

Distribution Chart of Benthic Foraminifera (Species)

Transitional	Inner Neritic	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal	Sample Code	<i>Amphistegina</i> sp.	<i>Amphistegina lessonii</i>	<i>Sphaerogypsina</i> sp.	<i>Amphistegina radiata</i>	<i>Amphistegina papillosa</i>	<i>Operculina</i> sp.	<i>Operculina philippinensis</i>	<i>Operculina ammonoides</i>	<i>Operculina subgranulosa</i>	<i>Operculina complanata</i>	<i>Amphistegina quoyii</i>	<i>Alveolinella quoyii</i>	<i>Calcarina calcarinoides</i>	<i>Ammonia</i> sp.	<i>Ammonia beccarii</i>	<i>Asterorotalia trispinosa</i>	<i>Elphidium</i> sp.	<i>Elphidium crispum</i>	<i>Elphidium hispidulum</i>	<i>Reussella simplex</i>	<i>Cellanthus craticulatus</i>	<i>Peneroplis carinatus</i>	<i>Peneroplis planatus</i>	<i>Peneroplis pertusus</i>	<i>Pseudorotalia</i> sp.	<i>Ammonia tepida</i>	<i>Elphidium neosimplex</i>	<i>Cibicides</i> sp.	<i>Ammonia gainardii</i>	<i>Adelosina laevigata</i>		
						P.Bembang	24	14										46	212	134	8	58	74	6	4	18	6	4	4	2								
						P. Parangireng	1169	192	16426	2674	945							272	304							48												
						SSTH1		107			107	214	214	107					19875	1603	8896		214	107	3847		107	321	107	107	641	1496	1069	855	641	214		
						SSTH2		58			58			58	58				117	1344			175	58	994	58		58	58		175	10695		526				
						sem-A9						11									8											355	72	30				
						sem-A21														186				31								634	70					
						sem-A11													5	707	49	25		89								588	15					
						sem-A6													41	2091	984	1722	369		164						246	2952	328	533				
						sem-A5													83	1718	559	104	373	21	21						104	1946	62					
						SSTH8				19	103	213	65							200	39		26	26			6				149	32	52	362		13		
						IKN 01								4						1		1									4		1	24	4			
						SS10													1		3	1				1					19	15		6				
						SS09	2					4							47		2	1									3	15		63		1		
						IKN 03		8			17	2		4	2	8	3	1					2	2	1								2		31	1		
						CLP 03	5																										10		96	18		
						GC05														540												176			100			
						CLP 05				11														22									43		109	152		
						CLP 06					3			1																		1			7	1		
						CLP 07				1				1																			1		1	1		
						IKN 04				957	3348	2152		3348					239						1435	478					1674			8610				
						IKN 05					1	1			1																	1	1		8			
						Sim ST-14																				512									2049			
						Sum ST-09													1025							513								513	1538			
						Sum ST-01																													1024			
						Sum ST-12																																
						Sum ST-06																														1793		
						OS1																														3073		
						Sum ST-13																														768		
						Sum ST-03																																
						Sum ST-11																														3073		
						OS10																														512		
						Sim ST-02																																
						Sim ST-08																																
						Sum ST-08																														4		
						OS7																													8			
							1200	379	16426	3642	4497	2487	427	3588	61	8	3	1	318	21949	8524	10548	2302	1031	5014	2708	658	385	169	111	3195	18787	2111	25274	818	228		

Distribution Chart of Benthic Foraminifera (Species)

Transitional	Inner Neritic	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal	Sample Code	<i>Baggina indica</i>	<i>Brizalina</i> sp.	<i>Anomalina globulosa</i>	<i>Fissurina ampullacea</i>	<i>Oolina globosa</i>	<i>Bulimina marginata</i>	<i>Florilus boucanum</i>	<i>Bulimina gibba</i>	<i>Brizalina aenariensis</i>	<i>Nodosaria</i> sp.	<i>Hyalinea bhutica</i>	<i>Siphonina bradyi</i>	<i>Cassidulina</i> sp.	<i>Anomalina colligera</i>	<i>Nodosaria lepidula</i>	<i>Oridorsalis tenera</i>	<i>Sphaeroidina bulloides</i>	<i>Brizalina robusta</i>	<i>Fissurina</i> sp.	<i>Bolivinita quadrilatera</i>	<i>Siphonogenerina striata</i>	<i>Lagena sulcata</i>	<i>Cassidulina pacifica</i>	<i>Bulimina</i> sp.	<i>Cibicides refulgens</i>	<i>Anomalina</i> sp.	<i>Uvigerina</i> sp.	<i>Bolivina</i> sp.	<i>Lagena semilineata</i>	<i>Lagena laevis</i>	<i>Nonion scaphum</i>								
						P.Bembang																																							
						P. Parangireng																																							
						SSTH1	107																																						
						SSTH2		351	409	234	58	58	58	58																															
						sem-A9						23								11	11	8	11	8		4	8	8	4	23	4		4	4	4										
						sem-A21		15												23	8									456					15	15	15								
						sem-A11		20	5			10	35							44																15	15		5	5					
						sem-A6		82			41	287	861							615																41				41					
						sem-A5		41		62	21	83	1263																							21		41				21	21		
						SSTH8		6		13	6																									6						6	6	78	
						IKN 01					1									1																							1		
						SS10		1	1	1											5					1	2			1	1			1											
						SS09		2	1	1	9										10					1								6		1							4	9	
						IKN 03			1	1			1								12	1	1		1										1			3			1				
						CLP 03			8									10			13	5	3			3				5	8				10				3				3	5	
						GC05					13										1029				63																		13	13	
						CLP 05											76				206	65				11	11				10				54									43	
						CLP 06											7				12	1									3				1										
						CLP 07			1								0				2	1									1				1					1				1	
						IKN 04															24155														1							1196		239	
						IKN 05			1		1		1											1																					
						Sim ST-14															6146	1024			512						512				512	1024		512	512						
						Sum ST-09			3588	513	513	513	3588								5636				2050						2050		513				513			512			513	1025	
						Sum ST-01			512			512	4609										1024			1536					4097		2048							512					
						Sum ST-12						64	128													385																			
						Sum ST-06			256			768	1281									256	3073																						
						OS1			1539				1026													3078				513	1539		2565			1539				1539					
						Sum ST-13			256				256										512			1024					256		1280							512					
						Sum ST-03					16		144													16					32									24					
						Sum ST-11			512				1536													512					1024									1024					
						OS10			512				512													512																			
						Sim ST-02																10										2													
						Sim ST-08							80																														16		
						Sum ST-08						1	6							1																									
						OS7							29																4															401	
						877	6935	942	834	2030	13722	2243	60	37992	1383	5005	251	2644	7339	79	8	1552	16394	7	7819	4	78	528	3240	19	561	4258	1238	557	1071	401									

Distribution Chart of Benthic Foraminifera (Species)

Transitional	Inner Neritic	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal	Sample Code	<i>Cancris auriculus</i>	<i>Neonovigerina ampullacea</i>	<i>Calcarina splengeri</i>	<i>Oolina striata</i>	<i>Discorbis</i> sp.	<i>Lagena substriata</i>	<i>Siphonaperta</i> sp.	<i>Heterolepa praecincta</i>	<i>Bombulina echinata</i>	<i>Brizalina striatula</i>	<i>Nonionella simplex</i>	<i>Elphidium advenum</i>	<i>Brizalina earlandi</i>	<i>Asterorotalia</i> sp.	<i>Lenticulina</i> sp.	<i>Baculogypsinioides spinosus</i>	<i>Planorbullinella larvata</i>	<i>Lenticulina vortex</i>	<i>Gyroidina neosoldanii</i>	<i>Astacolus crepidulus</i>	<i>Glandulina laevigata</i>	<i>Siphonina tubulosa</i>	<i>Valvulina pennatula</i>	<i>Gyroidina broeckhiana</i>	<i>Lenticulina orbicularis</i>	<i>Planularia australis</i>	<i>Saracenaria italica</i>	<i>Eponides schreibersi</i>	<i>Guttulina problema</i>	<i>Brizalina alata</i>	<i>Nodosaria albatrossi</i>	<i>Lenticulina calcar</i>	<i>Siphogenerina tropica</i>	<i>Amphicoryna scalaris</i>							
						P. Bambang																																									
						P. Parangireng																																									
						SSTH1																																									
						SSTH2																																									
						sem-A9																																									
						sem-A21																																									
						sem-A11																																									
						sem-A6																																									
						sem-A5																																									
						SSTH8	6	19	6	6	6	6	13																																		
						IKN 01	1	1						9	1		1																														
						SS10	2	6		2		1								1		1	1	4																							
						SS09																		20	1																						
						IKN 03		4	1						26												1	1	1	1	1	1	1	1													
						CLP 03		3			3											16													8	23	10	3	3	5	3	3	5	5	3	3	
						GC05		239				13													163		50																			13	
						CLP 05														11		43			33											22	43			11						54	
						CLP 06																1														2	2	1	1				1			1	
						CLP 07		1												1		1					1				1						1						1			1	
						IKN 04		1213	478						478					957		957												239		5740	478										
						IKN 05																1					1				1						1		1				1			1	
						Sim ST-14		3073							2049												1024				1024							2049	512					1			
						Sum ST-09										513		1025				513					513									1025	1025		513					2561		513	
						Sum ST-01					512							512									512				1024				512												
						Sum ST-12													128																128												
						Sum ST-06																												128													
						OS1														513							513										3591									2565	
						Sum ST-13																															512										
						Sum ST-03																															16										
						Sum ST-11		1024							2048							512					1536								1024												
						OS10																																									
						Sim ST-02														6																	2										
Sim ST-08																																															
Sum ST-08																									5																						
OS7																																															
							1033	4559	485	520	9	20	13	5782	2	2556	2	1	2201	1	4156	1	1	1	1	2056	1	1	240	1672	6814	9138	3	1029	16	3	3	7	3080	4	2636						

Distribution Chart of Benthic Foraminifera (Species)

Transitional	Inner Neritic	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal	Sample Code	<i>Nodosaria catesbyi</i>	<i>Virgulina pauciloculata</i>	<i>Heterolepa subhaldingeri</i>	<i>Trifarina bradyi</i>	<i>Hoeglundina elegans</i>	<i>Planularia</i> sp.	<i>Neovigierina</i> sp.	<i>Dentalina communis</i>	<i>Amphicoryna separans</i>	<i>Eponides procera</i>	<i>Lenticulina peregrina</i>	<i>Nonion suburgidum</i>	<i>Vaginulina</i> sp.	<i>Cassidulina laevigata</i>	<i>Nodosaria radicola</i>	<i>Uvigerina peregrina</i>	<i>Siphogenerina</i> sp.	<i>Uvigerina schwageri</i>	<i>Pullenia subcarinata</i>	<i>Lingulina galapagoensis</i>	<i>Eponides</i> sp.	<i>Dentalina</i> sp.	<i>Rectobolivina bifrons</i>	<i>Uvigerina asperula</i>	<i>Discorbina orbicularis</i>	<i>Globocassidulina</i> sp.	<i>Planularia gemmata</i>	<i>Hemirobulina galapagoensis</i>	<i>Siphogenerina dimorpha</i>	<i>Siphogenerina collumellaris</i>	<i>Siphonina</i> sp.								
						P. Bembang																																							
						P. Parangireng																																							
						SSTH1																																							
						SSTH2																																							
						sem-A9																																							
						sem-A21																																							
						sem-A11																																							
						sem-A6																																							
						sem-A5																																							
						SSTH8																																							
						IKN 01																																							
						SS10																																							
						SS09																																							
						IKN 03																																							
						CLP 03					8																																		
						GC05						38																																	
						CLP 05							11	11		33		11	22		11		11																						
						CLP 06						1							1				1		2																				
						CLP 07																			1		1		1																
						IKN 04																				478				478															
						IKN 05								1					1		1					1		1		1	1	1	1	1	1	1									
						Sim ST-14											3585						1024					3585						1537	2049			6659	512	512	512	512	1024	1537	512
						Sum ST-09												513			513															1538	9738		1025			513			
						Sum ST-01											1536			1024						512		1536				1024		512		512	4097								
						Sum ST-12																																							
						Sum ST-06													256	512								512							256	512	1024								
						OS1											513				513		513				8721								1026	513	1026		1026			1026			
						Sum ST-13											1024			256							256																		
						Sum ST-03											24		8																										
						Sum ST-11											1536	512		3073							1024	512	1024							2048		512							
						OS10																			512			512																	
						Sim ST-02														2												8													
Sim ST-08																						224				16																			
Sum ST-08											18			1																				1											
OS7								4								17						12				4																			
							8	42	11	12	8270	1035	288	5392	525	18	1538	2	514	992	1025	15874	1	1504	1053	1	2050	3332	3076	24593	512	3077	512	512	2563	1537	512								

Distribution Chart of Benthic Foraminifera (Species)

