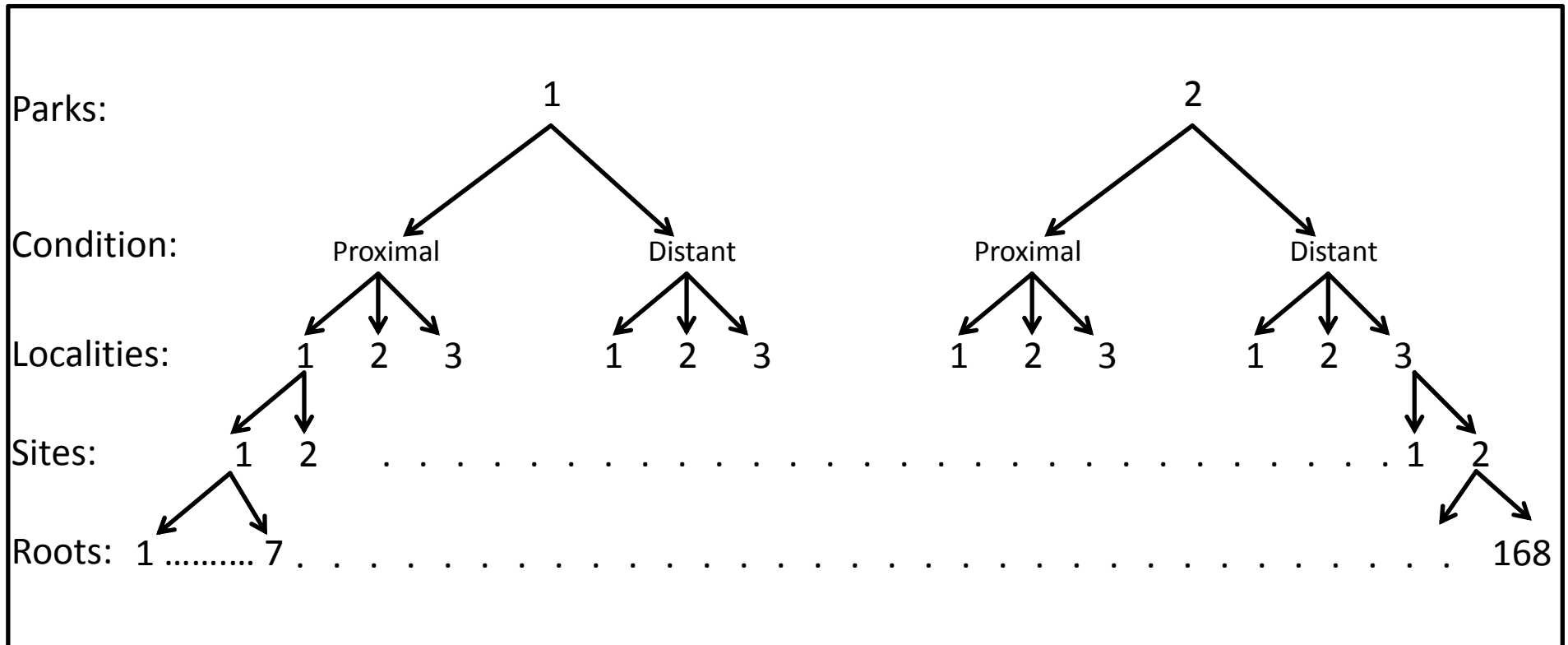


## ACCESSORY PUBLICATION 1

Experimental design used in both surveys:



