

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

HBN1-CR Total Scleractinian Count: Baseline

BASELINE													
SITE	HBN1-CR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>													
<i>Eusmilia fastigiata</i>					1	2							3
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>			4										4
<i>Siderastrea siderea</i>	5	8	2	8	9	8	3	5	5				53
<i>Siderastrea sp.</i>	8	5	5	8	5	6	7	5	7		1		57
<i>Solenastrea bournoni</i>	1	1	1	1	1	1	1	2	3			1	13
<i>Stephanocoenia intercepta</i>													
<b>Grand Total</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>17</b>	<b>16</b>	<b>17</b>	<b>11</b>	<b>12</b>	<b>15</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>130</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

HBN1-CR Total Scleractinian Count: Post-construction

POST-CONSTRUCTION													
SITE	HBN1-CR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea siderea</i>	17	15	23	19	16	28	20	17	24	17	18	24	238
<i>Siderastrea sp.</i>									2				2
<i>Solenastrea bournoni</i>	1	1	1	1	1	1	1	1	1	1	1	1	12
<i>Stephanocoenia intersepta</i>													
<b>Grand Total</b>	<b>18</b>	<b>16</b>	<b>24</b>	<b>20</b>	<b>17</b>	<b>29</b>	<b>21</b>	<b>18</b>	<b>27</b>	<b>18</b>	<b>19</b>	<b>25</b>	<b>252</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBN2-CR Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBN2-CR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>			1			1			1			1	4
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>		1			1			1			1		4
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	3	2		3	1		3	2		3	2		19
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>			2	8	12	5	6	2	3	1	4	3	46
<i>Siderastrea sp.</i>	1	2	3	1	2	3		1					13
<i>Solenastrea bournoni</i>	1		1	1		1	1		1	1		1	8
<i>Stephanocoenia intercepta</i>			1			1			1			1	4
<b>Grand Total</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>10</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>98</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

HBN2-CR Total Scleractinian Count: Post-construction

POST-CONSTRUCTION													
SITE	HBN2-CR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	2	1		2	1		2	2		2	1		13
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea siderea</i>	6	1	4	4	1	2	8	3	4	2			35
<i>Siderastrea sp.</i>		3	6	4	5	5		3	4	6	11	8	55
<i>Solenastrea bournoni</i>	1		1	1		1	1		1	1		1	8
<i>Stephanocoenia intersepta</i>			1			1			1			1	4
<b>Grand Total</b>	<b>9</b>	<b>5</b>	<b>12</b>	<b>11</b>	<b>7</b>	<b>9</b>	<b>11</b>	<b>8</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>10</b>	<b>115</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBN3-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBN3-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1	2	3	3	1	3	2	6	7	2	2	4	36
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>	1												1
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>		2			1			1			1		5
<i>Oculina diffusa</i>		1	2	1	2	3		2	2		1	3	17
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1	4		2	5	2	2	5	9	3	5	1	39
<i>Porites porites</i>				1									1
<i>Pseudodiploria clivosa</i>			1		1	1			1			1	5
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>						1							1
<i>Siderastrea siderea</i>	1	6	4	2	6	4		5	4	3	4	5	44
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	8	3	3	8	3	2	7	4	2	7	3	2	52
<i>Stephanocoenia intercepta</i>	2			2	1		3	1		2	1		12
<b>Grand Total</b>	<b>14</b>	<b>18</b>	<b>13</b>	<b>19</b>	<b>20</b>	<b>16</b>	<b>14</b>	<b>24</b>	<b>25</b>	<b>17</b>	<b>17</b>	<b>16</b>	<b>213</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBN3-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBN3-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>	3	3	1	3	2	3	4	2	2	4	3	3	33
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>			1										1
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	2	4		2	4	1	2	2	1	1	2	1	22
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>			1			1			1			1	4
<i>Pseudodiploria strigosa</i>		1									1		2
<i>Siderastrea siderea</i>		3	4		3	5	2	3	4	1	3	4	32
<i>Siderastrea sp.</i>												3	3
<i>Solenastrea bournoni</i>	8	4	3	8	3	3	7	3	2	8	3	2	54
<i>Stephanocoenia intersepta</i>	2	1		1			2	1	1	2		1	11
<b>Grand Total</b>	<b>15</b>	<b>16</b>	<b>10</b>	<b>14</b>	<b>12</b>	<b>13</b>	<b>17</b>	<b>11</b>	<b>11</b>	<b>16</b>	<b>12</b>	<b>15</b>	<b>162</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBNC1-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBNC1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>	3		3	2		2	2		2	3		2	19
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>	5	1		2	1	1	2	2		1	1		16
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>		1											1
<i>Porites porites</i>	2		6	3	1	5	1	2	4	1	2	1	28
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>		2										1	3
<i>Siderastrea siderea</i>	2		2	2		2	6	3	4	15	9	5	50
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	8	9	3	4	6	2	3	5	1	4	6	2	53
<i>Stephanocoenia intercepta</i>	2	1	3	1		3	1	1	3	1	1	3	20
<b>Grand Total</b>	<b>22</b>	<b>14</b>	<b>17</b>	<b>14</b>	<b>8</b>	<b>15</b>	<b>15</b>	<b>13</b>	<b>14</b>	<b>25</b>	<b>19</b>	<b>14</b>	<b>190</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
 FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
 Appendix D

**HBNC1-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBNC1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>	2		1	1		1	1		1	2		1	10
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>	1						1	1			1		4
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea siderea</i>	2	2	1	3		1		1	1	6	3	1	21
<i>Siderastrea sp.</i>				4		2	9	1	2	5	4	3	30
<i>Solenastrea bournoni</i>	3	1	1	3	1	1	3	1	1	4	2	1	22
<i>Stephanocoenia intersepta</i>			3			3		1	3			4	14
<b>Grand Total</b>	<b>8</b>	<b>3</b>	<b>6</b>	<b>11</b>	<b>1</b>	<b>8</b>	<b>14</b>	<b>5</b>	<b>8</b>	<b>17</b>	<b>10</b>	<b>10</b>	<b>101</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS1-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBS1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1	1	1	1	1	1	3	1	1	1	1	1	14
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	2	1	1	3	1	1	1	1	1	2	1	1	16
<i>Oculina diffusa</i>	1			1			1			1			4
<i>Orbicella faveolata</i>		1			1			1			1		4
<i>Porites astreoides</i>										1			1
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>	3		1	3	1	1	2		1	2		1	15
<i>Pseudodiploria strigosa</i>							1			1			2
<i>Siderastrea radians</i>	1												1
<i>Siderastrea siderea</i>	1	3	1	2	2	1	3	1	2	2	1	3	22
<i>Solenastrea bournoni</i>	2	1	2	2	1	2	2	1	2	2	1	1	19
<i>Stephanocoenia intercepta</i>	1			1									2
<b>Grand Total</b>	<b>12</b>	<b>7</b>	<b>6</b>	<b>13</b>	<b>7</b>	<b>6</b>	<b>13</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>5</b>	<b>7</b>	<b>100</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS1-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBS1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>	1	1	1	1	1	2	1	1	2	1	1	1	14
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>							1			1			2
<i>Montastrea cavernosa</i>	1	1	1	2	1	1	2	1	1	1	1	1	14
<i>Oculina diffusa</i>													0
<i>Orbicella faveolata</i>		1			1			1			1		4
<i>Porites astreoides</i>				1			1			1			3
<i>Porites porites</i>													0
<i>Pseudodiploria clivosa</i>	2		1	2		1	2		1	2		1	12
<i>Pseudodiploria strigosa</i>	1			1			1			1			4
<i>Siderastrea siderea</i>	1		1	2	1	2	2	1	3	2	2	3	20
<i>Siderastrea sp.</i>											1		1
<i>Solenastrea bournoni</i>	2	1	1	2	1	2	2	1	2	2	1	2	19
<i>Stephanocoenia intersepta</i>	1			1			1			1			4
<b>Grand Total</b>	<b>9</b>	<b>4</b>	<b>5</b>	<b>12</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>5</b>	<b>9</b>	<b>12</b>	<b>7</b>	<b>8</b>	<b>97</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS2-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBS2-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>		2	1	1	2	1	1	2	1		2	1	14
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>	1			1			1			1			4
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>		1	2		1	2			2			2	10
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	2			1									3
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>	2	1	1										4
<i>Siderastrea siderea</i>		1		3		1				1	2		8
<i>Solenastrea bournoni</i>	3	11	2	3	9	2	2	11	1	3	10	1	58
<i>Stephanocoenia intercepta</i>	3	1	4	3	1	3	3	1	2	4	1	2	28
<b>Grand Total</b>	<b>11</b>	<b>16</b>	<b>10</b>	<b>12</b>	<b>13</b>	<b>9</b>	<b>7</b>	<b>14</b>	<b>6</b>	<b>9</b>	<b>15</b>	<b>6</b>	<b>128</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS2-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBS2-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>	1		1	1		1	1		1	1		2	9
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>			1			1			1			1	4
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea siderea</i>	1			2						2		1	6
<i>Siderastrea sp.</i>							3			2			5
<i>Solenastrea bournoni</i>	2	9	1	2	8	1	2	9	1	2	9	1	47
<i>Stephanocoenia intersepta</i>	4	1	2	2	1	2	4	1	3	4	1	4	29
<b>Grand Total</b>	<b>8</b>	<b>10</b>	<b>5</b>	<b>7</b>	<b>9</b>	<b>5</b>	<b>10</b>	<b>10</b>	<b>6</b>	<b>11</b>	<b>10</b>	<b>9</b>	<b>100</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS3-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBS3-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>	2		1	1		1	1		1	1	1	1	10
<i>Dichocoenia stokesi</i>	2	6	7	2	7	6	2	6	7	2	9	7	63
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>	3	1	2	3	1	2	3	1	2	3	1	2	24
<i>Montastrea cavernosa</i>	1	1		1	1					1			5
<i>Oculina diffusa</i>	1	1	1		1	1	2	1		2	1		11
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1								1			1	3
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>	1	1	2			4		1	2	1	1	3	16
<i>Solenastrea bournoni</i>	1			1			1		1	1		1	6
<i>Stephanocoenia intercepta</i>	5	4	7	7	9	6	5	7	3	4	5	7	69
<b>Grand Total</b>	<b>17</b>	<b>14</b>	<b>20</b>	<b>15</b>	<b>19</b>	<b>20</b>	<b>14</b>	<b>16</b>	<b>17</b>	<b>15</b>	<b>18</b>	<b>22</b>	<b>207</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS3-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBS3-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>		2	3		2	4		2	3		2	3	21
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	2	1		2	1		2	1		2	1		12
<i>Oculina diffusa</i>	1	1			1			1			1		5
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea siderea</i>		1	3		1	3		1	2		1	2	14
<i>Siderastrea sp.</i>											1		1
<i>Solenastrea bournoni</i>	1			1			1			1			4
<i>Stephanocoenia intersepta</i>	4	6	5	4	4	6	3	5	8	5	4	7	61
<b>Grand Total</b>	<b>8</b>	<b>11</b>	<b>11</b>	<b>7</b>	<b>9</b>	<b>13</b>	<b>6</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>118</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS4-CR Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBS4-CR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>													
<i>Dichocoenia stokesi</i>	5	5	7	5	5	7	7	7	7	5	6	8	74
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>	1			1			1			1			4
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>	1	1	1	2	1	1	2	1	1	2	1	1	15
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1												1
<i>Porites porites</i>					1								1
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>				1									1
<i>Siderastrea siderea</i>	5	3	2	2	2	2	2	2		2	2	1	25
<i>Solenastrea bournoni</i>	4	2	3	2	2	4	2	3	6	3	2	3	36
<i>Stephanocoenia intercepta</i>	3		2	2	2		3	1	1	3	1	2	20
<b>Grand Total</b>	<b>20</b>	<b>11</b>	<b>15</b>	<b>15</b>	<b>13</b>	<b>14</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>16</b>	<b>12</b>	<b>15</b>	<b>177</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBS4-CR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBS4-CR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>	3	2	4	2	2	3	2	2	3	3	1	3	30
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>	1			1			1			1			4
<i>Montastrea cavernosa</i>													
<i>Oculina diffusa</i>		1											1
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>													
<i>Pseudodiploria clivosa</i>													
<i>Pseudoiploria strigosa</i>									1				1
<i>Siderastrea siderea</i>	1	4		1	3		1	2			3		15
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	1		4	1		2	1		2	2		2	15
<i>Stephanocoenia intersepta</i>	3	3		3	3		3	1		3	1		20
<b>Grand Total</b>	<b>9</b>	<b>10</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>8</b>	<b>5</b>	<b>6</b>	<b>9</b>	<b>5</b>	<b>5</b>	<b>86</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBSC1-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	HBSC1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Colophyllia natans</i>	1			1									
<i>Dichocoenia stokesi</i>	2	6	6	2	7	6	1	6	5	3	7	4	55
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	6	3	1	6	3	2	5	3	1	6	3	3	42
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	2		1	1		2	1	1	1	1	1	1	12
<i>Porites porites</i>			1	1		1							3
<i>Pseudodiploria clivosa</i>			2			1			1			1	5
<i>Pseudodiploria strigosa</i>						1	1		1	1		1	5
<i>Siderastrea radians</i>				1						1			2
<i>Siderastrea siderea</i>	2	6	1	1	3	1	1	3	1	1	3	1	24
<i>Solenastrea bournoni</i>		2	3		1	2		1	3		1	2	15
<i>Stephanocoenia intercepta</i>	1		6	1	2	7	1	3	5	2	2	11	41
<b>Grand Total</b>	<b>14</b>	<b>17</b>	<b>21</b>	<b>14</b>	<b>16</b>	<b>23</b>	<b>10</b>	<b>17</b>	<b>18</b>	<b>15</b>	<b>17</b>	<b>24</b>	<b>206</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**HBSC1-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	HBSC1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Dichocoenia stokesi</i>		1	2		2	2			3		2	2	14
<i>Madracis decactis</i>			1										1
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	6	4	1	6	3	1	5	4	1	6	3	1	41
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	2	1	1	2		1	3	1	2	3	1	1	18
<i>Porites porites</i>						1			1			2	4
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>	1	1	1	1	2	1	1	1	1	1	1	1	13
<i>Siderastrea siderea</i>	1	4	1	1	4	1	2	4	1	2	3	1	25
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>			2			2			2	1		2	9
<i>Stephanocoenia intersepta</i>	2	2	7	1		6	2	3	7	1	2	7	40
<b>Grand Total</b>	<b>12</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>11</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>18</b>	<b>14</b>	<b>12</b>	<b>17</b>	<b>165</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2N1-RR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2N1-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>													
<i>Agaricia agaricites</i>													
<i>Agaricia fragilis</i>													
<i>Agaricia sp.</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	3	3	4	3	2	4	4	4	3	2		3	35
<i>Diploria labyrinthiformis</i>													
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>				1									1
<i>Madracis decactis</i>													
<i>Madracis formosa</i>													
<i>Meandrina meandrites</i>	1	3	3	1	2	3	1	4	3	1	4	3	29
<i>Montastrea cavernosa</i>	3	1	2	3	1	2	4	3	3	6	2	3	33
<i>Mycetophyllia ferox</i>						1			1			1	3
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Orbicella franksi</i>													
<i>Porites astreoides</i>		3		2	3	1	2	4	1	1	4		21
<i>Porites porites</i>	2	1	2			1	1			1		1	9
<i>Pseudodiploria clivosa</i>			1			1		1	2			2	7
<i>Pseudodiploria strigosa</i>	2	2	2	2	2	1	2	1		2	4	1	21
<i>Siderastrea radians</i>				1							1		2
<i>Siderastrea siderea</i>	2	8	6	2	8	10	2	7	11	7	10	12	85
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	2	5	3	2	5	4	2	5	3	4	5	3	43
<i>Stephanocoenia intersepta</i>	2	3		5	2	1	7	6	4	5	4	2	41
<b>Grand Total</b>	<b>17</b>	<b>29</b>	<b>23</b>	<b>22</b>	<b>25</b>	<b>29</b>	<b>25</b>	<b>35</b>	<b>31</b>	<b>29</b>	<b>34</b>	<b>31</b>	<b>330</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