Transitional	Inner Neritic	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal	Sample Code	<i>Sigmoilopsis schlumbergeri</i>	<i>Bolivinita subangularis</i>	<i>Astacolus insolitus</i>	<i>Bolivina hanikeniana</i>	<i>Bigenierina nodosaria</i>	<i>Oridorsalis umbonatus</i>	<i>Ammonia supera</i>	<i>Globobulimina notovata</i>	<i>Planulina ariminensis</i>	<i>Pyrgo lucermula</i>	<i>Globobulimina pacifica</i>	<i>Ceratobulimina contraria</i>	<i>Amphicoryna</i> sp.	<i>Lagena hispidula</i>	<i>Marginalina obesa</i>	<i>Planulina</i> sp.	<i>Ceratocancri clifdenensis</i>	<i>Astacolus</i> sp.	<i>Lenticulina iota</i>	<i>Amphicoryna hirsuta</i>	<i>Laticarinina pauperata</i>	<i>Nodosaria flintii</i>	<i>Planulina wuellerstorfi</i>	<i>Lagena</i> sp.	<i>Bulimina aculeata</i>	<i>Fissurina unguiculata</i>	<i>Quinqueloculina</i> sp.	<i>Quinqueloculina granulocostata</i>	<i>Quinqueloculina lamarkiana</i>	<i>Quinqueloculina crassiscarinata</i>	<i>Quinqueloculina angulariformis</i>						
						P. Bambang																											16										
						P. Parangireng																															256	288					
						SSTH1																															321	107	855	214	107		
						SSTH2																															584	1987					
						sem-A9																															4	151	4				
						sem-A21																															8	39					
						sem-A11																															15						
						sem-A6																															287	123	41				
						sem-A5																															145	21					
						SSTH8																															32	427					
						IKN 01																															1	8					
						SS10																															2	24					
						SS09																															2	9					
						IKN 03																																3					
						CLP 03																																	47				
						GC05																																25					
						CLP 05																																	130				
						CLP 06																																	3		1		
						CLP 07																																	1		1		
						IKN 04																																239			239		
						IKN 05																																			1		
						Sim ST-14						1024																												3585			
						Sum ST-09						513	2563	513	513	513																								513			
						Sum ST-01												1536	2048	1024	512	512																		512			
						Sum ST-12													64		64																						
						Sum ST-06																512	1281																				
						OS1												1026			2052	1539		513	513	513																	
						Sum ST-13														768				768				256															
						Sum ST-03																24							8														
						Sum ST-11																								512	1536	1024											
						OS10												512															1024	512									
						Sim ST-02												6								2		6							6								
Sim ST-08																						32																					
Sum ST-08														5		6														2	7												
OS7												4				4				4		8									4	1	4	8	901	454	107						
							1537	2563	513	513	513	3085	2113	1797	2884	512	2085	2049	513	519	513	302	8	512	1536	1024	1024	512	6	7	7	1	1941	7986									

Distribution Chart of Benthic Foraminifera (Species)

Transitional	Inner Neritic	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal	Sample Code	<i>Quinqueloculina parkeri</i>	<i>Quinqueloculina strigillata</i>	<i>Quinqueloculina philipinensis</i>	<i>Spiroloculina scrobiculata</i>	<i>Spiroloculina depressa</i>	<i>Triloculina trigonula</i>	<i>Miliolinella subrotunda</i>	<i>Edentostomina cultrata</i>	<i>Quinqueloculina tropicalis</i>	<i>Quinqueloculina bicornis</i>	<i>Triloculina tricarinata</i>	<i>Spiroloculina</i> sp.	<i>Quinqueloculina seminulum</i>	<i>Quinqueloculina pulchella</i>	<i>Quinqueloculina incisa</i>	<i>Pyrgo depressa</i>	<i>Pyrgo</i> sp.	<i>Massilina</i> sp.	<i>Pyrgo laevis</i>	<i>Pyrgo denticulata</i>	<i>Spiroloculina rotundata</i>	<i>Ammobaculites agglutinans</i>	<i>Haplophragmoides</i> sp.	<i>Textularia</i> sp.	<i>Textularia tubulosa</i>	<i>Textularia agglutinans</i>	<i>Eggerella propinqua</i>	<i>Martinotiella communis</i>	
						P. Bembang																													
						P. Parangireng																													
						SSTH1	107	107	107	107	107	214																							
						SSTH2				117	58	58	409	117	117												994	526							
						sem-A9					38	11		4		4																			
						sem-A21																								39	15	8			
						sem-A11																					69	15	5		5				
						sem-A6			41								41										41	82				123			
						sem-A5																					41	124							
						SSTH8			19		58				39		78	19	84									32			26				
						IKN 01					1	1					3	1	1	1													3		
						SS10									6		2	2															1		
						SS09									15		4		1																
						IKN 03	1				1	1			2			1			1	1					1						1		
						CLP 03					10				29								3											8	
						GC05																													
						CLP 05					33				22		33																	33	
						CLP 06					1						3																		
						CLP 07		1			1						1																	1	
						IKN 04					239	239					239				239			239									957		
						IKN 05																1												1	
						Sim ST-14									1024		1024	512					512		512	512		1537			512				
						Sum ST-09									1025																513		513		
						Sum ST-01					512	1536								1536	512	1024					512								
						Sum ST-12																													
						Sum ST-06																256									256		256		
						OS1																					1026								513
						Sum ST-13																256					512								
						Sum ST-03																													8
						Sum ST-11											512																		512
						OS10																													
						Sim ST-02																													
						Sim ST-08																	16												
						Sum ST-08																1													
						OS7																	4												
							108	108	167	224	1060	2060	409	121	2279	4	1426	1047	86	1	1777	514	2072	239	512	512	1538	3227	747	1324	42	1908	513	520	

IndVal Calculation

N_{ij} =average number of individuals of species/genus i in all samples in environment j

N_i = total average number of individuals of species/genus I in the whole environment

M_{ij} = number of samples in environment j containing genus i species

M_i = total sampel on environment j

1 *Amphistegina sp.*

Environment	N_{ij}	N_i	A_{ij}	M_{ij}	M_i	B_{ij}	IV_{ij}
Transitional	596	598	0.998040	2	2	1.000000	99.803996
Inner Neritic (Fine S	0	598	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	598	0.000000	0	6	0.000000	0.000000
Middle Neritic	1	598	0.001960	2	6	0.333333	0.065335
Outer Neritic	0	598	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	598	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	598	0.000000	0	9	0.000000	0.000000

598

2 *Amphistegina lessonii*

Environment	N_{ij}	N_i	A_{ij}	M_{ij}	M_i	B_{ij}	IV_{ij}
Transitional	103.0674	131.8786	0.781532	2	2	1.000000	78.153241
Inner Neritic (Fine S	17.809067	131.8786	0.135041	1	1	1.000000	13.504137
Inner Neritic (Silt)	9.7408	131.8786	0.073862	1	6	0.166667	1.231031
Middle Neritic	1.2613333	131.8786	0.009564	1	6	0.166667	0.159406
Outer Neritic	0	131.8786	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	131.8786	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	131.8786	0.000000	0	9	0.000000	0.000000

131.8786

3 *Sphaerogypsina sp.*

Environment	N_{ij}	N_i	A_{ij}	M_{ij}	M_i	B_{ij}	IV_{ij}
Transitional	8212.9248	8212.9248	1.000000	1	2	0.500000	50.000000
Inner Neritic (Fine S	0	8212.9248	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	8212.9248	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	8212.9248	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	8212.9248	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	8212.9248	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	8212.9248	0.000000	0	9	0.000000	0.000000

8212.9248

4 *Amphistegina radiata*

Environment	N_{ij}	N_i	A_{ij}	M_{ij}	M_i	B_{ij}	IV_{ij}
Transitional	1336.8016	1530.4126	0.873491	1	2	0.500000	43.674549
Inner Neritic (Fine S	0	1530.4126	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1530.4126	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	1530.4126	0.000000	0	6	0.000000	0.000000
Outer Neritic	193.611	1530.4126	0.126509	3	5	0.600000	7.590541
Upper Bathyal	0	1530.4126	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	1530.4126	0.000000	0	9	0.000000	0.000000

1530.4126

5 *Amphistegina papillosa*

Environment	N_{ij}	N_i	A_{ij}	M_{ij}	M_i	B_{ij}	IV_{ij}
Transitional	472.2832	1282.94501	0.368124	1	2	0.500000	18.406214
Inner Neritic (Fine S	106.8544	1282.94501	0.083288	1	1	1.000000	8.328837
Inner Neritic (Silt)	27.549867	1282.94501	0.021474	1	6	0.166667	0.357899
Middle Neritic	5.984	1282.94501	0.004664	2	6	0.333333	0.155476
Outer Neritic	670.10688	1282.94501	0.522319	2	5	0.400000	20.892770
Upper Bathyal	0.1666667	1282.94501	0.000130	1	6	0.166667	0.002165
Lower Bathyal	0	1282.94501	0.000000	0	9	0.000000	0.000000

1282.945

6 *Operculina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	664.387427	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	213.7088	664.387427	0.321663	1	1	1.000000	32.166292
Inner Neritic (Silt)	1.8896	664.387427	0.002844	1	6	0.166667	0.047402
Middle Neritic	18.185067	664.387427	0.027371	3	6	0.500000	1.368559
Outer Neritic	430.47936	664.387427	0.647934	1	5	0.200000	12.958685
Upper Bathyal	0.1246	664.387427	0.000188	1	6	0.166667	0.003126
Lower Bathyal	0	664.387427	0.000000	0	9	0.000000	0.000000

664.38743

7 *Operculina philippinensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	249.2608	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	213.7088	249.2608	0.857370	1	1	1.000000	85.737027
Inner Neritic (Silt)	0	249.2608	0.000000	0	6	0.000000	0.000000
Middle Neritic	35.552	249.2608	0.142630	1	6	0.166667	2.377162
Outer Neritic	0	249.2608	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	249.2608	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	249.2608	0.000000	0	9	0.000000	0.000000

249.2608

8 *Operculina ammonoides*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	798.638813	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	798.638813	0.133796	1	1	1.000000	13.379565
Inner Neritic (Silt)	9.7408	798.638813	0.012197	1	6	0.166667	0.203279
Middle Neritic	12.082333	798.638813	0.015129	3	6	0.500000	0.756433
Outer Neritic	669.96128	798.638813	0.838879	3	5	0.600000	50.332736
Upper Bathyal	0	798.638813	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	798.638813	0.000000	0	9	0.000000	0.000000

798.63881

9 *Operculina subgranulosa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	10.245	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	10.245	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	9.7408	10.245	0.950786	1	6	0.166667	15.846429
Middle Neritic	0.344	10.245	0.033577	1	6	0.166667	0.559623
Outer Neritic	0	10.245	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0.1602	10.245	0.015637	1	6	0.166667	0.260615
Lower Bathyal	0	10.245	0.000000	0	9	0.000000	0.000000

10.245

10 *Operculina complanata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1.26133333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1.26133333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1.26133333	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.2613333	1.26133333	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	1.26133333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	1.26133333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	1.26133333	0.000000	0	9	0.000000	0.000000

1.2613333

11 *Amphistegina quoyii*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.57333333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.57333333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.57333333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.57333333	0.57333333	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.57333333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.57333333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.57333333	0.000000	0	9	0.000000	0.000000

0.5733333

12 *Alveolinella quoyii*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.11466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.11466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.11466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.11466667	0.11466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.11466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.11466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.11466667	0.000000	0	9	0.000000	0.000000

0.1146667

13 *Calcarina calcarinoides*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	159.1138	159.1138	1.000000	1	2	0.500000	50.000000
Inner Neritic (Fine S	0	159.1138	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	159.1138	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	159.1138	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	159.1138	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	159.1138	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	159.1138	0.000000	0	9	0.000000	0.000000

159.1138

14 *Ammonia sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	258	20400.5433	0.012647	2	2	1.000000	1.264672
Inner Neritic (Fine S	19874.918	20400.5433	0.974235	1	1	1.000000	97.423476
Inner Neritic (Silt)	40.941333	20400.5433	0.002007	4	6	0.666667	0.133792
Middle Neritic	8.0152	20400.5433	0.000393	2	6	0.333333	0.013096
Outer Neritic	47.83104	20400.5433	0.002345	1	5	0.200000	0.046892
Upper Bathyal	170.83733	20400.5433	0.008374	1	6	0.166667	0.139569
Lower Bathyal	0	20400.5433	0.000000	0	9	0.000000	0.000000

20400.543

15 *Ammonia beccarii*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	67.0938	2819.12811	0.023799	1	2	0.500000	1.189974
Inner Neritic (Fine S	1602.816	2819.12811	0.568550	1	1	1.000000	56.855025
Inner Neritic (Silt)	1007.6805	2819.12811	0.357444	5	6	0.833333	29.787003
Middle Neritic	33.604333	2819.12811	0.011920	2	6	0.333333	0.397337
Outer Neritic	107.93344	2819.12811	0.038286	1	5	0.200000	0.765722
Upper Bathyal	0	2819.12811	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	2819.12811	0.000000	0	9	0.000000	0.000000

2819.1281

16 *Asterorotalia trispinosa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	4.0056	9174.00213	0.000437	1	2	0.500000	0.021831
Inner Neritic (Fine S	8896	9174.00213	0.969697	1	1	1.000000	96.969674
Inner Neritic (Silt)	266.66133	9174.00213	0.029067	4	6	0.666667	1.937804
Middle Neritic	7.3352	9174.00213	0.000800	3	6	0.500000	0.039978
Outer Neritic	0	9174.00213	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	9174.00213	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	9174.00213	0.000000	0	9	0.000000	0.000000

9174.0021

17 *Elphidium sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	29.0406	581.137867	0.049972	1	2	0.500000	2.498598
Inner Neritic (Fine S	213.7088	581.137867	0.367742	1	1	1.000000	36.774200
Inner Neritic (Silt)	337.58453	581.137867	0.580903	4	6	0.666667	38.726844
Middle Neritic	0.8039333	581.137867	0.001383	4	6	0.666667	0.092225
Outer Neritic	0	581.137867	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	581.137867	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	581.137867	0.000000	0	9	0.000000	0.000000

581.13787

18 *Elphidium crispum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	37.0518	304.06588	0.121855	1	2	0.500000	6.092726
Inner Neritic (Fine S	106.8544	304.06588	0.351419	1	1	1.000000	35.141858
Inner Neritic (Silt)	151.15947	304.06588	0.497127	3	6	0.500000	24.856368
Middle Neritic	4.6533333	304.06588	0.015304	2	6	0.333333	0.510123
Outer Neritic	4.34688	304.06588	0.014296	1	5	0.200000	0.285917
Upper Bathyal	0	304.06588	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	304.06588	0.000000	0	9	0.000000	0.000000

304.06588

19 *Elphidium hispidulum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	3.0042	4043.3306	0.000743	1	2	0.500000	0.037150
Inner Neritic (Fine S	3846.7584	4043.3306	0.951384	1	1	1.000000	95.138359
Inner Neritic (Silt)	189.02933	4043.3306	0.046751	4	6	0.666667	3.116726
Middle Neritic	4.5386667	4043.3306	0.001123	2	6	0.333333	0.037417
Outer Neritic	0	4043.3306	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	4043.3306	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	4043.3306	0.000000	0	9	0.000000	0.000000

