
Unidentified	egg	165									
<i>Pungitius pungitius</i>											
SUM:		165	0	82	82	0	0	0	0	0	0
			Sum of Avg.:	17826				Sum of Avg.:	14061		
TOTALS (animals/1000 m ³):		16696	18955	17826	1129	100	16962	11159	14061	2902	100

Sminthurus

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location		Stickleback Outflow					Trout Outflow				
Date		26-Jun-98 to 27-Jun-98					26-Jun-98 to 27-Jun-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98057	98058				98055	98056			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Entomobryidae			835								
SUM:		335	835	585	250	6	0	432	216	216	2
EPHEMEROPTERA											
Baetidae	N*										
<i>Baetis tricaudatus</i>	N										
Ephemerellidae	N*										
<i>Ephemerella inermis</i>	N										
SUM:		0	0	0	0	0	0	0	0	0	0
PLECOPTERA											
Nemouridae											
<i>Nemoura</i>	N										
SUM:		0	0	0	0	0	0	0	0	0	0
MISC INSECTA											
Unidentified Hemiptera	A										
Coccoidea	N										
SUM:		0	0	0	0	0	0	0	0	0	0
TRICHOPTERA											
Unidentified	L*	335	254					432			
Brachycentridae	L*										
<i>Brachycentrus americana</i>	L										
<i>Micrasema</i>	L						397				
Lepidostomatidae											
<i>Lepidostoma</i>	L										
Limnephilidae	L*	335									
<i>Grensia praeterita</i>	L		835								
SUM:		670	1089	880	209	9	397	432	414	17	3
COLEOPTERA											
Dytiscidae	L*										
<i>Agabus</i>	L	335					120	216			
<i>Brachyvatus</i>	L										
<i>Brachyvatus</i>	A										
<i>Hydroporus</i>	L										
Halplidae											
<i>Haliplus</i>	L						198				
Hydrophiloidea											
<i>Helophorus</i>	L							864			
<i>Haliplus</i>	A							259			
Carabidae	A										
Staphylinidae	A										
Unidentified (terrestrial)	A										
SUM:		335	0	168	168	2	318	1339	829	510	7
HYMENOPTERA											
Braconidae	A										
Scelionidae	A										
SUM:		0	0	0	0	0	0	0	0	0	0
DIPTERA											
Unidentified (terrestrial)	P										
Unidentified (terrestrial)	A						794				
<i>Ceratopogonidae</i>											
<i>Bezzia</i>	L										
<i>Ephydriidae</i>	A										
<i>Empididae</i>											
<i>Clinocera</i>	L						397				
<i>Tipulidae</i>											
<i>Tipula</i>	L		835								
<i>Culicidae</i>											
<i>Anopheles</i>	A										
<i>Simulidae</i>	L*	135	417				357	134			
<i>Simulidae</i>	P										
<i>Simulium</i>	L						581	0			
<i>Simulium</i>	A										
<i>Chironomidae</i>	L*	675	417				397	734			
<i>Chironomidae</i>	P						794	864			

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

Location		Stickleback Outflow					Trout Outflow				
Date		26-Jun-98 to 27-Jun-98					26-Jun-98 to 27-Jun-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98057	98058				98055	98056			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Tanypodinae	L*										
<i>Nilotanypus</i>	L	369									
<i>Paramerina</i>	L										
<i>Procladius</i>	L		835								
<i>Procladius</i>	P										
<i>Thiennemannimyia</i>	L	168	334				794				
<i>Thiennemannimyia</i>	P										
Tanytarsini	L*	335	334					346			
<i>Paratanytarsus</i>	L							864			
<i>Rheotanytarsus</i>	L		835				397	864			
<i>Rheotanytarsus</i>	P										
<i>Stempellinella</i>	L	740	835				437	143			
<i>Stempellinella</i>	P										
<i>Tanytarsus</i>	L						397				
<i>Tanytarsus</i>	P										
Chironomini	L*										
Chironomini	P										
<i>Demicroptochironomus</i>	L						397				
<i>Dicortendipes</i>	L										
<i>Glyptotendipes</i>	L										
<i>Phaenopsectra</i>	L										
<i>Phaenopsectra</i>	P		835								
Orthoclaadiinae	L*	335	835				198				
Orthoclaadiinae	P						397				
Orthoclaadiinae	A						397				
<i>Corynoneura</i>	L							432			
<i>Corynoneura</i>	P										
<i>Cricotopus</i>	L										
<i>Cricotopus</i>	P										
<i>Eukiefferiella</i>	L										
<i>Gymnometriocnemus</i>	L										
<i>Metriocnemus</i>	P										
<i>Orthoclaadius</i>	L		835					432			
<i>Orthoclaadius</i>	P							259			
<i>Psectrocladius</i>	L	335					298	827			
<i>Psectrocladius</i>	P						476	259			
<i>Synorthoclaadius</i>	L										
<i>Thienemanniella</i>	L										
<i>Zavrelia</i>	L										
Diamesinae											
<i>Monodiamesa</i>	L										
<i>Poithastia</i>	L										
<i>Pseudokiefferiella</i>	L										
<i>Pseudokiefferiella</i>	P										
SUM:		3092	7346	5219	2127	51	7509	6158	6833	675	55
MOLLUSCA											
Sphaeriidae											
<i>Sphaerium</i>											
Physidae											
<i>Physa</i>											
Valvatidae	J										
<i>Valvata sincera sincera</i>											
SUM:		0	0	0	0	0	0	0	0	0	0
TELEOSTEI											
Unidentified	egg		254								
<i>Pungitius pungitius</i>		675	167				397				
SUM:		675	421	548	127	5	397	0	198	198	2
		Sum of Avg.:		10281			Sum of Avg.:		12513		
TOTALS (animals/1000 m ³):		7212	13350	10281	3069	100	11654	13372	12513	859	100

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

[illegible]

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location Date Units Sample No. Replicate	Ioston Reference Outflow 27-Jun-98 to 28-Jun-98 (animals/1000 m ³)						Spyder NE Inflow 31-Jul-98 to 1-Aug-98 (animals/1000 m ³)				
	98049	98050	Avg.	Std. Error	%		98334	98335	Avg.	Std. Error	%
	1	2					1	2			
Entomobryidae											
SUM:	0	0	0	0	0		0	0	0	0	0
EPHEMEROPTERA											
Baetidae	N*						396	249			
<i>Baetis tricaudatus</i>	N										
Ephemerellidae	N*										
<i>Ephemerella inermis</i>	N										
SUM:	0	0	0	0	0		396	249	323	74	2
PLECOPTERA											
Nemouridae											
<i>Nemoura</i>	N						0	0	0	0	0
SUM:	0	0	0	0	0		0	0	0	0	0
MISC INSECTA							264				
Unidentified Hemiptera	A										
Coccoidea	N						264	0	132	132	1
SUM:	0	0	0	0	0		264	0	132	132	1
TRICHOPTERA											
Unidentified	L*						528				
Brachycentridae	L*							123			
<i>Brachycentrus americana</i>	L	162					528	249			
<i>Micrasema</i>	L										
Lepidostomatidae											
<i>Lepidostoma</i>	L										
Limnephilidae	L*										
<i>Grensia praeterita</i>	L										
SUM:	162	0	81	81	1		1057	372	714	342	5
COLEOPTERA											
Dytiscidae	L*										
<i>Agabus</i>	L										
<i>Brachyvatus</i>	L										
<i>Brachyvatus</i>	A						264	820			
<i>Hydroporus</i>	L										
Halplidae											
<i>Haliplus</i>	L	129	178				264				
Hydrophilidae											
<i>Helophorus</i>	L										
<i>Haliplus</i>	A		119								
Carabidae	A										
Staphylinidae	A										
Unidentified (terrestrial)	A										
SUM:	129	297	213	84	2		528	820	674	146	5
HYMENOPTERA											
Braconidae	A										
Scelionidae	A										
SUM:	0	0	0	0	0		0	0	0	0	0
DIPTERA											
Unidentified (terrestrial)	P										
Unidentified (terrestrial)	A						264	498			
<i>Ceratopogonidae</i>											
<i>Bezzia</i>	L	323	476								
<i>Ephydriidae</i>	A										
<i>Empididae</i>											
<i>Clinocera</i>	L										
<i>Tipulidae</i>											
<i>Tipula</i>	L		119								
<i>Culicidae</i>											
<i>Anopheles</i>	A		119								
<i>Simulidae</i>	L*	646	476								
<i>Simulidae</i>	P						781	498			
<i>Simulium</i>	L	0	1				151	820			
<i>Simulium</i>	A										
<i>Chironomidae</i>	L*	323	238				781	249			
<i>Chironomidae</i>	P							246			

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location		Boston Reference Outflow					Spyder NE Inflow				
Date		27-Jun-98 to 28-Jun-98					31-Jul-98 to 1-Aug-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98049	98050				98334	98335			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Tanypodinae	L*										
<i>Nilotanytus</i>	L							498			
<i>Paramerina</i>	L										
<i>Procladius</i>	L										
<i>Procladius</i>	P	582	512				264				
<i>Thiennemannimyia</i>	L							820			
<i>Thiennemannimyia</i>	P	162	119								
<i>Tanytarsini</i>	L*						417	287			
<i>Paratanytarsus</i>	L										
<i>Rheotanytarsus</i>	L		238				156	492			
<i>Rheotanytarsus</i>	P	646	357				264	249			
<i>Stempellinella</i>	L	323	357								
<i>Stempellinella</i>	P	485									
<i>Tanytarsus</i>	L										
<i>Tanytarsus</i>	P	162	119								
Chironomini	L*										
Chironomini	P	485									
<i>Demicryptochironomus</i>	L										
<i>Dicrotendipes</i>	L										
<i>Glyptotendipes</i>	L							498			
<i>Phaenopsectra</i>	L										
<i>Phaenopsectra</i>	P										
Orthoclaadiinae	L*	258	0				781	498			
Orthoclaadiinae	P	646	143								
Orthoclaadiinae	A										
<i>Corynoneura</i>	L		119				142	498			
<i>Corynoneura</i>	P						234	249			
<i>Cricotopus</i>	L						731	221			
<i>Cricotopus</i>	P										
<i>Eukiefferiella</i>	L						234	498			
<i>Gymnometriocnemus</i>	L										
<i>Metriocnemus</i>	P							498			
<i>Orthoclaadius</i>	L										
<i>Orthoclaadius</i>	P	323									
<i>Psectrocladius</i>	L	969					264	820			
<i>Psectrocladius</i>	P	646									
<i>Synorthoclaadius</i>	L						264				
<i>Thienemanniella</i>	L						264	498			
<i>Zavrelia</i>	L										
Diamesinae											
<i>Monodiamesa</i>	L										
<i>Potthastia</i>	L										
<i>Pseudokiefferiella</i>	L						264	820			
<i>Pseudokiefferiella</i>	P	485	119								
SUM:		7464	3511	5487	1977	57	6259	9757	8008	1749	56
MOLLUSCA											
Sphaeriidae											
<i>Sphaerium</i>											
Physidae											
<i>Physa</i>		162					264	820			
Valvatidae	J						781	246			
<i>Valvata sincera sincera</i>		162	238				182	164			
SUM:		323	238	281	43	3	1228	1230	1229	1	9
TELEOSTEI											
Unidentified	egg	145	119								
<i>Pungitius pungitius</i>											
SUM:		145	119	132	13	1	0	0	0	0	0
			Sum of Avg.:	9634				Sum of Avg.:	14237		
TOTALS (animals/1000 m ³):		11294	7974	9634	1660	100	12498	15977	14237	1740	100

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location	Spyder River					Stickleback Outflow				
Date	31-Jul-98 to 1-Aug-98					30-Jul-98 to 31-Jul-98				
Units	(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.	98332	98333				98336	98337			
Replicate	1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
COELENTERATA										
<i>Hydra</i>	179					130				
SUM:	179	0	89	89	1	130	0	65	65	1
NEMATODA		746				515				
SUM:	0	746	373	373	3	515	0	257	257	2
ANNELIDA										
<i>Oligochaeta</i>	juvenile	278								
<i>Enchytraeidae</i>										
<i>Naididae</i>						260	118			
<i>Chaetogaster</i>						412	177			
<i>Nais</i>	429	648								
<i>Lumbriculidae</i>	juvenile									
<i>Tubificidae</i>	juvenile					130				
<i>Hirudinea</i>										
<i>Piscicola salmositica</i>						130				
SUM:	786	925	855	70	6	931	295	613	318	5
TURBELLARIA										
SUM:	357	0	179	179	1	0	0	0	0	0
TARDIGRADA										
SUM:	179	0	89	89	1	0	0	0	0	0
CLADOCERA										
<i>Holopedium gibberum</i>										
<i>Daphnia middendorffiana</i>										
<i>Daphnia longiremis</i>										
<i>Chydoridae</i>	J									
<i>Alonella</i>										
<i>Eurycerus glacialis</i>										
<i>Chydorus sphaericus</i>						176	148			
<i>Bosmina longirostris</i>										
SUM:	0	0	0	0	0	176	148	162	14	1
COPEPODA										
<i>Calanoida</i>	cop									
<i>Leptodiaptomus piblofensis</i>										
SUM:	0	0	0	0	0	0	0	0	0	0
COPEPODA										
<i>Cyclopoida</i>										
<i>Cyclops scutifer</i>		185					148			
<i>Macrocyclus albidus</i>										
<i>Eucyclops agilis</i>										
SUM:	0	185	93	93	1	0	148	74	74	1
COPEPODA										
<i>Harpacticoida</i>	357						148			
SUM:	357	0	179	179	1	0	148	74	74	1
OSTRACODA										
Unidentified	J					515				
<i>Candona</i>		185				257	177			
<i>Cypria</i>	536	278				1	5793			
<i>Cypris</i>		926				260	1182			
SUM:	536	1388	962	426	7	1033	7151	4092	3059	32
EUBRANCHIOPODA										
<i>Triops longicaudatus</i>	J	926				130	148			
SUM:	0	926	463	463	3	130	148	139	9	1
MISCELLANEOUS MALACOSTRACA										
<i>Gammarus lacustris</i>						130				
SUM:	0	0	0	0	0	130	0	65	65	1
ARACHNIDA										
<i>Aranea</i>										
<i>Parasitic mite</i>	179									
<i>Oribatidae</i>		926				130	443			
<i>Hydracarina</i>	857	148				124	443			
<i>Forelli</i>	714									
SUM:	1750	1074	1412	338	10	253	886	570	316	5
INSECTA										
COLLEMBOLA										
<i>Anurida</i>							295			
<i>Isotoma</i>										
<i>Sminthurus</i>						130				

