

## **Appendix 5 Taxonomic Identification Data (supplied by EcoAnalysts Inc.)**

This Page Left Intentionally Blank

WorleyParsons BC Marine Algae 2012  
Taxa Report



EcoAnalysts Sample ID	Location	Collection Date	Volume		Percent Counted	Taxon	Class	Order	Family	Genus	Number of Natural Units	Cells per Natural Unit	Total Number of Cells	Cells per mL (in sample received)	
			Received (mL)											Cells/ sample	sample received)
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnantheaceae	Achnanthes	34.00	1.00	34.00	1516117.06	30322.34	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	27.00	1.00	27.00	1203975.31	24079.51	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Diploneis spp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	38.00	1.00	38.00	1694483.77	33889.68	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Leptolyngbya sp.	Myxophyceae	Oscillatorial	Pseudanabaenaceae	Leptolyngbya	1.00	12.00	12.00	535100.14	10702.00	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	47.00	1.00	47.00	2095808.88	41916.18	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	51.00	1.00	51.00	2274175.59	45483.51	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Rhopalodia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Rhopalodia	41.00	1.00	41.00	1828258.81	36565.18	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Fragilaria spp.	Bacillariophyceae	Pennales	Fragilariaceae	Fragilaria	2.00	2.00	4.00	178366.71	3567.33	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	4.00	5.25	21.00	936425.24	18728.50	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	20.00	1.00	20.00	891833.57	17836.67	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloiaceae	Mastogloia	32.00	1.00	32.00	1426933.70	28538.67	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Undetermined Centric	Bacillariophyceae	Centrales	(Undetermined)	Undetermined Pe	1.00	1.00	1.00	44591.68	891.83	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	4.00	1.00	4.00	178366.71	3567.33	
6170.1-1	HS-002NEWMMLL-31072012	31-Jul-12	50mL	0.00224%	Oscillatoria sp.	Myxophyceae	Oscillatorial	Oscillatoriaceae	Oscillatoria	1.00	9.00	9.00	401325.10	8026.50	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	4.00	1.00	4.00	63200.80	1264.02	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	1.00	1.00	1.00	15800.20	316.00	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Coscinodiscus sp.	Bacillariophyceae	Centrales	Coscinodisceae	Coscinodiscus	1.00	1.00	1.00	15800.20	316.00	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Cymbella spp.	Bacillariophyceae	Pennales	Cymbellaceae	Cymbella	1.00	1.00	1.00	15800.20	316.00	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Fragilaria spp.	Bacillariophyceae	Pennales	Fragilariaceae	Fragilaria	1.00	2.00	2.00	31600.40	632.01	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	33.00	1.00	33.00	521406.63	10428.13	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloiaceae	Mastogloia	2.00	1.00	2.00	31600.40	632.01	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	18.00	1.94	35.00	553007.03	11060.14	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	6.00	1.00	6.00	94801.21	1896.02	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	17.00	1.00	17.00	268603.42	5372.07	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	4.00	1.00	4.00	63200.80	1264.02	
6170.1-2	HS-10001-31072012	31-Jul-12	50mL	0.00633%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	4.00	1.00	4.00	63200.80	1264.02	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	9.00	1.00	9.00	259463.41	5189.27	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	134.00	1.00	134.00	3863121.95	77262.44	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Achnantheidium sp.	Bacillariophyceae	Pennales	Achnanthidiaceae	Achnantheidium	2.00	1.00	2.00	57658.54	1153.17	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	73.00	1.00	73.00	2104536.59	42090.73	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	12.00	1.00	12.00	345951.22	6919.02	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Undetermined Centric	Bacillariophyceae	Centrales	(Undetermined)	Undetermined Pe	1.00	1.00	1.00	28829.27	576.59	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	3.00	1.67	5.00	144146.34	2882.93	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	33.00	1.00	33.00	951365.85	19027.32	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloiaceae	Mastogloia	10.00	1.00	10.00	288292.68	5765.85	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Ctenophora pulchella	Bacillariophyceae	Pennales	Fragilariaceae	Ctenophora	1.00	1.00	1.00	28829.27	576.59	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	6.00	1.00	6.00	172975.61	3459.51	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Skeletonema spp.	Bacillariophyceae	Centrales	Skeletonemataceae	Skeletonema	1.00	4.00	4.00	115317.07	2306.34	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Tryblionella spp.	