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Distribution of Zooplankton Densities Associated with the Florida Current and Subsurface

Amy Hirons

Nova Southeastern University, hirons@nova.edu


Jonathan Shenker

Florida Institute of Technology

Alexander Soloviev

Nova Southeastern University, soloviev@nova.edu

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A photograph of a sunset over the ocean. The sun is low on the horizon, partially obscured by a layer of clouds, creating a bright orange and yellow glow. The sky transitions from a pale blue at the top to a deep orange near the horizon. The ocean surface is dark blue with small, choppy waves, and the sun's light reflects off the water, creating a shimmering path.

Distribution of Zooplankton Densities Associated with the Florida Current and Subsurface

Amy C. Hiron¹, Jonathan Shenker², Alexander Soloviev¹

¹Oceanographic Center, Nova Southeastern University

²Dept. Of Biological Sciences, Florida Institute of Technology

02/10/2007

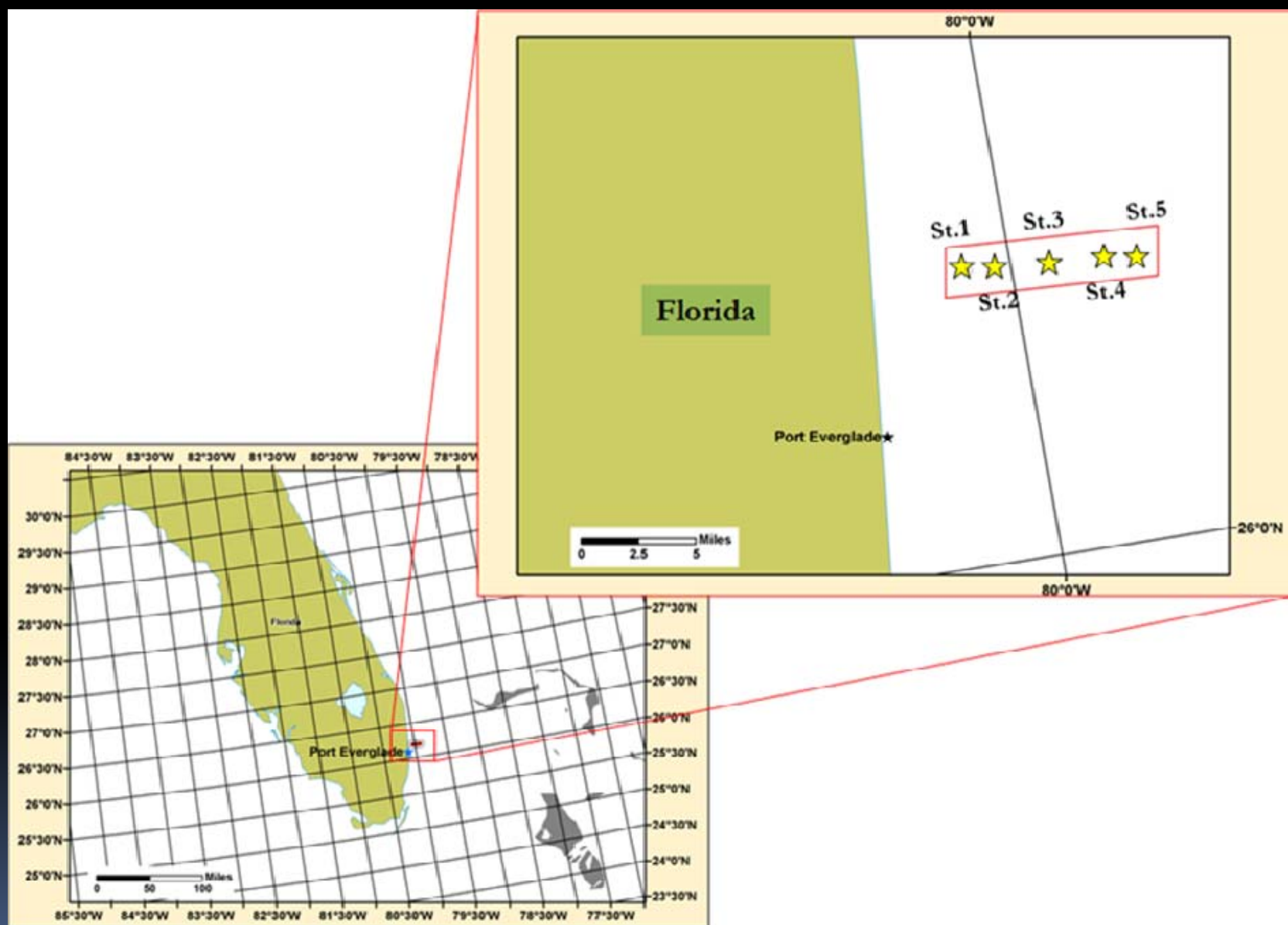
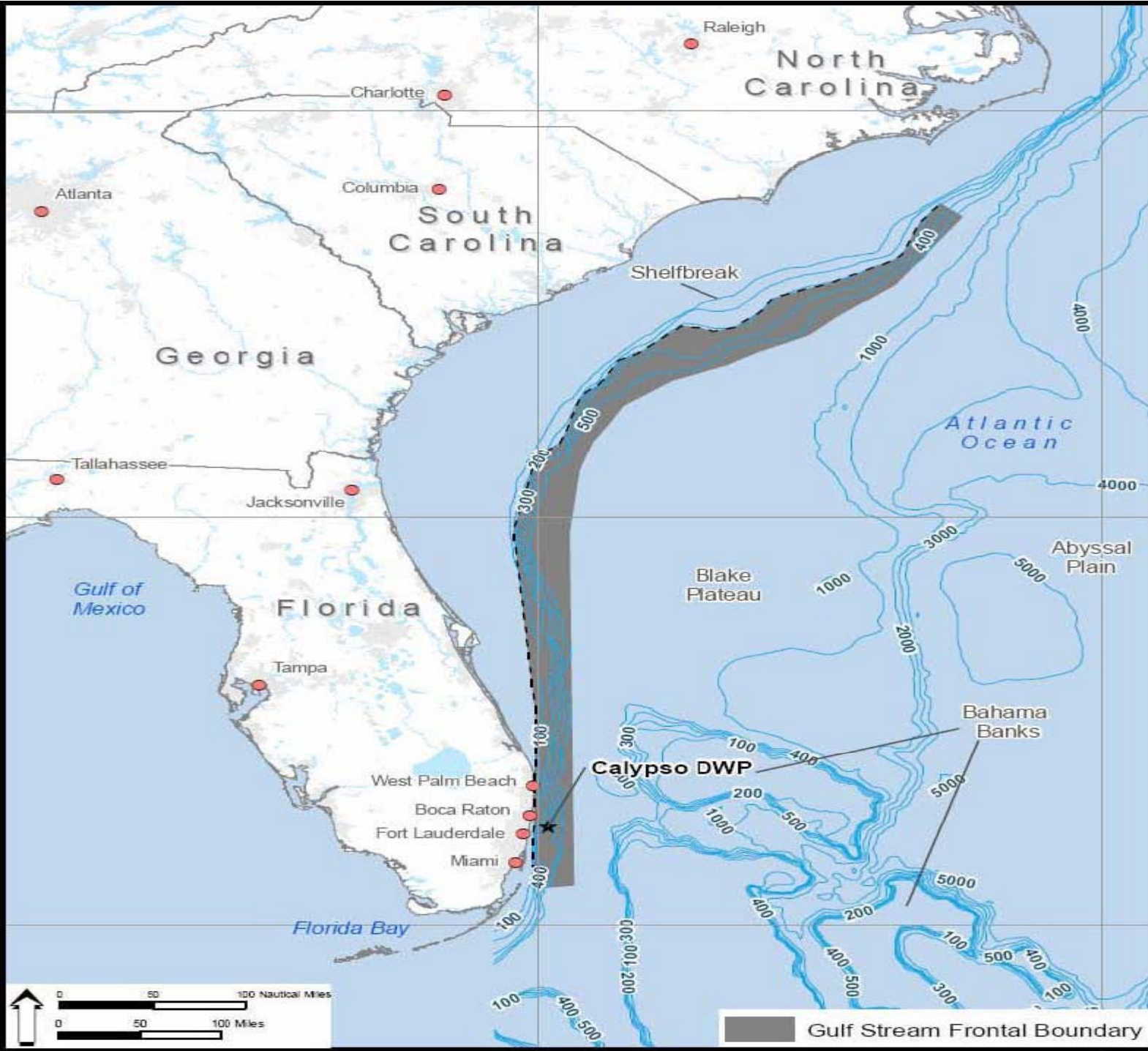


