Biological Survey for Totten Beacon F: Pickles Reef August 25, 2014
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Discussion: The site was located in a shallow reef crest-back reef zone typically found along the Florida Reef Tract. The predominant substrate was hardbottom consisting of coral rocks and rubble, *Acropora cervicornis* rubble/cobble, and pockets of sediments consisting of mixed *Halimeda*-shell-calcareous algae hash and carbonate sand. Depths at the base of the upright beacon pilings measured 6 - 9 feet, with encrusting organisms colonizing the beacon structures just below the surface in less than 1 foot.

Hard Coral	**Genus species**
Encrusting Fire Coral	*Millepora alcicornis*
Fire Coral	*Millepora complanata*
Mustard Hill Coral	*Porites astreoides*
Smooth Starlet Coral	*Siderastrea siderea*
Club Finger Coral	*Porites porites*
Fish	**Genus species**
Bluehead Wrasse	*Thalassoma bifasciatum*
Bicolor Damselfish	*Stegastes partitus*
Sergeant Major	*Abudefduf saxatilis*
Cocoa Damselfish	*Stegastes variabilis*
Yellowtail Damselfish	*Microspathodon chrysarus*
Slippery Dick	*Halichoeres bivittatus*
Clown Wrasse	*Halichoeres maculipinna*
Rainbow Wrasse	*Halichoeres pictus*
Puddingwife	*Halichoeres radiates*
Blue Tang	*Acanthurus coeruleus*
Doctorfish	*Acanthurus chirurgus*
Ocean Surgeonfish	*Acanthurus bahianus*
French Grunt	*Haemulon flavolineatum*
Bluestriped Grunt	*Haemulon sciurus*
Stoplight Parrotfish	*Sparisoma viride*
Redtail Parrotfish	*Sparisoma chrysopterum*
Princess Parrotfish	*Scarus taeniopterus*
Striped Parrtofish	*Scarus iserti*
Redlip Blenny	*Ophioblennius atlanticus*
Gorgonians / Octocorals	**Genus species**
Purple Sea Fan	*Gorgonia ventalina*
Sea Plume	*Pseudopterogorgia americana*
Porous Sea Rod	*Psuedoplexaura sp.*
Yellow Sea Whip	*Pterogorgia citrina*

Macro Algae	**Genus Species**
Red/Lavender Crustose Coralline Algae	*Peyssonnelia sp. Porolithon sp.*
Brown Turf Algae	*Cladophora crispata*
Oatmeal Algae	*Halimeda opuntia*
Y-Twig Red Calcareous Algae	*Amphiroa rigida*
Red Turf Algae	*Coelothrix irregularis*
Sponges	**Genus Species**
Black Ball Sponge	*Ircinia strobilina*
Red Rope Sponge	*Amphimedon compressa*
Orange Lumpy Encrusting	*Ulosa ruetzleri*
Orange Icing Encrusting	*Mycale laevis*
Chicken Liver Sponge	*Chondrilla caribensus*
Invertebrates	**Genus Species**
Long-spined Sea Urchin	*Diadema antillarum*
Christmas Tree Worm	*Spirobranchus giganteus*
Feather Duster Worm	*Sabellastarte magnifica*
Star Horseshoe Tube Worm	*Pomatostegus shellatus*
Christmas Tree Hydroid	*Halocordyle disticha*
Rock-boring Sea Urchin	*Echinometra viridis*
Slate-pencil Sea Urchin	*Eucidaris tribuloides*
Sessile Barnacles	Subclass *Cirripedia*

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