



South Atlantic Fishery Management Council
Habitat and Ecosystem Section



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Thursday, February 08, 2007

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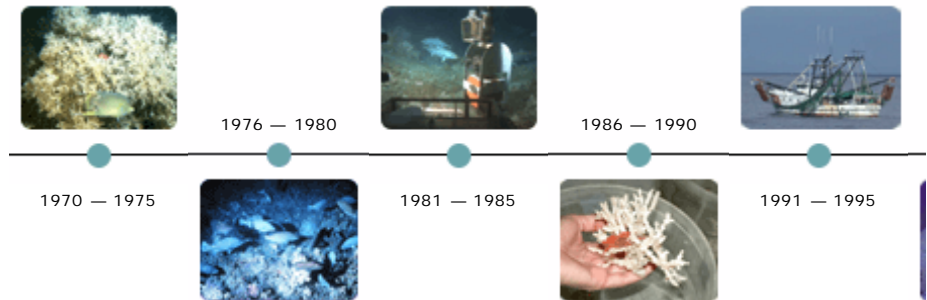
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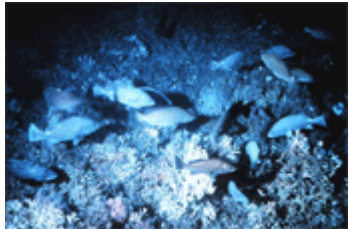


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	Science	Fisheries
1970		<ol style="list-style-type: none"> 1. Rock shrimp splitter invented (1969) 2. First trawlers work Cones & Steeples areas (1969)  <p style="text-align: center;">Rock Shrimp</p>
1977	Harbor Branch Oceanographic Institution scientists explore the Cones, describe Oculina bioherms (Avent et al., 1977)	
1981	<ol style="list-style-type: none"> 1. Scientists describe geology of shelf-edge reefs and how Oculina bioherms form (Milliman, 1981). 2. HBOI dives describe coral ecology (Reed, 1981). 	
1984		<ol style="list-style-type: none"> 1. Modified Lathram machine for peeling rock shrimp. 2. Large Gulf boats move east and target fishery

<p>1986</p>		<p>Gag grouper landings off Canaveral = 50,000 lbs.</p> 
<p>1991</p>	<ol style="list-style-type: none"> 1. Gag grouper landings off Canaveral = 70,000 lbs. 2. Rock shrimp landings off Canaveral = 40 million lbs. 	
<p>1994</p>		
<p>1995</p>	<p>Four NURC–sponsored submersible dives made at Jeff’s Reef</p> 	<p>Gag grouper landings off Canaveral drop to 700 lbs.</p>
<p>1997</p>	<p>Reef restoration structures deployed in OHAPC by Koenig et al.</p> 	
<p>2000</p>		
<p>2001</p>	<p>NOAA’s Islands in the Stream Expedition — submersible and ROV dives in the OHAPC (Koenig et al. 2004)</p>	<ol style="list-style-type: none"> 1. 1.5 million lbs. rock shrimp landed in Canaveral 2. 30,000 lbs. gag grouper landed off Canaveral

2002	First multibeam map inside OHAPC and Oculina GIS created	
2003	<ol style="list-style-type: none"> 1. NURC ROV dives ground-truth multibeam map 2. Brooke (2003) describes Oculina reproductive biology 	
2005	NURC multibeam survey and ROV dives	

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