Figure 1. Sampling stations on the western edge of the Florida Current, northeast of Port Everglades, Florida, USA

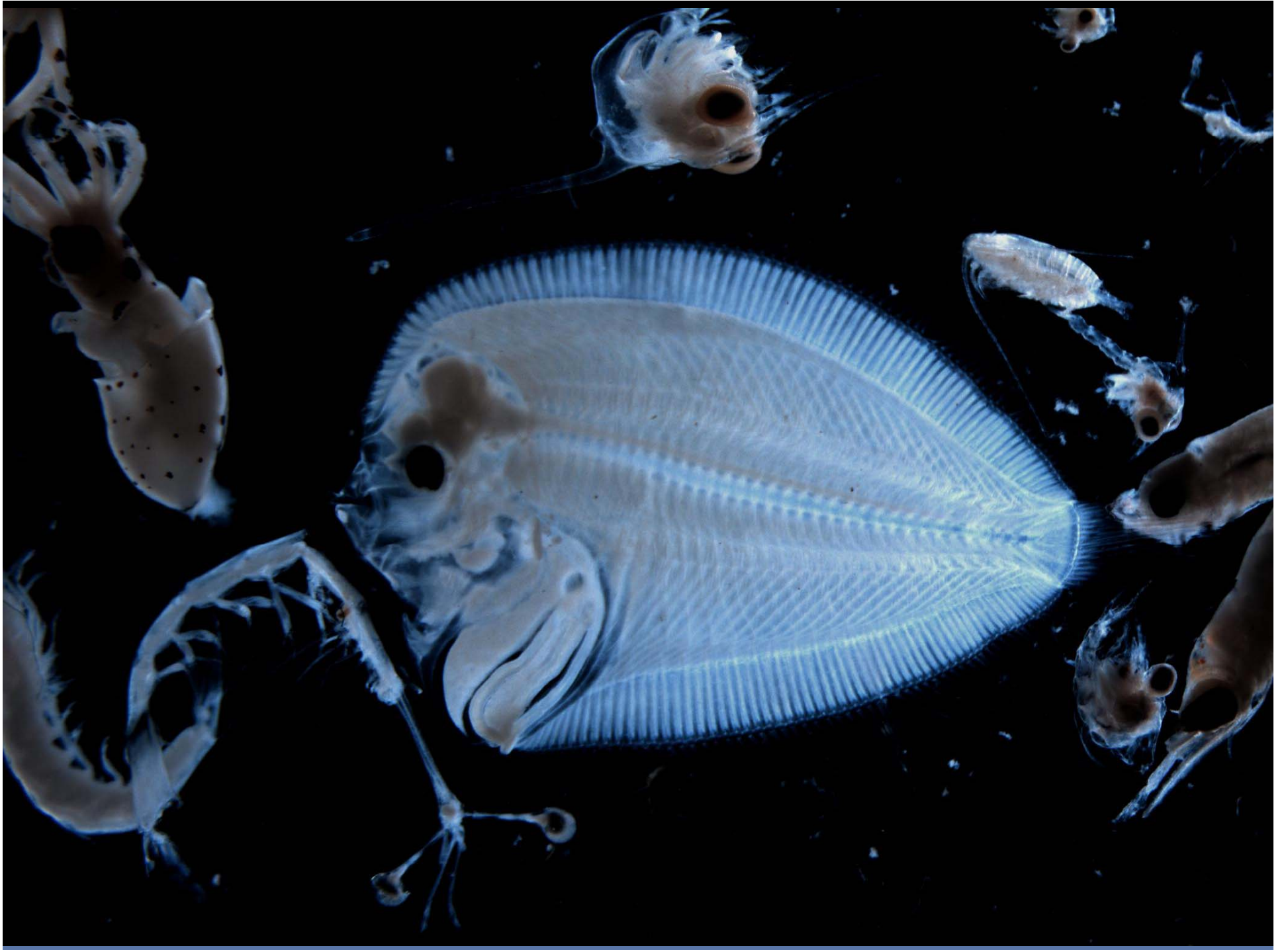




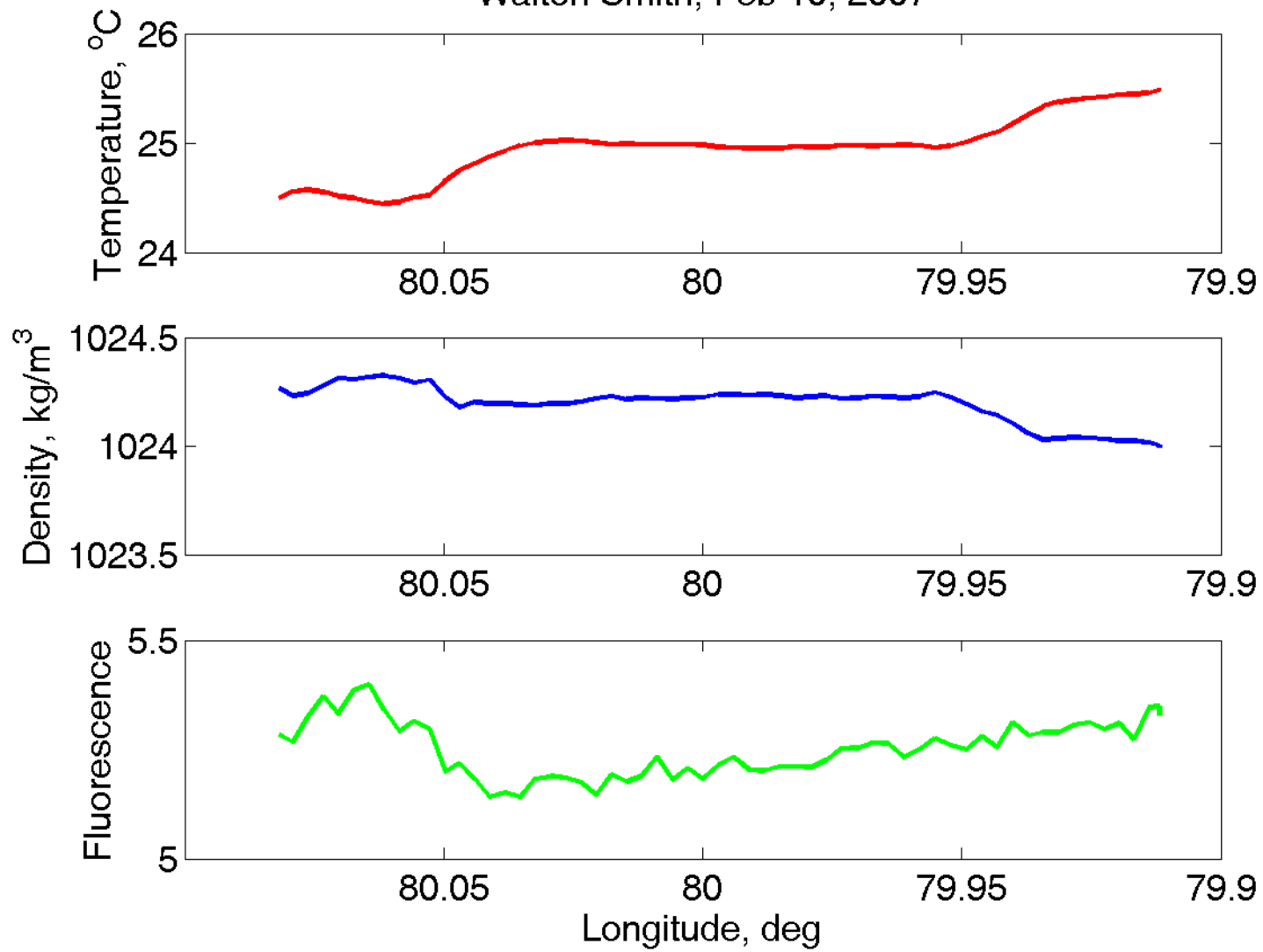