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location		Spyder River					Stickleback Outflow				
Date		31-Jul-98 to 1-Aug-98					30-Jul-98 to 31-Jul-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98332	98333				98336	98337			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Entomobryidae											
SUM:		0	0	0	0	0	130	295	213	83	2
EPHEMEROPTERA											
Baetidae	N*	179									
<i>Baetis tricaudatus</i>	N	393	555								
Ephemerellidae	N*										
<i>Ephemerella inermis</i>	N		926								
SUM:		571	1481	1026	455	7	0	0	0	0	0
PLECOPTERA											
Nemouridae											
<i>Nemoura</i>	N										
SUM:		0	0	0	0	0	0	0	0	0	0
MISC INSECTA											
Unidentified Hemiptera	A										
Coccoidea	N										
SUM:		0	0	0	0	0	0	0	0	0	0
TRICHOPTERA											
Unidentified	L*										
Brachycentridae	L*										
<i>Brachycentrus americana</i>	L		278								
<i>Micrasema</i>	L										
Lepidostomatidae											
<i>Lepidostoma</i>	L										
Limnephilidae	L*										
<i>Grensia praeterita</i>	L						416	443			
SUM:		0	278	139	139	1	416	443	430	13	3
COLEOPTERA											
Dytiscidae	L*										
<i>Agabus</i>	L										
<i>Brachyvatus</i>	L										
<i>Brachyvatus</i>	A										
<i>Hydroporus</i>	L		278								
Halplidae											
<i>Haliplus</i>	L										
Hydrophiloidea											
<i>Helophorus</i>	L										
<i>Haliplus</i>	A										
Carabidae	A										
Staphylinidae	A						130				
Unidentified (terrestrial)	A										
SUM:		0	278	139	139	1	130	0	65	65	1
HYMENOPTERA											
Braconidae	A										
Scelionidae	A							148			
SUM:		0	0	0	0	0	0	148	74	74	1
DIPTERA											
Unidentified (terrestrial)	P										
Unidentified (terrestrial)	A	357									
<i>Ceratopogonidae</i>											
<i>Bezzia</i>	L										
Ephydriidae	A						260	148			
Empididae											
<i>Clinocera</i>	L										
Tipulidae											
<i>Tipula</i>	L		926					443			
Culicidae											
<i>Anopheles</i>	A										
Simuliidae	L*										
Simuliidae	P	357					390	148			
<i>Simulium</i>	L	714						443			
<i>Simulium</i>	A	357									
Chironomidae	L*	3	176				237	1273			
Chironomidae	P							148			

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

Location		Spyder River					Stickleback Outflow				
Date		31-Jul-98 to 1-Aug-98					30-Jul-98 to 31-Jul-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98332	98333				98336	98337			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Tanypodinae	L*	3	167				390				
<i>Nilotanytus</i>	L										
<i>Paramerina</i>	L										
<i>Procladius</i>	L	357									
<i>Procladius</i>	P										
<i>Thienemannimyia</i>	L	714	185				130				
<i>Thienemannimyia</i>	P	357									
Tanytarsini	L*	357	278				260	148			
<i>Paratanytarsus</i>	L										
<i>Rheotanytarsus</i>	L	714									
<i>Rheotanytarsus</i>	P	171	926				260	739			
<i>Stempellinella</i>	L	357					130				
<i>Stempellinella</i>	P										
<i>Tanytarsus</i>	L	357						295			
<i>Tanytarsus</i>	P							443			
Chironomini	L*										
Chironomini	P										
<i>Demicryptochironomus</i>	L										
<i>Dicrotendipes</i>	L						130				
<i>Glyptotendipes</i>	L										
<i>Phaenopsectra</i>	L										
<i>Phaenopsectra</i>	P										
Orthoclaadiinae	L*	714	463					886			
Orthoclaadiinae	P	171	185				260	443			
Orthoclaadiinae	A										
<i>Corynoneura</i>	L	714	926				412	148			
<i>Corynoneura</i>	P	125	833				260	134			
<i>Cricotopus</i>	L	643	185								
<i>Cricotopus</i>	P	143	185								
<i>Eukiefferiella</i>	L	214	746					148			
<i>Gymnometriocnemus</i>	L	171	833								
<i>Metriocnemus</i>	P										
<i>Orthocladus</i>	L		185								
<i>Orthocladus</i>	P	357									
<i>Psectrocladius</i>	L	714	185				390	739			
<i>Psectrocladius</i>	P										
<i>Synorthocladus</i>	L										
<i>Thienemanniella</i>	L		278								
<i>Zavrelia</i>	L						130				
Diamesinae											
<i>Monodiamesa</i>	L										
<i>Potthastia</i>	L										
<i>Pseudokiefferiella</i>	L	357	278								
<i>Pseudokiefferiella</i>	P										
SUM:		9502	7936	8719	783	59	3636	6725	5180	1544	41
MOLLUSCA											
Sphaeriidae											
<i>Sphaerium</i>							130				
Physidae											
<i>Physa</i>											
Valvatidae	J										
<i>Valvata sincera sincera</i>											
SUM:		0	0	0	0	0	130	0	65	65	1
TELEOSTEI											
Unidentified	egg										
<i>Pungitius pungitius</i>							556	443			
SUM:		0	0	0	0	0	556	443	500	56	4
		Sum of Avg.:		14716			Sum of Avg.:		12637		
TOTALS (animals/1000 m ³):		14216	15216	14716	500	100	8296	16978	12637	4341	100

Appendix 8.3-1
Larval Drift Taxonomic Results, 1998

Location		Trout Outflow 30-Jul-98 to 31-Jul-98				Boston Reference Outflow 1-Aug-98 to 2-Aug-98					
Date		(animals/1000 m ³)				(animals/1000 m ³)					
Units		98338	98339				98049	98050			
Sample No.		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Replicate											
COELENTERATA											
<i>Hydra</i>		0	0	0	0	0	0	0	0	0	0
SUM:		191					292				
NEMATODA		191	0	96	96	1	292	0	146	146	1
SUM:											
ANNELIDA											
Oligochaeta	juvenile	266						820			
Enchytraeidae											
Naididae							195				
<i>Chaetogaster</i>											
<i>Nais</i>		989	628				486	1000			
Lumbriculidae	juvenile										
Tubificidae	juvenile										
Hirudinea											
<i>Piscicola salmositica</i>											
SUM:		1255	628	941	313	6	680	1820	1250	570	8
TURBELLARIA											
SUM:		0	0	0	0	0	0	0	0	0	0
TARDIGRADA							195				
SUM:		0	0	0	0	0	195	0	97	97	1
CLADOCERA											
<i>Holopedium gibberum</i>							973				
<i>Daphnia middendorffiana</i>											
<i>Daphnia longiremis</i>											
Chydoridae	J		315					246			
<i>Alonella</i>							584				
<i>Eurycercus glacialis</i>											
<i>Chydorus sphaericus</i>		456	157				778	164			
<i>Bosmina longirostris</i>											
SUM:		456	472	464	8	3	2335	410	1372	963	8
COPEPODA											
Calanoida	cop										
<i>Leptodiatomus priblofensis</i>											
SUM:		0	0	0	0	0	0	0	0	0	0
COPEPODA											
Cyclopoida											
<i>Cyclops scutifer</i>		382					195	820			
<i>Macrocyclus albidus</i>		153	942								
<i>Eucyclops agilis</i>			315								
SUM:		535	1257	896	361	6	195	820	507	313	3
COPEPODA											
Harpacticoida							973				
SUM:		0	0	0	0	0	973	0	486	486	3
OSTRACODA											
Unidentified	I	765	220								
<i>Candona</i>		153						328			
<i>Cypria</i>		4829	241				272	820			
<i>Cypripis</i>		153	126				195	164			
SUM:		5899	587	3243	2656	21	467	1311	889	422	5
EUBRANCHIOPODA											
<i>Triops longicaudatus</i>	J		942					164			
SUM:		0	942	471	471	3	0	164	82	82	1
MISCELLANEOUS MALACOSTRACA											
<i>Gammarus lacustris</i>											
SUM:		0	0	0	0	0	0	0	0	0	0
ARACHNIDA											
Aranea											
Parasitic mite		765									
Oribatidae		153									
Hydracarina		1342	199				711	123			
<i>Forelli</i>		677	942				185	820			
SUM:		2937	1141	2039	898	13	896	943	919	23	6
INSECTA											
COLLEMBOLA											
<i>Anurida</i>		382									
<i>Isotoma</i>											
<i>Sminthurus</i>		765									

Appendix 8.3-1

Larval Drift Taxonomic Results, 1998

Location		Trout Outflow					Boston Reference Outflow				
Date		30-Jul-98 to 31-Jul-98					1-Aug-98 to 2-Aug-98				
Units		(animals/1000 m ³)					(animals/1000 m ³)				
Sample No.		98338	98339				98049	98050			
Replicate		1	2	Avg.	Std. Error	%	1	2	Avg.	Std. Error	%
Entomobryidae											
SUM:		1147	0	573	573	4	0	0	0	0	0
EPHEMEROPTERA											
Baetidae	N*										
<i>Baetis tricaudatus</i>	N										
Ephemerellidae	N*							820			
<i>Ephemerella inermis</i>	N										
SUM:		0	0	0	0	0	0	820	410	410	3
PLECOPTERA											
Nemouridae											
<i>Nemoura</i>	N										
SUM:		0	0	0	0	0	0	0	0	0	0
MISC INSECTA											
Unidentified Hemiptera	A										
Coccoidea	N										
SUM:		0	0	0	0	0	973	0	486	486	3
TRICHOPTERA							973				
Unidentified	L*										
Brachycentridae	L*										
<i>Brachycentrus americana</i>	L										
<i>Micrasema</i>	L										
Lepidostomatidae											
<i>Lepidostoma</i>	L										
Limnephilidae	L*										
<i>Grensia praeterita</i>	L										
SUM:		0	0	0	0	0	0	0	0	0	0
COLEOPTERA											
Dytiscidae	L*										
<i>Agabus</i>	L										
<i>Brachyvatus</i>	L										
<i>Brachyvatus</i>	A										
<i>Hydroporus</i>	L	382									
Halplidae											
<i>Haliplus</i>	L	115						820			
Hydrophiloidea											
<i>Helophorus</i>	L										
<i>Haliplus</i>	A										
Carabidae	A										
Staphylinidae	A										
Unidentified (terrestrial)	A										
SUM:		497	0	248	248	2	0	820	410	410	3
HYMENOPTERA											
Braconidae	A		315					820			
Scelionidae	A		942				973				
SUM:		0	1257	628	628	4	973	820	896	76	6
DIPTERA											
Unidentified (terrestrial)	P										
Unidentified (terrestrial)	A		315								
<i>Ceratopogonidae</i>											
<i>Bezzia</i>	L										
<i>Ephydridae</i>	A										
<i>Empididae</i>											
<i>Clinocera</i>	L										
<i>Tipulidae</i>											
<i>Tipula</i>	L										
<i>Culicidae</i>								164			
<i>Anopheles</i>	A										
<i>Simulidae</i>	L*										
<i>Simulidae</i>	P										
<i>Simulium</i>	L	382	126					164			
<i>Simulium</i>	A							164			
<i>Chironomidae</i>	L*	2	317				195	573			
<i>Chironomidae</i>	P		126				118	1156			
							117	246			

Appendix 8.3-1 Larval Drift Taxonomic Results, 1998

Location	Trout Outflow						Boston Reference Outflow				
Date	30-Jul-98 to 31-Jul-98						1-Aug-98 to 2-Aug-98				
Units	(animals/1000 m ³)						(animals/1000 m ³)				
Sample No.	98338	98339					98049	98050			
Replicate	1	2	Avg.	Std. Error	%		1	2	Avg.	Std. Error	%
Tanypodinae	L*						486	820			
<i>Nilotanytus</i>	L										
<i>Paramerina</i>	L										
<i>Procladius</i>	L										
<i>Procladius</i>	P										
<i>Thienemannimyia</i>	L							164			
<i>Thienemannimyia</i>	P										
Tanytarsini	L*	722	628				146	385			
<i>Paratanytarsus</i>	L	382									
<i>Rheotanytarsus</i>	L						486	197			
<i>Rheotanytarsus</i>	P	765	315				165	1000			
<i>Stempellinella</i>	L	418	157					164			
<i>Stempellinella</i>	P										
<i>Tanytarsus</i>	L										
<i>Tanytarsus</i>	P	191	628								
Chironomini	L*										
Chironomini	P										
<i>Demicryptochironomus</i>	L										
<i>Dicrotendipes</i>	L										
<i>Glyptotendipes</i>	L										
<i>Phaenopsectra</i>	L										
<i>Phaenopsectra</i>	P										
Orthoclaadiinae	L*	115					973	246			
Orthoclaadiinae	P	765					973	164			
Orthoclaadiinae	A										
<i>Corynoneura</i>	L	270	157				389				
<i>Corynoneura</i>	P	342	315				253	188			
<i>Cricotopus</i>	L							328			
<i>Cricotopus</i>	P										
<i>Eukiefferiella</i>	L	382									
<i>Gymnometriocnemus</i>	L										
<i>Metriocnemus</i>	P										
<i>Orthocladus</i>	L										
<i>Orthocladus</i>	P										
<i>Psectrocladius</i>	L	191	315					164			
<i>Psectrocladius</i>	P						689	328			
<i>Synorthocladus</i>	L										
<i>Thienemanniella</i>	L										
<i>Zavrelia</i>	L										
Diamesinae											
<i>Monodiamesa</i>	L										
<i>Pothastia</i>	L										
<i>Pseudokiefferiella</i>	L							820			
<i>Pseudokiefferiella</i>	P										
SUM:		4928	3398	4163	765	27	4990	7432	6211	1221	38
MOLLUSCA											
Sphaeriidae											
<i>Sphaerium</i>		765									
Physidae											
<i>Physa</i>		382	315					820			
Valvatidae	J	266	483				389	820			
<i>Valvata sincera sincera</i>		115	942					246			
SUM:		1528	1740	1634	106	10	389	1885	1137	748	7
TELEOSTEI											
Unidentified	egg										
<i>Pungitius pungitius</i>		382					973	820			
SUM:		382	0	191	191	1	973	820	896	76	6
		Sum of Avg.:		15589			Sum of Avg.:		16196		
TOTALS (animals/1000 m ³):		19755	11423	15589	4166	100	14329	18063	16196	1867	100