Bacillariophyceae	Pennales	Bacillariaceae	Tryblionella	1.00	1.00	1.00	28829.27	576.59	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	1.00	1.00	1.00	28829.27	576.59	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodisceae	Cyclotella	2.00	1.00	2.00	57658.54	1153.17	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	1.00	2.00	2.00	57658.54	1153.17	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	2.00	1.00	2.00	57658.54	1153.17	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Diploneis spp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	1.00	1.00	1.00	28829.27	576.59	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnantheaceae	Achnanthes	4.00	1.00	4.00	115317.07	2306.34	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Campylodiscus sp.	Bacillariophyceae	Pennales	Suriellaceae	Campylodiscus	1.00	1.00	1.00	28829.27	576.59	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Leptolyngbya sp.	Myxophyceae	Oscillatorial	Pseudanabaenaceae	Leptolyngbya	4.00	5.50	22.00	634243.90	12684.88	
6170.1-3	HS-10002-31072012	31-Jul-12	50mL	0.00347%	Cocconeis spp.	Bacillariophyceae	Pennales	Achnantheaceae	Cocconeis	1.00	1.00	1.00	28829.27	576.59	
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	143.00	1.00	143.00	3449510.20	68990.20	
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	82.00	1.00	82.00	1978040.82	39560.82	

EcoAnalysts Sample ID	Location	Collection Date	Volume		Percent Counted	Taxon	Class	Order	Family	Genus	Number of Natural Units	Cells per Natural Unit	Total Number of Cells	Cells/ sample	Cells per mL (in sample received)
			Received (mL)												
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	16.00	1.00	16.00	385959.18	7719.18
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	24.00	1.00	24.00	578938.78	11578.78
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	12.00	1.00	12.00	289469.39	5789.39
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	1.00	1.00	1.00	24122.45	482.45
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	10.00	1.00	10.00	241224.49	4824.49
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	1.00	1.00	1.00	24122.45	482.45
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	4.00	1.00	4.00	96489.80	1929.80
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Leptolyngbya sp.	Myxophyceae	Oscillatorial	Pseudanabaenaceae	Leptolyngbya	2.00	11.00	22.00	530693.88	10613.88
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	3.00	1.67	5.00	120612.24	2412.24
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	1.00	2.00	2.00	48244.90	964.90
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Oscillatoria sp.	Myxophyceae	Oscillatorial	Oscillatoriaceae	Oscillatoria	1.00	4.00	4.00	96489.80	1929.80
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	2.00	1.00	2.00	48244.90	964.90
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Achnantheidium sp.	Bacillariophyceae	Pennales	Achnanthidiaceae	Achnantheidium	1.00	1.00	1.00	24122.45	482.45
6170.1-4	HS-10003-31072012	31-Jul-12	50mL	0.00415%		Diploneis spp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	1.00	1.00	1.00	24122.45	482.45
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	3.00	1.00	3.00	64729.86	1294.60
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	74.00	1.00	74.00	1596669.77	31933.40
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Leptolyngbya sp.	Myxophyceae	Oscillatorial	Pseudanabaenaceae	Leptolyngbya	4.00	7.00	28.00	604145.32	12082.91
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	15.00	1.00	15.00	323649.28	6472.99
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	32.00	1.91	61.00	1316173.73	26323.47
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	27.00	1.00	27.00	582568.70	11651.37
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Neidium spp.	Bacillariophyceae	Pennales	Neidiaceae	Neidium	2.00	1.00	2.00	43153.24	863.06
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	97.00	1.00	97.00	2092932.00	41858.64
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	3.00	0.67	2.00	43153.24	863.06
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Bacillaria paradoxa	Bacillariophyceae	Pennales	Bacillariaceae	Bacillaria	18.00	1.00	18.00	388379.13	7767.58
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	17.00	1.00	17.00	366802.51	7336.05
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	3.00	1.00	3.00	64729.86	1294.60
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	1.00	3.00	3.00	64729.86	1294.60
6170.1-5	HS-10004-31072012	31-Jul-12	50mL	0.00463%		Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	4.00	1.00	4.00	86306.47	1726.13
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Anabaena sp.	Myxophyceae	Nostocales	Nostocaceae	Anabaena	29.00	9.59	278.00	7143391.30	142867.83
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	52.00	1.00	52.00	1336173.91	26723.48
