

S1 Table.

| Species Name | Family | Common Name | Biomass (g*m-2) |
|----------------------------------|---------------|--------------------------|------------------------|
| <i>Sphyraena barracuda</i> | Sphyraenidae | Great barracuda | 2.2343 |
| <i>Melichthys niger</i> | Balistidae | Black durgon | 1.3052 |
| <i>Balistes vetula</i> | Balistidae | Queen triggerfish | 1.2713 |
| <i>Kyphosus sectatrix</i> | Kyphosidae | Bermuda chub | 1.0187 |
| <i>Caranx crysos</i> | Carangidae | Blue runner | 0.8410 |
| <i>Aetobatus narinari</i> | Myliobatidae | Spotted eagle ray | 0.7528 |
| <i>Decapterus macarellus</i> | Carangidae | Mackerel scad | 0.7481 |
| <i>Acanthurus coeruleus</i> | Acanthuridae | Blue tang | 0.6125 |
| <i>Holocentrus rufus</i> | Holocentridae | Longspine squirrelfish | 0.5770 |
| <i>Caranx ruber</i> | Carangidae | Bar jack | 0.5685 |
| <i>Lutjanus analis</i> | Lutjanidae | Mutton snapper | 0.5516 |
| <i>Cephalopholis fulva</i> | Serranidae | Coney | 0.5131 |
| <i>Sparisoma viride</i> | Scarinae | Stoplight parrotfish | 0.4613 |
| <i>Epinephelus guttatus</i> | Serranidae | Red hind | 0.4412 |
| <i>Acanthurus bahianus</i> | Acanthuridae | Ocean surgeon | 0.4405 |
| <i>Pareques acuminatus</i> | Sciaenidae | High-Hat | 0.4301 |
| <i>Acanthurus chirurgus</i> | Acanthuridae | Doctorfish | 0.4290 |
| <i>Gerres cinereus</i> | Gerreidae | Yellowfin mojarra | 0.4211 |
| <i>Holocentrus adscensionis</i> | Holocentridae | Squirrelfish | 0.3199 |
| <i>Epinephelus striatus</i> | Serranidae | Nassau grouper | 0.3126 |
| <i>Ocyurus chrysurus</i> | Lutjanidae | Yellowtail snapper | 0.2951 |
| <i>Haemulon sciurus</i> | Haemulidae | Bluestriped grunt | 0.2937 |
| <i>Sparisoma rubripinne</i> | Scarinae | Yellowtail parrotfish | 0.2613 |
| <i>Scarus vetula</i> | Scarinae | Queen parrotfish male | 0.2417 |
| <i>Sparisoma aurofrenatum</i> | Scarinae | Redband parrotfish | 0.2387 |
| <i>Haemulon flavolineatum</i> | Haemulidae | French grunt | 0.2365 |
| <i>Mulloidichthys martinicus</i> | Mullidae | Yellow goatfish | 0.2299 |
| <i>Clepticus parrae</i> | Labridae | Creole wrasse | 0.2254 |
| <i>Scarus iseri</i> | Scarinae | Striped parrotfish | 0.1869 |
| <i>Abudefduf saxatilis</i> | Pomacentridae | Sergeant major | 0.1587 |
| <i>Microspathodon chrysurus</i> | Pomacentridae | Yellowtail damselfish | 0.1553 |
| <i>Haemulon plumieri</i> | Haemulidae | White grunt | 0.1339 |
| <i>Cephalopholis cruentata</i> | Serranidae | Graysby | 0.1339 |
| <i>Lutjanus griseus</i> | Lutjanidae | Gray snapper | 0.1188 |
| <i>Scarus taeniopterus</i> | Scarinae | Princess parrotfish male | 0.1044 |
| <i>Aulostomus maculatus</i> | Aulostomidae | Atlantic trumpetfish | 0.0924 |
| <i>Malacanthus plumieri</i> | Malacanthidae | Sand tilefish | 0.0910 |
| <i>Lutjanus apodus</i> | Lutjanidae | Schoolmaster | 0.0764 |
| <i>Bodianus rufus</i> | Labridae | Spanish hogfish | 0.0763 |
| <i>Myripristis jacobus</i> | Holocentridae | Blackbar soldierfish | 0.0691 |