Appendix 8.4-1
Stream Benthos Taxonomic Results, 1998

Appendix 8.4-1
Stream Benthos Taxonomic Results, 1998

Station		NE Aimaoktak Inflow						Aimaoktak River					
Date		28-Jun-98 to 31-Jul-98						27-Jun-98 to 1-Aug-98					
		(organisms/m ²)						(organisms/m ²)					
Sample Number		98342	98343	98344				98354	98355	98356			
Replicate		1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%
COELENTERATA													
<i>Hydra</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
NEMATODA													
SUM:		0	0	11	4	4	0	11	11	132	51	40	5
ANNELIDA													
Oligochaeta	juvenile												
Enchytraeidae													
Naididae													
<i>Nais</i>													
Lumbriculidae	juvenile	11		11									
Tubificidae	juvenile			44									
SUM:		11	0	55	22	17	1	0	0	0	0	0	0
CLADOCERA													
Chydoridae	juvenile												
<i>Alonella</i>		33						22	33				
<i>Chydorus sphaericus</i>		11						121	132	11			
SUM:		44	0	0	15	15	1	143	164	11	106	48	10
COPEPODA													
Calanoida	cop												
<i>Leptodiaptomus priblofensis</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COPEPODA													
Cyclopoida													
<i>Cyclops</i> sp.								33	11	44			
<i>Macrocyclus albidus</i>								55	44	66			
<i>Eucyclops agilis</i>													
SUM:		0	0	0	0	0	0	88	55	110	84	16	8
COPEPODA													
Harpacticoida								77	88				
SUM:		0	0	0	0	0	0	77	88	0	55	28	5
OSTRACODA													
Unidentified	J												
<i>Candona</i>		1447	219	943				66	121	66			
<i>Cypria</i>													
<i>Cypris</i>			11	66									
SUM:		1447	230	1009	895	356	35	66	121	66	84	18	8
MISCELLANEOUS MALACOSTRACA													
<i>Saduria entomon</i>													
<i>Gammarus lacustris</i>													
<i>Mysis relicta</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
ARACHNIDA													
Hydracarina		11		22				66	22				
<i>Forelli</i>													
SUM:		11	0	22	11	6	0	66	22	0	29	19	3
EPHEMEROPTERA													
Baetidae	N*												
<i>Baetis tricaudatus</i>	N		22										
SUM:		0	22	0	7	7	0	0	0	0	0	0	0
PLECOPTERA													
Nemouridae													
<i>Nemoura</i>	N	11		11									
SUM:		11	0	11	7	4	0	0	0	0	0	0	0
TRICHOPTERA													
Brachycentridae	L*												
<i>Brachycentrus americana</i>	L												
<i>Micrasema</i>	L	22											
Limnephilidae	L*												
<i>Grensia praeterita</i>	L									11			
SUM:		22	0	0	7	7	0	0	0	11	4	4	0
COLEOPTERA													

Appendix 8.4-1
Stream Benthos Taxonomic Results, 1998

		NE Aimaoktak Inflow							Aimaoktak River						
Station		28-Jun-98 to 31-Jul-98							27-Jun-98 to 1-Aug-98						
Date		(organisms/m ²)							(organisms/m ²)						
Sample Number		98342	98343	98344					98354	98355	98356				
Replicate		1	2	3	Avg.	Std. Error	%		1	2	3	Avg.	Std. Error	%	
Dytiscidae	L*														
Brachyvatus	A														
Halplidae	L														
Halplus		0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUM:															
DIPTERA															
Empididae	L														
Chelifera															
Tipulidae	L	22		22											
Tipula															
Culicidae	A														
Anopheles	L*		11												
Simulidae	L														
Simulium	A														
Simulium	L*	11	44	44				175	219	11	219				
Chironomidae	P														
Tanypodinae	L*			22											
Paramerina	L	11													
Procladius	L	11													
Thiennemannimyia	L	186	99	252				11	55	55					
Thiennemannimyia	P			11											
Tanytarsini	L*	88	66	99				164	77	99					
Tanytarsini	P	22													
Mincrosectra	L														
Paratanytarsus	L														
Rheotanytarsus	L		154	164				88	44	44					
Rheotanytarsus	P														
Stempellinella	L	11	22					33	121	33					
Stempellinella	P														
Tanytarsus	L														
Tanytarsus	P														
Chironomini	L*	22	11	11											
Chironomus	L														
Demicryptochironomus	L		11												
Glyptotendipes	L	33										11			
Lipiniella	L														
Lipiniella	P														
Phaenopsectra	L			22											
Phaenopsectra	P														
Orthoclaadiinae	L*	11	11					11	33	22					
Orthoclaadiinae	P														
Corynoneura	L		33	99				11							
Corynoneura	P		11												
Eukiefferiella	L		11												
Gymnometriocnemus	L							11							
Heterotrissocladius	L														
Psectrocladius	L											11			
Psectrocladius	P														
Rheocricotopus	L		44												
Rheocricotopus	P														
Thienemanniella	L		11												
Zalutschia	L														
Diamesinae															
Monodiamesa	L														
Potthastia	L														
Protanypus	L														
Protanypus	P														
Pseudokiefferiella	L		11												
Pseudokiefferiella	P														
SUM:		428	548	746	574	93	23	504	680	603	596	51	56		
MOLLUSCA															
Sphaeriidae															
Sphaerium															
Physidae															
Physa	J	219	88	143				11		11					
Valvatidae								22		121					
Valvata sincera sincera		1009	647	877						11					
SUM:		1228	735	1020	994	143	39	33	0	143	58	43	5		
		Sum of Avg.:				2536		Sum of Avg.:				1067			
TOTALS:		3202	1535	2873	2536	651	100	987	1140	1075	1067	267	10		

Appendix 8.4-1
Stream Benthos Taxonomic Results, 1998

Station		Stickleback OF						Trout Outflow					
Date		26-Jun-98 to 30-Jul-98						26-Jun-98 to 31-Jul-98					
		(organisms/m ²)						(organisms/m ²)					
Sample Number		98345	98346	98347				98348	98349	98350			
Replicate		1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%
COELENTERATA													
<i>Hydra</i>			44	285									
SUM:		0	44	285	110	89	1	0	0	0	0	0	0
NEMATODA													
SUM:		0	0	0	0	0	0	44	44	175	88	44	1
ANNELIDA													
Oligochaeta	juvenile	44	175	219				11					
Enchytraeidae													
Naididae													
<i>Nais</i>		88	482	175									
Lumbriculidae	juvenile	11											
Tubificidae	juvenile												
SUM:		143	658	395	398	149	4	11	0	0	4	4	0
CLADOCERA													
Chydoridae	juvenile							22		175			
<i>Alonella</i>													
<i>Chydorus sphaericus</i>				44				22	132	614			
SUM:		0	0	44	15	15	0	44	132	789	322	235	2
COPEPODA													
Calanoida	cop												
<i>Leptodiaptomus priblofensis</i>													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COPEPODA													
Cyclopoida													
<i>Cyclops</i> sp.				44				44					
<i>Macrocylops albidus</i>								22	44	186			
<i>Eucyclops agilis</i>													
SUM:		0	0	44	15	15	0	66	44	186	99	44	1
COPEPODA													
Harpacticoida								154	88	175			
SUM:		0	0	0	0	0	0	154	88	175	139	26	1
OSTRACODA													
Unidentified	J												
<i>Candona</i>		88		197				77	1710	1140			
<i>Cypria</i>		263	1864	833									
<i>Cypris</i>		16052	2653	3048				11	44	175			
SUM:		16403	4517	4079	8333	4037	83	88	1754	1316	1053	499	8
MISCELLANEOUS MALACOSTRACA													
<i>Saduria entomon</i>													
<i>Gammarus lacustris</i>		44	99	154									
<i>Mysis relicta</i>													
SUM:		44	99	154	99	32	1	0	0	0	0	0	0
ARACHNIDA													
Hydracarina		175	121	77				132	252	88			
<i>Forelli</i>													
SUM:		175	121	77	124	29	1	132	252	88	157	49	1
EPHEMEROPTERA													
Baetidae	N*												
<i>Baetis tricaudatus</i>	N												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
PLECOPTERA													
Nemouridae													
<i>Nemoura</i>	N	55		22									
SUM:		55	0	22	26	16	0	0	0	0	0	0	0
TRICHOPTERA													
Brachycentridae	L*												
<i>Brachycentrus americana</i>	L								11				
<i>Micrasema</i>	L												
Limnephilidae	L*												
<i>Grensia praeterita</i>	L	77	22	22									
SUM:		77	22	22	40	18	0	0	11	0	4	4	0
COLEOPTERA													

Appendix 8.4-1 Stream Benthos Taxonomic Results, 1998

Station Date		Stickleback OF 26-Jun-98 to 30-Jul-98 (organisms/m ²)						Trout Outflow 26-Jun-98 to 31-Jul-98 (organisms/m ²)					
		98345	98346	98347	Avg.	Std. Error	%	98348	98349	98350	Avg.	Std. Error	%
Sample Number	Replicate	1	2	3				1	2	3			
Dytiscidae	L*								11				
Brachyvatus	A												
Halplidae									11				
Haliphus	L	0	0	0	0	0	0	0	22	0	7	7	0
SUM:													
DIPTERA													
Empididae													
Chelifera	L												
Tipulidae													
Tipula	L							11					
Culicidae													
Anopheles	A							22					
Simuliidae	L*												
Simulium	L			33				22					
Simulium	A			1075				1020	2237	10011			
Chironomidae	L*	88	44										
Chironomidae	P		22					11	88	614			
Tanypodinae	L*												
Paramerina	L												
Procladius	L							121	307	132			
Thienemannimyia	L												
Thienemannimyia	P							735	1447	4309			
Tanytarsini	L*			132									
Tanytarsini	P												
Mincropsectra	L							439	44	175			
Paratanytarsus	L								132	263			
Rheotanytarsus	L	44	11	11									
Rheotanytarsus	P							329	5756	2456			
Stempellinella	L												
Stempellinella	P												
Tanytarsus	L												
Tanytarsus	P												
Chironomini	L*												
Chironomus	L												
Demicryptochironomus	L	11											
Glyptotendipes	L												
Lipiniella	L												
Lipiniella	P												
Phaenopsectra	L												
Phaenopsectra	P												
Orthocladiinae	L*			22				33	44	88			
Orthocladiinae	P							208	1096	2631			
Corynoneura	L	307	88	461				33	175	351			
Corynoneura	P			44									
Eukiefferiella	L												
Gymnometrioctenemus	L												
Heterotrissocladius	L												
Psectrocladius	L		11	175									
Psectrocladius	P							88	22	219			
Rheocricotopus	L												
Rheocricotopus	P							22		88			
Thienemanniella	L												
Zalutschia	L												
Diamesinae													
Monodiamesa	L												
Pothastia	L												
Protanypus	L												
Protanypus	P												
Pseudokiefferiella	L												
Pseudokiefferiella	P												
SUM:		450	175	1952	859	552	9	3092	11348	21337	11926	5275	86
MOLLUSCA													
Sphaeriidae													
Sphaerium		11											
Physidae													
Physa								33	263				
Valvatidae	J	44	22										
Valvata sincera sincera		55	22	0	26	16	0	33	263	0	99	83	1
SUM:													
Sum of Avg.:					10043			Sum of Avg.:					13896
TOTALS:		17401	5658	7072	10043	4966	100	3662	13958	24067	13896	6270	100

Appendix 8.4-1
Stream Benthos Taxonomic Results, 1998

Station		Boston Reference Outflow					
Date		28-Jun-98 to 1-Aug-98					
		(organisms/m ²)					
Sample Number		98351	98352	98353			
Replicate		1	2	3	Avg.	Std. Error	%
COELENTERATA							
<i>Hydra</i>							
SUM:		0	0	0	0	0	0
NEMATODA							
SUM:		351	351	110			
		351	351	110	270	80	1
ANNELIDA							
Oligochaeta	juvenile		88				
Enchytraeidae							
Naididae							
<i>Nais</i>			1678	110			
Lumbriculidae	juvenile		11				
Tubificidae	juvenile		88				
SUM:		0	1864	110	658	604	2
CLADOCERA							
Chydoridae	juvenile			22			
<i>Alonella</i>							
<i>Chydorus sphaericus</i>			88				
SUM:		0	88	22	37	26	0
COPEPODA							
Calanoida	cop						
<i>Leptodiaptomus priblofensis</i>							
SUM:		0	0	0	0	0	0
COPEPODA							
Cyclopoida							
<i>Cyclops</i> sp.			88				
<i>Macrocyclops albidus</i>							
<i>Eucyclops agilis</i>							
SUM:		0	88	0	29	29	0
COPEPODA							
Harpacticoida		175	1491	44			
SUM:		175	1491	44	570	462	1
OSTRACODA							
Unidentified	J						
<i>Candona</i>		351	175	88			
<i>Cypria</i>							
<i>Cypris</i>		175					
SUM:		526	175	88	263	134	1
MISCELLANEOUS MALACOSTRACA							
<i>Saduria entomon</i>							
<i>Gammarus lacustris</i>							
<i>Mysis relicta</i>							
SUM:		0	0	0	0	0	0
ARACHNIDA							
Hydracarina		5691	1458	395			
<i>Forelli</i>							
SUM:		5691	1458	395	2515	1617	6
EPHEMEROPTERA							
Baetidae	N*						
<i>Baetis tricaudatus</i>	N						
SUM:		0	0	0	0	0	0
PLECOPTERA							
Nemouridae							
<i>Nemoura</i>	N	11		11			
SUM:		11	0	11	7	4	0
TRICHOPTERA							
Brachycentridae	L*						
<i>Brachycentrus americana</i>	L						
<i>Micrasema</i>	L						
Limnephilidae	L*						
<i>Grensia praeterita</i>	L						
SUM:		0	0	0	0	0	0
COLEOPTERA							