4043.3306

20 *Reussella simplex*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	2.0028	500.44124	0.004002	1	2	0.500000	0.200103
Inner Neritic (Fine S	0	500.44124	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	40.523733	500.44124	0.080976	3	6	0.500000	4.048800
Middle Neritic	0.1423333	500.44124	0.000284	1	6	0.166667	0.004740
Outer Neritic	286.98624	500.44124	0.573466	1	5	0.200000	11.469328
Upper Bathyal	170.78613	500.44124	0.341271	2	6	0.333333	11.375703
Lower Bathyal	0	500.44124	0.000000	0	9	0.000000	0.000000

500.44124

21 *Cellanthus craticulatus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	33.027	236.620813	0.139578	2	2	1.000000	13.957775
Inner Neritic (Fine S	106.8544	236.620813	0.451585	1	1	1.000000	45.158496
Inner Neritic (Silt)	0	236.620813	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.0773333	236.620813	0.004553	1	6	0.166667	0.075883
Outer Neritic	95.66208	236.620813	0.404284	1	5	0.200000	8.085686
Upper Bathyal	0	236.620813	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	236.620813	0.000000	0	9	0.000000	0.000000

236.62081

22 *Peneroplis carinatus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	3.0042	333.3082	0.009013	1	2	0.500000	0.450664
Inner Neritic (Fine S	320.5632	333.3082	0.961762	1	1	1.000000	96.176212
Inner Neritic (Silt)	9.7408	333.3082	0.029225	1	6	0.166667	0.487077
Middle Neritic	0	333.3082	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	333.3082	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	333.3082	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	333.3082	0.000000	0	9	0.000000	0.000000

333.3082

23 *Peneroplis planatus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	2.0028	118.598	0.016887	1	2	0.500000	0.844365
Inner Neritic (Fine S	106.8544	118.598	0.900980	1	1	1.000000	90.097978
Inner Neritic (Silt)	9.7408	118.598	0.082133	1	6	0.166667	1.368882
Middle Neritic	0	118.598	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	118.598	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	118.598	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	118.598	0.000000	0	9	0.000000	0.000000

118.598

24 *Peneroplis pertusus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	2.0028	108.8572	0.018398	1	2	0.500000	0.919921
Inner Neritic (Fine S	106.8544	108.8572	0.981602	1	1	1.000000	98.160158
Inner Neritic (Silt)	0	108.8572	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	108.8572	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	108.8572	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	108.8572	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	108.8572	0.000000	0	9	0.000000	0.000000

108.8572

25 *Pseudorotalia sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	1.0014	1129.11821	0.000887	1	2	0.500000	0.044344
Inner Neritic (Fine S	641.1264	1129.11821	0.567812	1	1	1.000000	56.781159
Inner Neritic (Silt)	87.474133	1129.11821	0.077471	3	6	0.500000	3.873560
Middle Neritic	29.137767	1129.11821	0.025806	4	6	0.666667	1.720385
Outer Neritic	370.21184	1129.11821	0.327877	3	5	0.600000	19.672617
Upper Bathyal	0.1666667	1129.11821	0.000148	1	6	0.166667	0.002460
Lower Bathyal	0	1129.11821	0.000000	0	9	0.000000	0.000000

1129.1182

26 *Ammonia tepida*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	4379.31689	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	1495.9616	4379.31689	0.341597	1	1	1.000000	34.159702
Inner Neritic (Silt)	2861.84	4379.31689	0.653490	6	6	1.000000	65.349005
Middle Neritic	12.454867	4379.31689	0.002844	5	6	0.833333	0.237002
Outer Neritic	8.89376	4379.31689	0.002031	2	5	0.400000	0.081234
Upper Bathyal	0.166667	4379.31689	0.000038	1	6	0.166667	0.000634
Lower Bathyal	0	4379.31689	0.000000	0	9	0.000000	0.000000

4379.3169

27 *Elphidium neosimplex*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1242.204	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	1068.544	1242.204	0.860200	1	1	1.000000	86.020010
Inner Neritic (Silt)	79.456	1242.204	0.063964	4	6	0.666667	4.264249
Middle Neritic	8.7853333	1242.204	0.007072	2	6	0.333333	0.235746
Outer Neritic	0	1242.204	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.418667	1242.204	0.068764	1	6	0.166667	1.146063
Lower Bathyal	0	1242.204	0.000000	0	9	0.000000	0.000000

1242.204

28 *Cibicides sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	4805.70621	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	854.8352	4805.70621	0.177879	1	1	1.000000	17.787920
Inner Neritic (Silt)	193.1304	4805.70621	0.040188	4	6	0.666667	2.679182
Middle Neritic	97.212833	4805.70621	0.020229	6	6	1.000000	2.022863
Outer Neritic	1765.392	4805.70621	0.367353	5	5	1.000000	36.735329
Upper Bathyal	1068.7087	4805.70621	0.222383	5	6	0.833333	18.531939
Lower Bathyal	826.42711	4805.70621	0.171968	6	9	0.666667	11.464525

4805.7062

29 *Ammonia gaimardii*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	675.742413	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	641.1264	675.742413	0.948773	1	1	1.000000	94.877336
Inner Neritic (Silt)	0	675.742413	0.000000	0	6	0.000000	0.000000
Middle Neritic	3.8611333	675.742413	0.005714	3	6	0.500000	0.285696
Outer Neritic	30.75488	675.742413	0.045513	3	5	0.600000	2.730764
Upper Bathyal	0	675.742413	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	675.742413	0.000000	0	9	0.000000	0.000000

675.74241

30 *Adelosina laevigata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	216.0144	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	213.7088	216.0144	0.989327	1	1	1.000000	98.932664
Inner Neritic (Silt)	0	216.0144	0.000000	0	6	0.000000	0.000000
Middle Neritic	2.3056	216.0144	0.010673	2	6	0.333333	0.355779
Outer Neritic	0	216.0144	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	216.0144	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	216.0144	0.000000	0	9	0.000000	0.000000

216.0144

31 *Baggina indica*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	235.1904	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	235.1904	0.454331	1	1	1.000000	45.433147
Inner Neritic (Silt)	0	235.1904	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.3018667	235.1904	0.001283	1	6	0.166667	0.021392
Outer Neritic	0	235.1904	0.000000	0	5	0.000000	0.000000
Upper Bathyal	128.03413	235.1904	0.544385	2	6	0.333333	18.146168
Lower Bathyal	0	235.1904	0.000000	0	9	0.000000	0.000000

235.1904

32 *Brizalina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	999.302778	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	999.302778	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	84.8848	999.302778	0.084944	5	6	0.833333	7.078669
Middle Neritic	2.9282667	999.302778	0.002930	5	6	0.833333	0.244192
Outer Neritic	0.2	999.302778	0.000200	1	5	0.200000	0.004003
Upper Bathyal	598.01967	999.302778	0.598437	2	6	0.333333	19.947897
Lower Bathyal	313.27004	999.302778	0.313489	4	9	0.444444	13.932827

999.30278

33 *Anomalina globulosus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	157.34628	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	157.34628	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	69.0096	157.34628	0.438584	2	6	0.333333	14.619475
Middle Neritic	0.4079333	157.34628	0.002593	3	6	0.500000	0.129629
Outer Neritic	2.51008	157.34628	0.015953	1	5	0.200000	0.319052
Upper Bathyal	85.418667	157.34628	0.542871	1	6	0.166667	9.047843
Lower Bathyal	0	157.34628	0.000000	0	9	0.000000	0.000000

157.34628

34 *Fissurina ampullacea*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	138.909856	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	138.909856	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	49.3152	138.909856	0.355016	2	6	0.333333	11.833862
Middle Neritic	3.8775	138.909856	0.027914	3	6	0.500000	1.395689
Outer Neritic	0	138.909856	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.585333	138.909856	0.616121	2	6	0.333333	20.537380
Lower Bathyal	0.1318222	138.909856	0.000949	1	9	0.111111	0.010544

138.90986

35 *Oolina globosa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	335.775378	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	335.775378	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	20.024533	335.775378	0.059637	3	6	0.500000	2.981835
Middle Neritic	1.244	335.775378	0.003705	2	6	0.333333	0.123495
Outer Neritic	0	335.775378	0.000000	0	5	0.000000	0.000000
Upper Bathyal	309.504	335.775378	0.921759	4	6	0.666667	61.450605
Lower Bathyal	5.0028444	335.775378	0.014899	2	9	0.222222	0.331097

335.77538

36 *Bulimina marginata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2091.93562	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	2091.93562	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	76.802133	2091.93562	0.036713	5	6	0.833333	3.059453
Middle Neritic	1.8533333	2091.93562	0.000886	2	6	0.333333	0.029531
Outer Neritic	16.67604	2091.93562	0.007972	3	5	0.600000	0.478295
Upper Bathyal	1600.9594	2091.93562	0.765301	5	6	0.833333	63.775043
Lower Bathyal	395.64471	2091.93562	0.189129	7	9	0.777778	14.709997

2091.9356

37 *Florilus boueanum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	373.8032	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	373.8032	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	369.49387	373.8032	0.988472	4	6	0.666667	65.898110
Middle Neritic	4.3093333	373.8032	0.011528	1	6	0.166667	0.192139
Outer Neritic	0	373.8032	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	373.8032	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	373.8032	0.000000	0	9	0.000000	0.000000

373.8032

38 *Bulimina gibba*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	9.87262222	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	9.87262222	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	9.7408	9.87262222	0.986648	1	6	0.166667	16.444128
Middle Neritic	0	9.87262222	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	9.87262222	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	9.87262222	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.1318222	9.87262222	0.013352	1	9	0.111111	0.148359

9.8726222

39 *Brizalina aenariensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	7178.838	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	7178.838	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	115.6664	7178.838	0.016112	4	6	0.666667	1.074142
Middle Neritic	18.704933	7178.838	0.002606	6	6	1.000000	0.260557
Outer Neritic	5080.8	7178.838	0.707747	5	5	1.000000	70.774685
Upper Bathyal	1963.6667	7178.838	0.273535	2	6	0.333333	9.117848
Lower Bathyal	0	7178.838	0.000000	0	9	0.000000	0.000000

7178.838

40 *Nodosaria sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	232.173671	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	232.173671	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	3.1778667	232.173671	0.013687	2	6	0.333333	0.456248
Middle Neritic	1.0986667	232.173671	0.004732	2	6	0.333333	0.157736
Outer Neritic	13.36736	232.173671	0.057575	3	5	0.600000	3.454490
Upper Bathyal	213.41867	232.173671	0.919220	2	6	0.333333	30.640664
Lower Bathyal	1.1111111	232.173671	0.004786	1	9	0.111111	0.053174

232.17367

41 *Hyalinea bhaltica*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	805.717333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	805.717333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	1.2597333	805.717333	0.001563	1	6	0.166667	0.026058
Middle Neritic	0.5493333	805.717333	0.000682	2	6	0.333333	0.022726
Outer Neritic	0	805.717333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	747.008	805.717333	0.927134	3	6	0.500000	46.356704
Lower Bathyal	56.900267	805.717333	0.070621	1	9	0.111111	0.784674
	805.71733						

42 *Siphonina bradyi*[illegible]

43 *Cassidulina* sp.

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	443.140373	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	443.140373	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	1.2597333	443.140373	0.002843	1	6	0.166667	0.047379
Middle Neritic	0.1146667	443.140373	0.000259	1	6	0.166667	0.004313
Outer Neritic	14.72384	443.140373	0.033226	2	5	0.400000	1.329045
Upper Bathyal	427.04213	443.140373	0.963672	2	6	0.333333	32.122412
Lower Bathyal	0	443.140373	0.000000	0	9	0.000000	0.000000

44 *Anomalina colligera*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	937.799929	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	937.799929	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	937.799929	0.000672	1	6	0.166667	0.011194
Middle Neritic	0.6013333	937.799929	0.000641	2	6	0.333333	0.021374
Outer Neritic	2.17344	937.799929	0.002318	1	5	0.200000	0.046352
Upper Bathyal	362.78613	937.799929	0.386848	3	6	0.500000	19.342406
Lower Bathyal	571.60916	937.799929	0.609521	6	9	0.666667	40.634762

45 *Nodosaria lepidula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	13.21	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	13.21	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	7.2368	13.21	0.547827	3	6	0.500000	27.391370
Middle Neritic	5.9732	13.21	0.452173	3	6	0.500000	22.608630
Outer Neritic	0	13.21	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	13.21	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	13.21	0.000000	0	9	0.000000	0.000000

46 *Oridorsalis tenera*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1.25973333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1.25973333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	1.2597333	1.25973333	1.000000	1	6	0.166667	16.666667
Middle Neritic	0	1.25973333	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	1.25973333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	1.25973333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	1.25973333	0.000000	0	9	0.000000	0.000000

1.2597333

47 *Sphaeroidina bulloides*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	229.863733	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	229.863733	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	229.863733	0.002740	1	6	0.166667	0.045670
Middle Neritic	1.036	229.863733	0.004507	2	6	0.333333	0.150234
Outer Neritic	0	229.863733	0.000000	0	5	0.000000	0.000000
Upper Bathyal	170.73493	229.863733	0.742766	1	6	0.166667	12.379431
Lower Bathyal	57.462933	229.863733	0.249987	2	9	0.222222	5.555266

229.86373

48 *Brizalina robusta*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2685.91543	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	2685.91543	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	197.0336	2685.91543	0.073358	4	6	0.666667	4.890539
Middle Neritic	5.7361667	2685.91543	0.002136	4	6	0.666667	0.142376
Outer Neritic	672.36824	2685.91543	0.250331	4	5	0.800000	20.026490
Upper Bathyal	1493.9568	2685.91543	0.556219	4	6	0.666667	37.081257
Lower Bathyal	316.82062	2685.91543	0.117956	4	9	0.444444	5.242502

