

Supplementary Table 2. Feeding categories assigned to mobile macrofauna. Where feeding modes could not be found for individual species, feeding categories were assigned based on published information about relatives where possible.

Pelagic *Sargassum* community change over a 40-year period: temporal and spatial variability. *Marine Biology* C. L. Huffard*, S. von Thun, A. D. Sherman, K. Sealey, K. L. Smith, Jr.

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Taxon	Feeding category	Reference (direct or by extension from studies of relatives)
Xenacoelomorpha: acoela		
<i>Heterochaerus sargassi</i>	unknown	
Nemertea: Nematoda		
Nematoode- unidentified	detritivore	Kito 1982
Platyhelminthes: Polycladida		
<i>Acerotisa notulata</i>	eats sessile fauna	Galleni et al. 1980
<i>Chatziplana grubei</i>	eats sessile fauna	Galleni et al. 1980
Platyhelminthes- unidentified	eats sessile fauna	Galleni et al. 1980
Platyhelminthes: Seriata		
<i>Polycladus</i> sp.	eats sessile fauna	Galleni et al. 1980
Platyhelminthes: Polycladida		
<i>Gnesioceros sargassicola</i>	eats sessile fauna	Galleni et al. 1980
Platyhelminthes: unidentified	unknown	
Annelida: Phyllodocida		
<i>Myrianida</i> sp.	detritivore	Giangrande et al. 2000
<i>Platynereis dumerilii</i>	herbivore	Hay et al. 1988
Polychaeta- unidentified	unknown	
Annelida: Spionida		
Spooinid worm- unidentified	detritivore	Taghon et al. 1980
Mollusca: Caenogastropoda		
<i>Janthina janthina</i>	eats coelenterates	Bieri 1966
<i>Litiopa melanostoma</i>	unknown	Butler et al. 1983
Gastropod- unidentified	unknown	
Mollusca: Littorinimorpha		
<i>Rissoa</i> sp.	detritivore	Wigham 1976
Mollusca: Mesogastropoda		
<i>Bittium</i> sp.	herbivore	Sureda et al. 2009
Mollusca: Nudibranchia		
<i>Corambe obscura</i>	eats sessile fauna	Zolotarev 1996
<i>Cuthona</i> sp.	eats sessile fauna	Folino 1997
<i>Doto pygmaea</i>	eats sessile fauna	Lambert 1991
<i>Fiona pinnata</i>	eats sessile fauna	Bieri 1966
<i>Scyllaea pelagica</i>	eats sessile fauna	Thompson and Brown 1981
<i>Spurilla neapolitana</i>	eats sessile fauna	Conklin and Mariscal 1977
Nudibranch "B" <i>sensu</i> Butler et al. 1983	eats sessile fauna	Lambert 1991
Nudibranch "D" <i>sensu</i> Butler et al. 1984	eats sessile fauna	Lambert 1991
Nudibranch- unidentified	eats sessile fauna	Lambert 1991

Arthropoda: Amphipoda		
<i>Ampithoe</i> spp.	herbivore	Skutch, 1926; Sotka 2003
<i>Biancolina</i> spp.	herbivore	McGrouther 1983
<i>Deutella incerta</i>	detritivore	Guerra-García and Tierno de Figueroa 2009
<i>Gammarus</i> sp.	herbivore	Orav-Kotta et al. 2009
<i>Hemiaegina minuta</i>	detritivore	Guerra-García and Tierno de Figueroa 2009
<i>Hyale</i> sp.	detritivore	Sotka 2003
<i>Sunamphitoe pelagica</i>	herbivore	Butler et al. 1983
Amphipod- unidentified	detritivore	Butler et al. 1983
Arthropoda: Copepoda		
<i>Dactylopusia tisboides</i>	detritivore	Butler et al. 1983
Copepod- unidentified	detritivore	Butler et al. 1983
Arthropoda: Decapoda		
<i>Leander tenuicornis</i>	eats mobile fauna	Butler et al. 1983; Johnson and Atema 1986
<i>Hippolyte coerulescens</i>	herbivore	Zupo 2001
<i>Latreutes fucorum</i>	eats mobile fauna	Butler et al. 1983; Johnson and Atema 1986
<i>Portunus sayi</i>	eats mobile fauna	Butler et al. 1983
<i>Planes minutus</i>	eats mobile fauna	Butler et al. 1983; Frick et al. 2004
<i>Toseuma carolinensis</i>	eats sessile fauna	Main 1987
Shrimp- unidentified	unknown	
Arthropoda: Harpacticoida		
<i>Scutellidium longicauda</i>	herbivore	Gunnill 1982
Arthropoda: Isopoda		
<i>Bopyrus</i> sp.	parasite	Dreyer and Wagele 2001
<i>Carpias minutus</i>	detritivore	Butler et al. 1983
<i>Cirolana</i> sp.	detritivore	Butler et al. 1983
<i>Grapsicepon</i> sp.	parasite	Markham 1977
<i>Idotea metallica</i>	omnivore	Gutow et al. 2006
<i>Probopyrinella latreuticola</i>	parasite	Markham 1977
Isopod- unidentified	unknown	
“Parasitic isopod”- unidentified	parasite	Butler et al. 1983
Arthropoda: Ostracoda		
Ostracod- unidentified	unknown	
Arthropoda: Pantopoda		
<i>Anoplodactylus petiolatus</i>	eats sessile fauna	Varoli 1994
<i>Endeis spinosa</i>	detritivore	Soler-Membrives et al. 2013
Pycnogonida- unidentified	unknown	
Arthropoda: Tanaidacea		
<i>Zeuxo (Zeuxo) normani</i>	herbivore	Nakaoka 2002
Tenaoid- unknown	unknown	
Chordata: Thaliacea		
<i>Salpa</i> sp.	eats phytoplankton	Andersen 1985
Chordata: Teleostei		
<i>Balistes</i> sp.	eats mobile fauna	Turner and Rooker 2006
<i>Caranx</i> sp.	eats mobile fauna	Casazza and Ross 2008

<i>Diodon</i> sp.	eats mobile fauna	Palmer 1979
<i>Histrio histrio</i>	eats mobile fauna	Adams 1960
<i>Syngnathus typhle</i>	eats mobile fauna	Casazza and Ross 2008
<i>Stephanolepis hispidus</i>	eats mobile fauna	Clements and Livingston 1983
Fish- unidentified	unknown	

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