

## **Substrate texture effect on subtidal fouling community recruitment in Castine, Maine.**

Settlement plates with varying textures were deployed horizontally off a dock in Castine Harbor, Maine to determine which texture would influence the highest diversity and abundance of algae and invertebrate organisms. The plates were deployed for two, five week time periods to assess seasonal variation. There were no statistical differences between treatments of texture and algal and hydroid recruitment. There were significant differences among time periods and the recruitment of algae and hydroid weights. There was a significant difference between treatment and time periods for barnacle recruitment, and the diversity for time period two was higher than time period one. These results parallel the findings from previous studies revealing seasonal patterns.