2685.9154

49 *Fissurina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1.01902222	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1.01902222	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	1.01902222	0.618109	1	6	0.166667	10.301814
Middle Neritic	0.1666667	1.01902222	0.163555	1	6	0.166667	2.725925
Outer Neritic	0	1.01902222	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	1.01902222	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.2224889	1.01902222	0.218336	1	9	0.111111	2.425952

1.0190222

50 *Bolivinita quadrilatera*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1089.47182	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1089.47182	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	1089.47182	0.000578	1	6	0.166667	0.009636
Middle Neritic	0	1089.47182	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	1089.47182	0.000000	0	5	0.000000	0.000000
Upper Bathyal	661.6064	1089.47182	0.607273	4	6	0.666667	40.484841
Lower Bathyal	427.23556	1089.47182	0.392149	2	9	0.222222	8.714428

1089.4718

51 *Siphogenerina striata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.62986667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.62986667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	0.62986667	1.000000	1	6	0.166667	16.666667
Middle Neritic	0	0.62986667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.62986667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.62986667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.62986667	0.000000	0	9	0.000000	0.000000

0.6298667

52 *Lagena sulcata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	14.90032	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	14.90032	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	14.90032	0.042272	1	6	0.166667	0.704534
Middle Neritic	3.0765333	14.90032	0.206474	4	6	0.666667	13.764954
Outer Neritic	11.19392	14.90032	0.751254	3	5	0.600000	45.075220
Upper Bathyal	0	14.90032	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	14.90032	0.000000	0	9	0.000000	0.000000

14.90032

53 *Cassidulina pacifica*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	87.944	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	87.944	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	2.5765333	87.944	0.029297	1	6	0.166667	0.488291
Middle Neritic	0	87.944	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	87.944	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	87.944	0.970703	1	6	0.166667	16.178376
Lower Bathyal	0	87.944	0.000000	0	9	0.000000	0.000000

87.944

54 *Bulimina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	454.605867	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	454.605867	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	15.332267	454.605867	0.033727	4	6	0.666667	2.248434
Middle Neritic	1.2282667	454.605867	0.002702	2	6	0.333333	0.090061
Outer Neritic	0.2	454.605867	0.000440	1	5	0.200000	0.008799
Upper Bathyal	266.83733	454.605867	0.586964	3	6	0.500000	29.348206
Lower Bathyal	171.008	454.605867	0.376168	1	9	0.111111	4.179640

454.60587

55 *Cibicides refulgens*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	3.20186667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	3.20186667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	2.5765333	3.20186667	0.804697	1	6	0.166667	13.411621
Middle Neritic	0.6253333	3.20186667	0.195303	2	6	0.333333	6.510091
Outer Neritic	0	3.20186667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	3.20186667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	3.20186667	0.000000	0	9	0.000000	0.000000

3.2018667

56 *Anomalina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	93.5274667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	93.5274667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	7.7253333	93.5274667	0.082600	2	6	0.333333	2.753321
Middle Neritic	0.4346667	93.5274667	0.004647	1	6	0.166667	0.077458
Outer Neritic	0	93.5274667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	93.5274667	0.912753	1	6	0.166667	15.212548
Lower Bathyal	0	93.5274667	0.000000	0	9	0.000000	0.000000

93.527467

57 *Uvigerina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	537.4896	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	537.4896	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.824	537.4896	0.001533	1	6	0.166667	0.025551
Middle Neritic	0	537.4896	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.2	537.4896	0.000372	1	5	0.200000	0.007442
Upper Bathyal	192.08533	537.4896	0.357375	3	6	0.500000	17.868749
Lower Bathyal	344.38027	537.4896	0.640720	4	9	0.444444	28.476439

537.4896

58 *Bolivina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	246.147733	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	246.147733	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	6.8330667	246.147733	0.027760	1	6	0.166667	0.462667
Middle Neritic	0.1146667	246.147733	0.000466	1	6	0.166667	0.007764
Outer Neritic	239.2	246.147733	0.971774	1	5	0.200000	19.435483
Upper Bathyal	0	246.147733	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	246.147733	0.000000	0	9	0.000000	0.000000

246.14773

59 *Lagena semilineata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	91.8928889	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	91.8928889	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	3.4506667	91.8928889	0.037551	1	6	0.166667	0.625849
Middle Neritic	1.244	91.8928889	0.013538	2	6	0.333333	0.451250
Outer Neritic	0	91.8928889	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.418667	91.8928889	0.929546	1	6	0.166667	15.492433
Lower Bathyal	1.7795556	91.8928889	0.019366	1	9	0.111111	0.215173

91.892889

60 *Lagena laevis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	178.913813	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	178.913813	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	3.4506667	178.913813	0.019287	1	6	0.166667	0.321446
Middle Neritic	2.1157333	178.913813	0.011825	3	6	0.500000	0.591272
Outer Neritic	2.51008	178.913813	0.014030	1	5	0.200000	0.280591
Upper Bathyal	170.83733	178.913813	0.954858	1	6	0.166667	15.914304
Lower Bathyal	0	178.913813	0.000000	0	9	0.000000	0.000000

178.91381

61 *Nonion scaphum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	76.6216133	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	76.6216133	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	76.6216133	0.000000	0	6	0.000000	0.000000
Middle Neritic	17.473333	76.6216133	0.228047	5	6	0.833333	19.003921
Outer Neritic	59.14828	76.6216133	0.771953	4	5	0.800000	61.756236
Upper Bathyal	0	76.6216133	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	76.6216133	0.000000	0	9	0.000000	0.000000

76.621613

62 *Canceris auriculus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	115.3292	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	115.3292	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	115.3292	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.5286667	115.3292	0.013255	3	6	0.500000	0.662741
Outer Neritic	0	115.3292	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	115.3292	0.000000	0	6	0.000000	0.000000
Lower Bathyal	113.80053	115.3292	0.986745	1	9	0.111111	10.963835

115.3292

63 *Neouvigerina ampullacea*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	808.261273	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	808.261273	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	808.261273	0.000000	0	6	0.000000	0.000000
Middle Neritic	5.4040333	808.261273	0.006686	5	6	0.833333	0.557167
Outer Neritic	290.65244	808.261273	0.359602	3	5	0.600000	21.576125
Upper Bathyal	512.2048	808.261273	0.633712	1	6	0.166667	10.561865
Lower Bathyal	0	808.261273	0.000000	0	9	0.000000	0.000000

808.26127

64 *Calcarina splengeri*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	96.85408	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	96.85408	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	96.85408	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.192	96.85408	0.012307	2	6	0.333333	0.410239
Outer Neritic	95.66208	96.85408	0.987693	1	5	0.200000	19.753857
Upper Bathyal	0	96.85408	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	96.85408	0.000000	0	9	0.000000	0.000000

96.85408

65 *Oolina striata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	86.7124	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	86.7124	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	86.7124	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.362	86.7124	0.015707	2	6	0.333333	0.523570
Outer Neritic	0	86.7124	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.3504	86.7124	0.984293	1	6	0.166667	16.404882
Lower Bathyal	0	86.7124	0.000000	0	9	0.000000	0.000000

86.7124

66 *Discorbis sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1.57733333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1.57733333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1.57733333	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.5773333	1.57733333	1.000000	2	6	0.333333	33.333333
Outer Neritic	0	1.57733333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	1.57733333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	1.57733333	0.000000	0	9	0.000000	0.000000

1.5773333

67 *Lagena substriata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	3.75408	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	3.75408	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	3.75408	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.244	3.75408	0.331373	2	6	0.333333	11.045760
Outer Neritic	2.51008	3.75408	0.668627	1	5	0.200000	13.372544
Upper Bathyal	0	3.75408	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	3.75408	0.000000	0	9	0.000000	0.000000

3.75408

68 *Siphonaperta sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2.15466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	2.15466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	2.15466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	2.1546667	2.15466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	2.15466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	2.15466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	2.15466667	0.000000	0	9	0.000000	0.000000

2.1546667

69 *Heterolepa praecincta*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	837.420053	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	837.420053	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	837.420053	0.000000	0	6	0.000000	0.000000
Middle Neritic	5.8573333	837.420053	0.006994	2	6	0.333333	0.233150
Outer Neritic	98.03552	837.420053	0.117069	3	5	0.600000	7.024111
Upper Bathyal	448.256	837.420053	0.535282	3	6	0.500000	26.764107
Lower Bathyal	285.2712	837.420053	0.340655	3	9	0.333333	11.355162

837.42005

70 *Bombulina echinata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.33333333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.33333333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.33333333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.3333333	0.33333333	1.000000	2	6	0.333333	33.333333
Outer Neritic	0	0.33333333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.33333333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.33333333	0.000000	0	9	0.000000	0.000000

0.3333333

71 *Brizalina striatula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	459.473707	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	459.473707	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	459.473707	0.000000	0	6	0.000000	0.000000
Middle Neritic	2.7746667	459.473707	0.006039	2	6	0.333333	0.201293
Outer Neritic	200.34464	459.473707	0.436031	4	5	0.800000	34.882456
Upper Bathyal	256.3544	459.473707	0.557931	3	6	0.500000	27.896526
Lower Bathyal	0	459.473707	0.000000	0	9	0.000000	0.000000

459.47371

72 *Nonionella simplex*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.33333333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.33333333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.33333333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.3333333	0.33333333	1.000000	2	6	0.333333	33.333333
Outer Neritic	0	0.33333333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.33333333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.33333333	0.000000	0	9	0.000000	0.000000

0.3333333

73 *Elphidium advenum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.14233333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.14233333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.14233333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1423333	0.14233333	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.14233333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.14233333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.14233333	0.000000	0	9	0.000000	0.000000

0.1423333

74 *Brizalina earlandi*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	376.755487	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	376.755487	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	376.755487	0.000000	0	6	0.000000	0.000000
Middle Neritic	3.9610333	376.755487	0.010514	2	6	0.333333	0.350451
Outer Neritic	230.47552	376.755487	0.611738	3	5	0.600000	36.704260
Upper Bathyal	85.418667	376.755487	0.226722	1	6	0.166667	3.778696
Lower Bathyal	56.900267	376.755487	0.151027	1	9	0.111111	1.678078

376.75549

75 *Asterorotalia sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.15093333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.15093333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.15093333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1509333	0.15093333	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.15093333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.15093333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.15093333	0.000000	0	9	0.000000	0.000000

0.1509333

76 *Lenticulina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	580.67096	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	580.67096	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	580.67096	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.2293333	580.67096	0.000395	1	6	0.166667	0.006582
Outer Neritic	11.12736	580.67096	0.019163	3	5	0.600000	1.149776
Upper Bathyal	341.6108	580.67096	0.588304	4	6	0.666667	39.220238
Lower Bathyal	227.70347	580.67096	0.392139	2	9	0.222222	8.714190

580.67096

77 *Baculogypsinoidea spinosus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.11466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.11466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.11466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	0.11466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.11466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.11466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.11466667	0.000000	0	9	0.000000	0.000000

0.1146667

78 *Planorbulinella larvata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.11466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.11466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.11466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	0.11466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.11466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.11466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.11466667	0.000000	0	9	0.000000	0.000000

0.1146667

79 *Lenticulina vortex*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.11466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.11466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.11466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	0.11466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.11466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.11466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.11466667	0.000000	0	9	0.000000	0.000000

0.1146667

80 *Gyroidina neosoldanii*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	342.499156	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	342.499156	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	342.499156	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.2293333	342.499156	0.000670	1	6	0.166667	0.011160
Outer Neritic	0.2	342.499156	0.000584	1	5	0.200000	0.011679
Upper Bathyal	341.54253	342.499156	0.997207	3	6	0.500000	49.860347
Lower Bathyal	0.5272889	342.499156	0.001540	1	9	0.111111	0.017106

342.49916

81 *Astacolus crepidulus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.1146667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.1146667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.1146667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	0.1146667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.1146667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.1146667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.1146667	0.000000	0	9	0.000000	0.000000

0.1146667

82 *Glandulina laevigata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.1146667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.1146667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.1146667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	0.1146667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.1146667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.1146667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.1146667	0.000000	0	9	0.000000	0.000000

0.1146667

83 *Siphonina tubulosa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	47.9457067	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	47.9457067	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	47.9457067	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	47.9457067	0.002392	1	6	0.166667	0.039860
Outer Neritic	47.83104	47.9457067	0.997608	1	5	0.200000	19.952168
Upper Bathyal	0	47.9457067	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	47.9457067	0.000000	0	9	0.000000	0.000000

47.945707

84 *Vulvulina pennatula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	221.8224	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	221.8224	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	221.8224	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.304	221.8224	0.005879	1	6	0.166667	0.097976
Outer Neritic	0	221.8224	0.000000	0	5	0.000000	0.000000
Upper Bathyal	106.71787	221.8224	0.481096	2	6	0.333333	16.036533
Lower Bathyal	113.80053	221.8224	0.513025	1	9	0.111111	5.700283

221.8224

85 *Gyroidina broeckhiana*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1327.64382	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1327.64382	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1327.64382	0.000000	0	6	0.000000	0.000000
Middle Neritic	3.912	1327.64382	0.002947	1	6	0.166667	0.049110
Outer Neritic	1152.672	1327.64382	0.868209	3	5	0.600000	52.092526
Upper Bathyal	170.83733	1327.64382	0.128677	1	6	0.166667	2.144618
Lower Bathyal	0.2224889	1327.64382	0.000168	1	9	0.111111	0.001862

1327.6438

86 *Lenticulina orbicularis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1311.63458	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1311.63458	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1311.63458	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.7386667	1311.63458	0.001326	1	6	0.166667	0.022093
Outer Neritic	104.936	1311.63458	0.080004	4	5	0.800000	6.400319
Upper Bathyal	747.26	1311.63458	0.569717	5	6	0.833333	47.476384
Lower Bathyal	457.69991	1311.63458	0.348954	3	9	0.333333	11.631794

1311.6346

87 *Planularia australis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.56138667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.56138667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.56138667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	0.56138667	0.774273	1	6	0.166667	12.904554
Outer Neritic	0.12672	0.56138667	0.225727	1	5	0.200000	4.514535
Upper Bathyal	0	0.56138667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.56138667	0.000000	0	9	0.000000	0.000000