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	6.00	1.83	11.00	282652.17	5653.04
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	82.00	1.00	82.00	2107043.48	42140.87
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	13.00	1.00	13.00	334043.48	6680.87
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	17.00	1.00	17.00	436826.09	8736.52
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Cocconeis spp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	10.00	1.00	10.00	256956.52	5139.13
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Diploneis spp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	39.00	1.00	39.00	1002130.43	20042.61
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	1.00	1.00	1.00	25695.65	513.91
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	13.00	1.00	13.00	334043.48	6680.87
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	2.00	1.00	2.00	51391.30	1027.83
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Leptolyngbya sp.	Myxophyceae	Oscillatorial	Pseudanabaenaceae	Leptolyngbya	8.00	7.75	62.00	1593130.43	31862.61
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	2.00	1.00	2.00	51391.30	1027.83
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	2.00	2.50	5.00	128478.26	2569.57
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	5.00	1.00	5.00	128478.26	2569.57
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Pleurosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Pleurosigma	1.00	1.00	1.00	25695.65	513.91
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Rhopalodia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Rhopalodia	1.00	1.00	1.00	25695.65	513.91
6170.1-6	HS-10005-31072012	31-Jul-12	50mL	0.00389%		Anabaena torulosa	Myxophyceae	Nostocales	Nostocaceae	Anabaena	20.00	12.30	246.00	6321130.43	126422.61
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	120.00	1.00	120.00	1037909.75	20758.20
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Rhopalodia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Rhopalodia	13.00	1.00	13.00	112440.22	2248.80
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	2.00	1.00	2.00	17298.50	345.97
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	22.00	1.00	22.00	190283.45	3805.67
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	58.00	7.28	422.00	3649982.63	72999.65
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	6.00	1.00	6.00	51895.49	1037.91
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	37.00	1.00	37.00	320022.17	6400.44
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	13.00	1.00	13.00	112440.22	2248.80
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%		Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	5.00	1.00	5.00	43246.24	864.92

EcoAnalysts Sample ID	Location	Collection Date	Volume		Percent Counted	Taxon	Class	Order	Family	Genus	Number of Natural Units	Cells per Natural Unit	Total Number of Cells	Cells/ sample	Cells per mL (in sample received)
			Received (mL)												
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	5.00	1.00	5.00	43246.24	864.92	
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	19.00	1.00	19.00	164335.71	3286.71	
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%	Biddulphia sp.	Bacillariophyceae	Centrales	Biddulphiaceae	Biddulphia	1.00	1.00	1.00	8649.25	172.98	
6170.1-7	HS-10006-31072012	31-Jul-12	50mL	0.01156%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	3.00	5.00	15.00	129738.72	2594.77	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	107.00	1.00	107.00	894620.55	17892.41	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	63.00	1.00	63.00	526739.20	10534.78	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	1.00	1.00	1.00	8360.94	167.22	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	53.00	6.60	350.00	2926328.89	58526.58	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Cocconeis sp.	Bacillariophyceae	Pennales	Achnantheaceae	Cocconeis	9.00	1.00	9.00	75248.46	1504.97	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	17.00	1.00	17.00	142135.97	2842.72	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	15.00	1.00	15.00	125414.10	2508.28	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnantheaceae	Achnanthes	9.00	1.00	9.00	75248.46	1504.97	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	7.00	1.00	7.00	58526.58	1170.53	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	7.00	1.00	7.00	58526.58	1170.53	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Rhopalodia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Rhopalodia	9.00	1.00	9.00	75248.46	1504.97	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Bacillaria paradoxa	Bacillariophyceae	Pennales	Bacillariaceae	Bacillaria	1.00	1.00	1.00	8360.94	167.22	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Campylodiscus sp.	Bacillariophyceae	Pennales	Suriellaceae	Campylodiscus	1.00	1.00	1.00	8360.94	167.22	