R2N1-RR Total Scleractinian Count: Post-construction

POST-CONSTRUCTION													
SITE	R2N1-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1	1		1			1	1		1	1		7
<i>Diploria labyrinthiformis</i>													
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	4	1	2	4	2	2	5	2	2	4	1	2	31
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1	4			4			4		1	4	1	19
<i>Porites porites</i>			1	1			1		1	1			5
<i>Pseudodiploria clivosa</i>													
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>	2	5	6	1	4	7	2	5	5	2	6	5	50
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	3	5	2	3	5	2	2	5	2	3	5	2	39
<i>Stephanocoenia intersepta</i>	3	2	1	2	2	3	3	2	1	1	2		22
<b>Grand Total</b>	<b>14</b>	<b>18</b>	<b>12</b>	<b>12</b>	<b>17</b>	<b>14</b>	<b>14</b>	<b>19</b>	<b>11</b>	<b>13</b>	<b>19</b>	<b>10</b>	<b>173</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2N2-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2N2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>													
<i>Agaricia agaricites</i>	2						2						4
<i>Agaricia fragilis</i>				1									1
<i>Agaricia sp.</i>		1			1			1			1		4
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	3	3	3	2	1	3	2	2	3	2	2	3	29
<i>Diploria labyrinthiformis</i>													
<i>Eusmilia fastigiata</i>	1	1						1					3
<i>Favia fragum</i>													
<i>Madracis decactis</i>		1	1			2					1	1	6
<i>Madracis formosa</i>			2						3				5
<i>Meandrina meandrites</i>			1										1
<i>Montastrea cavernosa</i>	3	4	5	3	3	4	3	4	4	2	4	4	43
<i>Mycetophyllia ferox</i>													
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Orbicella franksi</i>													
<i>Porites astreoides</i>	1	1								1		7	10
<i>Porites porites</i>	1			1									2
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>					1								1
<i>Siderastrea radians</i>							1	1					2
<i>Siderastrea siderea</i>	10	4	6	8	4	1	9	4	4	7	5	4	66
<i>Siderastrea sp.</i>						1							1
<i>Solenastrea bournoni</i>	2	1	1	2	2	1	2	1	1	2	1	1	17
<i>Stephanocoenia intersepta</i>	13	5	5	6	5	2	8	7	3	4	4	5	67
Grand Total	36	21	24	23	17	14	27	21	18	18	18	25	262