0.5613867

88 *Saracenaria italica*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	171.514187	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	171.514187	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	171.514187	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	171.514187	0.002534	1	6	0.166667	0.042238
Outer Neritic	0.12672	171.514187	0.000739	1	5	0.200000	0.014777
Upper Bathyal	170.9528	171.514187	0.996727	3	6	0.500000	49.836344
Lower Bathyal	0	171.514187	0.000000	0	9	0.000000	0.000000

171.51419

89 *Eponides schreibersi*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	3.04277333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	3.04277333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	3.04277333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.8693333	3.04277333	0.285704	1	6	0.166667	4.761738
Outer Neritic	2.17344	3.04277333	0.714296	1	5	0.200000	14.285915
Upper Bathyal	0	3.04277333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	3.04277333	0.000000	0	9	0.000000	0.000000

3.0427733

90 *Guttulina problema*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.43466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.43466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.43466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	0.43466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.43466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.43466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.43466667	0.000000	0	9	0.000000	0.000000

0.4346667

91 *Brizalina alata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.43466667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.43466667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.43466667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	0.43466667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.43466667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.43466667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.43466667	0.000000	0	9	0.000000	0.000000

0.4346667

92 *Nodosaria albatrossi*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1.28944	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1.28944	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1.28944	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.8693333	1.28944	0.674194	1	6	0.166667	11.236575
Outer Neritic	0.25344	1.28944	0.196550	1	5	0.200000	3.931009
Upper Bathyal	0.1666667	1.28944	0.129255	1	6	0.166667	2.154251
Lower Bathyal	0	1.28944	0.000000	0	9	0.000000	0.000000

1.28944

93 *Lenticulina calcar*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	513.325333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	513.325333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	513.325333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.8693333	513.325333	0.001694	1	6	0.166667	0.028226
Outer Neritic	0.2	513.325333	0.000390	1	5	0.200000	0.007792
Upper Bathyal	512.256	513.325333	0.997917	2	6	0.333333	33.263895
Lower Bathyal	0	513.325333	0.000000	0	9	0.000000	0.000000

513.32533

94 *Siphogenerina tropica*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.60133333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.60133333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.60133333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	0.60133333	0.722838	1	6	0.166667	12.047302
Outer Neritic	0	0.60133333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0.1666667	0.60133333	0.277162	1	6	0.166667	4.619364
Lower Bathyal	0	0.60133333	0.000000	0	9	0.000000	0.000000

0.6013333

95 *Amphicoryna scalaris*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	299.152	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	299.152	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	299.152	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	299.152	0.001453	1	6	0.166667	0.024217
Outer Neritic	13.704	299.152	0.045809	4	5	0.800000	3.664759
Upper Bathyal	0	299.152	0.000000	0	6	0.000000	0.000000
Lower Bathyal	285.01333	299.152	0.952738	1	9	0.111111	10.585972

299.152

96 *Nodosaria catesbyi*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1.304	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1.304	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1.304	0.000000	0	6	0.000000	0.000000
Middle Neritic	1.304	1.304	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	1.304	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	1.304	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	1.304	0.000000	0	9	0.000000	0.000000

1.304

97 *Virgulina pauciloculata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	8.10140444	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	8.10140444	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	8.10140444	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	8.10140444	0.000000	0	6	0.000000	0.000000
Outer Neritic	7.65696	8.10140444	0.945140	2	5	0.400000	37.805593
Upper Bathyal	0	8.10140444	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.4444444	8.10140444	0.054860	1	9	0.111111	0.609557

8.1014044

98 *Heterolepa subhaidingeri*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2.17344	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	2.17344	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	2.17344	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	2.17344	0.000000	0	6	0.000000	0.000000
Outer Neritic	2.17344	2.17344	1.000000	1	5	0.200000	20.000000
Upper Bathyal	0	2.17344	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	2.17344	0.000000	0	9	0.000000	0.000000

2.17344

99 *Trifarina bradyi*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2.34010667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	2.34010667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	2.34010667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	2.34010667	0.000000	0	6	0.000000	0.000000
Outer Neritic	2.17344	2.34010667	0.928778	1	5	0.200000	18.575564
Upper Bathyal	0.1666667	2.34010667	0.071222	1	6	0.166667	1.187030
Lower Bathyal	0	2.34010667	0.000000	0	9	0.000000	0.000000

2.3401067

100 *Hoeglundina elegans*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	1206.29659	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	1206.29659	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	1206.29659	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	1206.29659	0.000000	0	6	0.000000	0.000000
Outer Neritic	6.52032	1206.29659	0.005405	1	5	0.200000	0.108105
Upper Bathyal	853.62347	1206.29659	0.707640	2	6	0.333333	23.587993
Lower Bathyal	346.1528	1206.29659	0.286955	5	9	0.555556	15.941943

1206.2966

101 *Planularia sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	144.492373	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	144.492373	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	144.492373	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	144.492373	0.000000	0	6	0.000000	0.000000
Outer Neritic	2.17344	144.492373	0.015042	1	5	0.200000	0.300838
Upper Bathyal	85.418667	144.492373	0.591164	1	6	0.166667	9.852731
Lower Bathyal	56.900267	144.492373	0.393794	1	9	0.111111	4.375492

144.49237

102 *Neouvigerina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	48.3412089	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	48.3412089	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	48.3412089	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	48.3412089	0.000000	0	6	0.000000	0.000000
Outer Neritic	4.60032	48.3412089	0.095164	2	5	0.400000	3.806541
Upper Bathyal	42.8504	48.3412089	0.886416	2	6	0.333333	29.547186
Lower Bathyal	0.8904889	48.3412089	0.018421	1	9	0.111111	0.204677

48.341209

103 *Dentalina communis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	713.866418	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	713.866418	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	713.866418	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	713.866418	0.000000	0	6	0.000000	0.000000
Outer Neritic	2.17344	713.866418	0.003045	1	5	0.200000	0.060892
Upper Bathyal	341.48693	713.866418	0.478363	3	6	0.500000	23.918126
Lower Bathyal	370.20604	713.866418	0.518593	4	9	0.444444	23.048573

713.86642

104 *Amphicoryna separans*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	59.3427733	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	59.3427733	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	59.3427733	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	59.3427733	0.000000	0	6	0.000000	0.000000
Outer Neritic	2.17344	59.3427733	0.036625	1	5	0.200000	0.732504
Upper Bathyal	0.1666667	59.3427733	0.002809	1	6	0.166667	0.046809
Lower Bathyal	57.002667	59.3427733	0.960566	1	9	0.111111	10.672959

59.342773

105 *Eponides procera*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2.09450667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	2.09450667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	2.09450667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	2.09450667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.25344	2.09450667	0.121002	1	5	0.200000	2.420045
Upper Bathyal	0	2.09450667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	1.8410667	2.09450667	0.878998	1	9	0.111111	9.766642

2.0945067

106 *Lenticulina peregrina*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	227.86432	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	227.86432	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	227.86432	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	227.86432	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.12672	227.86432	0.000556	1	5	0.200000	0.011122
Upper Bathyal	170.73493	227.86432	0.749283	1	6	0.166667	12.488055
Lower Bathyal	57.002667	227.86432	0.250161	1	9	0.111111	2.779562
	227.86432						

107 *Nonion subturgidum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.38016	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	0.38016	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.38016	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.38016	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.38016	0.38016	1.000000	1	5	0.200000	20.000000
Upper Bathyal	0	0.38016	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.38016	0.000000	0	9	0.000000	0.000000
	0.38016						

108 *Vaginulina* sp.[illegible]109 *Cassidulina laevigata*[illegible]110 *Nodosaria radicula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	114.000533	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	114.000533	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	114.000533	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	114.000533	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.2	114.000533	0.001754	1	5	0.200000	0.035088
Upper Bathyal	0	114.000533	0.000000	0	6	0.000000	0.000000
Lower Bathyal	113.80053	114.000533	0.998246	1	9	0.111111	11.091618
	114.00053						

111 *Uvigerina peregrina*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	2076.88933	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	2076.88933	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	2076.88933	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	2076.88933	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.2	2076.88933	0.000096	1	5	0.200000	0.001926
Upper Bathyal	939.1576	2076.88933	0.452194	4	6	0.666667	30.146289
Lower Bathyal	1137.5317	2076.88933	0.547709	6	9	0.666667	36.513958
		2076.8893					

112 *Siphogenerina* sp.

Environment	N _{ij}	N _i	A _{ij}	M _{ij}	M _i	B _{ij}	IV _{ij}
Transitional	0	0.2	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	0.2	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.2	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.2	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.2	0.2	1.000000	1	5	0.200000	20.000000
Upper Bathyal	0	0.2	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.2	0.000000	0	9	0.000000	0.000000

113 *Uvigerina schwageri*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	209.62928	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	209.62928	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	209.62928	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	209.62928	0.000000	0	6	0.000000	0.000000
Outer Neritic	95.66208	209.62928	0.456339	1	5	0.200000	9.126786
Upper Bathyal	0.1666667	209.62928	0.000795	1	6	0.166667	0.013251
Lower Bathyal	113.80053	209.62928	0.542866	1	9	0.111111	6.031840
	209.62928						

114 *Pullenia subcarinata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	173.997244	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	173.997244	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	173.997244	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	173.997244	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	173.997244	0.000000	0	5	0.000000	0.000000
Upper Bathyal	170.86747	173.997244	0.982012	2	6	0.333333	32.733750
Lower Bathyal	3.1297778	173.997244	0.017988	3	9	0.333333	0.599584

115 *Lingulina galapagoensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.16666667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	0.16666667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.16666667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.16666667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.16666667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0.1666667	0.16666667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	0.16666667	0.000000	0	9	0.000000	0.000000

116 *Eponides sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	341.819467	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	341.819467	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	341.819467	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	341.819467	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.2	341.819467	0.000585	1	5	0.200000	0.011702
Upper Bathyal	341.61947	341.819467	0.999415	3	6	0.500000	49.970745
Lower Bathyal	0	341.819467	0.000000	0	9	0.000000	0.000000

341.81947

117 *Dentalina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	498.3256	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	498.3256	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	498.3256	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	498.3256	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	498.3256	0.000000	0	5	0.000000	0.000000
Upper Bathyal	384.32027	498.3256	0.771223	3	6	0.500000	38.561160
Lower Bathyal	114.00533	498.3256	0.228777	1	9	0.111111	2.541964

498.3256

118 *Rectobolivina bifrons*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	484.1432	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	484.1432	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	484.1432	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	484.1432	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	484.1432	0.000000	0	5	0.000000	0.000000
Upper Bathyal	427.14053	484.1432	0.882261	4	6	0.666667	58.817382
Lower Bathyal	57.002667	484.1432	0.117739	1	9	0.111111	1.308214

484.1432

119 *Uvigerina asperula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	3927.97787	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	3927.97787	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	3927.97787	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	3927.97787	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	3927.97787	0.000000	0	5	0.000000	0.000000
Upper Bathyal	3586.3715	3927.97787	0.913033	4	6	0.666667	60.868834
Lower Bathyal	341.6064	3927.97787	0.086967	2	9	0.222222	1.932611

3927.9779

120 *Discorbina orbicularis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3674667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3674667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3674667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3674667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3674667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	85.3674667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3674667	0.000000	0	9	0.000000	0.000000

85.367467

121 *Globocassidulina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	427.242222	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	427.242222	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	427.242222	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	427.242222	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	427.242222	0.000000	0	5	0.000000	0.000000
Upper Bathyal	256.2048	427.242222	0.599671	2	6	0.333333	19.989036
Lower Bathyal	171.03742	427.242222	0.400329	3	9	0.333333	13.344298

427.24222

122 *Planularia gemmata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3674667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3674667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3674667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3674667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3674667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	85.3674667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3674667	0.000000	0	9	0.000000	0.000000

85.367467

123 *Hemirobulina galapagoensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3674667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3674667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3674667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3674667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3674667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	85.3674667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3674667	0.000000	0	9	0.000000	0.000000

85.367467

124 *Siphogenerina dimorpha*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	370.158933	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	370.158933	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	370.158933	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	370.158933	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	370.158933	0.000000	0	5	0.000000	0.000000
Upper Bathyal	256.1536	370.158933	0.692010	2	6	0.333333	23.066992
Lower Bathyal	114.00533	370.158933	0.307990	1	9	0.111111	3.422114

370.15893

125 *Siphogenerina collumelaris*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	256.1024	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	256.1024	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	256.1024	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	256.1024	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	256.1024	0.000000	0	5	0.000000	0.000000
Upper Bathyal	256.1024	256.1024	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	256.1024	0.000000	0	9	0.000000	0.000000

256.1024

126 *Siphonina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3674667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3674667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3674667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3674667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3674667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	85.3674667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3674667	0.000000	0	9	0.000000	0.000000

85.367467

127 *Sigmoilopsis schlumbergeri*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	256.1536	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	256.1536	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	256.1536	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	256.1536	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	256.1536	0.000000	0	5	0.000000	0.000000
Upper Bathyal	256.1536	256.1536	1.000000	2	6	0.333333	33.333333
Lower Bathyal	0	256.1536	0.000000	0	9	0.000000	0.000000

256.1536

128 *Bolivinita subangularis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	427.093333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	427.093333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	427.093333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	427.093333	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	427.093333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	427.09333	427.093333	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	427.093333	0.000000	0	9	0.000000	0.000000

427.09333

129 *Astacolus insolitus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.4186667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.4186667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.4186667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.4186667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.4186667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.418667	85.4186667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.4186667	0.000000	0	9	0.000000	0.000000

85.418667

130 *Bolivina hantkeniana*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.4186667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.4186667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.4186667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.4186667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.4186667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.418667	85.4186667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.4186667	0.000000	0	9	0.000000	0.000000

85.418667

131 *Bigenerina nodosaria*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.4186667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.4186667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.4186667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.4186667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.4186667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.418667	85.4186667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.4186667	0.000000	0	9	0.000000	0.000000