6170.1-8	HS-10006-31072012 (Dup)	31-Jul-12	50mL	0.01196%	Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	1.00	1.00	1.00	8360.94	167.22	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnantheaceae	Achnanthes	10.00	1.00	10.00	70161.73	1403.23	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	67.00	1.00	67.00	470083.60	9401.67	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	2.00	1.00	2.00	14032.35	280.65	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Cylindrotheca sp.	Bacillariophyceae	Pennales	Bacillariaceae	Cylindrotheca	1.00	1.00	1.00	7016.17	140.32	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Cymbella spp.	Bacillariophyceae	Pennales	Cymbellaceae	Cymbella	4.00	1.00	4.00	28064.69	561.29	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	14.00	1.00	14.00	98226.42	1964.53	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	13.00	1.00	13.00	91210.25	1824.21	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	48.00	1.00	48.00	336776.31	6735.53	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Pleurosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Pleurosigma	6.00	1.00	6.00	42097.04	841.94	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Rhopalodia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Rhopalodia	9.00	1.00	9.00	63145.56	1262.91	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Terpsinoe sp.	Bacillariophyceae	Centrales	Biddulphiaceae	Terpsinoe	1.00	1.00	1.00	7016.17	140.32	
6170.1-9	HS-10007-31072012	31-Jul-12	50mL	0.01425%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	7.00	10.14	71.00	498148.29	9962.97	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	6.00	1.00	6.00	45605.13	912.10	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	9.00	1.00	9.00	68407.69	1368.15	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	10.00	1.00	10.00	76008.54	1520.17	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	4.00	1.00	4.00	30403.42	608.07	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Encyonema spp.	Bacillariophyceae	Pennales	Cymbellaceae	Encyonema	1.00	1.00	1.00	7600.85	152.02	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	2.00	2.00	4.00	30403.42	608.07	
6170.1-10	HS-10200-31072012	31-Jul-12	50mL	0.01316%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	2.00	1.00	2.00	15201.71	304.03	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	1.00	1.00	1.00	5867.33	117.35	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	7.00	1.00	7.00	41071.28	821.43	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	8.00	1.00	8.00	46938.61	938.77	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	4.00	1.00	4.00	23469.30	469.39	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	7.00	1.00	7.00	41071.28	821.43	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	5.00	1.00	5.00	29336.63	586.73	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	3.00	1.00	3.00	17601.98	352.04	
6170.1-11	HS-10300-31072012	31-Jul-12	50mL	0.01704%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	3.00	1.00	3.00	17601.98	352.04	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	41.00	1.00	41.00	299169.62	5983.39	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	5.00	1.00	5.00	36484.10	729.68	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	6.00	1.00	6.00	43780.92	875.62	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	4.00	1.00	4.00	29187.28	583.75	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	2.00	1.00	2.00	14593.64	291.87	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	1.00	1.00	1.00	7296.82	145.94	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	1.00	1.00	1.00	7296.82	145.94	
6170.1-12	HS-598-31072012	31-Jul-12	50mL	0.01370%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	3.00	1.67	5.00	36484.10	729.68	
6170.1-13	HS-612-31072012	31-Jul-12	50mL	0.01296%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	2.00	1.00	2.00	15435.58	308.71	
6170.1-13	HS-612-31072012	31-Jul-12	50mL	0.01296%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	9.00	1.00	9.00	69460.11	1389.20	
6170.1-13	HS-612-31072012	31-Jul-12	50mL	0.01296%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	1.00	1.00	1.00	7717.79	154.36	

EcoAnalysts Sample ID	Location	Collection Date	Volume		Percent Counted	Taxon	Class	Order	Family	Genus	Number of Natural Units	Cells per Natural Unit	Total Number of Cells	Cells/ sample	Cells per mL (in sample received)
			Received (mL)												
6170.1-13	HS-612-31072012	31-Jul-12	50mL	0.01296%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	2.00	6.00	12.00	92613.49	1852.27	