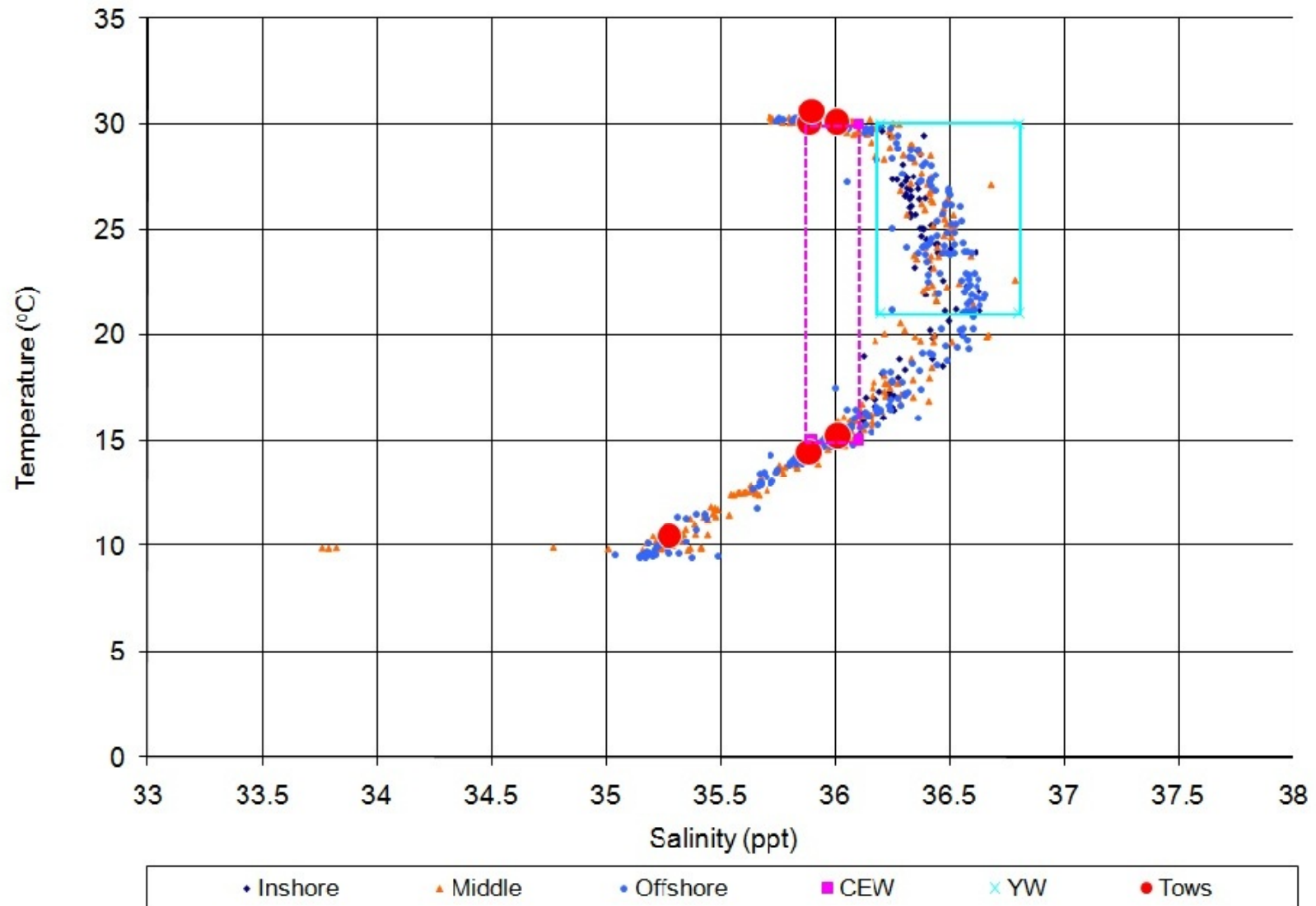
05/01/2007



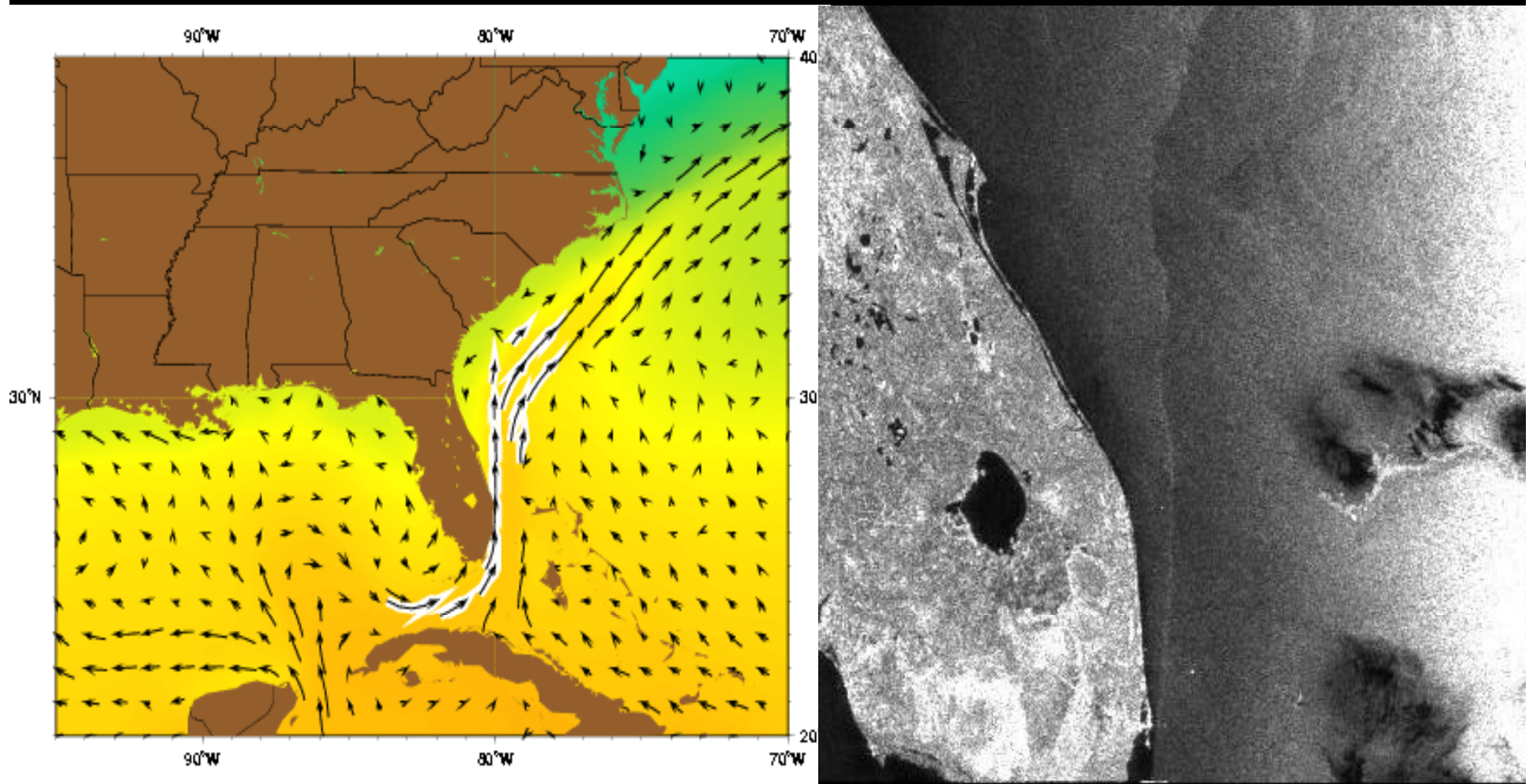