85.418667

132 *Oridorsalis umbonatus*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	428.095911	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	428.095911	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	428.095911	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	428.095911	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	428.095911	0.000000	0	5	0.000000	0.000000
Upper Bathyal	256.0512	428.095911	0.598116	1	6	0.166667	9.968607
Lower Bathyal	172.04471	428.095911	0.401884	4	9	0.444444	17.861492

428.09591

133 *Ammonia supera*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	352.085333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	352.085333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	352.085333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	352.085333	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	352.085333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	352.08533	352.085333	1.000000	2	6	0.333333	33.333333
Lower Bathyal	0	352.085333	0.000000	0	9	0.000000	0.000000

352.08533

134 *Globobulimina notovata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	256.578489	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	256.578489	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	256.578489	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	256.578489	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	256.578489	0.000000	0	5	0.000000	0.000000
Upper Bathyal	170.7008	256.578489	0.665297	1	6	0.166667	11.088277
Lower Bathyal	85.877689	256.578489	0.334703	2	9	0.222222	7.437853

256.57849

135 *Planulina ariminensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	366.728533	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	366.728533	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	366.728533	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	366.728533	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	366.728533	0.000000	0	5	0.000000	0.000000
Upper Bathyal	138.71787	366.728533	0.378258	3	6	0.500000	18.912882
Lower Bathyal	228.01067	366.728533	0.621742	1	9	0.111111	6.908249

366.72853

136 *Pyrgo lucernula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3504	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3504	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3504	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3504	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3504	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.3504	85.3504	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3504	0.000000	0	9	0.000000	0.000000

85.3504

137 *Globobulimina pacifica*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	260.166311	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	260.166311	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	260.166311	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	260.166311	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	260.166311	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	260.166311	0.328127	1	6	0.166667	5.468775
Lower Bathyal	174.79884	260.166311	0.671873	4	9	0.444444	29.861043

260.16631

138 *Ceratobulimina contraria*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	298.769067	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	298.769067	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	298.769067	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	298.769067	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	298.769067	0.000000	0	5	0.000000	0.000000
Upper Bathyal	213.41867	298.769067	0.714327	1	6	0.166667	11.905442
Lower Bathyal	85.3504	298.769067	0.285673	1	9	0.111111	3.174150

298.76907

139 *Amphicoryna sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	57.002667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	57.002667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	57.002667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	57.002667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	57.002667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	57.002667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	57.002667	57.002667	1.000000	1	9	0.111111	11.111111

57.002667

140 *Lagena hispidula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	57.6854222	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	57.6854222	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	57.6854222	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	57.6854222	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	57.6854222	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	57.6854222	0.000000	0	6	0.000000	0.000000
Lower Bathyal	57.685422	57.6854222	1.000000	3	9	0.333333	33.333333

57.685422

141 *Marginulina obesa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	57.0026667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	57.0026667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	57.0026667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	57.0026667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	57.0026667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	57.0026667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	57.002667	57.0026667	1.000000	1	9	0.111111	11.111111

57.002667

142 *Planulina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	33.5972444	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	33.5972444	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	33.5972444	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	33.5972444	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	33.5972444	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	33.5972444	0.000000	0	6	0.000000	0.000000
Lower Bathyal	33.597244	33.5972444	1.000000	4	9	0.444444	44.444444

33.597244

143 *Ceratocancris clifdenensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.89048889	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.89048889	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.89048889	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.89048889	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.89048889	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.89048889	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.8904889	0.89048889	1.000000	1	9	0.111111	11.111111

0.8904889

144 *Astacolus sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	56.9002667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	56.9002667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	56.9002667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	56.9002667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	56.9002667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	56.9002667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	56.900267	56.9002667	1.000000	1	9	0.111111	11.111111

56.900267

145 *Lenticulina iota*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	170.7008	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	170.7008	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	170.7008	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	170.7008	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	170.7008	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	170.7008	0.000000	0	6	0.000000	0.000000
Lower Bathyal	170.7008	170.7008	1.000000	1	9	0.111111	11.111111

170.7008

146 *Amphicoryna hirsuta*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	113.800533	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	113.800533	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	113.800533	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	113.800533	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	113.800533	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	113.800533	0.000000	0	6	0.000000	0.000000
Lower Bathyal	113.80053	113.800533	1.000000	1	9	0.111111	11.111111

113.80053

147 *Laticarinina pauperata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	113.823289	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	113.823289	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	113.823289	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	113.823289	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	113.823289	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	113.823289	0.000000	0	6	0.000000	0.000000
Lower Bathyal	113.82329	113.823289	1.000000	1	9	0.111111	11.111111

113.82329

148 *Nodosaria flintii*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	56.9116444	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	56.9116444	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	56.9116444	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	56.9116444	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	56.9116444	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	56.9116444	0.000000	0	6	0.000000	0.000000
Lower Bathyal	56.911644	56.9116444	1.000000	1	9	0.111111	11.111111

56.911644

149 *Planulina wuellerstorfi*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.66666667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	0.66666667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.66666667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.66666667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.66666667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.66666667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.66666667	0.66666667	1.000000	1	9	0.111111	11.111111

0.66666667

150 *Lagena* sp.

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.72391111	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S)	0	0.72391111	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.72391111	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.72391111	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.72391111	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.72391111	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.7239111	0.72391111	1.000000	2	9	0.222222	22.222222

0.7239111

151 *Bulimina aculeata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.79093333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.79093333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.79093333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.79093333	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.79093333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.79093333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.7909333	0.79093333	1.000000	1	9	0.111111	11.111111

0.7909333

152 *Fissurina unguiculata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.11111111	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.11111111	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.11111111	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	0.11111111	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.11111111	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.11111111	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.1111111	0.11111111	1.000000	1	9	0.111111	11.111111

0.1111111

153 *Quinqueloculina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	136.088	689.957967	0.197241	2	2	1.000000	19.724100
Inner Neritic (Fine S	320.5632	689.957967	0.464613	1	1	1.000000	46.461265
Inner Neritic (Silt)	173.78427	689.957967	0.251877	6	6	1.000000	25.187660
Middle Neritic	6.2110333	689.957967	0.009002	4	6	0.666667	0.600136
Outer Neritic	52.8512	689.957967	0.076601	2	5	0.400000	3.064024
Upper Bathyal	0	689.957967	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0.4602667	689.957967	0.000667	1	9	0.111111	0.007412

689.95797

154 *Quinqueloculina granulocostata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	144.0864	1520.21009	0.094781	1	2	0.500000	4.739029
Inner Neritic (Fine S	106.8544	1520.21009	0.070289	1	1	1.000000	7.028923
Inner Neritic (Silt)	386.77307	1520.21009	0.254421	5	6	0.833333	21.201733
Middle Neritic	86.3036	1520.21009	0.056771	6	6	1.000000	5.677084
Outer Neritic	26.93076	1520.21009	0.017715	3	5	0.600000	1.062909
Upper Bathyal	768.34133	1520.21009	0.505418	3	6	0.500000	25.270893
Lower Bathyal	0.9205333	1520.21009	0.000606	1	9	0.111111	0.006728

1520.2101

155 *Quinqueloculina lamarckiana*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	862.4648	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	854.8352	862.4648	0.991154	1	1	1.000000	99.115373
Inner Neritic (Silt)	7.4629333	862.4648	0.008653	2	6	0.333333	0.288434
Middle Neritic	0	862.4648	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	862.4648	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0.1666667	862.4648	0.000193	1	6	0.166667	0.003221
Lower Bathyal	0	862.4648	0.000000	0	9	0.000000	0.000000

862.4648

156 *Quinqueloculina crassicarinata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	261.86656	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	213.7088	261.86656	0.816098	1	1	1.000000	81.609809
Inner Neritic (Silt)	0	261.86656	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	261.86656	0.000000	0	6	0.000000	0.000000
Outer Neritic	48.15776	261.86656	0.183902	3	5	0.600000	11.034114
Upper Bathyal	0	261.86656	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	261.86656	0.000000	0	9	0.000000	0.000000

261.86656

157 *Quinqueloculina angulariformis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	35.6181333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	35.618133	35.6181333	1.000000	1	3	0.333333	33.333333
Inner Neritic (Silt)	0	35.6181333	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	35.6181333	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	35.6181333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	35.6181333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	35.6181333	0.000000	0	9	0.000000	0.000000

35.618133

158 *Quinqueloculina parkeri*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	106.969067	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	106.969067	0.998928	1	1	1.000000	99.892804
Inner Neritic (Silt)	0	106.969067	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	106.969067	0.001072	1	6	0.166667	0.017866
Outer Neritic	0	106.969067	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	106.969067	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	106.969067	0.000000	0	9	0.000000	0.000000

106.96907

159 *Quinqueloculina strigillata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	107.0544	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	107.0544	0.998132	1	1	1.000000	99.813179
Inner Neritic (Silt)	0	107.0544	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	107.0544	0.000000	0	6	0.000000	0.000000
Outer Neritic	0.2	107.0544	0.001868	1	5	0.200000	0.037364
Upper Bathyal	0	107.0544	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	107.0544	0.000000	0	9	0.000000	0.000000

107.0544

160 *Quinqueloculina philipinensis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	116.919467	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	116.919467	0.913915	1	1	1.000000	91.391453
Inner Neritic (Silt)	6.8330667	116.919467	0.058443	1	6	0.166667	0.974042
Middle Neritic	3.232	116.919467	0.027643	1	6	0.166667	0.460716
Outer Neritic	0	116.919467	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	116.919467	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	116.919467	0.000000	0	9	0.000000	0.000000

116.91947

161 *Spiroloculina scrobiculata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	126.336	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	126.336	0.845795	1	1	1.000000	84.579534
Inner Neritic (Silt)	19.4816	126.336	0.154205	1	6	0.166667	2.570078
Middle Neritic	0	126.336	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	126.336	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	126.336	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	126.336	0.000000	0	9	0.000000	0.000000

126.336

162 *Spiroloculina depressa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	274.878667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	106.8544	274.878667	0.388733	1	1	1.000000	38.873297
Inner Neritic (Silt)	16.039467	274.878667	0.058351	2	6	0.333333	1.945036
Middle Neritic	11.8296	274.878667	0.043036	4	6	0.666667	2.869048
Outer Neritic	54.8048	274.878667	0.199378	4	5	0.800000	15.950252
Upper Bathyal	85.3504	274.878667	0.310502	1	6	0.166667	5.175035
Lower Bathyal	0	274.878667	0.000000	0	9	0.000000	0.000000

274.87867

163 *Triloculina trigonula*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	529.460307	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	213.7088	529.460307	0.403635	1	1	1.000000	40.363517
Inner Neritic (Silt)	11.6304	529.460307	0.021967	2	6	0.333333	0.732217
Middle Neritic	0.2388667	529.460307	0.000451	2	6	0.333333	0.015038
Outer Neritic	47.83104	529.460307	0.090339	1	5	0.200000	1.806785
Upper Bathyal	256.0512	529.460307	0.483608	1	6	0.166667	8.060132
Lower Bathyal	0	529.460307	0.000000	0	9	0.000000	0.000000

529.46031

164 *Miliolinella subrotunda*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	68.1856	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	68.1856	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	68.1856	68.1856	1.000000	1	6	0.166667	16.666667
Middle Neritic	0	68.1856	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	68.1856	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	68.1856	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	68.1856	0.000000	0	9	0.000000	0.000000

68.1856

165 *Edentostomina cultrata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	20.1114667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	20.1114667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	20.111467	20.1114667	1.000000	2	6	0.333333	33.333333
Middle Neritic	0	20.1114667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	20.1114667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	20.1114667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	20.1114667	0.000000	0	9	0.000000	0.000000

20.111467

166 *Quinqueloculina tropicalis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	380.623447	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	380.623447	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	19.4816	380.623447	0.051183	1	6	0.166667	0.853057
Middle Neritic	15.2227	380.623447	0.039994	5	6	0.833333	3.332843
Outer Neritic	4.34688	380.623447	0.011420	1	5	0.200000	0.228408
Upper Bathyal	341.57227	380.623447	0.897402	2	6	0.333333	29.913402
Lower Bathyal	0	380.623447	0.000000	0	9	0.000000	0.000000

380.62345

167 *Quinqueloculina bicornis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.62986667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.62986667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0.6298667	0.62986667	1.000000	1	6	0.166667	16.666667
Middle Neritic	0	0.62986667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	0.62986667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.62986667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.62986667	0.000000	0	9	0.000000	0.000000

0.6298667

168 *Triloculina tricarinata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	246.89804	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	246.89804	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	6.8330667	246.89804	0.027676	1	6	0.166667	0.461261
Middle Neritic	14.2718	246.89804	0.057804	4	6	0.666667	3.853629
Outer Neritic	55.05824	246.89804	0.223000	4	5	0.800000	17.839993
Upper Bathyal	170.73493	246.89804	0.691520	1	6	0.166667	11.525333
Lower Bathyal	0	246.89804	0.000000	0	9	0.000000	0.000000

246.89804

169 *Spiroloculina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	146.064667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	146.064667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	146.064667	0.000000	0	6	0.000000	0.000000
Middle Neritic	3.7969333	146.064667	0.025995	4	6	0.666667	1.732992
Outer Neritic	0	146.064667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	146.064667	0.584450	1	6	0.166667	9.740830
Lower Bathyal	56.900267	146.064667	0.389555	1	9	0.111111	4.328392

146.06467

170 *Quinqueloculina seminulum*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	14.2804667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	14.2804667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	14.2804667	0.000000	0	6	0.000000	0.000000
Middle Neritic	14.280467	14.2804667	1.000000	3	6	0.500000	50.000000
Outer Neritic	0	14.2804667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	14.2804667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	14.2804667	0.000000	0	9	0.000000	0.000000

14.280467

171 *Quinqueloculina pulchella*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	0.16666667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	0.16666667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	0.16666667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1666667	0.16666667	1.000000	1	6	0.166667	16.666667
Outer Neritic	0	0.16666667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	0.16666667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	0.16666667	0.000000	0	9	0.000000	0.000000

