

Steiner SCC & DA Willette (2009) The distribution and size of benthic marine habitats in Dominica, Lesser Antilles		
Definitions used in Tables A-F of the appendix: Benthic cover of habitat types by region.		
Habitat Category	Habitat Type	Definition
Rock	1.0 unspecified	rocky hard substrate, unspecified
	1.1 outcrops	outcrops such as remnants of pyroclastic flows, volcanic dykes, or part of cliff or otherwise steep rocky terrain lining the shore and providing a primary hard substrate
	1.2 blocks	rocks \geq 5 m in diameter, mostly parts of cliff sides that have collapsed into the sea, providing isolated areas of hard substrates
	1.3 rocks	rocks smaller than 5 m diameter
	1.4 mix	a mixed bed of at least two of the above, or a conglomerate of allochthonous rocky deposits (e.g. rounded rock from rivers or beaches cemented together off shore)
Sand	2.0 unspecified	sandy soft substrates with no significant/semi-permanent epiflora and fauna. otherwise unspecified
	2.1 black	visual appearance black, volcanic origin
	2.2 white	visual appearance white, organic/calcareous origin
Seagrass	3.0 unspecified	seagrasses with at least 10% benthic cover otherwise unspecified
	3.1 mono	dominated by one seagrass species with at least 90% benthic cover
	3.2 mix	multiple species with no single species covering more than 90%
	3.3 variegated	seagrasses are established in monospecific patches with limited or no overlap
Coral Reef	4.0 unspecified	coral communities with evidence of reef accretion, otherwise unspecified
	4.1 fringing	reef systems contouring the shoreline / shelf
	4.2 spur & groove	high relief reefs with sand chutes perpendicular to shore
	4.3 patch	isolated non-continuous areas of reef accretion
	4.4 oligospecific	coral reefs dominated and built by one or a few species [see Steiner S.C.C. 2003. Stony Corals and Reefs of Dominica (Lesser Antilles). Atoll Res. Bull. 498]

TABLES A – F (see below pages 2 - 6) Listed are the site names, dimensions (length x width), benthic cover of individual habitat types, and the coordinates of the sites.

INSTRUCTIONS for persons interested in resurveying all or some of these areas are provided at the end of this documents (page 6).

Table A

Sites		Rock (m ²)					Sand (m ²)			Seagrass (m ²)				Reef (m ²)					Coordinates of starting point of survey or for central location when <i>italicized</i> .			
WESTERN (NORTH) REGION	Length (m)	Width (m)	1.0	1.1	1.2	1.3	1.4	2.0	2.1	2.2	3.0	3.1	3.2	3.3	4.0	4.1	4.2	4.3		4.4		
TiBay > Espagnol River	2605	200		10420		26050	104200		354280			26050									15°31'51"N	61°28'30"W
Douglas B Road > Ti Bay N	5120	250							640000					614400			25600				15°32'51"N	61°28'19"W
S Cabrits Pier > Dougl's Bay Road N Cabrits	920	150				6900			107640				20700				2760				15°35'03"N	61°27'51"W
Wetlands River > S Cabrits Pier	2675	75				200625															15°34'55"N	61°28'17"W
Dougl B Salt River > N Cabrits	1200	250							216000			84000									15°35'25"N	61°28'04"W
Wetlands River Toucari N > Dougl Bay Salt River	1965	200		15720	1965	117900			190605			58950					7860				15°35'54"N	61°27'41"W
Lamothe River > Toucari N	870	150					78300		52200												15°36'41"N	61°27'54"W
Capucin Beach > Lamothe R	880	125				16500			77000				16500								15°37'07"N	61°27'58"W
Capucin Dock > Capucin Beach	395	50				14813			4937												15°37'33"N	61°27'52"W
Cap Melville > Capucin Dock	1100	50				41250			13750												15°37'45"N	61°27'48"W

