

**Unmanned Hydrographic Field Methods for Benthic Mapping and Monitoring**  
**Estimated Costs and Detailed Budget**

**Budget Period: 5 Years**

**Direct:**

1 Personnel	
• Project Management	255,045
• Project Control/Procurement	136,235
• Research Associate	34,448
2 Contracts	
• Project Analysis/Integration Hydrographic Survey	191,520
3 Equipment	
• SeaSat Light Fish(2)	300,000
• Machine Robotics Otter (2)	300,000
• 6205 EdgeTech Sensor (2)	160,000
• Multi Beam Echo Sounder (2)	300,000
4 Equipment Lease/Rentals	
• Support Vessel	110,000
5 Software	
• Data Collection/Processing	150,000
6 Supplies	
• Power Packs/Field Supplies	45,000

**Indirect:**

1 NOARC G&A	117,109
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<b>Total Budget</b>	<b>2,099,357</b>