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2N2-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2N2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>						1			1				2
<i>Agaricia lamarcki</i>		1			1		1	1			1		5
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1	1	2	2	2	2	1	2	3	1	1	3	21
<i>Diploria labyrinthiformis</i>													
<i>Madracis decactis</i>		1	5			2		1	5		1	4	19
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	2	3	7	3	3	7	3	3	7	2	3	7	50
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>													
<i>Porites porites</i>	1			1			1			1			4
<i>Pseudodiploria clivosa</i>													
<i>Scolymia cubensis</i>			1						1			1	3
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>	6	3	2	4	2	1	5	2		4	1		30
<i>Siderastrea sp.</i>									1				1
<i>Solenastrea bournoni</i>	2	1	1	2	1	1	2	1	1	2	1	1	16
<i>Stephanocoenia intersepta</i>	8	8	4	8	9	4	6	9	4	7	9	3	79
<b>Grand Total</b>	<b>20</b>	<b>18</b>	<b>22</b>	<b>20</b>	<b>18</b>	<b>18</b>	<b>19</b>	<b>19</b>	<b>23</b>	<b>17</b>	<b>17</b>	<b>19</b>	<b>230</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2NC1-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2NC1-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>			1						1			1	3
<i>Agaricia agaricites</i>				2			1		1	1		2	7
<i>Agaricia fragilis</i>													
<i>Agaricia sp.</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	2	2	2	3	2	2	3	3	2	3	3	3	30
<i>Diploria labyrinthiformis</i>									1				1
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Madracis decactis</i>													
<i>Madracis formosa</i>													
<i>Meandrina meandrites</i>	1		1			1			1			1	5
<i>Montastrea cavernosa</i>	3	2	3	4	1	2	4	3	3	4	2	3	34
<i>Mycetophyllia ferox</i>													
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Orbicella franksi</i>													
<i>Porites astreoides</i>	14	14	14	12	14	20	14	15	16	13	13	24	183
<i>Porites porites</i>		2	6	2		7	3	8	11	1	9	8	57
<i>Pseudodiploria clivosa</i>			1			1			1			1	4
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>		2	4	7	1	3	5	1	1	3		2	29
<i>Siderastrea siderea</i>	8	5	11	9	1	9	14	12	14	12	9	12	116
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	1	1	1	1	1	1	1	1	1	1	1		11
<i>Stephanocoenia intersepta</i>	3	5	2	2	3	2	3	1	2	2	3	2	30
<b>Grand Total</b>	<b>32</b>	<b>33</b>	<b>46</b>	<b>42</b>	<b>23</b>	<b>48</b>	<b>48</b>	<b>44</b>	<b>55</b>	<b>40</b>	<b>40</b>	<b>59</b>	<b>510</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2NC1-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2NC1-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>												1	1
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1		1			1			1		1		5
<i>Diploria labyrinthiformis</i>			1			1			1			1	4
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	2	2	1	2	2	1	2	1	1	1	1	1	17
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	15	14	20	11	16	21	16	13	21	16	15	22	200
<i>Porites porites</i>	1	3	5		3	4	1	3	5	2	6	4	37
<i>Pseudodiploria clivosa</i>			1			1			1			1	4
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>	1	1	1		3	1	1	1	1				10
<i>Siderastrea siderea</i>	8	4	11	9	5	13	8	7	14	10	8	12	109
<i>Siderastrea sp.</i>							1	2	1	3	3	3	13
<i>Solenastrea bournoni</i>	1	1	1	1	1	1	1	1	1	1	1	1	12
<i>Stephanocoenia intersepta</i>	2	3	2	4	3	2	4	2	2	3	2	2	31
<b>Grand Total</b>	<b>31</b>	<b>28</b>	<b>44</b>	<b>27</b>	<b>33</b>	<b>46</b>	<b>34</b>	<b>30</b>	<b>49</b>	<b>36</b>	<b>37</b>	<b>48</b>	<b>443</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2NC2-RR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2NC2-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>										-	-	-	
<i>Agaricia agaricites</i>										-	-	-	
<i>Agaricia fragilis</i>										-	-	-	
<i>Agaricia sp.</i>										-	-	-	
<i>Colpophyllia natans</i>										-	-	-	
<i>Dichocoenia stokesi</i>	5		3	5	3	5	7	2	1	-	-	-	31
<i>Diploria labyrinthiformis</i>										-	-	-	
<i>Eusmilia fastigiata</i>										-	-	-	
<i>Favia fragum</i>										-	-	-	
<i>Madracis decactis</i>										-	-	-	
<i>Madracis formosa</i>										-	-	-	
<i>Meandrina meandrites</i>	1	1	1	1	1		1	1		-	-	-	7
<i>Montastrea cavernosa</i>	7	8	6	8	9	10	8	8	9	-	-	-	73
<i>Mycetophyllia ferox</i>										-	-	-	
<i>Oculina diffusa</i>								1		-	-	-	1
<i>Orbicella faveolata</i>										-	-	-	
<i>Orbicella franksi</i>										-	-	-	
<i>Porites astreoides</i>			1			1		1	1	-	-	-	4
<i>Porites porites</i>		2	2		1	3		2		-	-	-	10
<i>Pseudodiploria clivosa</i>										-	-	-	
<i>Pseudodiploria strigosa</i>				1						-	-	-	1
<i>Siderastrea radians</i>				1	1		2	3	2	-	-	-	9
<i>Siderastrea siderea</i>	8	10	5	8	14	9	10	13	17	-	-	-	94
<i>Siderastrea sp.</i>										-	-	-	
<i>Solenastrea bournoni</i>		2			2			2		-	-	-	6
<i>Stephanocoenia intersepta</i>	5	6	5	8	6	5	5	7	7	-	-	-	54
<b>Grand Total</b>	<b>26</b>	<b>29</b>	<b>23</b>	<b>32</b>	<b>37</b>	<b>33</b>	<b>33</b>	<b>40</b>	<b>37</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>290</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2NC2-RR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2NC2-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	3		1	2		1	3		1	3		1	15
<i>Diploria labyrinthiformis</i>													
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>					1	1		1	1				4
<i>Montastrea cavernosa</i>	8	7	8	8	8	7	8	8	9	8	9	9	97
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>			1			1			1				3
<i>Porites porites</i>			2			1			2				5
<i>Pseudodiploria clivosa</i>													
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>		5	3	1	6	3		9	3	1	6	3	40
<i>Siderastrea sp.</i>							1				2		3
<i>Solenastrea bournoni</i>		2			2			2			2		8
<i>Stephanocoenia intersepta</i>	7	5	6	6	7	7	8	4	5	6	7	8	76
<b>Grand Total</b>	<b>18</b>	<b>19</b>	<b>21</b>	<b>17</b>	<b>24</b>	<b>21</b>	<b>20</b>	<b>24</b>	<b>22</b>	<b>18</b>	<b>26</b>	<b>21</b>	<b>251</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2NC3-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2NC3-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>										-	-	-	11
<i>Agaricia agaricites</i>	4	2	1	1	3					-	-	-	
<i>Agaricia fragilis</i>										-	-	-	
<i>Agaricia sp.</i>										-	-	-	
<i>Colpophyllia natans</i>		1			1		1	1		-	-	-	4
<i>Dichocoenia stokesi</i>	2	1	6	2		7	2		2	-	-	-	22
<i>Diploria labyrinthiformis</i>										-	-	-	
<i>Eusmilia fastigiata</i>										-	-	-	
<i>Favia fragum</i>										-	-	-	
<i>Madracis decactis</i>										-	-	-	
<i>Madracis formosa</i>										-	-	-	
<i>Meandrina meandrites</i>	2		1	3		2	2		1	-	-	-	11
<i>Montastrea cavernosa</i>	6	6	5	5	6	8	5	7	4	-	-	-	52
<i>Mycetophyllia ferox</i>										-	-	-	
<i>Oculina diffusa</i>	1						1			-	-	-	2
<i>Orbicella faveolata</i>	1									-	-	-	1
<i>Orbicella franksi</i>				1						-	-	-	1
<i>Porites astreoides</i>	1	1	2	1	1	1	2	1		-	-	-	10
<i>Porites porites</i>	1	1	4	1		4		1		-	-	-	12
<i>Pseudodiploria clivosa</i>										-	-	-	
<i>Pseudodiploria strigosa</i>										-	-	-	
<i>Siderastrea radians</i>						2				-	-	-	2
<i>Siderastrea siderea</i>	12	9	13	14	11	20	11	9	2	-	-	-	101
<i>Siderastrea sp.</i>										-	-	-	
<i>Solenastrea bournoni</i>	4	4		5	4	1	5	5		-	-	-	28
<i>Stephanocoenia intersepta</i>	7	11	3	8	8	6	6	3	1	-	-	-	53
Grand Total	41	36	35	41	34	51	35	27	10	-	-	-	310

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2NC3-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2NC3-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>	-	-	-	-	-	-	2	1		2	2	2	9
<i>Agaricia lamarcki</i>	-	-	-	-	-	-		4	2			1	7
<i>Colpophyllia natans</i>	-	-	-	-	-	-		1			1		2
<i>Dichocoenia stokesi</i>	-	-	-	-	-	-			3			3	6
<i>Diploria labyrinthiformis</i>	-	-	-	-	-	-							
<i>Madracis decactis</i>	-	-	-	-	-	-							
<i>Meandrina meandrites</i>	-	-	-	-	-	-	1		1				2
<i>Montastrea cavernosa</i>	-	-	-	-	-	-	7	6	4	6	4	5	32
<i>Orbicella faveolata</i>	-	-	-	-	-	-	1			1			2
<i>Porites astreoides</i>	-	-	-	-	-	-	3		1	2		1	7
<i>Porites porites</i>	-	-	-	-	-	-	3		1	1			5
<i>Pseudodiploria clivosa</i>	-	-	-	-	-	-							
<i>Scolymia cubensis</i>	-	-	-	-	-	-							
<i>Siderastrea radians</i>	-	-	-	-	-	-							
<i>Siderastrea siderea</i>	-	-	-	-	-	-	14	9	15	12	10	13	73
<i>Siderastrea sp.</i>	-	-	-	-	-	-		1			1		2
<i>Solenastrea bournoni</i>	-	-	-	-	-	-	4	4		5	4	1	18
<i>Stephanocoenia intersepta</i>	-	-	-	-	-	-	7	11	5	5	13	7	48
<b>Grand Total</b>	-	-	-	-	-	-	42	37	32	34	35	33	213

