

Coastal Marine Ecology



Session 29



Feb. 4, 2002
SeaWiFS
Enhanced RGB

Coastal Marine Ecology

Data

Information

Knowledge



Coastal Marine Ecology

Delft3D: Hydrodynamic Model
(Water Level, TEMP, Velocity)

Oyster Mortality Model
(Relationship with Salinity and TEMP)

Delft3D: Water Quality Model
(Salinity, TSS, Chl *a*)

Oyster Population Model
(Growth Rate & Biomass)



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Time	Name	Presentation
10:30 AM	Michael Kline	Variability in the Submerged Aquatic Vegetation community within the Northeastern Florida Bay Mangrove Ecotone over two Decades
10:45 AM	Yini Shangguan	Phytoplankton Response to Changing Nutrients from Comprehensive Everglades Restoration Plan: Comparison of Two Coastal Lagoon Systems in Northern Florida Bay, USA
11:00 AM	Hongqing Wang	Predicting the Responses of Eastern Oyster Population to River Diversion and Sea-Level Rise
11:15 AM	Kang-Ren Jin	An Integrated Environmental Model for a Constructed Wetland: Water Quality Processes
11:30 AM	Laurel Collins	Mathematical Analysis of the Influence of Naturally Occurring Vs. Anthropogenic Events on Water Quality in Florida Bay
11:45 AM	Paul Conrads	Development of a Coastal Drought Index Using Salinity Data

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