Appendix 8.4-1
Stream Benthos Taxonomic Results, 1998

Station	Boston Reference Outflow						
Date	28-Jun-98 to 1-Aug-98						
	(organisms/m ²)						
Sample Number	98351	98352	98353				
Replicate	1	2	3	Avg.	Std. Error	%	
Dytiscidae	L*						
<i>Brachyvatus</i>	A						
Halplidae							
<i>Haliphus</i>	L						
SUM:	0	0	0	0	0	0	0
DIPTERA							
<i>Empididae</i>							
<i>Chelifera</i>	L						
<i>Tipulidae</i>							
<i>Tipula</i>	L	88					
<i>Culicidae</i>							
<i>Anopheles</i>	A						
<i>Simulidae</i>	L*		22				
<i>Simulium</i>	L						
<i>Simulium</i>	A						
<i>Chironomidae</i>	L*	7368	4035	1053			
Chironomidae	P						
Tanypodinae	L*		175	175			
<i>Paramerina</i>	L		11				
<i>Procladius</i>	L						
<i>Thiennemannimyia</i>	L	197	1042	461			
<i>Thiennemannimyia</i>	P						
Tanytarsini	L*	6491	6140	1623			
Tanytarsini	P						
<i>Mincropsectra</i>	L						
<i>Paratanytarsus</i>	L		33	33			
<i>Rheotanytarsus</i>	L	49461	11677	3574			
<i>Rheotanytarsus</i>	P						
<i>Stempellinella</i>	L		263	66			
<i>Stempellinella</i>	P						
<i>Tanytarsus</i>	L		11				
<i>Tanytarsus</i>	P						
Chironomini	L*	175	11	88			
<i>Chironomus</i>	L						
<i>Demicryptochironomus</i>	L		11				
<i>Glyptotendipes</i>	L						
<i>Lipiniella</i>	L						
<i>Lipiniella</i>	P						
<i>Phaenopsectra</i>	L						
<i>Phaenopsectra</i>	P						
Orthoclaadiinae	L*	3684	526	175			
Orthoclaadiinae	P						
<i>Corynoneura</i>	L		263	22			
<i>Corynoneura</i>	P						
<i>Eukiefferiella</i>	L						
<i>Gymnometriocnemus</i>	L						
<i>Heterotrissocladius</i>	L						
<i>Psectrocladius</i>	L	22	22	11			
<i>Psectrocladius</i>	P						
<i>Rheocricotopus</i>	L	3224	55	11			
<i>Rheocricotopus</i>	P	11					
<i>Thienemanniella</i>	L						
<i>Zalutschia</i>	L						
Diamesinae							
<i>Monodiamesa</i>	L	175					
<i>Potthastia</i>	L	888		22			
<i>Protanypus</i>	L						
<i>Protanypus</i>	P						
<i>Pseudokiefferiella</i>	L						
<i>Pseudokiefferiella</i>	P						
SUM:	71696	24363	7335	34465	19254	88	
MOLLUSCA							
Sphaeriidae							
<i>Sphaerium</i>							
Physidae							
<i>Physa</i>							
Valvatidae	J		175	197			
<i>Valvata sincera sincera</i>		11		11			
SUM:	11	175	208	132	61	0	
Sum of Avg.:				38946			
TOTALS:	78461	30053	8322	38946	22272	100	

Appendix 8.5-1
Marine Benthos Taxonomic Results, 1998



Appendix 8.5-1
Marine Benthos Taxonomic Results, 1998

Station	Hope Bay Stn 1							Hope Bay Stn 2						
Date	21-Jul-98							21-Jul-98						
Depth (m)	Animal Density (animals/m ²)							Animal Density (animals/m ³)						
Sample Number	8.0	8.0	8.0					3.6	3.4	3.6				
Replicate	98182	98183	98184					98185	98186	98187				
	Stage	1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%	
CNIDARIA														
Unidentified Cnidaria														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	0
NEMATODA														
Unidentified Nematode		89		44				311	1844	44				
SUM:		89	0	44	44	26	1	311	1844	44	733	561	44	
NEMERTEA														
Probably <i>Micrura</i> sp														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	0
PRIAPULIDAE														
<i>Priapulid caudata</i>		44												
SUM:		44	0	0	15	15	0	0	0	0	0	0	0	0
OLIGOCHAETA														
Enchytraeidae			44											
SUM:		0	44	0	15	15	0	0	0	0	0	0	0	0
HIRUDINEA														
Piscicolidae?	J		44											
SUM:		0	44	0	15	15	0	0	0	0	0	0	0	0
POLYCHAETA														
Unidentified/juvenile polychaete		44												
<i>Amphisamytha</i> sp														
<i>Aricidea lopezi</i>		44												
<i>Autolytus</i> sp														
<i>Cirratulidae</i> dam				89				44						
<i>Cossura cf longocirrata</i>														
<i>Eteone longa</i>		89	44	178							89			
Flabelligeridae (Brada sp?)														
<i>Laonice cf cirrata</i>				44				356	533	222				
<i>Leitoscoloplos pugettensis</i>														
<i>Lumbrineris cf fragilis</i>														
Maldanidae (Euclymenininae)														
<i>Mediomastus</i> sp		133	133	178										
<i>Nephtys ciliata</i>														
<i>Nephtys cornuta</i>		122	1467	711										
<i>Paraonella spinifera</i>														
<i>Pectinaria granulata</i>		356	89	4										
<i>Pholoe minuta</i>		711	267	267										
Polynoidae dam		622	89											
Spionidae, prob <i>Prionospio</i> sp														
SUM:		2122	2089	1471	1894	212	57	400	533	311	415	65	25	
COPEPODA														
Harpacticoida														
SUM:		0	0	0	0	0	0	0	0	44	15	15	1	
OSTRACODA														
Unidentified ostracod		133	44	44										
SUM:		133	44	44	74	30	2	0	0	44	15	15	1	
ISOPODA														
Unidentified/juvenile isopod		178												
<i>Ianiropsis</i> sp., prob <i>I. kincaidi</i>														
<i>Saduria entomon</i>		44												
SUM:		222	0	0	74	74	2	0	0	0	0	0	0	0
CUMACEA														
<i>Bathycuma</i> sp			44											
<i>Diastylis cf abbotti</i>														
<i>Leucon</i> sp														
SUM:		0	44	0	15	15	0	0	0	0	0	0	0	0
TANAIDACEA														
<i>Leptognathia gracilis</i>														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	0
AMPHIPODA														
Unidentified/juvenile amphipod														
<i>Atylus tridens</i>		133												
<i>Dexamonica reducans</i>														

Appendix 8.5-1
Marine Benthos Taxonomic Results, 1998

Station Date	Hope Bay Stn 1 21-Jul-98							Hope Bay Stn 2 21-Jul-98						
	Animal Density (animals/m ²)							Animal Density (animals/m ²)						
Depth (m)	8.0	8.0	8.0					3.6	3.4	3.6				
Sample Number	98182	98183	98184					98185	98186	98187				
Replicate	1	2	3	Avg.	Std. Error	%		1	2	3	Avg.	Std. Error	%	
<i>Orchomene</i> sp	44							44						
<i>Paramoera</i> sp	133													
<i>Pontoporeia femorata</i>	267	533	44											
<i>Westwoodilla caecula</i>														
SUM:	578	533	44	385	171	12		44	0	0	15	15	1	
HYDRACARINA														
Unidentified/juvenile Hydracarina			44							44				
<i>Lebertia</i> sp		89												
<i>Neumannia</i> sp		44								89				
<i>Sperchon</i> sp										44				
SUM:	0	133	44	59	39	2		0	0	178	59	59	4	
COLLEMBOLA														
<i>Podura</i> sp	A	44	44											
SUM:		44	44	0	30	15	1	0	0	0	0	0	0	0
HYMENOPTERA														
Formicidae	A								44					
Thysanoptera	A													
SUM:		0	0	0	0	0	0	0	44	0	15	15	1	
DIPTERA														
Culicidae	A	89												
Muscidae?	P													
Chironomidae	L*		44	89										
Chironomidae	P													
Tanypodinae														
<i>Procladius</i> sp	L		44	44										
<i>Tanytarsini</i>														
<i>Rheotanytarsus</i> sp	L	44	44	44						356				
Chironomini														
<i>Chironomus</i> sp	L			44										
<i>Phaenopsectra</i> sp	L	44												
<i>Polypedilum (Polypedilum)</i> sp	L		44	44						44				
Orthocladinae														
<i>Cricotopus</i> sp	L	133							44	222				
<i>Eukiefferiella</i> sp	L	267	44							267				
<i>Monodiamesa</i> sp	L	44	133	89						89				
<i>Saetheria</i> sp	L		89											
<i>Stilocladius</i> sp	L	89		44										
<i>Thienemanniella</i> sp	L	178	178	178						89				
SUM:		889	622	578	696	97	21	0	44	1067	370	348	22	
ECHINODERMATA														
Echinoidea														
<i>Strongylocentrotus droebachiensis</i>														
Holothuroidea Unid Dam														
Ophiuroidea Unid dam														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	0
GASTROPODA														
<i>Haminoe (vesicula?)</i>														
<i>Retusa obtusa</i>														
<i>Tachyrhynchus erosus</i>														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	0
BIVALVIA														
Unidentified/juveniles														
<i>Astarte subequilatera</i>														
<i>Astarte borealis</i>														
<i>Axinopsida serricata</i>														
<i>Crenella faba</i>														
<i>Limopsis</i> sp														
<i>cf Lyonsia</i> sp														
<i>Macoma inquinata</i>		89						89						
<i>Musculus discors</i>														
<i>Thyasira cf flexuosa</i>														
<i>Yoldia myalis</i>														
SUM:		89	0	0	30	30	1	89	0	0	30	30	2	
		Sum of Avg.: 3346						Sum of Avg.: 1667						
TOTAL (animals/m ²):		4211	3600	2226	3346	587	100	844	2467	1688	1667	468	100	

Note: Taxa with the designation of indicate that positive identification could not be made and that it is unlikely that these taxa have been identified correctly

Appendix 8.5-1

Marine Benthos Taxonomic Results, 1998

Station	Hope Bay Stn 3							Roberts Bay Stn 1						
Date	21-Jul-98							20-Jul-98						
Depth (m)	Animal Density (animals/m ²)							Animal Density (animals/m ²)						
Sample Number	3.7	3.7	3.7					15.5	15.5	16.5				
Replicate	98188	98189	98190					98191	98192	98193				
	Stage	1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%	
CNIDARIA														
Unidentified Cnidaria									44	178				
SUM:		0	0	0	0	0	0	0	44	178	74	53	0	
NEMATODA														
SUM:		3556	122	4				356	267	711				
		3556	122	4	1227	1165	49	356	267	711	444	136	2	
NEMERTEA														
Probably <i>Micrura</i> sp								267	311	222				
SUM:		0	0	0	0	0	0	267	311	222	267	26	1	
PRIAPULIDAE														
<i>Priapul</i> <i>caudata</i>								44	44					
SUM:		0	0	0	0	0	0	44	44	0	30	15	0	
OLIGOCHAETA														
Enchytraeidae		178	133	89										
SUM:		178	133	89	133	26	5	0	0	0	0	0	0	
HIRUDINEA														
Piscicolidae?	J													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	
POLYCHAETA														
Unidentified/juvenile polychaete		89						44						
<i>Amphisamytha</i> sp										44				
<i>Aricidea lopezi</i>									44	44				
<i>Autolytus</i> sp								89	89	267				
<i>Cirratulidae</i> dam								2489	289	4133				
<i>Cossura cf longocirrata</i>								356	44	222				
<i>Eteone longa</i>														
Flabelligeridae (Brada sp?)								89	178	89				
<i>Laonice cf cirrata</i>		167	489	178				311	178	267				
<i>Leitoscoloplos pugettensis</i>								44	133					
<i>Lumbrineris cf fragilis</i>								89	44	178				
Maldanidae (Euclymenininae)								89		44				
<i>Mediomastus</i> sp		356	1156	311				44	89	178				
<i>Nephtys ciliata</i>									44					
<i>Nephtys cornuta</i>								4267	5778	7333				
<i>Paraonella spinifera</i>		44						844	222	578				
<i>Pectinaria granulata</i>								44	89	44				
<i>Pholoe minuta</i>								356	133	16				
Polynoidae dam								444	578	178				
Spionidae, prob <i>Prionospio</i> sp										44				
SUM:		656	1644	489	930	361	37	9600	7933	13660	10398	1701	53	
COPEPODA														
Harpacticoida		267												
SUM:		267	0	0	89	89	4	0	0	0	0	0	0	
OSTRACODA														
Unidentified ostracod								44	1867	533				
SUM:		0	0	0	0	0	0	44	1867	533	815	545	4	
ISOPODA														
Unidentified/juvenile isopod														
<i>Ianiropsis</i> sp., prob <i>I. kincaidii</i>								89	311	89				
<i>Saduria entomon</i>														
SUM:		0	0	0	0	0	0	89	311	89	163	74	1	
CUMACEA														
<i>Bathycuma</i> sp								89						
<i>Diastylis cf abbotti</i>		89						3733	489	6933				
<i>Leucon</i> sp								44	133	489				
SUM:		89	0	0	30	30	1	3867	622	7422	3970	1964	20	
TANAIDACEA														
<i>Leptognathia gracilis</i>								89	311	267				
SUM:		0	0	0	0	0	0	89	311	267	222	68	1	
AMPHIPODA														
Unidentified/juvenile amphipod									89	133				
<i>Atylus tridens</i>								222						
<i>Dexamonica reduncans</i>								44		222				