Walton Smith, Feb 10, 2007



September 2007 Fort Lauderdale Transect Temperature-Salinity Plots



FLORIDA CURRENT



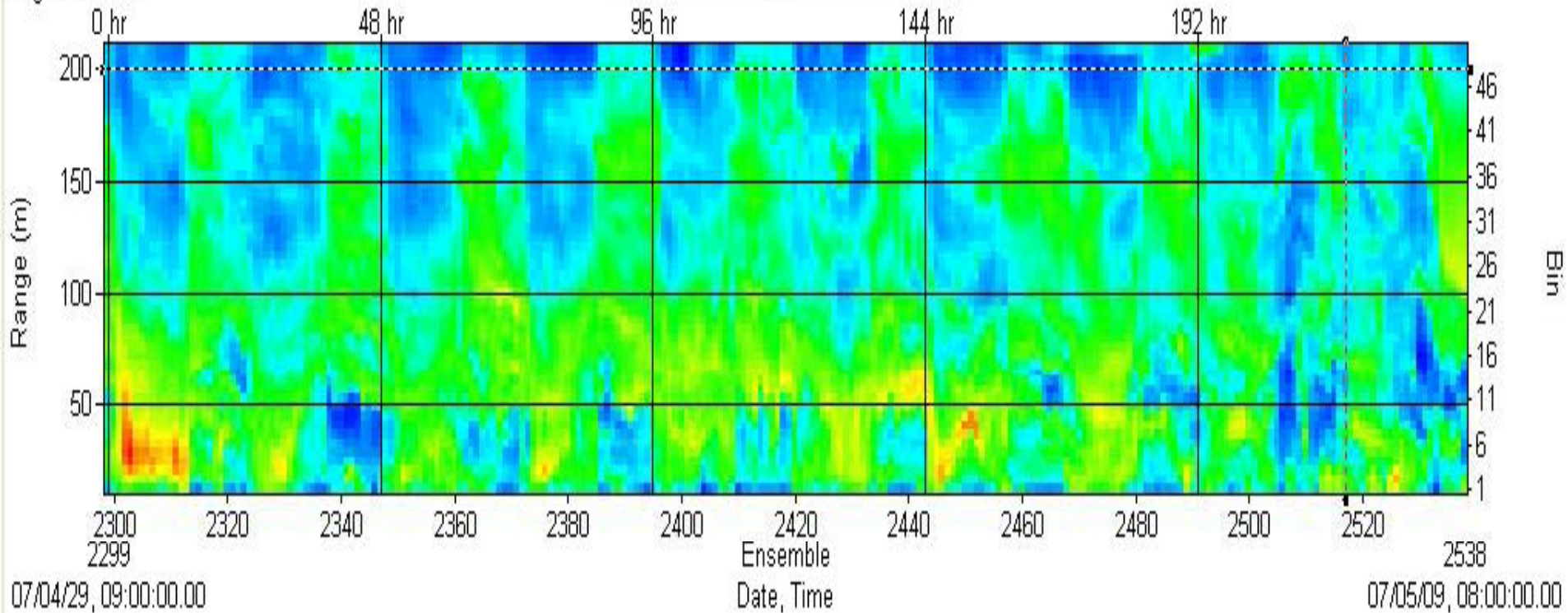