0.1666667

172 *Quinqueloculina incisa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	304.111573	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	304.111573	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	304.111573	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.2293333	304.111573	0.000754	1	6	0.166667	0.012568
Outer Neritic	47.83104	304.111573	0.157281	1	5	0.200000	3.145624
Upper Bathyal	256.0512	304.111573	0.841965	1	6	0.166667	14.032744
Lower Bathyal	0	304.111573	0.000000	0	9	0.000000	0.000000

304.11157

173 *Pyrgo depressa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.5968889	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.5968889	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.5968889	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.1146667	85.5968889	0.001340	1	6	0.166667	0.022327
Outer Neritic	0	85.5968889	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.3504	85.5968889	0.997120	1	6	0.166667	16.618673
Lower Bathyal	0.1318222	85.5968889	0.001540	1	9	0.111111	0.017112

85.596889

174 *Pyrgo sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	330.043289	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	330.043289	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	330.043289	0.000000	0	6	0.000000	0.000000
Middle Neritic	0.4346667	330.043289	0.001317	1	6	0.166667	0.021950
Outer Neritic	0	330.043289	0.000000	0	5	0.000000	0.000000
Upper Bathyal	298.91867	330.043289	0.905695	4	6	0.666667	60.379689
Lower Bathyal	30.689956	330.043289	0.092988	3	9	0.333333	3.099589

330.04329

175 *Massilina sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	47.83104	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	47.83104	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	47.83104	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	47.83104	0.000000	0	6	0.000000	0.000000
Outer Neritic	47.83104	47.83104	1.000000	1	5	0.200000	20.000000
Upper Bathyal	0	47.83104	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	47.83104	0.000000	0	9	0.000000	0.000000

47.83104

176 *Pyrgo laevis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3674667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3674667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3674667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3674667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3674667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	85.3674667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3674667	0.000000	0	9	0.000000	0.000000

85.367467

177 *Pyrgo denticulata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	85.3674667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	85.3674667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	85.3674667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	85.3674667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	85.3674667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	85.367467	85.3674667	1.000000	1	6	0.166667	16.666667
Lower Bathyal	0	85.3674667	0.000000	0	9	0.000000	0.000000

85.367467

178 *Spiroloculina rotundata*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	170.9056	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	170.9056	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	170.9056	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	170.9056	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	170.9056	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	170.9056	0.000000	0	6	0.000000	0.000000
Lower Bathyal	170.9056	170.9056	1.000000	2	9	0.222222	22.222222

170.9056

179 *Ammobaculites agglutinans*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	537.818133	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	537.818133	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	190.864	537.818133	0.354886	4	6	0.666667	23.659051
Middle Neritic	5.5013333	537.818133	0.010229	2	6	0.333333	0.340966
Outer Neritic	0	537.818133	0.000000	0	5	0.000000	0.000000
Upper Bathyal	341.4528	537.818133	0.634885	2	6	0.333333	21.162842
Lower Bathyal	0	537.818133	0.000000	0	9	0.000000	0.000000

537.81813

180 *Haplophragmoides sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	124.509333	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	124.509333	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	124.50933	124.509333	1.000000	4	6	0.666667	66.666667
Middle Neritic	0	124.509333	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	124.509333	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	124.509333	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	124.509333	0.000000	0	9	0.000000	0.000000

124.50933

181 *Textularia sp.*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	220.7352	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	220.7352	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	7.2653333	220.7352	0.032914	2	6	0.333333	1.097142
Middle Neritic	0	220.7352	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	220.7352	0.000000	0	5	0.000000	0.000000
Upper Bathyal	213.46987	220.7352	0.967086	3	6	0.500000	48.354288
Lower Bathyal	0	220.7352	0.000000	0	9	0.000000	0.000000

220.7352

182 *Textularia tubulosa*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	7.0368	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	7.0368	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	2.5765333	7.0368	0.366151	1	6	0.166667	6.102521
Middle Neritic	4.4602667	7.0368	0.633849	2	6	0.333333	21.128291
Outer Neritic	0	7.0368	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	7.0368	0.000000	0	6	0.000000	0.000000
Lower Bathyal	0	7.0368	0.000000	0	9	0.000000	0.000000

7.0368

183 *Textularia agglutinans*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	351.080413	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	351.080413	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	22.611467	351.080413	0.064405	3	6	0.500000	3.220269
Middle Neritic	2.1554	351.080413	0.006139	4	6	0.666667	0.409289
Outer Neritic	198.04448	351.080413	0.564100	3	5	0.600000	33.846003
Upper Bathyal	128.26907	351.080413	0.365355	3	6	0.500000	18.267762
Lower Bathyal	0	351.080413	0.000000	0	9	0.000000	0.000000

351.08041

184 *Eggerella propinqua*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	57.0026667	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	57.0026667	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	57.0026667	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	57.0026667	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	57.0026667	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	57.0026667	0.000000	0	6	0.000000	0.000000
Lower Bathyal	57.002667	57.0026667	1.000000	1	9	0.111111	11.111111

57.002667

185 *Martinotiella communis*

Environment	Nij	Ni	Aij	Mij	Mi	Bij	IV ij
Transitional	0	57.7907556	0.000000	0	2	0.000000	0.000000
Inner Neritic (Fine S	0	57.7907556	0.000000	0	1	0.000000	0.000000
Inner Neritic (Silt)	0	57.7907556	0.000000	0	6	0.000000	0.000000
Middle Neritic	0	57.7907556	0.000000	0	6	0.000000	0.000000
Outer Neritic	0	57.7907556	0.000000	0	5	0.000000	0.000000
Upper Bathyal	0	57.7907556	0.000000	0	6	0.000000	0.000000
Lower Bathyal	57.790756	57.7907556	1.000000	2	9	0.222222	22.222222

57.790756

IndVal Result

Total sampel	2	1	6	6	5	6	9	Max Environment	IndVal Max (%)
Environment	Transitio nal	Inner Neritic (Fine Sand)	Inner Neritic (Silt)	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal		
Variable	Indicator Value (IV)								
<i>Amphistegina sp.</i>	99.80	0.00	0.00	0.07	0.00	0.00	0.00	Transitional	99.80
<i>Amphistegina lessonii</i>	78.15	13.50	1.23	0.16	0.00	0.00	0.00	Transitional	78.15
<i>Sphaerogypsina sp.</i>	50.00	0.00	0.00	0.00	0.00	0.00	0.00	Transitional	50.00
<i>Calcarina calcarinoides</i>	50.00	0.00	0.00	0.00	0.00	0.00	0.00	Transitional	50.00
<i>Amphistegina radiata</i>	43.67	0.00	0.00	0.00	7.59	0.00	0.00	Transitional	43.67
<i>Quinqueloculina parkeri</i>	0.00	99.89	0.00	0.02	0.00	0.00	0.00	Inner Neritic (Fine Sand)	99.89
<i>Quinqueloculina strigillata</i>	0.00	99.81	0.00	0.00	0.04	0.00	0.00	Inner Neritic (Fine Sand)	99.81
<i>Quinqueloculina lamarckiana</i>	0.00	99.12	0.29	0.00	0.00	0.00	0.00	Inner Neritic (Fine Sand)	99.12
<i>Adelosina laevigata</i>	0.00	98.93	0.00	0.36	0.00	0.00	0.00	Inner Neritic (Fine Sand)	98.93
<i>Peneroplis pertusus</i>	0.92	98.16	0.00	0.00	0.00	0.00	0.00	Inner Neritic (Fine Sand)	98.16
<i>Ammonia sp.</i>	1.26	97.42	0.13	0.01	0.05	0.14	0.00	Inner Neritic (Fine Sand)	97.42
<i>Asterorotalia trispinosa</i>	0.02	96.97	1.94	0.04	0.00	0.00	0.00	Inner Neritic (Fine Sand)	96.97
<i>Peneroplis carinatus</i>	0.45	96.18	0.49	0.00	0.00	0.00	0.00	Inner Neritic (Fine Sand)	96.18
<i>Elphidium hispidulum</i>	0.04	95.14	3.12	0.04	0.00	0.00	0.00	Inner Neritic (Fine Sand)	95.14
<i>Ammonia gaimardii</i>	0.00	94.88	0.00	0.29	2.73	0.00	0.00	Inner Neritic (Fine Sand)	94.88
<i>Quinqueloculina philipinensis</i>	0.00	91.39	0.97	0.46	0.00	0.00	0.00	Inner Neritic (Fine Sand)	91.39
<i>Peneroplis planatus</i>	0.84	90.10	1.37	0.00	0.00	0.00	0.00	Inner Neritic (Fine Sand)	90.10
<i>Elphidium neosimplex</i>	0.00	86.02	4.26	0.24	0.00	1.15	0.00	Inner Neritic (Fine Sand)	86.02
<i>Operculina philippinensis</i>	0.00	85.74	0.00	2.38	0.00	0.00	0.00	Inner Neritic (Fine Sand)	85.74
<i>Spiroloculina scrobiculata</i>	0.00	84.58	2.57	0.00	0.00	0.00	0.00	Inner Neritic (Fine Sand)	84.58
<i>Quinqueloculina crassicarinata</i>	0.00	81.61	0.00	0.00	11.03	0.00	0.00	Inner Neritic (Fine Sand)	81.61
<i>Ammonia beccarii</i>	1.19	56.86	29.79	0.40	0.77	0.00	0.00	Inner Neritic (Fine Sand)	56.86
<i>Pseudorotalia sp.</i>	0.04	56.78	3.87	1.72	19.67	0.00	0.00	Inner Neritic (Fine Sand)	56.78
<i>Quinqueloculina sp.</i>	19.72	46.46	25.19	0.60	3.06	0.00	0.01	Inner Neritic (Fine Sand)	46.46
<i>Baggina indica</i>	0.00	45.43	0.00	0.02	0.00	18.15	0.00	Inner Neritic (Fine Sand)	45.43
<i>Cellanthus craticulatus</i>	13.96	45.16	0.00	0.08	8.09	0.00	0.00	Inner Neritic (Fine Sand)	45.16
<i>Triloculina trigonula</i>	0.00	40.36	0.73	0.02	1.81	8.06	0.00	Inner Neritic (Fine Sand)	40.36
<i>Spiroloculina depressa</i>	0.00	38.87	1.95	2.87	15.95	5.18	0.00	Inner Neritic (Fine Sand)	38.87
<i>Elphidium crispum</i>	6.09	35.14	24.86	0.51	0.29	0.00	0.00	Inner Neritic (Fine Sand)	35.14
<i>Quinqueloculina angulariformis</i>	0.00	33.33	0.00	0.00	0.00	0.00	0.00	Inner Neritic (Fine Sand)	33.33
<i>Operculina sp.</i>	0.00	32.17	0.05	1.37	12.96	0.00	0.00	Inner Neritic (Fine Sand)	32.17
<i>Haplophragmoides sp.</i>	0.00	0.00	66.67	0.00	0.00	0.00	0.00	Inner Neritic (Silt)	66.67
<i>Florilus boueanum</i>	0.00	0.00	65.90	0.19	0.00	0.00	0.00	Inner Neritic (Silt)	65.90
<i>Ammonia tepida</i>	0.00	34.16	65.35	0.24	0.08	0.00	0.00	Inner Neritic (Silt)	65.35
<i>Elphidium sp.</i>	2.50	36.77	38.73	0.09	0.00	0.00	0.00	Inner Neritic (Silt)	38.73
<i>Edentostomina cultrata</i>	0.00	0.00	33.33	0.00	0.00	0.00	0.00	Inner Neritic (Silt)	33.33
<i>Nodosaria lepidula</i>	0.00	0.00	27.39	22.61	0.00	0.00	0.00	Inner Neritic (Silt)	27.39
<i>Ammobaculites agglutinans</i>	0.00	0.00	23.66	0.34	0.00	21.16	0.00	Inner Neritic (Silt)	23.66
<i>Oridorsalis tenera</i>	0.00	0.00	16.67	0.00	0.00	0.00	0.00	Inner Neritic (Silt)	16.67
<i>Siphogenerina striata</i>	0.00	0.00	16.67	0.00	0.00	0.00	0.00	Inner Neritic (Silt)	16.67
<i>Miliolinella subrotunda</i>	0.00	0.00	16.67	0.00	0.00	0.00	0.00	Inner Neritic (Silt)	16.67
<i>Quinqueloculina bicornis</i>	0.00	0.00	16.67	0.00	0.00	0.00	0.00	Inner Neritic (Silt)	16.67
<i>Bulimina gibba</i>	0.00	0.00	16.44	0.00	0.00	0.00	0.15	Inner Neritic (Silt)	16.44
<i>Operculina subgranulosa</i>	0.00	0.00	15.85	0.56	0.00	0.26	0.00	Inner Neritic (Silt)	15.85
<i>Anomalina globulosus</i>	0.00	0.00	14.62	0.13	0.32	9.05	0.00	Inner Neritic (Silt)	14.62
<i>Cibicides refulgens</i>	0.00	0.00	13.41	6.51	0.00	0.00	0.00	Inner Neritic (Silt)	13.41
<i>Fissurina sp.</i>	0.00	0.00	10.30	2.73	0.00	0.00	2.43	Inner Neritic (Silt)	10.30
<i>Quinqueloculina seminulum</i>	0.00	0.00	0.00	50.00	0.00	0.00	0.00	Middle Neritic	50.00
<i>Discorbis sp.</i>	0.00	0.00	0.00	33.33	0.00	0.00	0.00	Middle Neritic	33.33
<i>Bombulina echinata</i>	0.00	0.00	0.00	33.33	0.00	0.00	0.00	Middle Neritic	33.33
<i>Nonionella simplex</i>	0.00	0.00	0.00	33.33	0.00	0.00	0.00	Middle Neritic	33.33
<i>Textularia tubulosa</i>	0.00	0.00	6.10	21.13	0.00	0.00	0.00	Middle Neritic	21.13
<i>Operculina complanata</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Amphistegina quoyii</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Alveolinella quoyii</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Siphonaperta sp.</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Elphidium advenum</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Asterorotalia sp.</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Baculogypsinoidea spinosus</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Planorbulinella larvata</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Lenticulina vortex</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Astacolus crepidulus</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Glandulina laevigata</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Guttulina problema</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Brizalina alata</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Nodosaria catesbyi</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Quinqueloculina pulchella</i>	0.00	0.00	0.00	16.67	0.00	0.00	0.00	Middle Neritic	16.67
<i>Planularia australis</i>	0.00	0.00	0.00	12.90	4.51	0.00	0.00	Middle Neritic	12.90
<i>Siphogenerina tropica</i>	0.00	0.00	0.00	12.05	0.00	4.62	0.00	Middle Neritic	12.05
<i>Nodosaria albatrossi</i>	0.00	0.00	0.00	11.24	3.93	2.15	0.00	Middle Neritic	11.24