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2S1-RR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2S1-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>													
<i>Agaricia agaricites</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	2	3	3	2	3	3	3	3	3	2	3	3	33
<i>Eusmilia fastigiata</i>			1						1				2
<i>Favia fragum</i>			1										1
<i>Madracis sp.</i>													
<i>Meandrina meandrites</i>	2	1		2	1		2	1		2	1		12
<i>Montastrea cavernosa</i>	2	1		2	1	1	2	1		2	1	2	15
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	8	4	3	5	4	3	3	3	4	4	3	3	47
<i>Porites porites</i>	1						4			3		1	9
<i>Pseudodiploria clivosa</i>	1			1			1			1			4
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>	2									1			3
<i>Siderastrea siderea</i>	4		2	3		4	7	4	3	7	3	3	40
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	2	2	6	2	2	5	1	2	5	3	2	5	37
<i>Stephanocoenia intersepta</i>	1	4	2	1	3	4	1	1	3	1	1	2	24
<b>Grand Total</b>	<b>25</b>	<b>15</b>	<b>18</b>	<b>18</b>	<b>14</b>	<b>20</b>	<b>24</b>	<b>15</b>	<b>19</b>	<b>26</b>	<b>14</b>	<b>19</b>	<b>227</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2S1-RR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2S1-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>													
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Dichocoenia stokesi</i>		1			1			1			1		4
<i>Montastrea cavernosa</i>	2	1		2	1		2	1		2	1	1	13
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	7	4	3	7	3	2	8	3	3	8	4	3	55
<i>Porites porites</i>				2					1			1	4
<i>Pseudodiploria clivosa</i>	1			1			1			1			4
<i>Pseudodiploria strigosa</i>													
<i>Siderastrea radians</i>	1												1
<i>Siderastrea siderea</i>	1	1	3	1	1	4	2	1	3	2	1	4	24
<i>Siderastrea sp.</i>											1		1
<i>Solenastrea bournoni</i>	2	2	5	2	2	5	2	2	4	3	2	6	37
<i>Stephanocoenia intersepta</i>	1	1	7	1	1	7	1	1	6	1	1	7	35
<b>Grand Total</b>	<b>15</b>	<b>10</b>	<b>18</b>	<b>16</b>	<b>9</b>	<b>18</b>	<b>16</b>	<b>9</b>	<b>17</b>	<b>17</b>	<b>11</b>	<b>22</b>	<b>178</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2S2-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2S2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>													
<i>Agaricia agaricites</i>													
<i>Colpophyllia natans</i>	1		2	1		2	1		2	1		2	12
<i>Dichocoenia stokesi</i>	1	1	3	2	2	3	2	3	3	2	2	3	27
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Madracis sp.</i>						1							1
<i>Meandrina meandrites</i>		1	2		1	2		1	2		1	2	12
<i>Montastrea cavernosa</i>	5	1	2	5	1	2	5	2	2	5	1	2	33
<i>Oculina diffusa</i>		2						2					4
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1	2	2	1	3	5	1	3	1	1	5	4	29
<i>Porites porites</i>	3	2	6	3	2	1	2	2	2		1	3	27
<i>Pseudodiploria clivosa</i>		1											1
<i>Pseudodiploria strigosa</i>		1			1								2
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>	3	1	2			3	4	4	4	1	1	3	26
<i>Siderastrea sp.</i>				1									1
<i>Solenastrea bournoni</i>	3	1		3	1		3	1		2	1		15
<i>Stephanocoenia intersepta</i>	4	3	8	2	3	8	3	3	9	3	2	8	56
<b>Grand Total</b>	<b>21</b>	<b>16</b>	<b>27</b>	<b>18</b>	<b>14</b>	<b>27</b>	<b>21</b>	<b>21</b>	<b>25</b>	<b>15</b>	<b>14</b>	<b>27</b>	<b>246</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2S2-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2S2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>													
<i>Agaricia agaricites</i>		2	1		2			3					8
<i>Agaricia lamarcki</i>													
<i>Dichocoenia stokesi</i>													
<i>Montastrea cavernosa</i>	4	1	1	4	1	1	4	1	1	4		2	24
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1	4	2	1	4	2	1	5	2	1	4	2	29
<i>Porites porites</i>	2	2	1	1	2		2	2	1	2	2	1	18
<i>Pseudodiploria clivosa</i>													
<i>Pseudodiploria strigosa</i>		1			1								2
<i>Siderastrea radians</i>													
<i>Siderastrea siderea</i>		2	2		1	3		1	3		1	3	16
<i>Siderastrea sp.</i>			1						1				2
<i>Solenastrea bournoni</i>	3			3			3			1			10
<i>Stephanocoenia intersepta</i>	2	1	7	1	1	5		2	6	3	2	8	38
<b>Grand Total</b>	<b>12</b>	<b>13</b>	<b>15</b>	<b>10</b>	<b>12</b>	<b>11</b>	<b>10</b>	<b>14</b>	<b>14</b>	<b>11</b>	<b>9</b>	<b>16</b>	<b>147</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2SC1-RR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2SC1-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>	2			1			1			1			5
<i>Agaricia agaricites</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	3		2	3		3	3		2	2		3	21
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>	1												1
<i>Madracis sp.</i>				1									1
<i>Meandrina meandrites</i>	1			1			1			1		1	5
<i>Montastrea cavernosa</i>	1	3	2	1	3	3	1	4	2	1	4	2	27
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>	1		1	1			1		1	1		1	7
<i>Porites astreoides</i>	26	23	13	45	30	20	31	31	15	40	37	16	327
<i>Porites porites</i>	6	2	3				4	3	1	1	1		21
<i>Pseudodiploria clivosa</i>	2	2	2	2	2	2	3	2	1	2	2		22
<i>Pseudodiploria strigosa</i>	2		1	2		1	1		1	3		3	14
<i>Siderastrea radians</i>		1											1
<i>Siderastrea siderea</i>	3	1	2	1	5	4	6	7	3	6	3	1	42
<i>Siderastrea sp.</i>				7	1						1	2	11
<i>Solenastrea bournoni</i>	5	4	8	6	8	8	3	5	6	5	7	8	73
<i>Stephanocoenia intersepta</i>	1	3	3	1	1	1	2	1	3		2	2	20
<b>Grand Total</b>	<b>54</b>	<b>39</b>	<b>37</b>	<b>72</b>	<b>50</b>	<b>42</b>	<b>57</b>	<b>53</b>	<b>35</b>	<b>63</b>	<b>57</b>	<b>39</b>	<b>598</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2SC1-RR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2SC1-RR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>	1			1			1			1			4
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Dichocoenia stokesi</i>													
<i>Montastrea cavernosa</i>	1	1	2	1	1	2	1	1	2	1	1	2	16
<i>Orbicella faveolata</i>	1		1	1		1	1		1	1		1	8
<i>Porites astreoides</i>	47	35	17	46	33	23	51	44	26	52	39	26	439
<i>Porites porites</i>	3	2	1	2	2	3	1	2	4	2	2	2	26
<i>Pseudodiploria clivosa</i>	2	2	1	2	2	2	2	2	2	2	2	2	23
<i>Pseudodiploria strigosa</i>	2			1			1			1			5
<i>Siderastrea radians</i>				1									1
<i>Siderastrea siderea</i>	5	5	1	5	5	3	3	4	3	6	4	2	46
<i>Siderastrea sp.</i>	2	1					2	1			1	1	8
<i>Solenastrea bournoni</i>	3	5	7	1	6	7	3	5	7	1	6	7	58
<i>Stephanocoenia intersepta</i>	1	1	3	2	1	3		1	5	1	1	4	23
<b>Grand Total</b>	<b>68</b>	<b>52</b>	<b>33</b>	<b>63</b>	<b>50</b>	<b>44</b>	<b>66</b>	<b>60</b>	<b>50</b>	<b>68</b>	<b>56</b>	<b>47</b>	<b>657</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2SC2-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R2SC2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>	4	1		3	1		6	1		3			19
<i>Agaricia agaricites</i>		1		1	1			1			1		5
<i>Colpophyllia natans</i>			1			1			1			2	5
<i>Dichocoenia stokesi</i>	2	1	2	2	1	2	3	1	2	4	1	1	22
<i>Eusmilia fastigiata</i>													
<i>Favia fragum</i>													
<i>Madracis sp.</i>													
<i>Meandrina meandrites</i>	3	3	2	3	3	1	3	3	1	3	3	1	29
<i>Montastrea cavernosa</i>	1		1			4	1		2			2	11
<i>Oculina diffusa</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	1	7	1	2	3	1	2	2	5	1	2	2	29
<i>Porites porites</i>	3	1	4	2		5							15
<i>Pseudodiploria clivosa</i>	1	1			1			1			1		5
<i>Pseudodiploria strigosa</i>			1			1			1			1	4
<i>Siderastrea radians</i>			1	3		2	1						7
<i>Siderastrea siderea</i>	9	5	21	8	2	10	8	3	11	3	2	12	94
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>													
<i>Stephanocoenia intersepta</i>			3		1						1	2	7
<b>Grand Total</b>	<b>24</b>	<b>20</b>	<b>37</b>	<b>24</b>	<b>13</b>	<b>27</b>	<b>24</b>	<b>12</b>	<b>23</b>	<b>14</b>	<b>11</b>	<b>23</b>	<b>252</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R2SC2-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R2SC2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Acropora cervicornis</i>		1			1			2		1	2		7
<i>Agaricia agaricites</i>	1	1	1	2	1	1	1	1	1	2	1	1	14
<i>Agaricia lamarcki</i>	1			1			2			2			6
<i>Dichocoenia stokesi</i>													
<i>Montastrea cavernosa</i>			3			1			1	1		1	7
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	2	2	2	4	4	3	3	4	2	2	3	2	33
<i>Porites porites</i>	1		1	2		2	1				1	1	9
<i>Pseudodiploria clivosa</i>		1			1			1			1		4
<i>Pseudodiploria strigosa</i>	1			1			1			1			4
<i>Siderastrea radians</i>	2	1	2	3									8
<i>Siderastrea siderea</i>	5	2	10	4	3	13	9	2	11	8	2	9	78
<i>Siderastrea sp.</i>							1	1	1	2	1		6
<i>Solenastrea bournoni</i>													
<i>Stephanocoenia intersepta</i>		1	3		1	3	1	1	3		1	2	16
<b>Grand Total</b>	<b>13</b>	<b>9</b>	<b>22</b>	<b>17</b>	<b>11</b>	<b>23</b>	<b>19</b>	<b>12</b>	<b>19</b>	<b>19</b>	<b>12</b>	<b>16</b>	<b>192</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3N1-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3N1-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>		1					-	-	-	1			2
<i>Colpophyllia natans</i>							-	-	-				
<i>Dichocoenia stokesi</i>	1			1			-	-	-	1			3
<i>Favia fragum</i>	1						-	-	-				1
<i>Madracis decactis</i>	1				1		-	-	-				2
<i>Meandrina meandrites</i>	1	1					-	-	-	1	1		4
<i>Montastrea cavernosa</i>	5	2	4	4	2	3	-	-	-	4	2	3	29
<i>Orbicella faveolata</i>							-	-	-	1			1
<i>Porites astreoides</i>	8	14	7	4	6	5	-	-	-	4	6	5	59
<i>Porites porites</i>			2		2	1	-	-	-		2	1	8
<i>Pseudodiploria strigosa</i>				1			-	-	-				1
<i>Siderastrea radians</i>	3			1	1	1	-	-	-	1			7
<i>Siderastrea siderea</i>							-	-	-		1	1	2
<i>Siderastrea sp.</i>		2					-	-	-				2
<i>Solenastrea bournoni</i>	1	1	1	1	1	1	-	-	-	1	1	1	9
<i>Stephanocoenia intersepta</i>	2		2	1	1	2	-	-	-	1	1	2	12
<b>Grand Total</b>	<b>23</b>	<b>21</b>	<b>16</b>	<b>13</b>	<b>14</b>	<b>13</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>14</b>	<b>13</b>	<b>142</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3N1-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3N1-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>		1											1
<i>Agaricia lamarcki</i>				1			1	1					3
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1												1
<i>Madracis decactis</i>		1			4			2			2		9
<i>Meandrina meandrites</i>	1			1			1			1			4
<i>Montastrea cavernosa</i>	5	1	3	4	1	3	4	1	3	3	1	3	32
<i>Porites astreoides</i>	6	7	7	4	6	8	5	6	8	6	6	10	79
<i>Porites porites</i>			2		1	1		2			2	2	10
<i>Pseudodiploria strigosa</i>				1			1			1			3
<i>Scolymia cubensis</i>													
<i>Siderastrea siderea</i>	2		1			1						1	5
<i>Siderastrea sp.</i>													
<i>Solenastrea bournoni</i>	1	1	1	1	1	1	1	1		1	1		10
<i>Stephanocoenia intersepta</i>	3	1	4		1	3	1	1	4	1	1	2	22
<b>Grand Total</b>	<b>19</b>	<b>12</b>	<b>18</b>	<b>12</b>	<b>14</b>	<b>17</b>	<b>14</b>	<b>14</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>18</b>	<b>179</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3NC1-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3NC1-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>							-	-	-	-	-	-	
<i>Colpophyllia natans</i>			1			1	-	-	-	-	-	-	2
<i>Dichocoenia stokesi</i>		1	3			1	-	-	-	-	-	-	5
<i>Favia fragum</i>							-	-	-	-	-	-	
<i>Madracis decactis</i>							-	-	-	-	-	-	
<i>Meandrina meandrites</i>	2	1	1	2	1	1	-	-	-	-	-	-	8
<i>Montastrea cavernosa</i>	4	1		1	1		-	-	-	-	-	-	7
<i>Orbicella faveolata</i>							-	-	-	-	-	-	
<i>Porites astreoides</i>	1	3	4	1	3	2	-	-	-	-	-	-	14
<i>Porites porites</i>			1			1	-	-	-	-	-	-	2
<i>Pseudodiploria strigosa</i>	1			1			-	-	-	-	-	-	2
<i>Siderastrea radians</i>							-	-	-	-	-	-	
<i>Siderastrea siderea</i>	6	6	6	2	2	3	-	-	-	-	-	-	25
<i>Siderastrea sp.</i>							-	-	-	-	-	-	
<i>Solenastrea bournoni</i>	2	2	1	1	2	2	-	-	-	-	-	-	10
<i>Stephanocoenia intersepta</i>	6	8	7	3	2	4	-	-	-	-	-	-	30
<b>Grand Total</b>	<b>22</b>	<b>22</b>	<b>24</b>	<b>11</b>	<b>11</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>105</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3NC1-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3NC1-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>									1				1
<i>Colpophyllia natans</i>			1			1			1			1	4
<i>Dichocoenia stokesi</i>													
<i>Madracis decactis</i>			1			1			1				3
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	3		1	3	1		2		1	4		1	16
<i>Porites astreoides</i>	4	6	3	3	5	3	4	5	3	4	5	3	48
<i>Porites porites</i>			1			1			1			1	4
<i>Pseudodiploria strigosa</i>													
<i>Scolymia cubensis</i>										1			1
<i>Siderastrea siderea</i>	4	6	7	6	6	4	4	8	8	6	8	7	74
<i>Siderastrea sp.</i>												1	1
<i>Solenastrea bournoni</i>	2	2		2	2		2	2		2	2		16
<i>Stephanocoenia intersepta</i>	6	12	12	13	13	16	9	12	18	11	12	14	148
<b>Grand Total</b>	<b>19</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>21</b>	<b>27</b>	<b>34</b>	<b>28</b>	<b>27</b>	<b>28</b>	<b>316</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3S1-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3S1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>						1	-	-	-				1
<i>Agaricia lamarcki</i>							-	-	-				
<i>Colpophyllia natans</i>							-	-	-				
<i>Dichocoenia stokesi</i>		1			1		-	-	-		1		3
<i>Diploria labyrinthiformis</i>							-	-	-				
<i>Eusmilia fastigiata</i>							-	-	-				
<i>Favia fragum</i>							-	-	-				
<i>Madracis decactis</i>			1				-	-	-				1
<i>Meandrina meandrites</i>	1	3	1		3	1	-	-	-	1	1	1	12
<i>Montastrea cavernosa</i>	2	4	1	1	3	1	-	-	-	1	3	1	17
<i>Mycetophyllia aliciae</i>							-	-	-				
<i>Mycetophyllia ferox</i>							-	-	-				
<i>Orbicella annularis</i>							-	-	-				
<i>Orbicella faveolata</i>							-	-	-				
<i>Porites astreoides</i>	5	1	5	4	1	6	-	-	-	4	1	7	34
<i>Porites furcata</i>							-	-	-				
<i>Porites porites</i>		1	3			1	-	-	-		1	1	7
<i>Pseudodiploria sp.</i>							-	-	-				
<i>Pseudodiploria strigosa</i>							-	-	-				
<i>Scolymia cubensis</i>							-	-	-				
<i>Siderastrea radians</i>							-	-	-				
<i>Siderastrea siderea</i>	8	7	9	3	1	2	-	-	-	3	2	1	36
<i>Siderastrea sp.</i>				1	1	1	-	-	-				3
<i>Solenastrea bournoni</i>	1			1		1	-	-	-	1			4
<i>Stephanocoenia intersepta</i>	1	3	3	1	1	1	-	-	-	1	1	1	13
<b>Grand Total</b>	<b>18</b>	<b>20</b>	<b>23</b>	<b>11</b>	<b>11</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11</b>	<b>10</b>	<b>12</b>	<b>131</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3S1-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3S1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>						2			1			1	4
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>													
<i>Diploria labyrinthiformis</i>													
<i>Eusmilia fastigiata</i>													
<i>Madracis decactis</i>			3						1				4
<i>Meandrina meandrites</i>		1			1			1					3
<i>Montastrea cavernosa</i>	2	1	1	3	2	2	1	2	3	1	2	1	21
<i>Mycetophyllia aliciae</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	4		13	4	2	8	6	6	12	5		11	71
<i>Porites porites</i>			1	1		4		1	5		2	2	16
<i>Pseudodiploria strigosa</i>													
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>	1			2		1							4
<i>Siderastrea siderea</i>	9	5	7	7	5	5	7	4	6	7	5	6	73
<i>Siderastrea sp.</i>							3	2	1	2		1	9
<i>Solenastrea bournoni</i>			1										1
<i>Stephanocoenia intersepta</i>	2		1	2	2	1	2	1	1	2		1	15
<b>Grand Total</b>	<b>18</b>	<b>7</b>	<b>27</b>	<b>19</b>	<b>12</b>	<b>23</b>	<b>19</b>	<b>17</b>	<b>30</b>	<b>17</b>	<b>9</b>	<b>23</b>	<b>221</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3S2-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3S2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>							-	-	-				
<i>Agaricia lamarcki</i>							-	-	-				
<i>Colpophyllia natans</i>						1	-	-	-				1
<i>Dichocoenia stokesi</i>		1	3	1	1	1	-	-	-			1	8
<i>Diploria labyrinthiformis</i>			1			1	-	-	-			1	3
<i>Eusmilia fastigiata</i>		1			1		-	-	-		1		3
<i>Favia fragum</i>							-	-	-				
<i>Madracis decactis</i>							-	-	-				
<i>Meandrina meandrites</i>		1	1		1	1	-	-	-		1	2	7
<i>Montastrea cavernosa</i>				1	1		-	-	-	1		1	4
<i>Mycetophyllia aliciae</i>			1				-	-	-				1
<i>Mycetophyllia ferox</i>			1			1	-	-	-			1	3
<i>Orbicella annularis</i>							-	-	-				
<i>Orbicella faveolata</i>	1						-	-	-				1
<i>Porites astreoides</i>	17	17	11	4	5	7	-	-	-	4	4	7	76
<i>Porites furcata</i>							-	-	-				
<i>Porites porites</i>	2						-	-	-	1			3
<i>Pseudodiploria sp.</i>							-	-	-				
<i>Pseudodiploria strigosa</i>							-	-	-			1	1
<i>Scolymia cubensis</i>							-	-	-				
<i>Siderastrea radians</i>							-	-	-				
<i>Siderastrea siderea</i>	13	12	9	1	1	2	-	-	-	1	1	2	42
<i>Siderastrea sp.</i>							-	-	-				
<i>Solenastrea bournoni</i>	3	2	1	4	2	1	-	-	-	4	2	1	20
<i>Stephanocoenia intersepta</i>	5	1	3	2	2	1	-	-	-	2	2	1	19
<b>Grand Total</b>	<b>41</b>	<b>35</b>	<b>31</b>	<b>13</b>	<b>14</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>11</b>	<b>18</b>	<b>192</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3S2-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3S2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>	1	1					1	1		2	1		7
<i>Diploria labyrinthiformis</i>													
<i>Eusmilia fastigiata</i>		1			1			1			1		4
<i>Madracis decactis</i>							1						1
<i>Meandrina meandrites</i>													
<i>Montastrea cavernosa</i>	1		1	1	2	1	2	2	1		2	1	14
<i>Mycetophyllia aliciae</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	16	14	9	18	16	9	16	18	10	17	13	7	163
<i>Porites porites</i>													
<i>Pseudodiploria strigosa</i>			1			1			1			1	4
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>	8	3	5	2	1	2						1	22
<i>Siderastrea siderea</i>	7	5	2	13	6	4	10	3	3	15	6	3	77
<i>Siderastrea sp.</i>							8	4	5	3	1	2	23
<i>Solenastrea bournoni</i>	2	2	1	3	2	1	3	2	1	3	2	1	23
<i>Stephanocoenia intersepta</i>	2	1	2	2	4	2	2	3	2	2	4	1	27
<b>Grand Total</b>	<b>37</b>	<b>27</b>	<b>21</b>	<b>39</b>	<b>32</b>	<b>20</b>	<b>43</b>	<b>34</b>	<b>23</b>	<b>42</b>	<b>30</b>	<b>17</b>	<b>365</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3S3-SG Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3S3-SG												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>							-	-	-				
<i>Agaricia lamarcki</i>							-	-	-				
<i>Colpophyllia natans</i>			1			1	-	-	-			1	3
<i>Dichocoenia stokesi</i>		1			1		-	-	-		1		3
<i>Diploria labyrinthiformis</i>			1			1	-	-	-			1	3
<i>Eusmilia fastigiata</i>							-	-	-				
<i>Favia fragum</i>							-	-	-				
<i>Madracis decactis</i>							-	-	-	1			1
<i>Meandrina meandrites</i>		2	1		1	1	-	-	-			1	6
<i>Montastrea cavernosa</i>	3	6	1	3	6		-	-	-	3	5		27
<i>Mycetophyllia aliciae</i>							-	-	-				
<i>Mycetophyllia ferox</i>							-	-	-				
<i>Orbicella annularis</i>							-	-	-		1		1
<i>Orbicella faveolata</i>						1	-	-	-				1
<i>Porites astreoides</i>	10	11	19	3	2	3	-	-	-	3	2	2	55
<i>Porites furcata</i>							-	-	-				
<i>Porites porites</i>							-	-	-		1		1
<i>Pseudodiploria sp.</i>							-	-	-				
<i>Pseudodiploria strigosa</i>			1		1	2	-	-	-			1	5
<i>Scolymia cubensis</i>							-	-	-				
<i>Siderastrea radians</i>							-	-	-				
<i>Siderastrea siderea</i>	1	10	7	1	2	2	-	-	-	1	2	1	27
<i>Siderastrea sp.</i>							-	-	-				
<i>Solenastrea bournoni</i>	2		1	3		1	-	-	-	3		1	11
<i>Stephanocoenia intersepta</i>	2		4	1		1	-	-	-	2			10
<b>Grand Total</b>	<b>18</b>	<b>30</b>	<b>36</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>12</b>	<b>8</b>	<b>154</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3S3-SG Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3S3-SG												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>	1		1			1			1			1	5
<i>Dichocoenia stokesi</i>													
<i>Diploria labyrinthiformis</i>			2			2			1			2	7
<i>Eusmilia fastigiata</i>													
<i>Madracis decactis</i>						1			1				2
<i>Meandrina meandrites</i>			1			1			1			1	4
<i>Montastrea cavernosa</i>	2	2	1	2	2	1	2	2	1	2	2	1	20
<i>Mycetophyllia aliciae</i>													
<i>Orbicella faveolata</i>		1			1			1			1		4
<i>Porites astreoides</i>	12	14	18	14	14	25	14	13	20	15	14	14	187
<i>Porites porites</i>													
<i>Pseudodiploria strigosa</i>			1	1		1	1		1	1			6
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>		3			1			1					5
<i>Siderastrea siderea</i>	1	4	4	1	5	8	1	5	5	1	6	9	50
<i>Siderastrea sp.</i>								2	3	1	3	2	11
<i>Solenastrea bournoni</i>	2	1	2	2		2	2		2	2		2	17
<i>Stephanocoenia intersepta</i>	1	2	2	2	1	2	3	1	3	4	1	2	24
<b>Grand Total</b>	<b>19</b>	<b>27</b>	<b>32</b>	<b>22</b>	<b>24</b>	<b>44</b>	<b>23</b>	<b>25</b>	<b>39</b>	<b>26</b>	<b>27</b>	<b>34</b>	<b>342</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3SC1-CP Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3SC1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>							-	-	-	-	-	-	
<i>Agaricia lamarcki</i>		1	1		1		-	-	-	-	-	-	3
<i>Colpophyllia natans</i>			1			1	-	-	-	-	-	-	2
<i>Dichocoenia stokesi</i>		1			1		-	-	-	-	-	-	2
<i>Diploria labyrinthiformis</i>		1					-	-	-	-	-	-	1
<i>Eusmilia fastigiata</i>	1						-	-	-	-	-	-	1
<i>Favia fragum</i>							-	-	-	-	-	-	
<i>Madracis decactis</i>							-	-	-	-	-	-	
<i>Meandrina meandrites</i>		3			2		-	-	-	-	-	-	5
<i>Montastrea cavernosa</i>	6	3	3	4	3	1	-	-	-	-	-	-	20
<i>Mycetophyllia aliciae</i>							-	-	-	-	-	-	
<i>Mycetophyllia ferox</i>			1			1	-	-	-	-	-	-	2
<i>Orbicella annularis</i>				1			-	-	-	-	-	-	1
<i>Orbicella faveolata</i>							-	-	-	-	-	-	
<i>Porites astreoides</i>	11	23	17	3	3	2	-	-	-	-	-	-	59
<i>Porites furcata</i>							-	-	-	-	-	-	
<i>Porites porites</i>	1	3	11	2	1	2	-	-	-	-	-	-	20
<i>Pseudodiploria sp.</i>							-	-	-	-	-	-	
<i>Pseudodiploria strigosa</i>							-	-	-	-	-	-	
<i>Scolymia cubensis</i>							-	-	-	-	-	-	
<i>Siderastrea radians</i>							-	-	-	-	-	-	
<i>Siderastrea siderea</i>	5	7	7	1	1	3	-	-	-	-	-	-	24
<i>Siderastrea sp.</i>							-	-	-	-	-	-	
<i>Solenastrea bournoni</i>	4	3	3	3	2	1	-	-	-	-	-	-	16
<i>Stephanocoenia intersepta</i>	2	1	2	1	1	1	-	-	-	-	-	-	8
<b>Grand Total</b>	<b>30</b>	<b>46</b>	<b>46</b>	<b>15</b>	<b>15</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>164</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3SC1-CP Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3SC1-CP												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>			1										1
<i>Agaricia lamarcki</i>		1			1	1		1	1		1	1	7
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>													
<i>Diploria labyrinthiformis</i>					1								1
<i>Eusmilia fastigiata</i>				1				1		1			3
<i>Madracis decactis</i>				1	1		1	1		1	1		6
<i>Meandrina meandrites</i>									1				1
<i>Montastrea cavernosa</i>	4	3	1	6	4	3	6	4	2	5	3	2	43
<i>Mycetophyllia aliciae</i>			1			1			1			1	4
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	13	22	15	11	18	21	14	19	24	15	17	20	209
<i>Porites porites</i>	5	6	10	6	7	13	5	7	15	6	6	10	96
<i>Pseudodiploria strigosa</i>		1						1					2
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>	1	1		1	1	1		2	2	1	1	1	12
<i>Siderastrea siderea</i>	4	4	10	5	6	14	3	3	10	2	4	11	76
<i>Siderastrea sp.</i>							4	1	6	1			12
<i>Solenastrea bournoni</i>	4	2		4	1		4	2		4	2		23
<i>Stephanocoenia intersepta</i>	3		6		1	6	1		6	3		2	28
<b>Grand Total</b>	<b>34</b>	<b>40</b>	<b>44</b>	<b>35</b>	<b>41</b>	<b>60</b>	<b>38</b>	<b>42</b>	<b>68</b>	<b>39</b>	<b>35</b>	<b>48</b>	<b>524</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3SC2-LR Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3SC2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>							-	-	-	-	-	-	
<i>Agaricia lamarcki</i>							-	-	-	-	-	-	
<i>Colpophyllia natans</i>						1	-	-	-	-	-	-	1
<i>Dichocoenia stokesi</i>	1	1	1	1			-	-	-	-	-	-	4
<i>Diploria labyrinthiformis</i>							-	-	-	-	-	-	
<i>Eusmilia fastigiata</i>		1		1	1		-	-	-	-	-	-	3
<i>Favia fragum</i>			2				-	-	-	-	-	-	2
<i>Madracis decactis</i>							-	-	-	-	-	-	
<i>Meandrina meandrites</i>	1	2	2	2	1	1	-	-	-	-	-	-	9
<i>Montastrea cavernosa</i>		1	3		1	1	-	-	-	-	-	-	6
<i>Mycetophyllia aliciae</i>							-	-	-	-	-	-	
<i>Mycetophyllia ferox</i>							-	-	-	-	-	-	
<i>Orbicella annularis</i>							-	-	-	-	-	-	
<i>Orbicella faveolata</i>							-	-	-	-	-	-	
<i>Porites astreoides</i>	19	35	35	3	5	5	-	-	-	-	-	-	102
<i>Porites furcata</i>							-	-	-	-	-	-	
<i>Porites porites</i>		1	2		1		-	-	-	-	-	-	4
<i>Pseudodiploria sp.</i>		1					-	-	-	-	-	-	1
<i>Pseudodiploria strigosa</i>	3	1		3	1		-	-	-	-	-	-	8
<i>Scolymia cubensis</i>				1			-	-	-	-	-	-	1
<i>Siderastrea radians</i>	2	2	6				-	-	-	-	-	-	10
<i>Siderastrea siderea</i>	1	3	4	1	2	1	-	-	-	-	-	-	12
<i>Siderastrea sp.</i>							-	-	-	-	-	-	
<i>Solenastrea bournoni</i>	2		3	2		3	-	-	-	-	-	-	10
<i>Stephanocoenia intersepta</i>	5	6	6	1	1	1	-	-	-	-	-	-	20
Grand Total	34	54	64	15	13	13	-	-	-	-	-	-	193