6170.1-13	HS-612-31072012	31-Jul-12	50mL	0.01296%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	2.00	1.00	2.00	15435.58	308.71	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	15.00	1.00	15.00	115766.86	2315.34	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	2.00	1.00	2.00	15435.58	308.71	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	4.00	1.00	4.00	30871.16	617.42	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	8.00	1.00	8.00	61742.32	1234.85	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	1.00	1.00	1.00	7717.79	154.36	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	1.00	1.00	1.00	7717.79	154.36	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	2.00	1.00	2.00	15435.58	308.71	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	2.00	1.00	2.00	15435.58	308.71	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	2.00	1.50	3.00	23153.37	463.07	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	3.00	1.00	3.00	23153.37	463.07	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	1.00	1.00	1.00	7717.79	154.36	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Diploneis spp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	1.00	1.00	1.00	7717.79	154.36	
6170.1-14	HS-614-31072012	31-Jul-12	50mL	0.01296%	Actinocyclus spp.	Bacillariophyceae	Centrales	Hemidiscaceae	Actinocyclus	1.00	1.00	1.00	7717.79	154.36	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	9.00	1.00	9.00	110795.27	2215.91	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	77.00	1.00	77.00	947915.12	18958.30	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Biddulphia sp.	Bacillariophyceae	Centrales	Biddulphiaceae	Biddulphia	1.00	1.00	1.00	12310.59	246.21	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	21.00	1.00	21.00	258522.31	5170.45	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	3.00	4.00	12.00	147727.03	2954.54	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	3.00	1.00	3.00	36931.76	738.64	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Bacillaria paradoxa	Bacillariophyceae	Pennales	Bacillariaceae	Bacillaria	1.00	1.00	1.00	12310.59	246.21	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	3.00	1.00	3.00	36931.76	738.64	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	1.00	1.00	1.00	12310.59	246.21	
6170.1-15	HS-617-31072012	31-Jul-12	50mL	0.00812%	Cocconeis sp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	1.00	1.00	1.00	12310.59	246.21	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	26.00	1.00	26.00	294758.55	5895.17	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	190.00	1.00	190.00	2154004.80	43080.10	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	33.00	1.00	33.00	374116.62	7482.33	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	10.00	1.00	10.00	113368.67	2267.37	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	21.00	1.00	21.00	238074.21	4761.48	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	8.00	3.50	28.00	317432.29	6348.65	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Rhopalodia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Rhopalodia	7.00	1.00	7.00	79358.07	1587.16	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	2.00	1.00	2.00	22673.73	453.47	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Encyonema spp.	Bacillariophyceae	Pennales	Cymbellaceae	Encyonema	2.00	2.00	2.00	22673.73	453.47	
6170.1-16	HS-626-31072012	31-Jul-12	50mL	0.00882%	Actinocyclus spp.	Bacillariophyceae	Centrales	Hemidiscaceae	Actinocyclus	1.00	1.00	1.00	11336.87	226.74	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	9.00	1.00	9.00	52147.06	1042.94	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	34.00	1.00	34.00	197000.00	3940.00	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	5.00	1.00	5.00	28970.59	579.41	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Tryblionella spp.	Bacillariophyceae	Pennales	Bacillariaceae	Tryblionella	2.00	1.00	2.00	11588.24	231.76	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	1.00	1.00	1.00	5794.12	115.88	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	5.00	1.00	5.00	28970.59	579.41	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Diploneis spp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	2.00	1.00	2.00	11588.24	231.76	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	1.00	3.00	3.00	17382.35	347.65	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	2.00	2.00	4.00	23176.47	463.53	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Amphipleura spp.	Bacillariophyceae	Pennales	Amphipleuraceae	Amphipleura	1.00	1.00	1.00	5794.12	115.88	
6170.1-17	HS-634-31072012	31-Jul-12	50mL	0.01726%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	1.00	1.00	1.00	5794.12	115.88	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Undetermined Centric	Bacillariophyceae	Centrales	(Undetermined)	Undetermined Pe	2.00	1.00	2.00	11674.07	233.48	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	7.00	1.00	7.00	40859.26	817.19	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	5.00	1.00	5.00	29185.19	583.70	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	4.00	3.25	13.00	75881.48	1517.63	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Achnantheidium sp.	Bacillariophyceae	Pennales	Achnanthidiaceae	Achnantheidium	1.00	1.00	1.00	5837.04	116.74	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Cocconeis spp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	1.00	1.00	1.00	5837.04	116.74	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50mL	0.01713%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	1.00	1.00	1.00	5837.04	116.74	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50	0.01713%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	2.00	1.00	2.00	11674.07	233.48	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50	0.01713%	Encyonema spp.	Bacillariophyceae	Pennales	Cymbellaceae	Encyonema	1.00	1.00	1.00	5837.04	116.74	
