

Accessory Publication 1

Major changes in species composition detected from 2002 to 2003. Dominant species (number of organisms m⁻²) during each sampling period (a). Species exclusively registered during each sampling period (b).

a)	Dry 2002	Dry 2003	Rainy 2003	Nortes 2003	
	<i>Platyischnopus viscana</i> (9480)	<i>Platyischnopus viscana</i> (1811)	<i>Platyischnopus viscana</i> (26)	<i>Platyischnopus viscana</i> (1687)	
	<i>Corophium multisetosum</i> (10459)	<i>Corophium multisetosum</i> (2452)	<i>Corophium multisetosum</i> (5414)	<i>Corophium multisetosum</i> (188)	
	<i>Cyclaspis jonesi</i> (5055)	<i>Cyclaspis jonesi</i> (4329)	<i>Cyclaspis jonesi</i> (3968)	<i>Cyclaspis jonesi</i> (544)	
	<i>Cumella caribbeana</i> (1209)	<i>Cumella caribbeana</i> (1775)	<i>Cumella caribbeana</i> (1582)	<i>Cumella caribbeana</i> (1147)	
	<i>Metaphoxus fultoni</i> (4521)	<i>Cumella coralicola</i> (2437)	<i>Cumella coralicola</i> (297)	<i>Armandia agilis</i> (624) <i>Ampithoe rubricate</i> (822)	
b)	Only registered in 2002	Only registered during 2003			
Annelida	<i>Lumbrineris latreilli</i> (599)	<i>Heteropodarke formalis</i> (1)	<i>Minuspio cirrobranchiata</i> (25)	<i>Prionospio filiformis</i> (26)	
	<i>Caecum floridanum</i> (325)	<i>Lumbrineris bidens</i> (12)	<i>Syllis ferrugina</i> (2)		
	<i>Brachidontes exustus</i> (115)	<i>Caulleriella zetlandica</i> (1)			
		<i>Saccocirrus papillocercus</i> (205)			
	<i>Nephtys picta</i> (1)				
	<i>Microspio pigmentada</i> (115)				
	<i>Polycirrus denticulatus</i> (1)				
	<i>Colanthura bruscai</i> (1)				
	Arthropoda	<i>Promysis atlantica</i> (292)	<i>Anaitides madeirensis</i> (45)	<i>Pinnixa chaetoptera</i> (2)	<i>Uromunna reynoldsi</i> (1)
		<i>Cyclaspis platymerus</i> (242)	<i>Emerita talpoida</i> (1)		<i>Farfantepenaeus duorarum</i> (52)
<i>Americamysis almyra</i> (158)		<i>Cirolana parva</i> (6)			
<i>Cumella vicina</i> (127)					
<i>Pitho aculeate</i> (1)					
Mollusca	<i>Tricolia affinis</i> (1)	<i>Turbonilla interrupta</i> (1)		<i>Haminoea succinea</i> (10)	
	<i>Sayella crosseana</i> (1)			<i>Strombus costatus</i> (2)	
	<i>Jaspidella jaspidea</i> (1)				
	<i>Nannodiella vespuciana</i> (1)				
	<i>Melanella jamaicensis</i> (1)				
Echinodermata	<i>Quadridentatus</i> (1)				
	<i>Leodia sexiesperforata</i> (1)				

Accessory Publication 2

Asymmetrical model pair-wise test for: comparison of the four sampling periods between the control and impact zones (a); the comparisons of control and impact zones along the four sampling periods (b).

Groups		T	P (MC)
a)			
Dry 2002	Impact, Control	1.33	0.14
Dry 2003		0.72	0.84
Rainy 2003		0.70	0.87
Nortes 2003		0.45	0.99
b)			
Control	Dry 2002, Dry 2003	1.68	0.05
	Dry 2002, Rainy 2003	1.76	0.03
	Dry 2002, Nortes 2003	1.44	0.10
	Dry 2003, Rainy 2003	0.84	0.71
	Dry 2003, Nortes 2003	1.18	0.30
	Rainy 2003, Nortes 2003	1.18	0.30
Impact	Dry 2002, Dry 2003	1.93	0.02
	Dry 2002, Rainy 2003	2.43	0.00
	Dry 2002, Nortes 2003	2.40	0.00
	Dry 2003, Rainy 2003	1.51	0.05
	Dry 2003, Nortes 2003	1.74	0.02
	Rainy 2003, Nortes 2003	2.15	0.00

Three-way model pair-wise tests for: the three levels of factor “Sector” within four levels of factor “Sampling period” (a); comparisons of the four levels of factor “Sampling period” within three levels of factor “Sector” (b).

	Groups	T	P (perm)
Dry 2002	A, B	1.23	0.16
	A, C	1.12	0.27
	B, C	1.47	0.08
Dry 2003	A, B	1.32	0.09
	A, C	2.69	0.02
	B, C	1.57	0.14
Rainy 2003	A, B	1.50	0.03
	A, C	2.67	0.03
	B, C	1.29	0.00
Nortes 2003	A, B	1.49	0.05
	A, C	3.51	0.02
	B, C	2.16	0.02
Sector A	Dry 2002, Dry 2003	1.98	0.03
	Dry 2002, Rainy 2003	1.51	0.11
	Dry 2002, Nortes 2003	3.00	0.03
	Dry 2003, Rainy 2003	1.93	0.04
	Dry 2003, Nortes 2003	3.43	0.02
	Rainy 2003, Nortes 2003	3.18	0.03
Sector B	Dry 2002, Dry 2003	1.93	0.05
	Dry 2002, Rainy 2003	2.42	0.02
	Dry 2002, Nortes 2003	2.40	0.03
	Dry 2003, Rainy 2003	1.51	0.11
	Dry 2003, Nortes 2003	1.73	0.06
	Rainy 2003, Nortes 2003	2.15	0.03
Sector C	Dry 2002, Dry 2003	2.70	0.03
	Dry 2002, Rainy 2003	3.10	0.03
	Dry 2002, Nortes 2003	3.05	0.02
	Dry 2003, Rainy 2003	3.41	0.03
	Dry 2003, Nortes 2003	5.53	0.02
	Rainy 2003, Nortes” 2003	4.20	0.02