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3SC2-LR Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3SC2-LR												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>			2		1			1	2			1	7
<i>Diploria labyrinthiformis</i>													
<i>Eusmilia fastigiata</i>					1								1
<i>Madracis decactis</i>													
<i>Meandrina meandrites</i>			1				1		1		2	1	6
<i>Montastrea cavernosa</i>		2	3		1	3	1	2	4		2	4	22
<i>Mycetophyllia aliciae</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	23	41	35	31	46	42	27	42	45	27	43	52	454
<i>Porites porites</i>		2	1	1	5	1	1	4	1	1	4	1	22
<i>Pseudodiploria strigosa</i>													
<i>Scolymia cubensis</i>	1			1			1			1			4
<i>Siderastrea radians</i>		2								1			3
<i>Siderastrea siderea</i>	5	5	9	5	6	9	5	4	4	8	7	8	75
<i>Siderastrea sp.</i>					1		1	3	4		2	2	13
<i>Solenastrea bournoni</i>			2			2	1		2	2		2	11
<i>Stephanocoenia intersepta</i>	5	4	4	4	5	6	3	5	8	7	6	6	63
<b>Grand Total</b>	<b>34</b>	<b>56</b>	<b>57</b>	<b>42</b>	<b>66</b>	<b>63</b>	<b>41</b>	<b>61</b>	<b>71</b>	<b>47</b>	<b>66</b>	<b>77</b>	<b>681</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3SC3-SG Total Scleractinian Count: Baseline**