## ACCESSORY PUBLICATION 2

## Systematics of sponge species identified in this study.

Class Demospongiae Sollas, 1885	Class Demospongiae Sollas, 1885
Order Spirophorida Bergquist and Hogg, 1969	Order Haplosclerida Topsent, 1928
Family Tetillidae Sollas, 1886	Family Chalinidae Gray, 1867
<i>Cinachyrella apion</i> (Uliczka, 1929)	<i>Haliclona</i> aff. <i>albifragilis</i> (Hechtel, 1965)
Order Astrophorida Sollas, 1887	<i>Haliclona</i> (Reniera) <i>manglaris</i> Alcolado, 1984
Family Geodiidae Gray, 1867	<i>Haliclona</i> (Reniera) <i>ruetzleri</i> de Weerd, 2000
<i>Geodia papracea</i> Hechtel, 1965	<i>Haliclona</i> (Reniera) <i>mucifibrosa</i> de Weerd, Rützler and Smith, 1991
Order Hadromerida Topsent, 1894	<i>Haliclona</i> (Reniera) <i>implexiformis</i> (Hechtel, 1965)
Family Suberitidae Schmidt, 1870	<i>Haliclona</i> cf. <i>tubifera</i> (George and Wilson, 1919)
<i>Terpios manglaris</i> Rützler and Smith, 1993	<i>Haliclona</i> (Rhizoniera) <i>curacaoensis</i> (van Soest, 1980)
<i>Suberites aurantiacus</i> (Duchassaing and Michelotti, 1864)	<i>Haliclona</i> (Soestella) <i>caerulea</i> (Hechtel, 1965)
Order Poecilosclerida Topsent, 1928	<i>Haliclona</i> (Soestella) <i>piscaderaensis</i> (van Soest, 1980)
Sub-Order Microcionina Hajdu, van Soest and Hooper, 1994	<i>Haliclona</i> (Soestella) <i>rwincayensis</i> de Weerd, Rützler and Smith, 1991
Family Microcionidae Carter, 1875	<i>Haliclona</i> (Soestella) <i>smithae</i> de Weerd, 2000
<i>Clathria venosa</i> (Alcolado, 1984)	<i>Haliclona</i> (Soestella) <i>vermeuleni</i> de Weerd, 2000
<i>Clathria microchela</i> (Stephens, 1916)	<i>Haliclona</i> sp.1
<i>Clathria schoenus</i> (de Laubenfels, 1936)	<i>Haliclona</i> sp. 2
<i>Clathria ferrea</i> (de Laubenfels, 1936)	<i>Chalinula molitba</i> (de Laubenfels, 1949)
Sub-Order Myxillina Hajdu, van Soest and Hooper, 1994	Family Niphatidae van Soest, 1980
Family Coelosphaeridae Dendy, 1922	<i>Amphimedon erina</i> (de Laubenfels, 1936)
<i>Lissodendoryx isodictyalis</i> (Carter, 1882)	<i>Niphates caycedoi</i> (Zea and van Soest, 1986)
Family Iotrochotidae Dendy, 1922	<i>Niphates erecta</i> Duchassaing and Michelotti, 1864
<i>Iotrochota birotulata</i> (Higgin, 1877)	<i>Niphates</i> sp.
Family Tedaniidae Ridley and Dendy, 1886	Family Phloeodictyidae Carter, 1882
<i>Tedania ignis</i> (Duchassaing and Michelotti, 1864)	<i>Oceanapia nodosa</i> (George and Wilson, 1919)
Sub-Order Mycalina Hajdu, van Soest and Hooper, 1994	Order Dictyoceratida Minchin, 1900
Family Desmacellidae Ridley and Dendy, 1886	Family Irciniidae Gray, 1867
<i>Biemna caribea</i> Pulitzer-Finali, 1986	<i>Ircinia felix</i> (Duchassaing and Michelotti, 1864)
<i>Biemna</i> sp.	<i>Ircinia strobilina</i> (Lamarck, 1816)
Family Mycalidae Lundbeck, 1905	Family Thorectidae Bergquist, 1978
<i>Mycale</i> (Zygomycalae) <i>angulosa</i> (Duchassaing and Michelotti, 1864)	<i>Hyrtios proteus</i> Duchassaing and Michelotti, 1864
<i>Mycale</i> (Carmia) <i>microsigmatosa</i> Arndt, 1927	Family Spongiidae Gray, 1867
<i>Mycale</i> (Carmia) <i>magnirhaphidifera</i> van Soest, 1984	<i>Spongia</i> (Spongia) <i>pertusa</i> Hyatt, 1877
<i>Mycale</i> (Aegogropila) <i>carmigropila</i> Hajdu and Rützler, 1998	<i>Spongia</i> (Spongia) <i>tubulifera</i> Lamarck, 1814
<i>Mycale</i> (Aegogropila) <i>citrina</i> Hajdu and Rützler, 1998	Family Dysideidae Gray, 1867
<i>Mycale</i> (Aegogropila) <i>americana</i> van Soest, 1984	<i>Dysidea etheria</i> de Laubenfels, 1936
<i>Mycale</i> (Mycalae) <i>laevis</i> (Carter, 1882)	<i>Dysidea</i> sp. 1
<i>Mycale</i> sp. 1	Order Dendroceratida Minchin, 1900
<i>Mycale</i> (Paresperella) sp.	Family Darwinellidae Merejkowsky, 1879
Order Halichondrida Gray, 1867	<i>Aplysilla glacialis</i> (Merejkowsky, 1877)
Family Dictyonellidae van Soest, Diaz and Pomponi, 1990	<i>Chelonaplysilla erecta</i> (Row, 1911)
<i>Scopalina</i> cf. <i>ruetzleri</i> (Wiedenmayer, 1977)	Order Halisarcida Bergquist, 1996
<i>Scopalina</i> sp.	Family Halisarcidae Schmidt, 1862
Family Halichondriidae Gray, 1867	<i>Halisarca</i> sp.
<i>Halichondria</i> (Halichondria) <i>magniconulosa</i> Hechtel, 1965	
<i>Halichondria</i> (Halichondria) <i>melanodocia</i> de Laubenfels, 1936	
<i>Amorphinopsis atlantica</i> Carvalho, Hajdu, Mothes and van Soest, 2004	