Appendix 8.5-1 Marine Benthos Taxonomic Results, 1998

Station Date	Hope Bay Stn 3 21-Jul-98							Roberts Bay Stn 1 20-Jul-98					
	Animal Density (animals/m ²)							Animal Density (animals/m ²)					
Depth (m)	3.7	3.7	3.7					15.5	15.5	16.5			
Sample Number	98188	98189	98190					98191	98192	98193			
Replicate	1	2	3	Avg.	Std. Error	%		1	2	3	Avg.	Std. Error	%
<i>Orchomene</i> sp								267	89	44			
<i>Paramoera</i> sp								44		44			
<i>Ponotoporeia femorata</i>								4	44	889			
<i>Westwoodilla caecula</i>									44				
SUM:	0	0	0	0	0	0		582	267	1333	727	316	4
HYDRACARINA													
Unidentified/juvenile Hydracarina													
<i>Lebertia</i> sp													
<i>Neumannia</i> sp		44											
<i>Sperchon</i> sp													
SUM:	0	44	0	15	15	1		0	0	0	0	0	0
COLLEMBOLA													
<i>Podura</i> sp	A												
SUM:	0	0	0	0	0	0		0	0	0	0	0	0
HYMENOPTERA													
Formicidae	A												
Thysanoptera	A												
SUM:	0	0	0	0	0	0		0	0	0	0	0	0
DIPTERA													
Culicidae	A												
Muscidae?	P												
Chironomidae	L*												
Chironomidae	P								44				
Tanypodinae													
<i>Procladius</i> sp	L												
<i>Tanytarsini</i>													
<i>Rheotanytarsus</i> sp	L												
Chironomini													
<i>Chironomus</i> sp	L	89											
<i>Phaenopsectra</i> sp	L												
<i>Polypedium (Polypedium)</i> sp	L												
Orthocladinae													
<i>Cricotopus</i> sp	L												
<i>Eukiefferiella</i> sp	L												
<i>Monodiamesa</i> sp	L												
<i>Saetheria</i> sp	L												
<i>Stilocladus</i> sp	L												
<i>Thienemanniella</i> sp	L												
SUM:		89	0	0	30	30	1	0	44	0	15	15	0
ECHINODERMATA													
Echinoidea									44				
<i>Strongylocentrotus droebachiensis</i>													
Holothuroidea Unid Dam													
Ophiuroidea Unid dam										133			
SUM:		0	0	0	0	0	0	44	0	133	59	39	0
GASTROPODA													
<i>Haminoe (vesicula?)</i>								356	133	756			
<i>Renusa obtusa</i>								178	89	133			
<i>Tachyrhynchus erosus</i>									44	356			
SUM:		0	0	0	0	0	0	533	267	1244	681	292	4
BIVALVIA													
Unidentified/juveniles								178	1733	533			
<i>Astarte subequilata</i>								222	178	356			
<i>Astarte borealis</i>								44	89				
<i>Axinopsida serricata</i>									44	89			
<i>Crenella faba</i>								44					
<i>Limopsis</i> sp										89			
<i>cf Lyonsia</i> sp									44				
<i>Macoma inquinata</i>		133							356	178			
<i>Musculus discors</i>									133	178			
<i>Thyasira cf flexuosa</i>								44	89				
<i>Yoldia myalis</i>								44		89			
SUM:		133	0	0	44	44	2	578	2667	1511	1585	604	8
Sum of Avg.: 2498								Sum of Avg.: 19451					
TOTAL (animals/m ²):		4967	1944	582	2498	1296	100	16093	14956	27305	19451	3941	100

Note: Taxa with the designation of indicate that positive identification could not be made and that it is unlikely that these taxa have been identified correctly

Appendix 8.5-1
Marine Benthos Taxonomic Results, 1998

Station	Roberts Bay Stn 3							Roberts Bay Stn 5						
Date	20-Jul-98							21-Jul-98						
	Animal Density (animals/m ²)							Animal Density (animals/m ²)						
Depth (m)	10.4	10.4	10.4					1.2	1.2	1.2				
Sample Number	98194	98195	98196					98197	98198	98199				
Replicate	Stage	1	2	3	Avg.	Std. Error	%	1	2	3	Avg.	Std. Error	%	
CNIDARIA														
Unidentified Cnidaria		44		44						44				
SUM:		44	0	44	30	15	0	0	0	44	15	15	1	
NEMATODA		267						133		44				
SUM:		267	0	0	89	89	1	133	0	44	59	39	5	
NEMERTEA														
Probably <i>Micrura</i> sp														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	
PRIAPULIDAE														
<i>Priapulus caudata</i>														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	
OLIGOCHAETA														
Enchytraeidae								89	44					
SUM:		0	0	0	0	0	0	89	44	0	44	26	4	
HIRUDINEA														
Piscicolidae?														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	
POLYCHAETA														
Unidentified/juvenile polychaete														
<i>Amphisamytha</i> sp														
<i>Aricidea lopezi</i>			44											
<i>Autolytus</i> sp									44					
<i>Cirratulidae</i> dam		1511	12	533										
<i>Cossura cf longocirrata</i>		178		44										
<i>Eteone longa</i>														
Flabelligeridae (Brada sp?)		89	44	89										
<i>Laonice cf cirrata</i>			44					44	178					
<i>Leitoscoloplos pugettensis</i>		889	667	122					89					
<i>Lumbrinereis cf fragilis</i>														
Maldanidae (Euclymenininae)														
<i>Mediomastus</i> sp		133	44	44										
<i>Nephtys ciliata</i>														
<i>Nephtys cornuta</i>		644	2133	4622				667						
<i>Paraonella spinifera</i>		578	222	178										
<i>Pectinaria granulata</i>														
<i>Pholoe minuta</i>								44						
Polynoidae dam		44		133										
Spionidae, prob <i>Prionospio</i> sp														
SUM:		4067	3212	5767	4348	751	50	756	311	0	356	219	32	
COPEPODA														
Harpacticoida								44						
SUM:		0	0	0	0	0	0	44	0	0	15	15	1	
OSTRACODA														
Unidentified ostracod														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	
ISOPODA														
Unidentified/juvenile isopod														
<i>Janiropsis</i> sp., prob <i>J. kincaidi</i>														
<i>Saduria entomon</i>			44					89		44				
SUM:		0	44	0	15	15	0	89	0	44	44	26	4	
CUMACEA														
<i>Bathycuma</i> sp														
<i>Diastylis cf abbotti</i>		311	444	978				89						
<i>Leucon</i> sp														
SUM:		0	444	978	474	283	5	0	0	0	0	0	0	
TANAIDACEA														
<i>Leptognathia gracilis</i>														
SUM:		0	0	0	0	0	0	0	0	0	0	0	0	
AMPHIPODA														
Unidentified/juvenile amphipod		133	44	44										
<i>Atylus tridens</i>														
<i>Dexamonica reduncans</i>														

Appendix 8.5-1 Marine Benthos Taxonomic Results, 1998

Station Date		Roberts Bay Stn 3 20-Jul-98						Roberts Bay Stn 5 21-Jul-98					
		Animal Density (animals/m ²)			Avg.	Std. Error	%	Animal Density (animals/m ²)			Avg.	Std. Error	%
Depth (m)	Sample Number	10.4	10.4	10.4				1.2	1.2	1.2			
Replicate		98194	98195	98196				98197	98198	98199			
	Stage	1	2	3				1	2	3			
<i>Orchomene</i> sp													
<i>Paramoera</i> sp													
<i>Ponoporeia femorata</i>		2222	2444	3778				178					
<i>Westwoodilla caecula</i>													
SUM:		2356	2489	3822	2889	468	33	178	0	0	59	59	5
HYDRACARINA													
Unidentified/juvenile Hydracarina													
<i>Lebertia</i> sp													
<i>Neumannia</i> sp													
<i>Sperchon</i> sp													
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
COLLEMBOLA													
<i>Podura</i> sp	A												
SUM:		0	0	0	0	0	0	0	0	0	0	0	0
HYMENOPTERA													
Formicidae	A												
Thysanoptera	A									44			
SUM:		0	0	0	0	0	0	0	0	44	15	15	1
DIPTERA													
Culicidae	A												
Muscidae?	P									44			
Chironomidae	L*								44				
Chironomidae	P									44			
Tanypodinae									44				
<i>Procladius</i> sp	L												
Tanytarsini													
<i>Rheotanytarsus</i> sp	L												
Chironomini													
<i>Chironomus</i> sp	L												
<i>Phaenopsectra</i> sp	L												
<i>Polypedilum (Polypedilum)</i> sp	L												
Orthocladiinae													
<i>Cricotopus</i> sp	L												
<i>Eukiefferiella</i> sp	L												
<i>Monodiamesa</i> sp	L												
<i>Saetheria</i> sp	L												
<i>Stilocladus</i> sp	L												
<i>Thienemanniella</i> sp	L												
SUM:		0	0	0	0	0	0	0	89	89	59	30	5
ECHINODERMATA													
Echinoidea													
<i>Strongylocentrotus droebachiensis</i>													
Holothuroidea Unid Dam		44		44									
Ophiuroidea Unid dam													
SUM:		44	0	44	30	15	0	0	0	0	0	0	0
GASTROPODA													
<i>Haminoe (vesicula?)</i>		133	133	178									
<i>Retusa obtusa</i>													
<i>Tachyrhynchus erosus</i>													
SUM:		133	133	178	148	15	2	0	0	0	0	0	0
BIVALVIA													
Unidentified/juveniles		222	44	44				133					
<i>Astarte subequilatera</i>		222	533	267									
<i>Astarte borealis</i>													
<i>Axinopsida serricata</i>													
<i>Crenella faba</i>													
<i>Limopsis</i> sp													
<i>cf Lyonsia</i> sp													
<i>Macoma inquinata</i>		89	44	89				1156	44				
<i>Musculus discors</i>													
<i>Thyasira cf flexuosa</i>													
<i>Yoldia myalis</i>		89	178	44									
SUM:		622	800	444	622	103	7	133	1156	44	444	356	40
					Sum of Avg.:	8645					Sum of Avg.:	1111	
TOTAL (animals/m ²):		7533	7123	11278	8645	1322	100	1422	1600	311	1111	403	100

Note: Taxa with the designation of L indicate that positive identification could not be made and that it is unlikely that these taxa have been identified correctly

Appendix 9-1
Key to Fish and Habitat Codes

Appendix 9-1
Key to Fish and Habitat Codes

Code	Common Name	Binomial
ARGR	Arctic grayling	<i>Thymallus arcticus</i>
GRCD	Greenland cod	<i>Gadus ogac</i>
LKCS	lake cisco	<i>Coregonus artedi</i>
LKTR	lake Trout	<i>Salvelinus namaycush</i>
LKWH	lake whitefish	<i>Coregonus clupeaformis</i>
NNST	ninespine stickleback	<i>Pungitius pungitius</i>
SLSC	slimy sculpin	<i>Cottus cognatus</i>

Appendix 9-2
Raw Data for Fishes captured in Pelvic lake, 1998

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
15-Aug-98	1	GN	DT/NP	1	LKTR	873	6600				3	Yellow 245	LPC	N	
15-Aug-98	1	GN	DT/NP	2	LKCS	260	295				3		LPC	N	
15-Aug-98	1	GN	DT/NP	3	LKCS	310	300				3	Yellow 246	LPC	N	
15-Aug-98	1	GN	DT/NP	4	LKCS	224	122						LPC	N	
15-Aug-98	1	GN	DT/NP	5	LKCS	301	324				3	Yellow 247	LPC	N	
15-Aug-98	1	GN	DT/NP	6	LKCS	195	84				3		LPC	N	
15-Aug-98	1	GN	DT/NP	7	LKCS	212	108	2	1	1	1,3			N	mauled by LKTR (1)
15-Aug-98	1	GN	DT/NP	8	LKCS	249	184	1	1	1	1,3			N	
15-Aug-98	1	GN	DT/NP	9	LKWH	260	234	2	1	1	1,3			N	
15-Aug-98	1	GN	DT/NP	10	LKWH	261	200				1,3			N	
15-Aug-98	2	GN	DT/NP	11	LKCS	223	104				3		LPC	N	
15-Aug-98	2	GN	DT/NP	12	LKCS	280	208				3		LPC	N	
15-Aug-98	2	GN	DT/NP	13	LKWH	275	232				3		LPC	N	
15-Aug-98	2	GN	DT/NP	14	LKCS	290	240	1	2	2	1,3			N	
15-Aug-98	2	GN	DT/NP	15	LKCS	277	216	2	2	2	1,3			N	
15-Aug-98	2	GN	DT/NP	16	LKCS	181	58	1	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	17	LKCS	184	68	1	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	18	LKCS	275	226	2	2	2	1,3			N	
15-Aug-98	2	GN	DT/NP	19	LKCS	202	92	2	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	20	LKCS	209	96	2	2	2	1,3			N	
15-Aug-98	2	GN	DT/NP	21	LKCS	167	28	2	2	3	1,3			N	poss. least.
15-Aug-98	2	GN	DT/NP	22	LKCS	285	200	1	2	2	1,3			N	
15-Aug-98	2	GN	DT/NP	23	LKCS	284	224	1	2	2	1,3			N	
15-Aug-98	2	GN	DT/NP	24	LKCS	200	76	1	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	25	LKWH	237	142	1	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	26	LKWH	223	130	2	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	27	LKWH	278	250	2	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	28	LKWH	381	676	2	2	1	1,3			N	
15-Aug-98	2	GN	DT/NP	29	LKWH	341	512	1	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	30	LKWH	370	650	2	2	3	1,3			N	
15-Aug-98	2	GN	DT/NP	31	LKWH	411	954	2	2	3	1,3			N	
15-Aug-98	2	GN	DT/NP	32	LKWH	410	876	1	1	1	1,3			N	
15-Aug-98	2	GN	DT/NP	33	LKWH	379	714	2	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	34	LKWH	260	194				3		LPC	N	
15-Aug-98	3	GN	DT/NP	35	LKWH	291	306				3	Yellow 248	LPC	N	
15-Aug-98	3	GN	DT/NP	36	LKWH	302	336				3		LPC	N	
15-Aug-98	3	GN	DT/NP	37	LKCS	150	172	2	2	3	1,3			N	
15-Aug-98	3	GN	DT/NP	38	LKCS	281	212	2	2	3	1,3			N	
15-Aug-98	3	GN	DT/NP	39	LKCS	322	220	1	2	3	1,3			N	
15-Aug-98	3	GN	DT/NP	40	LKCS	286	236	1	2	3	1,3			N	
15-Aug-98	3	GN	DT/NP	41	LKCS	252	166	1	2	2	1,3			N	
15-Aug-98	3	GN	DT/NP	42	LKCS	291	274	1	2	3	1,3			N	
15-Aug-98	3	GN	DT/NP	43	LKCS	271	180	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	44	LKCS	220	102	2	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	45	LKCS	218	116	2	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	46	LKCS	205	96	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	47	LKCS	216	108	2	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	48	LKCS	172	50	1	2	3	1,3			N	poss. least.
15-Aug-98	3	GN	DT/NP	49	LKCS	206	94	2	1	1	1,3			N	