BASELINE													
SITE	R3SC3-SG												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>							-	-	-	-	-	-	
<i>Agaricia lamarcki</i>							-	-	-	-	-	-	
<i>Colpophyllia natans</i>			1			1	-	-	-	-	-	-	2
<i>Dichocoenia stokesi</i>	1	1		2	1	1	-	-	-	-	-	-	6
<i>Diploria labyrinthiformis</i>							-	-	-	-	-	-	
<i>Eusmilia fastigiata</i>		1	1		1	1	-	-	-	-	-	-	4
<i>Favia fragum</i>	3		1				-	-	-	-	-	-	4
<i>Madracis decactis</i>							-	-	-	-	-	-	
<i>Meandrina meandrites</i>	1	3	2	2	2	2	-	-	-	-	-	-	12
<i>Montastrea cavernosa</i>	4	5	6	1	1	2	-	-	-	-	-	-	19
<i>Mycetophyllia aliciae</i>							-	-	-	-	-	-	
<i>Mycetophyllia ferox</i>							-	-	-	-	-	-	
<i>Orbicella annularis</i>							-	-	-	-	-	-	
<i>Orbicella faveolata</i>							-	-	-	-	-	-	
<i>Porites astreoides</i>	40	28	46	4	6	3	-	-	-	-	-	-	127
<i>Porites furcata</i>				1		1	-	-	-	-	-	-	2
<i>Porites porites</i>	7	4	3	1	1	1	-	-	-	-	-	-	17
<i>Pseudodiploria sp.</i>							-	-	-	-	-	-	
<i>Pseudodiploria strigosa</i>			3			3	-	-	-	-	-	-	6
<i>Scolymia cubensis</i>							-	-	-	-	-	-	
<i>Siderastrea radians</i>	10	3		1	1	1	-	-	-	-	-	-	16
<i>Siderastrea siderea</i>	3	8	8	2	1	1	-	-	-	-	-	-	23
<i>Siderastrea sp.</i>							-	-	-	-	-	-	
<i>Solenastrea bournoni</i>	2	3		1	3		-	-	-	-	-	-	9
<i>Stephanocoenia intersepta</i>	8	12	7	2	1	1	-	-	-	-	-	-	31
<b>Grand Total</b>	<b>79</b>	<b>68</b>	<b>78</b>	<b>17</b>	<b>18</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>278</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**R3SC3-SG Total Scleractinian Count: Post-construction**

POST-CONSTRUCTION													
SITE	R3SC3-SG												
WEEK	1			2			3			4			TOTAL
TRANSECT	1	2	3	1	2	3	1	2	3	1	2	3	
<i>Agaricia agaricites</i>													
<i>Agaricia lamarcki</i>													
<i>Colpophyllia natans</i>													
<i>Dichocoenia stokesi</i>				1			1						2
<i>Diploria labyrinthiformis</i>													
<i>Eusmilia fastigiata</i>													
<i>Madracis decactis</i>								1					1
<i>Meandrina meandrites</i>						2			1				3
<i>Montastrea cavernosa</i>	3	4	2	3	3	2	4	3	2	5	2	2	35
<i>Mycetophyllia aliciae</i>													
<i>Orbicella faveolata</i>													
<i>Porites astreoides</i>	40	36	59	44	45	64	46	45	62	37	39	54	571
<i>Porites porites</i>	6	5	5	7	5	6	6	9	9	9	9	10	86
<i>Pseudodiploria strigosa</i>			1			1			1			1	4
<i>Scolymia cubensis</i>													
<i>Siderastrea radians</i>	2	1	2	1	1	1				1	1	1	11
<i>Siderastrea siderea</i>	5	6	6	7	8	7	3	5	6	6	8	8	75
<i>Siderastrea sp.</i>							4	5	3	4	2	1	19
<i>Solenastrea bournoni</i>	2	1		1	1		1	2		1	2		11
<i>Stephanocoenia intersepta</i>	4	8	8	3	7	7	4	6	8	3	5	6	69
<b>Grand Total</b>	<b>62</b>	<b>61</b>	<b>83</b>	<b>67</b>	<b>70</b>	<b>90</b>	<b>69</b>	<b>76</b>	<b>92</b>	<b>66</b>	<b>68</b>	<b>83</b>	<b>887</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**Hardbottom North Sites Total Octocoral Counts**

No octocorals were recorded at HBN1-CR during baseline and post-construction surveys.