Table B

Sites		Rock (m ²)					Sand (m ²)			Seagrass (m ²)				Reef (m ²)					Coordinates of starting point of survey or for central location when <i>italicized</i> .			
WESTERN (CENTRAL) REGION	Length (m)	Width (m)	1.0	1.1	1.2	1.3	1.4	2.0	2.1	2.2	3.0	3.1	3.2	3.3	4.0	4.1	4.2	4.3		4.4		
Layou Village > Layou River (jetty)	715	100							71500												15°23'50"N	61°25'38"W
Mero River > Layou Village	2195	200				8780			219500			210720									15°24'60"N	61°25'42"W
Mirabilis Reef	300	60								3600							14400				<i>15°24'49"N</i>	<i>61°25'51"W</i>
Barry's Dream																					<i>15°25'03"N</i>	<i>61°26'01"W</i>
Salisbury River > Mero River	2215	200					4430		84170			354400									15°25'59"N	61°26'12"W
Grande Savane S > Salisbury River	1565	100				15650	7825		117375			15650									15°26'29"N	61°26'52"W
Easy Street																					<i>15°26'10"N</i>	<i>61°26'28"W</i>
Lauro Deep	100	60								1200							4800				<i>15°26'16"N</i>	<i>61°26'45"W</i>
Brain to Renas Reef (drift)	500	40								3000							17000				<i>as below</i>	<i>as below</i>
Grand Savane Reef										22721							90884				<i>15°26'23"N</i>	<i>61°27'07"W</i>
Compl excl drift																						
Floral Gardens	80	25								800									1200		15°26'53"N	61°27'01"W
Batali River > Grand Savane S	1435	100				86100			57400												15°27'06"N	61°26'50"W

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(first beach) Colihaut River > Batali River	4290	100							193050											235950	15°29'03"N	61°27'50"W	
Colihaut Beach (N) > Colihaut River	310	100							23250			7750									15°29'12"N	61°27'53"W	
Pt Fonsen > Colihaut Beach (N)	1080	150			3240	24300			85860											48600	15°29'38"N	61°28'09"W	
Anse Mulatre S Point > Pt Fonsen	1510	75		96262					16988												15°30'14"N	61°28'04"W	
Bioche Pier > Anse Mulatre S point	590	100		2950		2950			41300											11800	15°30'30"N	61°29'02"W	
Espagnol River > Bioche Pier	2975	200							238000												357000	15°31'51"N	61°28'30"W

Table C

SITES	Length (m)	Width (m)	Rock (m ²)					Sand (m ²)			Seagrass (m ²)				Reef (m ²)					Coordinates of starting point of survey or for central location when <i>italicized</i> .				
			1.0	1.1	1.2	1.3	1.4	2.0	2.1	2.3	3.0	3.1	3.2	3.4	4.0	4.1	4.2	4.3	4.4					
WESTERN (SOUTH) REGION																								
SH Caribantic Bldg > SH Point N	725	50		5750		6500						17225		500						5225		1050	15°12'47"N	61°22'07"W
Soufriere (church) > SH Caribantic Bldg	2510	75	56475						131775														15°13'57"N	61°21'42"W
Champ first cove (N) > Soufriere (church)	1940	100		29100		67900			97000														15°14'34"N	61°22'24"W
Champagne Bubbles > first cove (N)	255	75		7650		9563			1912														15°14'42"N	61°22'23"W
PM Cement > Champagne Pt Michel (N end town) > PM Cement	1760	75				26400	31680		71280					2640									15°15'36"N	61°22'40"W
Loubiere Gbay Rd > Pt Michel (N end town) Fisheries	655	150				9825			87443					982									15°15'57"N	61°22'36"W
Harbour > Loubier Gbay Road	1155	100	11550			23100			80850														15°16'33"N	61°22'28"W
Goodwill Sav S > Fisheries Harbor (N)	3345	75				25087			225788														15°17'55"N	61°23'27"W
Port S > Goodwill Savanna S	590	100				11800			47200														15°18'14"N	61°23'26"W
Port N > Port S	735	100				7350			51450				14700										15°18'37"N	61°23'21"W
Fond Cole N > Fond Cole River (Customs Dock)	480																						15°18'50"N	61°23'20"W
	695	75				3000			46125				3375										15°19'07"N	61°23'35"W