IndVal Result

Total sampel	2	1	6	6	5	6	9	Max Environment	IndVal Max (%)
Environment	Transitio nal	Inner Neritic (Fine Sand)	Inner Neritic (Silt)	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal		
Variable	Indicator Value (IV)								
Brizalina aenariensis	0.00	0.00	1.07	0.26	70.77	9.12	0.00	Outer Neritic	70.77
Nonion scaphum	0.00	0.00	0.00	19.00	61.76	0.00	0.00	Outer Neritic	61.76
Gyroidina broeckhiana	0.00	0.00	0.00	0.05	52.09	2.14	0.00	Outer Neritic	52.09
Operculina ammonoides	0.00	13.38	0.20	0.76	50.33	0.00	0.00	Outer Neritic	50.33
Lagena sulcata	0.00	0.00	0.70	13.76	45.08	0.00	0.00	Outer Neritic	45.08
Virgulina pauciloculata	0.00	0.00	0.00	0.00	37.81	0.00	0.61	Outer Neritic	37.81
Cibicides sp.	0.00	17.79	2.68	2.02	36.74	18.53	11.46	Outer Neritic	36.74
Brizalina earlandi	0.00	0.00	0.00	0.35	36.70	3.78	1.68	Outer Neritic	36.70
Brizalina striatula	0.00	0.00	0.00	0.20	34.88	27.90	0.00	Outer Neritic	34.88
Textularia agglutinans	0.00	0.00	3.22	0.41	33.85	18.27	0.00	Outer Neritic	33.85
Neouvirgerina ampullacea	0.00	0.00	0.00	0.56	21.58	10.56	0.00	Outer Neritic	21.58
Cassidulina laevigata	0.00	0.00	0.00	0.00	21.14	15.72	0.00	Outer Neritic	21.14
Amphistegina papillosa	18.41	8.33	0.36	0.16	20.89	0.00	0.00	Outer Neritic	20.89
Heterolepa subhaidingeri	0.00	0.00	0.00	0.00	20.00	0.00	0.00	Outer Neritic	20.00
Nonion subturgidum	0.00	0.00	0.00	0.00	20.00	0.00	0.00	Outer Neritic	20.00
Siphogenerina sp.	0.00	0.00	0.00	0.00	20.00	0.00	0.00	Outer Neritic	20.00
Massilina sp.	0.00	0.00	0.00	0.00	20.00	0.00	0.00	Outer Neritic	20.00
Siphonina tubulosa	0.00	0.00	0.00	0.04	19.95	0.00	0.00	Outer Neritic	19.95
Calcarina splengeri	0.00	0.00	0.00	0.41	19.75	0.00	0.00	Outer Neritic	19.75
Bolivina sp.	0.00	0.00	0.46	0.01	19.44	0.00	0.00	Outer Neritic	19.44
Siphonina bradyi	0.00	0.00	0.63	0.00	19.18	0.06	0.00	Outer Neritic	19.18
Trifarina bradyi	0.00	0.00	0.00	0.00	18.58	1.19	0.00	Outer Neritic	18.58
Triloculina tricarinata	0.00	0.00	0.46	3.85	17.84	11.53	0.00	Outer Neritic	17.84
Eponides schreibersi	0.00	0.00	0.00	4.76	14.29	0.00	0.00	Outer Neritic	14.29
Lagena substriata	0.00	0.00	0.00	11.05	13.37	0.00	0.00	Outer Neritic	13.37
Reussella simplex	0.20	0.00	4.05	0.00	11.47	11.38	0.00	Outer Neritic	11.47
Uvirgerina schwageri	0.00	0.00	0.00	0.00	9.13	0.01	6.03	Outer Neritic	9.13
Bulimina marginata	0.00	0.00	3.06	0.03	0.48	63.78	14.71	Upper Bathyal	63.78
Oolina globosa	0.00	0.00	2.98	0.12	0.00	61.45	0.33	Upper Bathyal	61.45
Uvirgerina asperula	0.00	0.00	0.00	0.00	0.00	60.87	1.93	Upper Bathyal	60.87
Pyrgo sp.	0.00	0.00	0.00	0.02	0.00	60.38	3.10	Upper Bathyal	60.38
Rectobolivina bifrons	0.00	0.00	0.00	0.00	0.00	58.82	1.31	Upper Bathyal	58.82
Eponides sp.	0.00	0.00	0.00	0.00	0.01	49.97	0.00	Upper Bathyal	49.97
Gyroidina neosoldanii	0.00	0.00	0.00	0.01	0.01	49.86	0.02	Upper Bathyal	49.86
Saracenaria italica	0.00	0.00	0.00	0.04	0.01	49.84	0.00	Upper Bathyal	49.84
Textularia sp.	0.00	0.00	1.10	0.00	0.00	48.35	0.00	Upper Bathyal	48.35
Lenticulina orbicularis	0.00	0.00	0.00	0.02	6.40	47.48	11.63	Upper Bathyal	47.48
Hyalinea bhaltica	0.00	0.00	0.03	0.02	0.00	46.36	0.78	Upper Bathyal	46.36
Bolivinita quadrilatera	0.00	0.00	0.01	0.00	0.00	40.48	8.71	Upper Bathyal	40.48
Lenticulina sp.	0.00	0.00	0.00	0.01	1.15	39.22	8.71	Upper Bathyal	39.22
Dentalina sp.	0.00	0.00	0.00	0.00	0.00	38.56	2.54	Upper Bathyal	38.56
Brizalina robusta	0.00	0.00	4.89	0.14	20.03	37.08	5.24	Upper Bathyal	37.08
Sigmoilopsis schlumbergeri	0.00	0.00	0.00	0.00	0.00	33.33	0.00	Upper Bathyal	33.33
Ammonia supera	0.00	0.00	0.00	0.00	0.00	33.33	0.00	Upper Bathyal	33.33
Lenticulina calcar	0.00	0.00	0.00	0.03	0.01	33.26	0.00	Upper Bathyal	33.26
Pullenia subcarinata	0.00	0.00	0.00	0.00	0.00	32.73	0.60	Upper Bathyal	32.73
Cassidulina sp.	0.00	0.00	0.05	0.00	1.33	32.12	0.00	Upper Bathyal	32.12
Nodosaria sp.	0.00	0.00	0.46	0.16	3.45	30.64	0.05	Upper Bathyal	30.64
Quinqueloculina tropicalis	0.00	0.00	0.85	3.33	0.23	29.91	0.00	Upper Bathyal	29.91
Neouvirgerina sp.	0.00	0.00	0.00	0.00	3.81	29.55	0.20	Upper Bathyal	29.55
Bulimina sp.	0.00	0.00	2.25	0.09	0.01	29.35	4.18	Upper Bathyal	29.35
Heterolepa praecincta	0.00	0.00	0.00	0.23	7.02	26.76	11.36	Upper Bathyal	26.76
Quinqueloculina granulocostata	4.74	7.03	21.20	5.68	1.06	25.27	0.01	Upper Bathyal	25.27
Dentalina communis	0.00	0.00	0.00	0.00	0.06	23.92	23.05	Upper Bathyal	23.92
Hoeglundina elegans	0.00	0.00	0.00	0.00	0.11	23.59	15.94	Upper Bathyal	23.59
Siphogenerina dimorpha	0.00	0.00	0.00	0.00	0.00	23.07	3.42	Upper Bathyal	23.07
Fissurina ampullacea	0.00	0.00	11.83	1.40	0.00	20.54	0.01	Upper Bathyal	20.54
Globocassidulina sp.	0.00	0.00	0.00	0.00	0.00	19.99	13.34	Upper Bathyal	19.99
Brizalina sp.	0.00	0.00	7.08	0.24	0.00	19.95	13.93	Upper Bathyal	19.95
Planulina ariminensis	0.00	0.00	0.00	0.00	0.00	18.91	6.91	Upper Bathyal	18.91
Lingulina galapagoensis	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Discorbina orbicularis	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Planularia gemmata	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Hemirobulina galapagoensis	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Siphogenerina collumelaris	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Siphonina sp.	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Bolivinita subangularis	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Astacolus insolitus	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Bolivina hantkeniana	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
Bigenerina nodosaria	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67

IndVal Result

Total sampel	2	1	6	6	5	6	9	Max Environment	IndVal Max (%)
Environment	Transitio nal	Inner Neritic (Fine Sand)	Inner Neritic (Silt)	Middle Neritic	Outer Neritic	Upper Bathyal	Lower Bathyal		
Variable	Indicator Value (IV)								
<i>Pyrgo lucernula</i>	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
<i>Pyrgo laevis</i>	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
<i>Pyrgo denticulata</i>	0.00	0.00	0.00	0.00	0.00	16.67	0.00	Upper Bathyal	16.67
<i>Pyrgo depressa</i>	0.00	0.00	0.00	0.02	0.00	16.62	0.02	Upper Bathyal	16.62
<i>Oolina striata</i>	0.00	0.00	0.00	0.52	0.00	16.40	0.00	Upper Bathyal	16.40
<i>Cassidulina pacifica</i>	0.00	0.00	0.49	0.00	0.00	16.18	0.00	Upper Bathyal	16.18
<i>Vulvulina pennatula</i>	0.00	0.00	0.00	0.10	0.00	16.04	5.70	Upper Bathyal	16.04
<i>Lagena laevis</i>	0.00	0.00	0.32	0.59	0.28	15.91	0.00	Upper Bathyal	15.91
<i>Lagena semilineata</i>	0.00	0.00	0.63	0.45	0.00	15.49	0.22	Upper Bathyal	15.49
<i>Anomalina sp.</i>	0.00	0.00	2.75	0.08	0.00	15.21	0.00	Upper Bathyal	15.21
<i>Quinqueloculina incisa</i>	0.00	0.00	0.00	0.01	3.15	14.03	0.00	Upper Bathyal	14.03
<i>Lenticulina peregrina</i>	0.00	0.00	0.00	0.00	0.01	12.49	2.78	Upper Bathyal	12.49
<i>Sphaeroidina bulloides</i>	0.00	0.00	0.05	0.15	0.00	12.38	5.56	Upper Bathyal	12.38
<i>Ceratobulimina contraria</i>	0.00	0.00	0.00	0.00	0.00	11.91	3.17	Upper Bathyal	11.91
<i>Globobulimina notovata</i>	0.00	0.00	0.00	0.00	0.00	11.09	7.44	Upper Bathyal	11.09
<i>Planularia sp.</i>	0.00	0.00	0.00	0.00	0.30	9.85	4.38	Upper Bathyal	9.85
<i>Spiroloculina sp.</i>	0.00	0.00	0.00	1.73	0.00	9.74	4.33	Upper Bathyal	9.74
<i>Planulina sp.</i>	0.00	0.00	0.00	0.00	0.00	0.00	44.44	Lower Bathyal	44.44
<i>Anomalina colligera</i>	0.00	0.00	0.01	0.02	0.05	19.34	40.63	Lower Bathyal	40.63
<i>Uvigerina peregrina</i>	0.00	0.00	0.00	0.00	0.00	30.15	36.51	Lower Bathyal	36.51
<i>Lagena hispidula</i>	0.00	0.00	0.00	0.00	0.00	0.00	33.33	Lower Bathyal	33.33
<i>Globobulimina pacifica</i>	0.00	0.00	0.00	0.00	0.00	5.47	29.86	Lower Bathyal	29.86
<i>Uvigerina sp.</i>	0.00	0.00	0.03	0.00	0.01	17.87	28.48	Lower Bathyal	28.48
<i>Lagena sp.</i>	0.00	0.00	0.00	0.00	0.00	0.00	22.22	Lower Bathyal	22.22
<i>Spiroloculina rotundata</i>	0.00	0.00	0.00	0.00	0.00	0.00	22.22	Lower Bathyal	22.22
<i>Martinotiella communis</i>	0.00	0.00	0.00	0.00	0.00	0.00	22.22	Lower Bathyal	22.22
<i>Oridorsalis umbonatus</i>	0.00	0.00	0.00	0.00	0.00	9.97	17.86	Lower Bathyal	17.86
<i>Amphicoryna sp.</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Marginulina obesa</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Ceratocancris clifdenensis</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Astacolus sp.</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Lenticulina iota</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Amphicoryna hirsuta</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Laticarinina pauperata</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Nodosaria flintii</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Planulina wuellerstorfi</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Bulimina aculeata</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Fissurina unguiculata</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Eggerella propinqua</i>	0.00	0.00	0.00	0.00	0.00	0.00	11.11	Lower Bathyal	11.11
<i>Nodosaria radricula</i>	0.00	0.00	0.00	0.00	0.04	0.00	11.09	Lower Bathyal	11.09
<i>Vaginulina sp.</i>	0.00	0.00	0.00	0.00	0.23	0.00	11.05	Lower Bathyal	11.05
<i>Cancris auriculus</i>	0.00	0.00	0.00	0.66	0.00	0.00	10.96	Lower Bathyal	10.96
<i>Amphicoryna separans</i>	0.00	0.00	0.00	0.00	0.73	0.00	10.67	Lower Bathyal	10.67
<i>Amphicoryna scalaris</i>	0.00	0.00	0.00	0.02	3.66	0.00	10.59	Lower Bathyal	10.59
<i>Eponides procera</i>	0.00	0.00	0.00	0.00	2.42	0.00	9.77	Lower Bathyal	9.77