BASELINE												
SITE	HBN2-CR				HBN3-CP				HBNC1-CP			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
<i>Briareum</i>			1	1						3	64	67
<i>Erythropodium</i>											10	10
<i>Eunicea</i>	2	3	5	10	35	21	17	73	131	140	142	413
<i>Gorgonia</i>					2	4	4	10				
<i>Muricea</i>			1	1	1	3		4	23	64	25	112
<i>Muriceopsis</i>												
<i>Plexaura</i>					1	3	7	11	33	53	25	111
<i>Plexaurella</i>									60	72	84	216
<i>Pseudoplexaura</i>	1			1	1	1		2	2	3	6	11
<i>Pseudopterogorgia</i>					16	9	5	30	42	82	46	170
<i>Pterogorgia</i>									69	95	78	242
Grand Total	3	3	7	13	56	41	33	130	360	512	480	1352

POST-CONSTRUCTION												
SITE	HBN2-CR				HBN3-CP				HBNC1-CP			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
<i>Briareum</i>									70	58	75	203
<i>Erythropodium</i>					1			1	7	4	3	14
<i>Eunicea</i>		3	2	5	20	15	17	52	215	226	218	659
<i>Gorgonia</i>					2	7	6	15				
<i>Muricea</i>			3	3	1	3	5	9	39	50	44	133
<i>Plexaura</i>					2	1	3	6	6	9	7	22
<i>Plexaurella</i>									79	94	88	261
<i>Pseudoplexaura</i>	1			1	1	1	1	3	8	11	9	28
<i>Pseudopterogorgia</i>					11	4	4	19	46	52	42	140
<i>Pterogorgia</i>									76	55	89	220
Grand Total	1	3	5	9	38	31	36	105	546	559	575	1680

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**Hardbottom South Sites Total Octocoral Counts**

BASELINE																				
SITE	HBS1-CP				HBS2-CP				HBS3-CP				HBS4-CR				HBSC1-CP			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
<i>Briareum</i>																		1	1	2
<i>Erythropodium</i>																				
<i>Eunicea</i>	33	32	31	96	6	5	10	21	61	76	58	195	48	57	49	154	30	54	53	137
<i>Gorgonia</i>	10	5	3	18					8	1	3	12		1	2	3	8	15	9	32
<i>Muricea</i>	15	12	5	32	4		1	5	8	19	19	46	4	3		7	36	34	19	89
<i>Muriceopsis</i>																	3			3
<i>Plexaura</i>	9	10	10	29	2	4	10	16	45	36	42	123	18	25	11	54	11	11	21	43
<i>Plexaurella</i>							1	1	16	18	16	50	16	10	7	33	5	7	3	15
<i>Pseudoplexaura</i>	2	1	1	4	2		2	4	28	19	19	66	8	7	9	24	13	16	35	64
<i>Pseudopterogorgia</i>	2	13	13	28		3	3	6	39	23	32	94	19	19	18	56	14	15	18	47
<i>Pterogorgia</i>					1		4	5		2	9	11						1	1	2
<b>Grand Total</b>	<b>71</b>	<b>73</b>	<b>63</b>	<b>207</b>	<b>15</b>	<b>12</b>	<b>31</b>	<b>58</b>	<b>205</b>	<b>194</b>	<b>198</b>	<b>597</b>	<b>113</b>	<b>122</b>	<b>96</b>	<b>331</b>	<b>120</b>	<b>154</b>	<b>160</b>	<b>434</b>

POST-CONSTRUCTION																				
SITE	HBS1-CP				HBS2-CP				HBS3-CP				HBS4-CR				HBSC1-CP			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
<i>Briareum</i>																	1		1	2
<i>Erythropodium</i>																	8	5	9	22
<i>Eunicea</i>	22	32	33	87	15	13	10	38	60	65	54	179	27	30	27	84	32	60	71	163
<i>Gorgonia</i>	6	1	4	11		1	1	2	11	3	3	17		1	2	3	10	20	15	45
<i>Muricea</i>	15	10	9	34	5	1	2	8	16	26	28	70	6	6		12	42	49	26	117
<i>Plexaura</i>	8	1	7	16		1	3	4	25	13	11	49	15	12	12	39	14	16	17	47
<i>Plexaurella</i>							1	1	18	13	14	45	12	11	8	31	2	5	2	9
<i>Pseudoplexaura</i>	6		2	8	1		1	2	42	19	26	87	11	7	11	29	30	35	41	106
<i>Pseudopterogorgia</i>	3	8	8	19	1	1		2	22	19	22	63	14	16	16	46	16	20	25	61
<i>Pterogorgia</i>					1	1	2	4										3	2	5
<b>Grand Total</b>	<b>60</b>	<b>52</b>	<b>63</b>	<b>175</b>	<b>23</b>	<b>18</b>	<b>20</b>	<b>61</b>	<b>194</b>	<b>158</b>	<b>158</b>	<b>510</b>	<b>85</b>	<b>83</b>	<b>76</b>	<b>244</b>	<b>155</b>	<b>213</b>	<b>209</b>	<b>577</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

Middle Reef North Sites Total Octocoral and Sponge Counts: Baseline

BASELINE																				
SITE	R2N1-RR				R2N2-LR				R2NC1-LR				R2NC2-RR				R2NC3-LR			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
Ball	1	13	11	25	12	16	6	34	2	2	5	9	3	9	12	24	7	10	13	30
<i>Briareum</i>		4	1	5	4		1	5	27	60	41	128	225	83	136	444	158	154		312
<i>Cliona</i>		11		11	1	1	4	6		2	2	4	1	3	2	6	2	2	1	5
Encrusted																				
Encrusting	1	69	65	135	133	159	165	457	19	17	19	55	47	69	73	189	70	67	104	241
<i>Erythropodium</i>	9	22	5	36		13	23	36	30	43	41	114	193	54	45	292	24	24		48
<i>Eunicea</i>	93	118	110	321	20	3	15	38	16	19	20	55	150	119	80	349	54	100	106	260
Finger	1	76	85	162	227	188	253	668	35	15	32	82	44	76	44	164	135	136	156	427
<i>Gorgonia</i>	1	13	5	19	2	3	10	15	7	11	6	24	4	2	5	11	9	7		16
Green													29	31	29	89				
<i>Muricea</i>	29	26	22	77	1	2	6	9			3	3	94	26	23	143	1	1		2
<i>Palythoa</i>	5	7	4	16		1	1	2	9		12	21			1	1	15	3	1	19
<i>Plexaura</i>	19	39	32	90					8	7	13	28	20	43	32	95	8	16		24
<i>Plexaurella</i>	1	1		2									2			2		4		4
<i>Pseudoplexaura</i>	7	13	4	24					12	12	11	35	26	40	2	68	5	9		14
<i>Pseudopterogorgia</i>	46	39	36	121	2	1	5	8	12	22	18	52	2	47	47	96	17	16		33
<i>Pterogorgia</i>			1	1																
Tube	1	5	7	13	45	21	19	85	1	16	8	25	5	7	6	18	21	18	16	55
Vase	1	13	7	21	11	17	19	47	3	1		4			6	6	11	19	18	48
<i>Xestospongia</i>					3	2	3	8		1		1					1	3	1	5
<b>Grand Total</b>	<b>215</b>	<b>469</b>	<b>395</b>	<b>1079</b>	<b>461</b>	<b>427</b>	<b>530</b>	<b>1418</b>	<b>181</b>	<b>228</b>	<b>231</b>	<b>640</b>	<b>845</b>	<b>609</b>	<b>543</b>	<b>1997</b>	<b>538</b>	<b>589</b>	<b>416</b>	<b>1543</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

Middle Reef North Sites Total Octocoral and Sponge Counts: Post-construction

POST-CONSTRUCTION																				
SITE	R2N1-RR				R2N2-LR				R2NC1-LR				R2NC2-RR				R2NC3-LR			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
Ball	3	3	3	9	5	2		7					2	1	2	5	4	4	6	14
<i>Briareum</i>	2	1	1	4	5	1		6	44	73	47	164	72	78	84	234	136	187	130	453
<i>Cliona</i>					2		3	5		1		1	1	2		3	2	1	1	4
Encrusting	46	47	57	150	12	32	39	83	9	14	23	46	14	10	11	35	37	28	38	103
<i>Erythropodium</i>	4	7	5	16	1	8	29	38	12	3	11	26	31	25	33	89	35	21	36	92
<i>Eunicea</i>	68	112	110	290	8	8	14	30	16	10	13	39	91	96	74	261	43	68	109	220
Finger	28	37	51	116	174	60	85	319	5	4	2	11	3	3	5	11	38	34	45	117
<i>Gorgonia</i>	6	12	4	22	3	2	8	13	8	8	5	21	2	4	3	9	9	10	10	29
Lumpy	49	49	54	152	44	73	112	229	54	45	54	153	42	52	37	131	104	76	89	269
<i>Muricea</i>	34	27	21	82	1	2	2	5		2	2	4	15	17	18	50		2		2
<i>Palythoa</i>	5	13	5	23		1	12	13	25		25	50	3	7	7	17	46	6	5	57
<i>Plexaura</i>	22	16	25	63	2	2	1	5	10	13	7	30	12	20	15	47	8	15	17	40
<i>Plexaurella</i>		2		2											1	1		3	1	4
<i>Pseudoplexaura</i>	14	11	10	35					13	16	11	40	32	37	23	92	6	10	13	29
<i>Pseudopterogorgia</i>	33	23	27	83	2	1	3	6	12	17	18	47	41	47	41	129	19	23	40	82
<i>Pterogorgia</i>													1			1				
Tube	3	5	5	13	5	5	7	17		1		1	3	4	2	9	4	4	5	13
Vase	4	7	4	15	4	7	6	17	1			1	2	5	6	13	9	9	18	36
<i>Xestospongia</i>			1	1	2	4	4	10		1		1					1	2	4	7
<b>Grand Total</b>	<b>321</b>	<b>346</b>	<b>383</b>	<b>1050</b>	<b>270</b>	<b>208</b>	<b>325</b>	<b>803</b>	<b>209</b>	<b>208</b>	<b>218</b>	<b>635</b>	<b>367</b>	<b>408</b>	<b>362</b>	<b>1137</b>	<b>501</b>	<b>503</b>	<b>567</b>	<b>1571</b>



Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**Middle Reef South Sites Total Octocoral and Sponge Counts: Baseline**