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
15-Aug-98	3	GN	DT/NP	50	LKCS	206	108	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	51	LKWH	224	148	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	52	LKWH	223	134	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	53	LKWH	233	154	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	54	LKWH	155	52	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	55	LKWH	161	56	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	56	LKWH	230	168	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	57	LKWH	252	178	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	58	LKWH	241	170	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	59	LKWH	227	144	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	60	LKWH	164	50	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	61	LKWH	173	62	2	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	62	LKWH	160	52		1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	63	LKWH	399	698	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	64	LKWH	377	732	1	2	2	1,3			N	
15-Aug-98	3	GN	DT/NP	65	LKWH	395	816	2	2	2	1,3			N	
15-Aug-98	3	GN	DT/NP	66	LKWH	365	612	1	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	67	LKWH	381	734	2	2	3	1,3			N	
15-Aug-98	3	GN	DT/NP	68	LKWH	316	412	2	1	1	1,3			N	
15-Aug-98	3	GN	DT/NP	69	LKTR	458	1010	2	2	3	1,3			N	stomach empty
15-Aug-98	3	GN	DT/NP	70	LKTR	430	1102	1	2	3	1,3			N	stomach empty
15-Aug-98	3	GN	DT/NP	71	LKTR	457	982	2	2	1	1,3			N	stomach empty
15-Aug-98	3	GN	DT/NP	72	LKTR	753	4250	1	2	3	1,3			N	headless
15-Aug-98	3	GN	DT/NP	73	LKCS									N	
15-Aug-98	4	GN	DT/NP	74	LKCS	205	88	2	2	3				N	
15-Aug-98	4	GN	DT/NP	75	LKCS	196	84	1	2	3				N	
15-Aug-98	4	GN	DT/NP	76	LKCS	197	94	2	2	3				N	
15-Aug-98	4	GN	DT/NP	77	LKCS	190	88	1	2	3				N	
15-Aug-98	4	GN	DT/NP	78	LKCS	201	104	2	2	3				N	
15-Aug-98	4	GN	DT/NP	79	LKCS	200	94	2	2	3				N	
15-Aug-98	4	GN	DT/NP	80	LKCS	204	102	2	2	3				N	
15-Aug-98	4	GN	DT/NP	81	LKCS	207	106	1	2	3				N	
15-Aug-98	4	GN	DT/NP	82	LKCS	199	94	2	1	1				N	
15-Aug-98	4	GN	DT/NP	83	LKCS	200	118	1	1	1				N	
15-Aug-98	4	GN	DT/NP	84	LKCS	178	84	1	2	3				N	
15-Aug-98	4	GN	DT/NP	85	LKCS	208	122	2	2	3				N	
15-Aug-98	4	GN	DT/NP	86	LKCS	183	94	2	2	3				N	
15-Aug-98	4	GN	DT/NP	87	LKCS	202	110	1	2	3				N	
15-Aug-98	4	GN	DT/NP	88	LKCS	205	114	2	2	3				N	
15-Aug-98	4	GN	DT/NP	89	LKCS	204	124	2	2	3				N	
15-Aug-98	4	GN	DT/NP	90	LKCS	198	108	2	2	3				N	
15-Aug-98	4	GN	DT/NP	91	LKCS	178	54	1	2	3				N	
15-Aug-98	4	GN	DT/NP	92	LKCS	221	84	2	1	1				N	
15-Aug-98	4	GN	DT/NP	93	LKCS	195	74	2	2	3				N	
15-Aug-98	4	GN	DT/NP	94	LKCS	206	80	1	2	3				N	
15-Aug-98	4	GN	DT/NP	95	LKCS	204	78	1	2	3				N	
15-Aug-98	4	GN	DT/NP	96	LKCS	245	142							N	
15-Aug-98	4	GN	DT/NP	97	LKCS	293	258	2	2	2				N	
15-Aug-98	4	GN	DT/NP	98	LKCS	232	134	2	2	3				N	

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
15-Aug-98	4	GN	DTNP	99	LKCS	236	128	2	2	3				N	
15-Aug-98	4	GN	DTNP	100	LKCS	208	82	2	2	3				N	
15-Aug-98	4	GN	DTNP	101	LKCS	197	64	2	1	1				N	
15-Aug-98	4	GN	DTNP	102	LKCS	220	112	2	1	1				N	
15-Aug-98	4	GN	DTNP	103	LKCS	196	78	1	2	3				N	
15-Aug-98	4	GN	DTNP	104	LKCS	203	86	2	2	3				N	
15-Aug-98	4	GN	DTNP	105	LKCS	310	368	1	2	3			LPC	N	
15-Aug-98	4	GN	DTNP	106	LKCS	283	234	2	2	2			LPC	N	
15-Aug-98	4	GN	DTNP	107	LKCS	280	276	2	2	3			LPC	N	
15-Aug-98	4	GN	DTNP	108	LKCS	270	214	2	2	3			LPC	N	
15-Aug-98	4	GN	DTNP	109	LKCS	208	90	2	2	3			LPC	N	
15-Aug-98	4	GN	DTNP	110	LKWH	409	910	2	2	1			LPC	N	
15-Aug-98	4	GN	DTNP	111	LKWH	400	878	2	2	2			LPC	N	
15-Aug-98	4	GN	DTNP	112	LKWH	382	676	1	1	1			LPC	N	
15-Aug-98	4	GN	DTNP	113	LKWH	407	824	1	2	1			LPC	N	
15-Aug-98	4	GN	DTNP	114	LKTR	623	2550	2	2	1			LPC	N	stomach 10% fish
16-Aug-98	6	GN	DTNP	115	LKWH	345	500					Yellow 249	LPC	N	
16-Aug-98	6	GN	DTNP	116	LKWH	322	410					Yellow 250	LPC	N	
16-Aug-98	6	GN	DTNP	117	LKWH	385	750						LPC	N	
16-Aug-98	6	GN	DTNP	118	LKWH	385	710					Yellow 350	LPC	N	
16-Aug-98	6	GN	DTNP	119	LKWH	370	706					Yellow 349	LPC	N	
16-Aug-98	6	GN	DTNP	120	LKWH	298	310							N	
16-Aug-98	6	GN	DTNP	121	LKWH	232	325	1	1	1				N	
16-Aug-98	6	GN	DTNP	122	LKWH	300	314	2	1	1				N	
16-Aug-98	6	GN	DTNP	123	LKWH	306	345	2	1	1				N	
16-Aug-98	6	GN	DTNP	124	LKCS	220	100	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	125	LKCS	197	82	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	126	LKCS	192	70	2	2	3			LPC	N	
16-Aug-98	6	GN	DTNP	127	LKCS	202	66	2	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	128	LKCS	171	52	2	2	3			LPC	N	
16-Aug-98	6	GN	DTNP	129	LKCS	186	64	2	2	3			LPC	N	
16-Aug-98	6	GN	DTNP	130	LKCS	290	222	2	2	2			LPC	N	
16-Aug-98	6	GN	DTNP	131	LKCS	300	298	2	2	2			LPC	N	
16-Aug-98	6	GN	DTNP	132	LKCS	323	420	2	2	3			LPC	N	
16-Aug-98	6	GN	DTNP	133	LKWH	245	172	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	134	LKWH	164	54	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	135	LKWH	215	120	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	136	LKWH	248	180	2	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	137	LKWH	262	220	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	138	LKWH	172	60	1	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	139	LKWH	228	148	2	1	1			LPC	N	
16-Aug-98	6	GN	DTNP	140	LKWH	370	722	2	2	3			LPC	N	
16-Aug-98	6	GN	DTNP	141	LKWH	383	698	2	2	2			LPC	N	
16-Aug-98	6	GN	DTNP	142	LKWH	382	748	2	2	2			LPC	N	
16-Aug-98	6	GN	DTNP	143	LKWH	381	754	1	2	3			LPC	N	
16-Aug-98	6	GN	DTNP	144	LKTR	667	2800	2	2	2			LPC	N	30% LKCS
16-Aug-98	6	GN	DTNP	145	LKTR	650	3000	2	2	3			LPC	N	stomach empty
16-Aug-98	7	GN	DTNP	146	LKWH	420	1060					Yellow 347, 348	LPC	N	
16-Aug-98	7	GN	DTNP	147	LKWH	415	860					Yellow 346	LPC	N	

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sample	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
16-Aug-98	7	GN	DT/NP	148	LKWH	388	700					3	Yellow 345	LPC	N	
16-Aug-98	7	GN	DT/NP	149	LKWH	415	840					3	Yellow 344	LPC	N	
16-Aug-98	7	GN	DT/NP	150	LKWH	302	330					3	Yellow 342	LPC	N	
16-Aug-98	7	GN	DT/NP	151	LKWH	245	180					3		LPC	N	
16-Aug-98	7	GN	DT/NP	152	LKWH	297	320					3		LPC	N	
16-Aug-98	7	GN	DT/NP	153	LKWH	253	200					3		LPC	N	
16-Aug-98	7	GN	DT/NP	154	LKWH	230	150	1	1		1				N	
16-Aug-98	7	GN	DT/NP	155	LKWH	223	134	2	1		1				N	
16-Aug-98	7	GN	DT/NP	156	LKWH	228	158	2	1		1				N	
16-Aug-98	7	GN	DT/NP	157	LKWH	261	234	2	1		1				N	
16-Aug-98	7	GN	DT/NP	158	LKWH	250	216	1	1		1				N	
16-Aug-98	7	GN	DT/NP	159	LKWH	236	180	1	1		1				N	
16-Aug-98	7	GN	DT/NP	160	LKWH	237	166	2	1		1				N	
16-Aug-98	7	GN	DT/NP	161	LKWH	226	142	1	1		1				N	
16-Aug-98	7	GN	DT/NP	162	LKWH	252	198	1	1		1				N	
16-Aug-98	7	GN	DT/NP	163	LKCS	202	98	2	1		1				N	
16-Aug-98	7	GN	DT/NP	164	LKCS	224	126	1	1		1				N	
16-Aug-98	7	GN	DT/NP	165	LKCS	288	328	2	2		2				N	
16-Aug-98	7	GN	DT/NP	166	LKCS	223	130	1	1		1				N	
16-Aug-98	7	GN	DT/NP	167	LKCS	213	120	1	1		1				N	
16-Aug-98	7	GN	DT/NP	168	LKCS	192	92	2	2		3				N	
16-Aug-98	7	GN	DT/NP	169	LKCS	180	62	2	2		3				N	
16-Aug-98	7	GN	DT/NP	170	LKCS	173	44	2	2		3				N	
16-Aug-98	7	GN	DT/NP	171	LKCS	213	96	1	1		1				N	
16-Aug-98	7	GN	DT/NP	172	LKCS	170	62	1	1		1				N	
16-Aug-98	7	GN	DT/NP	173	LKCS	183	72	2	2		3				N	
16-Aug-98	7	GN	DT/NP	174	LKCS	168	44	2	2		3				N	
16-Aug-98	7	GN	DT/NP	175	LKCS	183	52	2	2		2				N	
16-Aug-98	7	GN	DT/NP	176	LKCS	163	48	1	2		3				N	
16-Aug-98	7	GN	DT/NP	177	LKCS	162	44	1	2		3				N	
16-Aug-98	7	GN	DT/NP	178	LKWH	160	54	1	1		1				N	
16-Aug-98	7	GN	DT/NP	179	LKWH	167	54	1	1		1				N	
16-Aug-98	7	GN	DT/NP	180	LKWH	167	54	1	1		1				N	
16-Aug-98	7	GN	DT/NP	181	LKWH	160	52	1	1		1				N	
16-Aug-98	7	GN	DT/NP	182	LKWH	406	806	1	2		3				N	
16-Aug-98	7	GN	DT/NP	183	LKWH	386	722	2	2		2				N	
16-Aug-98	7	GN	DT/NP	184	LKTR	435	952	1	2		3				N	
16-Aug-98	7	GN	DT/NP	185	LKTR	435	856	1	1		1				N	
16-Aug-98	7	GN	DT/NP	186	LKWH	315	338	3					Yellow 342	LPC	N	stomach empty
16-Aug-98	8	GN	DT/NP	187	LKWH	228	120							LPC	N	stomach empty
16-Aug-98	8	GN	DT/NP	188	LKWH	258	198							LPC	N	
16-Aug-98	8	GN	DT/NP	189	LKWH	158	54							LPC	N	
16-Aug-98	8	GN	DT/NP	190	LKWH	196	84							LPC	N	
16-Aug-98	8	GN	DT/NP	191	LKCS	183	74							LPC	N	
16-Aug-98	8	GN	DT/NP	192	LKWH	387	760						Yellow 341	LPC	N	
16-Aug-98	9	GN	DT/NP	193	LKWH	411	800						Yellow 340	LPC	N	
16-Aug-98	9	GN	DT/NP	194	LKWH	410	820						Yellow 339	LPC	N	
16-Aug-98	9	GN	DT/NP	195	LKCS	282	234							LPC	N	
16-Aug-98	9	GN	DT/NP	196	LKWH	297	290							LPC	N	

