
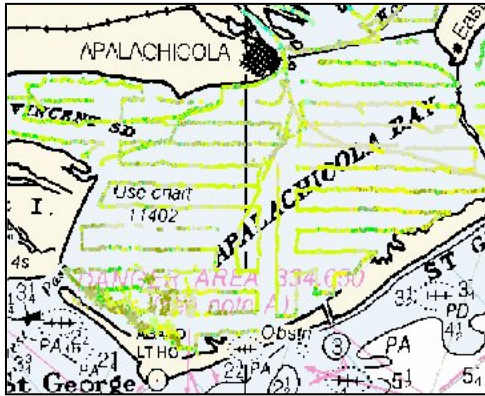
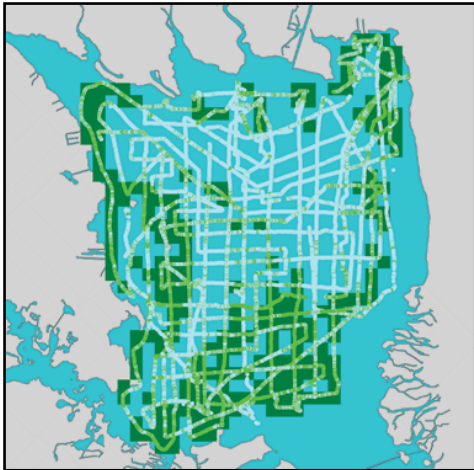

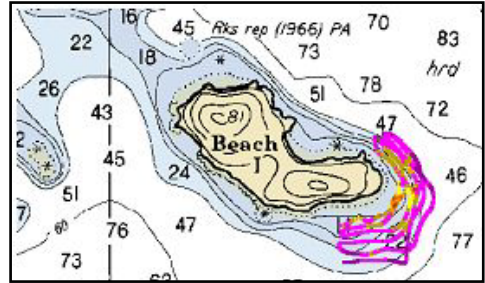




Summary View of Acoustic Classification Survey Technique



Application	Data Coverage	Resolution			Key Points
		Vertical	Horizontal	Image	
Bottom Cover Classification	Along-track Point Data	cm	m	N/A	<ul style="list-style-type: none"> Point Dataset from single beam acoustic return Descriptor in dataset indicates sediment type Requires extensive ground-truth Moderate complexity and cost for acquisition and processing
Data Collection ¹		Raw Data ¹			Processed Data ¹
 <p>The RoxAnn™ Ground Master unit.</p>		 <p>Acoustic classification system data can be displayed on a nautical chart before processing.</p>			 <p>What appear to be lines on this map are actually acoustic data points collected along intertwining transects in Rehoboth Bay, Delaware. The points are classified as algae (green) or no algae (light blue). The points were processed and used to derive a coarse map of the algae distribution (dark green squares).</p>
 <p>Survey operations showing use of RoxAnn™ and real-time video of the seafloor.</p>		 <p>Survey track obtained using the RoxAnn™ acoustic seabed classification system.</p>			

N/A = Not applicable

¹Data collection, raw data, and processed data images from U.S. Environmental Protection Agency and NOAA Coastal Services Center.