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50	0.01713%	Epithemia spp.	Bacillariophyceae	Pennales	Rhopalodiaceae	Epithemia	1.00	1.00	1.00	5837.04	116.74	

EcoAnalysts Sample ID	Location	Collection Date	Volume		Taxon	Class	Order	Family	Genus	Number of Natural Units	Cells per Natural Unit	Total Number of Cells	Cells/ sample	Cells per mL (in sample received)
			Received (mL)	Percent Counted										
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50	0.01713%	Diatoma spp.	Bacillariophyceae	Pennales	Fragilariaceae	Diatoma	1.00	1.00	1.00	5837.04	116.74
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50	0.01713%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	17.00	1.00	17.00	99229.63	1984.59
6170.1-18	HS-634-31072012 (Dup)	31-Jul-12	50	0.01713%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	5.00	1.00	5.00	29185.19	583.70
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	2.00	1.00	2.00	6062.31	121.25
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	31.00	1.00	31.00	93965.85	1879.32
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	56.00	1.00	56.00	169744.76	3394.90
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	3.00	1.00	3.00	9093.47	181.87
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	3.00	1.00	3.00	9093.47	181.87
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	3.00	1.00	3.00	9093.47	181.87
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	3.00	1.00	3.00	9093.47	181.87
6170.1-19	HS-637-31072012	31-Jul-12	50	0.03299%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	3.00	12.33	37.00	112152.79	2243.06
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Cocconeis spp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	8.00	1.00	8.00	36369.23	727.38
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	1.00	1.00	1.00	4546.15	90.92
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Tryblionella spp.	Bacillariophyceae	Pennales	Bacillariaceae	Tryblionella	6.00	1.00	6.00	27276.92	545.54
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	6.00	1.00	6.00	27276.92	545.54
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	30.00	1.00	30.00	136384.62	2727.69
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	13.00	1.00	13.00	59100.00	1182.00
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	4.00	1.00	4.00	18184.62	363.69
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	2.00	1.00	2.00	9092.31	181.85
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	2.00	1.50	3.00	13638.46	272.77
6170.1-20	HS-682-31072012	31-Jul-12	50	0.02200%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	2.00	2.00	4.00	18184.62	363.69
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	31.00	1.00	31.00	187907.69	3758.15
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	4.00	1.00	4.00	24246.15	484.92
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloiaceae	Mastogloia	2.00	1.00	2.00	12123.08	242.46
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Aulacoseira spp.	Bacillariophyceae	Centrales	Aulacoseiraceae	Aulacoseira	1.00	2.00	2.00	12123.08	242.46
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	7.00	1.00	7.00	42430.77	848.62
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	10.00	1.00	10.00	60615.38	1212.31
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Cocconeis spp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	2.00	1.00	2.00	12123.08	242.46
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	6.00	1.00	6.00	36369.23	727.38
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Tryblionella spp.	Bacillariophyceae	Pennales	Bacillariaceae	Tryblionella	2.00	1.00	2.00	12123.08	242.46
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Undetermined Centric	Bacillariophyceae	Centrales	(Undetermined)	Undetermined Pe	1.00	1.00	1.00	6061.54	121.23
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Achnanthidium sp.	Bacillariophyceae	Pennales	Achnanthidiaceae	Achnanthidium	4.00	1.00	4.00	24246.15	484.92
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	1.00	1.00	1.00	6061.54	121.23
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Tabellaria spp.	Bacillariophyceae	Pennales	Tabellariaceae	Tabellaria	1.00	1.00	1.00	6061.54	121.23