BASELINE																
SITE	R2S1-RR				R2S2-LR				R2SC1-RR				R2SC2-LR			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
Ball	12	8	6	26	2	11	22	35	9	8	3	20	27	26	27	80
<i>Briareum</i>							1	1	2	1	4	7	1	4		5
<i>Cliona</i>	2			2			2	2					1			1
Encrusted					35	45	116	196								
Encrusting	34	14	10	58					8	11	13	32	62	68	54	184
<i>Erythropodium</i>						1	6	7					21	70	31	122
<i>Eunicea</i>	15	6	13	34	78	70	175	323	38	29	31	98	55	48	25	128
Finger	70	32	37	139	64	64	162	290	19	22	34	75	137	150	199	486
<i>Gorgonia</i>	4	6		10		3	5	8	5	1	1	7	13	16	24	53
Green																
<i>Muricea</i>	11	6	4	21	8	12	31	51	12	7	8	27	8	13	10	31
<i>Palythoa</i>					7	1	5	13					72	57	96	225
<i>Plexaura</i>	8	3	7	18	7	13	18	38	20	12	21	53	9	15	13	37
<i>Plexaurella</i>	1			1	1		5	6		1		1				
<i>Pseudoplexaura</i>	4	2	3	9	3		12	15	19	21	20	60	4	3		7
<i>Pseudopterogorgia</i>	23	15	23	61	22	22	77	121	54	64	54	172	69	80	41	190
<i>Pterogorgia</i>	1	1		2			2	2				0	31	30	48	109
Tube	4		5	9	15	28	27	70	11	2	7	20	24	36	33	93
Vase	13	4	7	24	8	7	17	32	5	5	12	22	13	14	20	47
<i>Xestospongia</i>													1		1	2
<b>Grand Total</b>	<b>202</b>	<b>97</b>	<b>115</b>	<b>414</b>	<b>250</b>	<b>276</b>	<b>683</b>	<b>1209</b>	<b>202</b>	<b>184</b>	<b>208</b>	<b>594</b>	<b>548</b>	<b>630</b>	<b>622</b>	<b>1800</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**Middle Reef South Sites Total Octocoral and Sponge Counts: Post-construction**

POST-CONSTRUCTION																
SITE	R2S1-RR				R2S2-LR				R2SC1-RR				R2SC2-LR			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
Ball	1	3	1	5		1	1	2	2	4	1	7	6	3	3	12
<i>Briareum</i>							1	1	2	1	2	5	2	2	2	6
<i>Cliona</i>						1	2	3			2	2	5	1		6
Encrusting	24	22	29	75	16	16	23	55	22	22	25	69	56	44	47	147
<i>Erythropodium</i>							3	3	1	1	1	3	23	62	51	136
<i>Eunicea</i>	15	11	13	39	73	64	155	292	59	48	64	171	61	47	43	151
Finger	36	22	26	84	28	26	50	104	21	30	39	90	41	40	73	154
<i>Gorgonia</i>	3	1		4			3	3	2	1	1	4	15	15	19	49
Lumpy	24	20	29	73	28	28	44	100	44	49	53	146	58	65	82	205
<i>Muricea</i>	8	6	4	18	8	15	26	49	15	16	8	39	11	12	13	36
<i>Palythoa</i>	6	3	9	18	7		5	12	10	23	7	40	62	90	111	263
<i>Plexaura</i>	2		3	5	10	7	18	35	15	22	13	50	7	22	14	43
<i>Plexaurella</i>	1			1	1	1	2	4		1		1				
<i>Pseudoplexaura</i>	10	5	10	25	5	3	20	28	41	44	24	109	6	11	1	18
<i>Pseudopterogorgia</i>	17	17	20	54	12	15	64	91	81	99	67	247	76	64	40	180
<i>Pterogorgia</i>	1	1		2	1	1	12	14					39	20	49	108
Tube	1	2	3	6	1	3	6	10	7	2	1	10	8	6	6	20
Vase	3	5	4	12	5	4	11	20	5	3	5	13	7	4	3	14
<i>Xestospongia</i>			1	1					1	1	1	3	1	1	4	6
<b>Grand Total</b>	<b>152</b>	<b>118</b>	<b>152</b>	<b>422</b>	<b>195</b>	<b>185</b>	<b>446</b>	<b>826</b>	<b>328</b>	<b>367</b>	<b>314</b>	<b>1009</b>	<b>484</b>	<b>510</b>	<b>561</b>	<b>1555</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

Outer Reef North Sites Total Octocoral and Sponge Counts: Baseline

BASELINE								
SITE	R3N1-LR				R3NC1-LR			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL
Ball	1	1	1	3	2	1	1	4
<i>Cliona</i>		1		1	1	1		2
Elephant ear					1	1	1	3
Encrusting	1	1	1	3	1	1	1	3
<i>Erythropodium</i>					20	26	9	55
<i>Eunicea</i>	11	14	24	49	52	64	75	191
Finger	1	1	1	3	1	1	1	3
<i>Gorgonia</i>					1	6	4	11
<i>Muricea</i>			1	1			1	1
<i>Palythoa</i>	1	1		2		1	1	2
<i>Plexaura</i>	1			1			2	2
<i>Plexaurella</i>								
<i>Pseudoplexaura</i>					1			1
<i>Pseudopterogorgia</i>	23	25	20	68	29	28	36	93
Tube	1	1	1	3	1	1	1	3
Vase	1	1	1	3	1	1	1	3
<i>Xestospongia</i>	1	1	1	3	1	1	1	3
<b>Grand Total</b>	<b>42</b>	<b>47</b>	<b>51</b>	<b>140</b>	<b>112</b>	<b>133</b>	<b>135</b>	<b>380</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

**Outer Reef North Sites Total Octocoral and Sponge Counts: Post-construction**

POST-CONSTRUCTION								
SITE	R3N1-LR				R3NC1-LR			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL
Ball	23	1	5	29	5	5	2	12
<i>Cliona</i>	4	1	1	6				
Encrusting	33	31	17	81	62	72	86	220
<i>Erythropodium</i>					38	25	24	87
<i>Eunicea</i>	11	7	25	43	119	82	112	313
Finger	73	26	29	128	50	71	69	190
<i>Gorgonia</i>	2	1	1	4	2	8	4	14
Lumpy	35	55	45	135	88	96	114	298
<i>Muricea</i>			2	2	1	2	1	4
<i>Palythoa</i>			1	1	18	21	9	48
<i>Plexaura</i>	2	2		4	8	5	2	15
<i>Plexaurella</i>							1	1
<i>Pseudoplexaura</i>					5	2	3	10
<i>Pseudopterogorgia</i>	19	17	14	50	46	39	40	125
<i>Pterogorgia</i>								
Tube	17	2	3	22	14	8	12	34
Vase	9	5	10	24	20	10	11	41
<i>Xestospongia</i>	4	1	5	10	4	4	2	10
<b>Grand Total</b>	<b>232</b>	<b>149</b>	<b>158</b>	<b>539</b>	<b>480</b>	<b>450</b>	<b>492</b>	<b>1422</b>

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

Outer Reef South Sites Total Octocoral and Sponge Counts: Baseline

BASELINE																								
SITE	R3S1-CP				R3S2-LR				R3S3-SG				R3SC1-CP				R3SC2-LR				R3SC3-SG			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
Ball	1	1	1	3	1	1	1	3	1	1	1	3	1	1	2	4	1	1	1	3	1	1	1	3
<i>Cliona</i>	1			1	1	1		2			1	1	1	1	1	3								
Elephant ear														1	1	2								
Encrusting	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3
<i>Erythropodium</i>					1	1		2	4	3		7	1	1	2	4	9	4	8	21	4	13	12	29
<i>Eunicea</i>	5	3	8	16		15	9	24	15	10	4	29	38	31	26	95	26	18	6	50	78	21	38	137
Finger	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3
<i>Gorgonia</i>			1	1	4	1	3	8		2		2		1	1	2	2	1		3			1	1
<i>Muricea</i>									1			1			1	1	4	2	1	7	3		1	4
<i>Palythoa</i>	1			1	1	1	1	3	1	1	1	3	1			1	1	1	1	3	1	1	1	3
<i>Plexaura</i>						1	4	5		4	2	6	8	2	4	14	2	2		4	3	2	2	7
<i>Plexaurella</i>													10		1	11					1			1
<i>Pseudoplexaura</i>			1	1		1	1	2	1	9	1	11				0			2	2				
<i>Pseudopterogorgia</i>	21	26	19	66	39	31	49	119	27	51	49	127	36	17	40	93	64	37	91	192	83	94	118	295
Tube	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3
Vase	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3
<i>Xestospongia</i>	1			1	1	1	1	3	1	1	1	3	1	1	1	3	1	1		2	1	1	1	3
Grand Total	34	34	34	102	52	58	73	183	55	86	64	205	101	60	84	245	114	71	114	299	179	137	179	495

Quantitative Post-Construction Reports for Hardbottom, Middle and Outer Reef Benthic Communities  
FDEP Permit #0305721-001-BI – Port of Miami Phase III Federal Channel Expansion Project  
Appendix D

Outer Reef South Sites Total Octocoral and Sponge Counts: Post-construction

POST-CONSTRUCTION																								
SITE	R3S1-CP				R3S2-LR				R3S3-SG				R3SC1-CP				R3SC2-LR				R3SC3-SG			
TRANSECT	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL	1	2	3	TOTAL
Ball	2	2		4	5	3	2	10	3	3	2	8	1	1	1	3	2	6	1	9	2	2	3	7
<i>Cliona</i>	1	3		4	4	2	2	8	4	4	1	9	1		1	2	6	1	1	8	2	2	1	5
Encrusting	38	33	47	118	33	41	57	131	22	46	29	97	66	90	43	199	28	19	104	151	51	53	73	177
<i>Erythropodium</i>					1	1		2	4	2		6	1	1		2	10	5	5	20	6	13	5	24
<i>Eunicea</i>	3	12	17	32	3	14	22	39	19	14	13	46	52	48	38	138	27	18	19	64	79	48	32	159
Finger	31	13	10	54	47	12	23	82	46	34	17	97	63	121	97	281	81	76	109	266	35	32	45	112
<i>Gorgonia</i>					3			3	2	2	1	5		1	2	3	1	1	1	3		2	1	3
Lumpy	35	18	21	74	41	52	62	155	35	60	33	128	39	38	35	112	47	43	64	154	36	33	55	124
<i>Muricea</i>							1	1	1			1			2	2	5	1	2	8	3		1	4
<i>Palythoa</i>	1			1	3	7		10		9	6	15	13			13	6	4	64	74	14	6	32	52
<i>Plexaura</i>	1	1		2			3	3	2	2	3	7	10	4	4	18	4	4	1	9	8	8	3	19
<i>Plexaurella</i>		1		1											1	1					1		1	2
<i>Pseudoplexaura</i>			1	1		1		1	1	2	1	4			5	5			2	2			3	3
<i>Pseudopterogorgia</i>	14	24	17	55	49	38	59	146	26	64	44	134	52	21	36	109	60	67	106	233	90	101	105	296
<i>Pterogorgia</i>							1	1											2	2		1	2	3
Tube	5		5	10	6	3	5	14	8	6	5	19	16	5	4	25	6	16	14	36	12	7	8	27
Vase	7	12	10	29	4	8	11	23	9	12	15	36	7	8	15	30	8	16	8	32	14	7	9	30
<i>Xestospongia</i>		2		2	2		4	6	3	4	5	12	5	1	2	8	3	3	6	12	4	6	4	14
Grand Total	138	121	128	387	201	182	252	635	185	264	175	624	326	339	286	951	294	280	509	1083	357	321	383	1061