mauled by LKTR

stomach empty
stomach empty

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Stat.	Repr.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
16-Aug-98	9	GN	DT/NP	197	LKCS	177	60					3		LPC	N	
16-Aug-98	9	GN	DT/NP	198	LKWH	166	52	1	1	1					N	
16-Aug-98	9	GN	DT/NP	199	LKWH	407	780	1	2	1					N	
16-Aug-98	9	GN	DT/NP	200	LKCS	248	162	1	2	2					N	
16-Aug-98	9	GN	DT/NP	201	LKCS	187	82	1	1	1					N	
16-Aug-98	9	GN	DT/NP	202	LKCS	166	42	1	2	3					N	
16-Aug-98	9	GN	DT/NP	203	LKCS	179	70	2	2	3					N	
16-Aug-98	9	GN	DT/NP	204	LKTR	442	964	1	1	1		1,3		LPC	N	100% full stomach (3 LKCS) stomach empty
16-Aug-98	9	GN	DT/NP	205	LKTR	456	1062	2	1	1		1,3		LPC	N	
16-Aug-98	9	GN	DT/NP	206	LKWH	420	880					3	Yellow 338	LPC	N	
16-Aug-98	10	GN	DT/NP	207	LKWH	380	700					3	Yellow 337	LPC	N	
16-Aug-98	10	GN	DT/NP	208	LKWH	403	900					3	Yellow 336	LPC	N	
16-Aug-98	10	GN	DT/NP	209	LKWH	345	500					3	Yellow 335	LPC	N	
16-Aug-98	10	GN	DT/NP	210	LKWH	286	265					3		LPC	N	
16-Aug-98	10	GN	DT/NP	211	LKWH	233	140					3		LPC	N	
16-Aug-98	10	GN	DT/NP	212	LKWH	225	134					3		LPC	N	
16-Aug-98	10	GN	DT/NP	213	LKWH	380	700	2	2	2					N	
16-Aug-98	10	GN	DT/NP	214	LKWH	231	140	2	1	1					N	
16-Aug-98	10	GN	DT/NP	215	LKWH	260	180	1	1	1					N	
16-Aug-98	10	GN	DT/NP	216	LKWH	253	160	1	1	1					N	
16-Aug-98	10	GN	DT/NP	217	LKWH	177	58	1	1	1					N	headless
16-Aug-98	10	GN	DT/NP	218	LKCS										N	
16-Aug-98	10	GN	DT/NP	219	LKCS	183	72	1	1	1					N	
16-Aug-98	10	GN	DT/NP	220	LKCS	312	360	2	2	3					N	
16-Aug-98	10	GN	DT/NP	221	LKCS	292	276	2	2	3					N	
16-Aug-98	10	GN	DT/NP	222	LKCS	248	170	1	1	1					N	
17-Aug-98	11	GN	DT/NP	223	LKTR	915	8600							LPC	N	
17-Aug-98	11	GN	DT/NP	224	LKWH	405	722						Yellow 334	LPC	N	
17-Aug-98	11	GN	DT/NP	225	LKWH	370	680					3	Yellow 333	LPC	N	
17-Aug-98	11	GN	DT/NP	226	LKWH	404	824					3	Yellow 332	LPC	N	
17-Aug-98	11	GN	DT/NP	227	LKWH	405	840					3	Yellow 331	LPC	N	
17-Aug-98	11	GN	DT/NP	228	LKWH	321	420					3	Yellow 330	LPC	N	
17-Aug-98	11	GN	DT/NP	229	LKWH	287	270					3	Yellow 329	LPC	N	
17-Aug-98	11	GN	DT/NP	230	LKWH	227	130	2	1	1		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	231	LKWH	227	135	1	1	1		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	232	LKCS	190	68	1	2	3		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	233	LKCS	211	84	1	2	3		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	234	LKCS	198	88	1	1	1		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	235	LKCS	193	66	2	2	1		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	236	LKCS	157	36	1	2	3		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	237	LKCS	292	284	1	2	3		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	238	LKWH	293	289	1	2	3		1,3		LPC	N	
17-Aug-98	11	GN	DT/NP	239	LKWH	260	205	1	1	1		1,3		LPC	N	stomach empty
17-Aug-98	11	GN	DT/NP	240	LKTR	646	2850	1	2	3		1,3		LPC	N	100% full stomach (1 LKWH) - proces
17-Aug-98	12	GN	DT/NP	241	LKTR	520	1788	1	2	3		1,3		LPC	N	stomach 15% full
17-Aug-98	12	GN	DT/NP	242	LKTR	328	2425	2	2	1		1,3		LPC	N	stomach 50% full (2 LKCS)
17-Aug-98	12	GN	DT/NP	243	LKTR	694	3225	2	2	1		1,3		LPC	N	stomach empty
17-Aug-98	12	GN	DT/NP	244	LKTR	446	1028	2	2	3		1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	245	LKWH	362	600					3	Yellow 328	LPC	N	

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
17-Aug-98	12	GN	DT/NP	246	LKWH	251	182				3		LPC	N	
17-Aug-98	12	GN	DT/NP	247	LKWH	261	190				3		LPC	N	
17-Aug-98	12	GN	DT/NP	248	LKWH	283	230				3		LPC	N	
17-Aug-98	12	GN	DT/NP	249	LKWH	284	260				3		LPC	N	
17-Aug-98	12	GN	DT/NP	250	LKWH	290	280	1	1	1	1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	251	LKWH	285	272	1	1	1	1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	252	LKWH	233	144	2	1	1	1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	253	LKWH	219	134	2	1	1	1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	254	LKWH	211	120	1	1	1	1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	255	LKWH	160	62	1	1	1				N	
17-Aug-98	12	GN	DT/NP	256	LKWH	153	50	1	1	1				N	
17-Aug-98	12	GN	DT/NP	257	LKWH	214	106	2	1	1				N	
17-Aug-98	12	GN	DT/NP	258	LKWH	202	105	1	1	1				N	
17-Aug-98	12	GN	DT/NP	259	LKWH	281	266	2	1	1	1,3		LPC	N	
17-Aug-98	12	GN	DT/NP	260	LKWH	383	656	1	1	1				N	
17-Aug-98	12	GN	DT/NP	261	LKCS	162	40	2	2	3				N	
17-Aug-98	12	GN	DT/NP	262	LKCS	170	54	2	2	3				N	
17-Aug-98	12	GN	DT/NP	263	LKCS	183	60	1	2	3				N	
17-Aug-98	12	GN	DT/NP	264	LKCS	201	72	1	2	3				N	
17-Aug-98	12	GN	DT/NP	265	LKCS	195	78	2	2	3				N	
17-Aug-98	12	GN	DT/NP	266	LKCS	171	54	2	2	3				N	
17-Aug-98	12	GN	DT/NP	267	LKCS	173	52	2	2	3				N	
17-Aug-98	12	GN	DT/NP	268	LKCS	176	48	2	2	1				N	
17-Aug-98	12	GN	DT/NP	269	LKCS	163	46	2	2	3			LPC	N	
17-Aug-98	12	GN	DT/NP	270	LKWH	278	142					Yellow 327	LPC	N	
17-Aug-98	13	GN	DT/NP	271	LKWH	375	660				3		LPC	N	
17-Aug-98	13	GN	DT/NP	272	LKWH	288	280				3		LPC	N	
17-Aug-98	13	GN	DT/NP	273	LKWH	230	142				3		LPC	N	
17-Aug-98	13	GN	DT/NP	274	LKCS	170	48				3		LPC	N	
17-Aug-98	13	GN	DT/NP	275	LKCS	295	288				3		LPC	N	
17-Aug-98	13	GN	DT/NP	276	LKCS	182	66				3		LPC	N	
17-Aug-98	13	GN	DT/NP	277	LKCS	172	42				3		LPC	N	
17-Aug-98	13	GN	DT/NP	278	LKWH	231	142	1	1	1				N	
17-Aug-98	13	GN	DT/NP	279	LKWH	222	146	2	1	1				N	
17-Aug-98	13	GN	DT/NP	280	LKWH	215	124	1	1	1				N	
17-Aug-98	13	GN	DT/NP	281	LKWH	225	160	2	1	1				N	
17-Aug-98	13	GN	DT/NP	282	LKWH	167	56	1	1	1				N	
17-Aug-98	13	GN	DT/NP	283	LKWH	248	180	1	1	1				N	
17-Aug-98	13	GN	DT/NP	284	LKWH	278	252	1	1	1				N	
17-Aug-98	13	GN	DT/NP	285	LKWH	332	450	1	1	1				N	
17-Aug-98	13	GN	DT/NP	286	LKCS	200	52	2	2	3				N	
17-Aug-98	13	GN	DT/NP	287	LKCS	184	68	1	1	1				N	
17-Aug-98	13	GN	DT/NP	288	LKCS	176	56	2	2	3				N	
17-Aug-98	13	GN	DT/NP	289	LKCS	159	42	1	2	3				N	
17-Aug-98	13	GN	DT/NP	290	LKCS	175	48	2	2	3				N	
17-Aug-98	13	GN	DT/NP	291	LKCS	211	92	1	2	3				N	
17-Aug-98	13	GN	DT/NP	292	LKWH	403	880					Yellow 326	LPC	N	
17-Aug-98	14	GN	DT/NP	293	LKWH	362	610				3	Yellow 325	LPC	N	
17-Aug-98	14	GN	DT/NP	294	LKWH	425	1700				3	Yellow 324	LPC	N	

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
17-Aug-98	14	GN	DT/NP	295	LKWH	225	120						LPC	N	
17-Aug-98	14	GN	DT/NP	296	LKCS	192	56						LPC	N	
17-Aug-98	14	GN	DT/NP	297	LKWH	244	158	2	1	1				N	
17-Aug-98	14	GN	DT/NP	298	LKWH	266	220	1	1	1				N	
17-Aug-98	14	GN	DT/NP	299	LKWH	211								N	
17-Aug-98	14	GN	DT/NP	300	LKWH	175	66	1	1	1				N	
17-Aug-98	14	GN	DT/NP	301	LKWH	224	130	1	1	1				N	
17-Aug-98	14	GN	DT/NP	302	LKWH	234	160	1	1	1				N	
17-Aug-98	14	GN	DT/NP	303	LKWH	252	186	1	1	1				N	
17-Aug-98	14	GN	DT/NP	304	LKWH	262	226	1	1	1				N	
17-Aug-98	14	GN	DT/NP	305	LKWH	349	530	2	1	1				N	
17-Aug-98	14	GN	DT/NP	306	LKWH	260	208	2	1	1				N	
17-Aug-98	14	GN	DT/NP	307	LKWH	232	134	1	1	1				N	
17-Aug-98	14	GN	DT/NP	308	LKWH	230	152	2	1	1				N	
17-Aug-98	14	GN	DT/NP	309	LKWH	174	62	1	1	1				N	
17-Aug-98	14	GN	DT/NP	310	LKWH	168	56	1	1	1				N	
17-Aug-98	14	GN	DT/NP	311	LKCS	168	46	1	2	3				N	
17-Aug-98	14	GN	DT/NP	312	LKCS	208	106	2	1	1				N	
17-Aug-98	14	GN	DT/NP	313	LKWH	177	64	2	1	1				N	
17-Aug-98	14	GN	DT/NP	314	LKCS	174	52	1	2	3				N	
17-Aug-98	14	GN	DT/NP	315	LKCS	183	60	2	2	3				N	
17-Aug-98	14	GN	DT/NP	316	LKCS	174	56	2	2	3				N	
17-Aug-98	14	GN	DT/NP	317	LKCS	158	42	1	2	3				N	
17-Aug-98	14	GN	DT/NP	318	LKWH	407	880					Yellow 323	LPC	N	
17-Aug-98	15	GN	DT/NP	319	LKWH	323	750					Yellow 322	LPC	N	
17-Aug-98	15	GN	DT/NP	320	LKCS	337	480					Yellow 321	LPC	N	
17-Aug-98	15	GN	DT/NP	321	LKWH	390	790					Yellow 320	LPC	N	
17-Aug-98	15	GN	DT/NP	322	LKWH	347	554					Yellow 319	LPC	N	
17-Aug-98	15	GN	DT/NP	323	LKWH	320	376					Yellow 318	LPC	N	
17-Aug-98	15	GN	DT/NP	324	LKWH	252	182						LPC	N	
17-Aug-98	15	GN	DT/NP	325	LKWH	240	150						LPC	N	
17-Aug-98	15	GN	DT/NP	326	LKWH	285	284	1	1	1				N	
17-Aug-98	15	GN	DT/NP	327	LKWH	253	218	2	1	1				N	
17-Aug-98	15	GN	DT/NP	328	LKWH	218	110	1	1	1				N	
17-Aug-98	15	GN	DT/NP	329	LKWH	230	148	2	1	1				N	
17-Aug-98	15	GN	DT/NP	330	LKWH	227	136	1	1	1				N	
17-Aug-98	15	GN	DT/NP	331	LKWH	216	120	1	1	1				N	
17-Aug-98	15	GN	DT/NP	332	LKWH	217	110	1	1	1				N	
17-Aug-98	15	GN	DT/NP	333	LKWH	265	206	2	1	1				N	
17-Aug-98	15	GN	DT/NP	334	LKCS	211	92	1	2	2				N	
17-Aug-98	15	GN	DT/NP	335	LKTR	159	36	1	2	2				N	stomach empty
17-Aug-98	15	GN	DT/NP	336	LKTR	406	892	2	2	3				N	stomach empty
17-Aug-98	16	GN	DT/NP	337	LKTR	431	880	2	2	1				N	stomach 5% full (fish)
17-Aug-98	16	GN	DT/NP	338	LKTR	438	958	2	2	1				N	stomach 90% full (3 LKCS)
17-Aug-98	16	GN	DT/NP	339	LKTR	670	2990	1	2	3				N	
17-Aug-98	16	GN	DT/NP	340	LKTR	430	1014	1	2	3				N	
17-Aug-98	16	GN	DT/NP	341	LKTR	476	1150					Yellow 317	LPC	N	
17-Aug-98	16	GN	DT/NP	342	LKTR	415	830					Yellow 316	LPC	N	
17-Aug-98	16	GN	DT/NP	343	LKTR	517	1480					Yellow 315	LPC	N	