6170.1-21	HS-712-31072012	31-Jul-12	50	0.01650%	Ctenophora pulchella	Bacillariophyceae	Pennales	Fragilariaceae	Ctenophora	2.00	1.00	2.00	12123.08	242.46
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Achnanthidium sp.	Bacillariophyceae	Pennales	Achnanthidiaceae	Achnanthidium	1.00	1.00	1.00	5837.04	116.74
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	1.00	1.00	1.00	5837.04	116.74
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	1.00	1.00	1.00	5837.04	116.74
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	1.00	1.00	1.00	5837.04	116.74
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Gomphonema spp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	2.00	1.00	2.00	11674.07	233.48
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	3.00	1.00	3.00	17511.11	350.22
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Mastogloia spp.	Bacillariophyceae	Pennales	Mastogloiaceae	Mastogloia	1.00	1.00	1.00	5837.04	116.74
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	1.00	2.00	2.00	11674.07	233.48
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	14.00	1.00	14.00	81718.52	1634.37
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	4.00	1.00	4.00	23348.15	466.96
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Pleurosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Pleurosigma	2.00	1.00	2.00	11674.07	233.48
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Tabularia tabulata	Bacillariophyceae	Pennales	Fragilariaceae	Tabularia	2.00	1.00	2.00	11674.07	233.48
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Tryblionella spp.	Bacillariophyceae	Pennales	Bacillariaceae	Tryblionella	1.00	1.00	1.00	5837.04	116.74
6170.1-22	HS-712-31072012 (Dup)	31-Jul-12	50	0.01713%	Undetermined Pennate	Bacillariophyceae	Pennales	(Undetermined)	Undetermined Pe	4.00	1.00	4.00	23348.15	466.96
6170.1-23	HS-767-31072012	31-Jul-12	50	0.01276%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	18.00	1.00	18.00	141090.86	2821.82
6170.1-23	HS-767-31072012	31-Jul-12	50	0.01276%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	13.00	1.00	13.00	101898.95	2037.98
6170.1-23	HS-767-31072012	31-Jul-12	50	0.01276%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	2.00	1.00	2.00	15676.76	313.54
6170.1-23	HS-767-31072012	31-Jul-12	50	0.01276%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	5.00	1.00	5.00	39191.90	783.84
6170.1-23	HS-767-31072012	31-Jul-12	50	0.01276%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloiaceae	Mastogloia	3.00	1.00	3.00	23515.14	470.30
6170.1-23	HS-767-31072012	31-Jul-12	50	0.01276%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	6.00	1.00	6.00	47030.29	940.61
6170.1-24	HS-851-31072012	31-Jul-12	50	0.04186%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmataceae	Gyrosigma	5.00	1.00	5.00	11944.20	238.88
6170.1-24	HS-851-31072012	31-Jul-12	50	0.04186%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	1.00	1.00	1.00	2388.84	47.78
6170.1-24	HS-851-31072012	31-Jul-12	50	0.04186%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	5.00	1.00	5.00	11944.20	238.88

EcoAnalysts Sample ID	Location	Collection Date	Volume		Percent Counted	Taxon	Class	Order	Family	Genus	Number of Natural Units	Cells per Natural Unit	Total Number of Cells	Cells/ sample	Cells per mL (in sample received)
			Received (mL)												
6170.1-24	HS-851-31072012	31-Jul-12	50	0.04186%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	5.00	1.00	5.00	11944.20	238.88	
6170.1-24	HS-851-31072012	31-Jul-12	50	0.04186%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	15.00	2.07	31.00	74054.04	1481.08	
6170.1-24	HS-851-31072012	31-Jul-12	50	0.04186%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	3.00	1.00	3.00	7166.52	143.33	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	3.00	1.00	3.00	17511.11	350.22	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	137.00	1.00	137.00	799674.07	15993.48	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	13.00	1.00	13.00	75881.48	1517.63	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	67.00	1.00	67.00	391081.48	7821.63	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	51.00	6.39	326.00	1902874.07	38057.48	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	10.00	1.00	10.00	58370.37	1167.41	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Cocconeis sp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	7.00	1.00	7.00	40859.26	817.19	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	7.00	1.00	7.00	40859.26	817.19	