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Morne Daniel N/Road > Fond Cole N Newland Ravine > Morne Daniel N/Road	1125	150		16875		151875													15°19'41"N	61°23'43"W
Les Pointes River >Newland Ravine (River)	990																		15°20'07"N	61°23'36"W
Les Pointes Bay (N) > Les Pointes River	2125	75		7969				91906											15°21'12"N	61°23'38"W
Belfast River > Les Pointes Bay (N)	315																		15°21'21"N	61°23'40"W
RRock S > Belfast River	1450	175		12688		20300		93888			126874								15°21'53"N	61°24'09"W
RRock N outcrop > RRock S Tarou (S) > Rrock N outcrop	2070	100				11925		41400			153675								15°22'49"N	61°24'40"W
Layou River Jetty > Tarou (S)	285	50		42515				9975											15°22'52"N	61°24'42"W
	495	100		14040		810		31050			3600								15°23'06"N	61°24'47"W
	1500	150				45000		130500			49500								15°23'31"N	61°25'29"W

Table D

NORTHERN REGION	Length (m)	Width (m)	Rock (m ²)					Sand (m ²)			Seagrass (m ²)				Reef (m ²)					Coordinates of starting point of survey or for central location when <i>italicized</i> .
			1.0	1.1	1.2	1.3	1.4	2.0	2.1	2.2	3.0	3.1	3.3	3.4	4.0	4.1	4.2	4.3	4.4	
Pointe Jaco > Cap Melville	4510	100	451000																15°38'23"N	61°25'20"W
Au Parc Point > Pointe Jaco	5575	100	557500																15°36'42"N	61°24'05"W
Thibaut Cliffs > Au Parc Point	1265	150				170775			18975										15°36'23"N	61°23'47"W
Sabdwich Bay > Thibaut Cliffs	1575	100	157500																15°36'02"N	61°23'33"W
Thibaut Cove S > Thibaut Cove N	410	75			6150				24600										15°35'56"N	61°23'33"W
A B W > Thibaut S Cove	275	100	27500																15°35'56"N	61°23'27"W
A Blenheim E > A B W	1145																		15°35'50"N	61°23'05"W
A Soldat E > A Soldat W	1005	100								12563	37687				50250				15°35'49"N	61°22'49"W
A Du Me E > A Du Me W	895	100									44750				44750				15°35'46"N	61°22'36"W
Hampstead Point > A Du Me Point E	3535																		15°35'51"N	61°21'31"W
Porte La Fin >	985	250	49250					123125				7388			66487				15°35'36"N	61°21'12"W

Table F

SITES	Length (m)	Width (m)	Rock (m ²)					Sand (m ²)			Seagrass (m ²)				Reef (m ²)				Coordinates of starting point of survey or for central location when <i>italicized</i> .		
			1.0	1.1	1.2	1.3	1.4	2.0	2.1	2.3	3.0	3.1	3.2	3.3	4.0	4.1	4.2	4.3		4.4	
Fd St Jean Malabuka River > Delices, Mulatre River	6910	100			691000															15°14'36"N	61°17'02"W
Geneva River > Fond St Jean Malabuka River	2960	100	175600						100000						20000	400				15°14'38"N	61°18'26"W
Pt Tanama > Geneva River	2160	75	162000																	15°13'41"N	61°18'49"W
Point des Fou > Pt Tanama	3340	75	250500																	15°12'40"N	61°19'48"W
Morne Rouge > Point des Fou	2030	75	152250																	15°12'29"N	61°20'35"W
E end of SHvillage south > Morne Rouge	2385																			15°12'34"N	61°21'52"W
SH Point N > E end of SHvillage south	1425	75	71250						35625											15°12'58"N	61°22'26"W

INSTRUCTIONS for persons interested in resurveying all or some of these areas: Delineate the survey areas using the site names. For example in Table F (above) “Fd. St Jean Malabuka River > Delice, Mulatre River”, the > symbol means “*to*”, as in “was surveyed from Fd. St Jean Malabuka River *to* Delice, Mulatre River”. In addition the coordinates provided (last 2 columns on the right) can assist in finding the listed locations. Coordinates were determined using Google Earth. The length and width (lining the shoreline between the delineating site names) of each survey carried out by Steiner and Willette are listed in the two columns following the Sites column. Based on these surveys areas (Length x Width), the assessment of benthic cover of habitat types within the categories rock, sand, seagrass, and reef was carried out. It is recommended to also use the maps published by the British Government's Ministry of Overseas Development. Series E803, Edition 4 DOS 1978, Scale 1:25000 as reference. In Dominica these are available at the offices of Lands and Surveys in Cork Street, Roseau. All surveys were carried out between October 2007 and May 2008. For some sites (rows) no data are listed within the habitat type columns. This means that those particular stretches of shoreline have not yet been explored.