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|------------------------------|----------------|-------------------------|--------|
| Holacanthus tricolor | Pomacanthidae | Rock beauty | 0.0675 |
| Cantherhines macrocerus | Monacanthidae | Whitespotted filefish | 0.0481 |
| Stegastes planifrons | Pomacentridae | Threespot damselfish | 0.0476 |
| Chaetodon striatus | Chaetodontidae | Banded butterflyfish | 0.0465 |
| Scarus guacamaia | Scarinae | Rainbow parrotfish | 0.0431 |
| Lactophrys triqueter | Ostraciidae | Smooth trunkfish | 0.0393 |
| Pseudupeneus maculatus | Mullidae | Spotted goatfish | 0.0379 |
| Pomacanthus arcuatus | Pomacanthidae | Gray angelfish | 0.0376 |
| Thalassoma bifasciatum | Labridae | Bluehead wrasse | 0.0368 |
| Stegastes leucostictus | Pomacentridae | Beaugregory | 0.0328 |
| Caranx bartholomaei | Carangidae | Yellow jack | 0.0325 |
| Halichoeres bivittatus | Labridae | Slippery dick | 0.0319 |
| Lutjanus synagris | Lutjanidae | Lane snapper | 0.0313 |
| Haemulon album | Haemulidae | Margate | 0.0312 |
| Diodon hystrix | Diodontidae | Porcupinefish | 0.0309 |
| Stegastes adustus | Pomacentridae | Dusky damselfish | 0.0273 |
| Chromis cyanea | Pomacentridae | Blue chromis | 0.0268 |
| Cantherhines pullus | Monacanthidae | Orangespotted filefish | 0.0267 |
| Halichoeres garnoti | Labridae | Yellowhead wrasse | 0.0251 |
| Halichoeres maculipinna | Labridae | Clown wrasse | 0.0230 |
| Holacanthus ciliaris | Pomacanthidae | Queen angelfish | 0.0226 |
| Haemulon carbonarium | Haemulidae | Caesar grunt | 0.0220 |
| Sparisoma chrysopterum | Scarinae | Redtail parrotfish male | 0.0218 |
| Stegastes partitus | Pomacentridae | Bicolor damselfish | 0.0200 |
| Pterois volitans | Scorpaenidae | Red lionfish | 0.0197 |
| Bothus lunatus | Bothidae | Peacock flounder | 0.0192 |
| Chromis multilineata | Pomacentridae | Brown chromis | 0.0185 |
| Heteropriacanthus cruentatus | Priacanthidae | Glasseye snapper | 0.0165 |
| Synodus intermedius | Synodontidae | Sand diver | 0.0160 |
| Halichoeres radiatus | Labridae | Puddingwife | 0.0152 |
| Haemulon aurolineatum | Haemulidae | Tomtate | 0.0132 |
| Scomberomorus regalis | Scombridae | Cero | 0.0104 |
| Stegastes diencaeus | Pomacentridae | Longfin damselfish | 0.0101 |
| Canthigaster rostrata | Tetraodontidae | Sharpnose puffer | 0.0087 |
| Haemulon melanurum | Haemulidae | Cottonwick | 0.0070 |
| Hypoplectrus puella | Serranidae | Barred hamlet | 0.0069 |
| Pomacanthus paru | Pomacanthidae | French angelfish | 0.0067 |
| Halichoeres poeyi | Labridae | Blackear wrasse | 0.0064 |
| Calamus calamus | Sparidae | Saucereye porgy | 0.0060 |
| Scorpaena plumieri | Scorpaenidae | Spotted scorpionfish | 0.0047 |
| Lactophrys trigonus | Ostraciidae | Trunkfish | 0.0047 |
| Rypticus maculatus | Serranidae | Whitespotted soapfish | 0.0046 |
| Halichoeres pictus | Labridae | Rainbow wrasse | 0.0046 |

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|---------------------------|-----------------|------------------------|--------|
| Halichoeres cyanocephalus | Labridae | Yellowcheek wrasse | 0.0034 |
| Hypoplectrus nigricans | Serranidae | Black hamlet | 0.0034 |
| Hypoplectrus (species) | Serranidae | Hamlet (species) | 0.0030 |
| Triggerfish (species) | Balistidae | Triggerfish (species) | 0.0029 |
| Stegastes variabilis | Pomacentridae | Cocoa damselfish | 0.0029 |
| Serranus tigrinus | Serranidae | Harlequin bass | 0.0028 |
| Chaetodon capistratus | Chaetodontidae | Foureye butterflyfish | 0.0027 |
| Sargocentron vexillarium | Holocentridae | Dusky squirrelfish | 0.0025 |
| Sparisoma atomarium | Scarinae | Greenblotch parrotfish | 0.0019 |
| Neoniphon marianus | Holocentridae | Longjaw squirrelfish | 0.0015 |
| Equetus punctatus | Sciaenidae | Spotted drum | 0.0014 |
| Hypoplectrus guttavarius | Serranidae | Shy hamlet | 0.0013 |
| Sargocentron coruscum | Holocentridae | Reef squirrelfish | 0.0012 |
| Lutjanus mahogoni | Lutjanidae | Mahogany snapper | 0.0011 |
| Xyrichtys splendens | Labridae | Green razorfish | 0.0008 |
| Opistognathus aurifrons | Opistognathidae | Yellowhead jawfish | 0.0007 |
| Diodon holocanthus | Diodontidae | Balloonfish | 0.0007 |
| Hypoplectrus unicolor | Serranidae | Butter hamlet | 0.0005 |
| Sphoeroides spengleri | Tetraodontidae | Bandtail puffer | 0.0003 |
| Amblycirrhitus pinos | Cirrhitidae | Redspotted hawkfish | 0.0003 |
| Monacanthus tuckeri | Monacanthidae | Slender filefish | 0.0003 |
| Serranus tabacarius | Serranidae | Tobaccofish | 0.0003 |
| Anchoa lyolepis | Engraulidae | Dusky anchovy | 0.0003 |
| Serranus baldwini | Serranidae | Lantern bass | 0.0002 |
| Gramma loreto | Grammatidae | Fairy basslet | 0.0002 |
| Hypoplectrus (hybrid) | Serranidae | Hybrid hamlet | 0.0002 |
| Sparisoma radians | Scarinae | Bucktooth parrotfish | 0.0001 |