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**Department of Marine Sciences  
Presents a Seminar By**

**James Ammerman**  
Long Island Sound Study

### **Global Coastal Eutrophication: From the Lorax (?) to Long Island Sound**

Coastal eutrophication is a global problem which is manifested in harmful algal blooms, bottom water hypoxia, loss of submerged aquatic vegetation, and other impacts. It results from excess nitrogen and phosphorus from human activities, including atmospheric deposition, wastewater treatment plants, urban runoff, septic systems, and fertilizer and animal waste runoff from agriculture and lawns. Since the impacts and solutions are local or regional, it is not always considered a global issue. However, some groups of scientists view the flows of nitrogen and phosphorus as a greater current problem than climate change. There is also an ongoing scientific debate about the relative importance of nitrogen and phosphorus in the eutrophication of freshwater and estuarine ecosystems, with both increasingly considered in many environments. The focus will be on three environments that have intensely engaged the speaker, two coastal marine systems, the Gulf of Mexico and Long Island Sound, as well as Lake Erie. The problems, solutions, and progress in each will be discussed and compared. The Lorax connection will be revealed at the end!

**Host:** George McManus

**Time & Date:** 11:00 am, Friday, October 14, 2016

**Place:** Marine Sciences Building, Seminar Room 103

Please see this [page](#) for cancellations and additional seminar information, email [marinescienceseminars@uconn.edu](mailto:marinescienceseminars@uconn.edu), or call 860-405-9152 or 860-405-9151