6170.1-25	HS-860-31072012	31-Jul-12	50	0.01713%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	6.00	1.00	6.00	35022.22	700.44	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	199.00	1.00	199.00	7130687.12	142613.74	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	28.00	2.89	81.00	2902440.49	58048.81	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	2.00	1.00	2.00	71665.20	1433.30	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	9.00	1.00	9.00	322493.39	6449.87	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	33.00	1.00	33.00	1182475.75	23649.52	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Biddulphia sp.	Bacillariophyceae	Centrales	Biddulphiaceae	Biddulphia	5.00	1.00	5.00	179162.99	3583.26	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	7.00	1.00	7.00	250828.19	5016.56	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	3.00	1.00	3.00	107497.80	2149.96	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	11.00	1.00	11.00	394158.58	7883.17	
6170.1-26	HS-877-31072012	31-Jul-12	50	0.00279%	Cocconeis sp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	3.00	1.00	3.00	107497.80	2149.96	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	12.00	1.00	12.00	41804.70	836.09	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	1.00	1.00	1.00	3483.72	69.67	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	1.00	1.00	1.00	3483.72	69.67	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	3.00	1.00	3.00	10451.17	209.02	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	5.00	1.00	5.00	17418.62	348.37	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	2.00	4.00	8.00	27869.80	557.40	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Achnanthes spp.	Bacillariophyceae	Pennales	Achnanthaceae	Achnanthes	1.00	1.00	1.00	3483.72	69.67	
6170.1-27	HS-972-31072012	31-Jul-12	50	0.02870%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	3.00	1.00	3.00	10451.17	209.02	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	4.00	1.00	4.00	14754.60	491.82	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Gyrosigma spp.	Bacillariophyceae	Pennales	Pleurosigmaaceae	Gyrosigma	55.00	1.00	55.00	202875.74	6762.52	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	35.00	1.00	35.00	129102.75	4303.42	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Caloneis spp.	Bacillariophyceae	Pennales	Pinnulariaceae	Caloneis	14.00	1.00	14.00	51641.10	1721.37	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Fragilaria spp.	Bacillariophyceae	Pennales	Fragilariaceae	Fragilaria	1.00	20.00	20.00	73773.00	2459.10	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Mastogloia sp.	Bacillariophyceae	Pennales	Mastogloioaceae	Mastogloia	19.00	1.00	19.00	70084.35	2336.14	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	9.00	1.00	9.00	33197.85	1106.59	
6170.1-28	Green Stuff	31-Jul-12	30	0.02711%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	7.00	3.43	24.00	88527.60	2950.92	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Cocconeis sp.	Bacillariophyceae	Pennales	Achnanthaceae	Cocconeis	19.00	1.00	19.00	1191433.90	23828.68	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	161.00	1.00	161.00	10095834.66	201916.69	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	54.00	1.00	54.00	3386180.57	67723.61	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	15.00	1.00	15.00	940605.71	18812.11	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Coscinodiscus sp.	Bacillariophyceae	Centrales	Coscinodiscaceae	Coscinodiscus	8.00	1.00	8.00	501656.38	10033.13	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	9.00	1.00	9.00	564363.43	11287.27	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Biddulphia sp.	Bacillariophyceae	Centrales	Biddulphiaceae	Biddulphia	11.00	1.00	11.00	689777.52	13795.55	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	5.00	3.40	17.00	1066019.81	21320.40	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	7.00	3.57	25.00	1567676.19	31353.52	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	5.00	1.00	5.00	313535.24	6270.70	
6170.1-29	12BBB1267	30-May-12	50	0.00159%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	6.00	1.00	6.00	376242.29	7524.85	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Navicula spp.	Bacillariophyceae	Pennales	Naviculaceae	Navicula	3.00	1.00	3.00	10853.14	217.06	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Cyclotella spp.	Bacillariophyceae	Centrales	Stephanodiscaceae	Cyclotella	9.00	1.00	9.00	32559.43	651.19	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Nitzschia spp.	Bacillariophyceae	Pennales	Bacillariaceae	Nitzschia	47.00	1.13	53.00	191738.86	3834.78	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Diploneis sp.	Bacillariophyceae	Pennales	Diploneidaceae	Diploneis	1.00	1.00	1.00	3617.71	72.35	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Paralia sulcata	Bacillariophyceae	Centrales	Paraliaceae	Paralia	1.00	3.00	3.00	10853.14	217.06	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Amphora spp.	Bacillariophyceae	Pennales	Catenulaceae	Amphora	5.00	1.00	5.00	18088.57	361.77	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Gomphonema sp.	Bacillariophyceae	Pennales	Gomphonemataceae	Gomphonema	7.00	1.00	7.00	25324.00	506.48	
6170.1-30	12RBB448	30-May-12	50	0.02764%	Melosira spp.	Bacillariophyceae	Centrales	Melosiraceae	Melosira	7.00	1.71	12.00	43412.57	868.25	