Appendix 9-2 Raw Data for Fishes Captured in Pelvic Lake, 1998

Date	Site Number	Sample Method	Sampling Crew	Sample Number	Species Code	FL (mm)	WT (g)	Sex	Mat.	Stat.	Repr.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
17-Aug-98	16	GN	DT/NP	344	LKTR	450	1000						Yellow 314	LPC	N	
17-Aug-98	16	GN	DT/NP	345	LKTR	460	980						Yellow 313	LPC	N	
17-Aug-98	16	GN	DT/NP	346	LKTR	435	980						Yellow 312	LPC	N	
17-Aug-98	16	GN	DT/NP	347	LKTR	438	920						Yellow 311	LPC	N	
17-Aug-98	16	GN	DT/NP	348	LKWH	418	900						Yellow 310	LPC	N	
17-Aug-98	16	GN	DT/NP	349	LKCS	467	236	1	2	3						
17-Aug-98	16	GN	DT/NP	350	LKCS	172	52	2	2	3						
17-Aug-98	16	GN	DT/NP	351	LKWH	160	50	1	1	1						
17-Aug-98	16	GN	DT/NP	352	LKCS	175	52	1	2	2						
17-Aug-98	16	GN	DT/NP	353	LKCS	195	58	1	2	2						
17-Aug-98	16	GN	DT/NP	354	LKCS	181	64	2	1	1						
17-Aug-98	16	GN	DT/NP	355	LKCS	190	56	2	2	2						
17-Aug-98	16	GN	DT/NP	356	LKCS	175	52	2	2	3						
17-Aug-98	16	GN	DT/NP	357	LKWH	236	154	2	1	1						
17-Aug-98	16	GN	DT/NP	358	LKCS	185	62	1	2	2						
17-Aug-98	16	GN	DT/NP	359	LKCS	135	290	2	2	2						
17-Aug-98	16	GN	DT/NP	360	LKCS	168	46	1	2	3						
17-Aug-98	16	GN	DT/NP	361	LKCS	204	70	1	2	3						
17-Aug-98	16	GN	DT/NP	362	LKCS	273	228	1	1	3						
17-Aug-98	16	GN	DT/NP	363	LKWH	217	126	1	1	1						
17-Aug-98	16	GN	DT/NP	364	LKCS	187	66	1	2	2						
17-Aug-98	16	GN	DT/NP	365	LKWH	172	60	1	1	1						
17-Aug-98	16	GN	DT/NP	366	LKCS	190	60	2	2	3						
17-Aug-98	16	GN	DT/NP	367	LKCS	180	50	2	2	3						
17-Aug-98	16	GN	DT/NP	368	LKCS	181	60	2	2	3						
17-Aug-98	16	GN	DT/NP	369	LKWH	374	678	2	2	2						
17-Aug-98	16	GN	DT/NP	370	LKWH	407	890	2	2	3						
17-Aug-98	16	GN	DT/NP	371	LKWH	403	800	1	2	2						
17-Aug-98	16	GN	DT/NP	372	LKWH	388	820	2	2	3						
17-Aug-98	16	GN	DT/NP	373	LKWH	399	910	2	2	3						
17-Aug-98	16	GN	DT/NP	374	LKWH	419	940	1	2	2						
17-Aug-98	16	GN	DT/NP	375	LKWH	382	710	1	2	2						
17-Aug-98	16	GN	DT/NP	376	LKWH	394	770	2	2	2						
17-Aug-98	16	GN	DT/NP	377	LKWH	354	560	2	1	1						
17-Aug-98	16	GN	DT/NP	378	LKWH	377	610	1	1	1						
17-Aug-98	16	GN	DT/NP	379	LKCS	198	78	2	2	3						
17-Aug-98	16	GN	DT/NP	380	LKWH	168	66	1	1	1						
17-Aug-98	16	GN	DT/NP	381	LKWH	275	262	1	1	1						
17-Aug-98	16	GN	DT/NP	382	LKWH	415	930	2	1	1						
17-Aug-98	16	GN	DT/NP	383	LKWH	367	40	1	1	1						
17-Aug-98	16	GN	DT/NP	384	LKWH	388	740	1	2	2						
17-Aug-98	16	GN	DT/NP	385	LKWH	383	690	2	1	1						
17-Aug-98	16	GN	DT/NP	386	LKWH	380	740	1	1	1						
17-Aug-98	16	GN	DT/NP	387	LKWH	380	700	2	1	1						
17-Aug-98	16	GN	DT/NP	388	LKWH	371	650	1	1	1						
17-Aug-98	16	GN	DT/NP	389	LKWH	380	700	1	2	2						
17-Aug-98	16	GN	DT/NP	390	LKTR	637	1600	2	2	1						stomach empty

Appendix 9-3
Raw Index Gill Net Data for Pelvic lake, 1998



Appendix 9-3
Raw Index Gill Net Data for Pelvic Lake, 1998

SITE ID #	Mesh Size	Set		Pulled		Effort (min)	All Species			Total #
		Date	Time	Date	Time		LKCS #	LKTR #	LKWH #	
1	1.5	15-Aug	10:05	15-Aug	11:00	55	7	1	2	10
2	1.5	15-Aug	10:10	15-Aug	11:35	85	13		10	23
3	1.5	15-Aug	10:15	15-Aug	12:25	130	14	4	21	39
4	1.5	15-Aug	14:05	15-Aug	15:15	70	37	1	4	42
5	1.5	15-Aug	2:15	15-Aug					gill net lost	
6	1.5	16-Aug	9:20	16-Aug	10:25	65	9	2	20	31
7	1.5	16-Aug	9:45	16-Aug	11:30	105	15	2	23	40
8	1.5	16-Aug	13:45	16-Aug	14:25	40	1		5	6
9	1.5	16-Aug	13:55	16-Aug	15:00	65	6	2	6	14
10	1.5	16-Aug	15:20	16-Aug	16:30	80	5		12	17
11	1.5	17-Aug	9:15	17-Aug	10:10	55	6	2	10	18
12	1.5	17-Aug	9:25	17-Aug	11:00	105	9	4	16	29
13	1.5	17-Aug	11:45	17-Aug	12:55	70	10		12	22
14	1.5	17-Aug	11:55	17-Aug	13:35	100	7		19	26
15	1.5	17-Aug	14:05	17-Aug	15:25	80	2	2	15	19
16	1.5	17-Aug	14:15	17-Aug	16:40	145	17	12	25	54
Total							158	32	200	390

Appendix 9-4
Analysis of Variance for a Log Weight/Log Fork
Length Regression of Pelvic Lake Fishes, 1998

Appendix 9-4
Analysis of Variance for a Log Weight/Log Fork Length
Regression of Pelvic Lake Fishes, 1998

LAKE CISCO

Analysis of Variance

Source of Variation	df	SS	MS	Fs	Significance F	R ²
Regression	1	10.4917	10.4917	2805.5741	P<0.001	0.9480
Residual	154	0.5759	0.0037			
Total	155	11.0676				

Regression Coefficients

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	-5.2195	0.1361	-38.3528	P<0.001	-5.4883	-4.9506
X Variable 1	3.1045	0.0586	52.9677	P<0.001	2.9887	3.2203

LAKE TROUT

Analysis of Variance

Source of Variation	df	SS	MS	Fs	Significance F	R ²
Regression	1	4.8731	4.8731	1321.3969	P<0.001	0.9778
Residual	30	0.1106	0.0037			
Total	31	4.9837				

Regression Coefficients

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	-4.7456	0.2172	-21.8478	P<0.001	-5.1892	-4.3020
X Variable 1	2.9169	0.0802	36.3510	P<0.001	2.7530	3.0808

LAKE WHITEFISH

Analysis of Variance

Source of Variation	df	SS	MS	Fs	Significance F	R ²
Regression	1	30.4086	30.4086	22917.4154	P<0.001	0.9915
Residual	197	0.2614	0.0013			
Total	198	30.6700				

Regression Coefficients

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	-5.0918	0.0497	-102.3986	P<0.001	-5.1898	-4.9937
X Variable 1	3.0734	0.0203	151.3850	P<0.001	3.0334	3.1134

Appendix 9-5
Habitat Units of the
Lower 25.5 km of the Koignuk River

Appendix 9-5
Habitat Units of the Lower 25.5 km of the Koignuk River

Unit No.	Reach	Habitat	Downstream km	Upstream km	Length km
1	1	F1	0.00	1.25	1.25
2	1	Sh	1.25	1.40	0.15
3	1	R2Rf	1.40	1.90	0.50
4	1	R1	1.90	2.50	0.60
5	1	Rf	2.50	2.60	0.10
6	1	R1	2.60	4.80	2.20
7	1	R3Rf	4.80	5.30	0.50
8	1	R2rf	5.30	6.15	0.85
9	1	R1	6.15	6.35	0.20
10	1	Rf	6.35	6.65	0.30
11	1	R1	6.65	7.05	0.40
12	1	R1Rf	7.05	7.25	0.20
13	1	R1	7.25	9.15	1.90
14	1	Rf	9.15	9.60	0.45
15	1	R1	9.60	9.85	0.25
16	1	Rf	9.85	9.95	0.10
17	1	R1	9.95	10.55	0.60
18	1	R3Rf	10.55	10.60	0.05
19	1	R1	10.60	11.05	0.45
20	1	R3Rf	11.05	11.30	0.25
21	1	R1	11.30	11.35	0.05
22	1	Ra	11.35	11.55	0.20
23	2	R1	11.55	11.70	0.15
24	2	P1	11.70	12.00	0.30
25	2	Ra	12.00	12.05	0.05
26	2	R1	12.05	12.50	0.45
27	2	Ra	12.50	12.55	0.05
28	2	R1	12.55	13.50	0.95
29	2	Ra	13.50	13.55	0.05
30	2	R1	13.55	13.85	0.30
31	2	Ra	13.85	13.90	0.05
32	2	R1	13.90	14.25	0.35
33	2	R3	14.25	14.30	0.05
34	2	R1	14.30	15.20	0.90
35	2	P2	15.20	15.45	0.25
36	2	P1	15.45	15.75	0.30
37	2	Ra	15.75	16.00	0.25
38	2	R2	16.00	16.20	0.20
39	2	R1	16.20	16.80	0.60
40	2	R3	16.80	17.00	0.20
41	2	R1	17.00	17.05	0.05
42	2	R3	17.05	17.15	0.10
43	2	R1	17.15	17.80	0.65
44	2	P2	17.80	18.05	0.25
45	2	R1Ra	18.05	18.45	0.40
46	2	P1	18.45	18.50	0.05
47	3	Fa	18.50	18.55	0.05
48	3	R2	18.55	19.20	0.65
49	3	R3	19.20	20.15	0.95
50	3	R2	20.15	21.20	1.05
51	3	Rf	21.20	21.95	0.75
52	3	R1	21.95	22.30	0.35
53	3	Rf	22.30	22.35	0.05
54	3	R1	22.35	22.85	0.50
55	3	Ra	22.90	22.95	0.05
56	3	R1	22.95	23.30	0.35
57	3	R3	23.30	23.75	0.45
58	3	BGRf	23.35	23.80	0.45
59	3	Fa	23.80	24.00	0.20
60	3	P3Ra	24.00	24.25	0.25
61	3	Ra	24.25	24.45	0.20
62	4	R1	24.45	25.05	0.60
63	4	Ra	25.05	25.50	0.45

Appendix 9-6
Raw Data for Fishes Captured
in the Koignuk River, 1998



Appendix 9-6 Raw Data for Fishes Captured in the Kolignuk River, 1998

Date	Site Number	Sample Method	Sample Crew	Sample Number	Species Code	FL (mm)	TL (mm)	WT (g)	Sex	Mat.	Stat.	Repr. Stat.	Aging Struct.	Tag No.	Fin Clips	Recap. (Y/N)	Comments
14-Aug-98	KR2	AN	DT, NP	1	LKTR												escaped (no measurements)
14-Aug-98	KR2	AN	DT, NP	2	LKTR	527		1680	0	0	0		3	Red 82, 83	LPC	N	
14-Aug-98	KR2	AN	DT, NP	3	GRCD		467	1180					3	Red 84	LPC	N	1st cod caught ever!
14-Aug-98	KR2	GN	DT, NP	4	LKWH	173		51	0	1	1					N	bagged (saved)
18-Aug-98	KR3	AN	DT, NP	10	LKTR	548		1870					3	Red 79	LPC	N	
18-Aug-98	KR3	AN	DT, NP	11	LKTR	420		780					3	Red 78	LPC	N	
18-Aug-98	KR3	AN	DT, NP	12	LKTR	480		1220					3	Red 77	LPC	N	
18-Aug-98	KR3	AN	DT, NP	13	ARGR	383		510					3	Red 76	LPC	N	
18-Aug-98	KR3	AN	DT, NP	14	LKTR	795		5850					3	Red 75	LPC	N	
18-Aug-98	KR3	AN	DT, NP	15	ARGR	293		280					3		LPC	N	
18-Aug-98	KR3	AN	DT, NP	16	LKTR	410		670					3	Red 908	LPC	N	
18-Aug-98	KR3	AN	DT, NP	17	LKTR	565		1970					3	Red 909	LPC	N	
18-Aug-98	KR3	AN	DT, NP	18	LKTR	510		1500					3		LPC	N	
18-Aug-98	KR3	AN	DT, NP	19	LKTR	491		1160					3	Red 910	LPC	N	
18-Aug-98	KR3	AN	DT, NP	20	ARGR	377		530					3	Red 911	LPC	N	
19-Aug-98	KR5	AN	DT, NP	21	ARGR	370		570					3	Red 912	LPC	N	