ECHO INTENSITY Avg

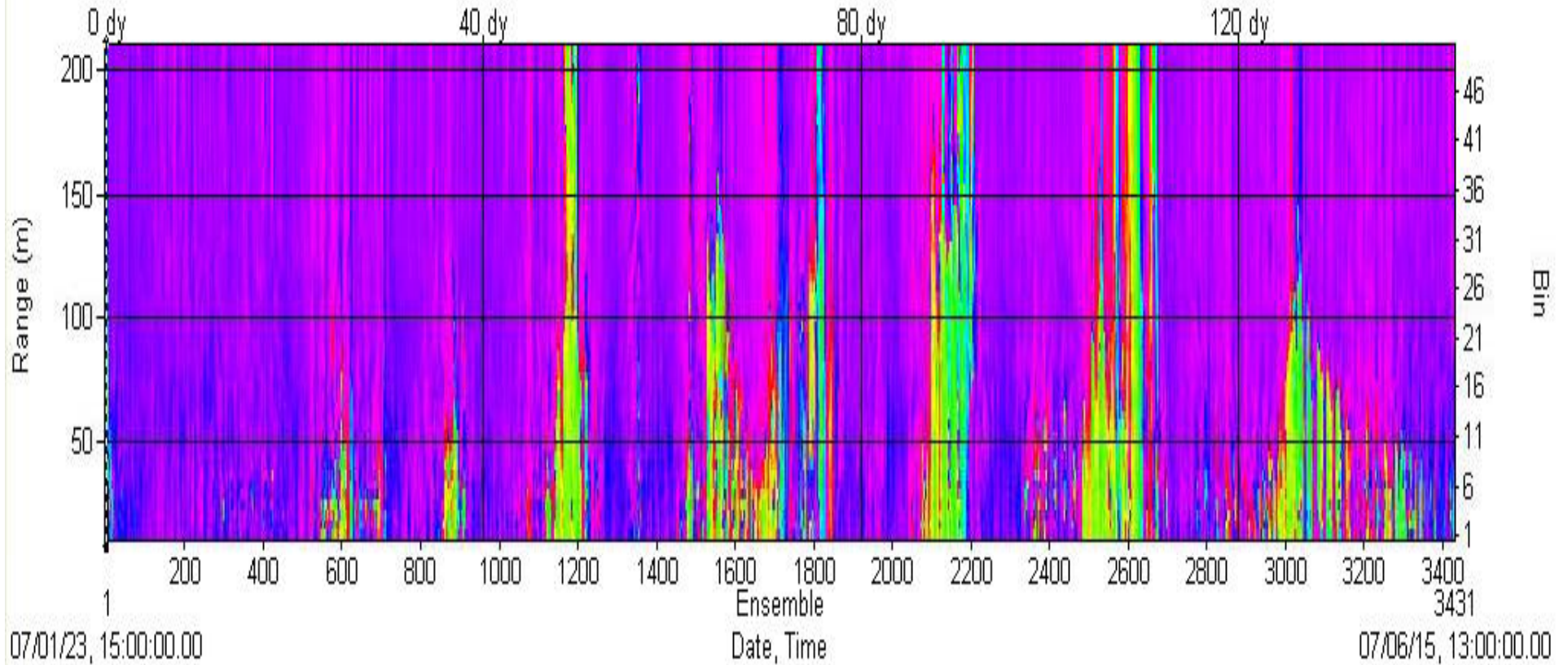
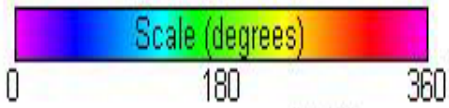
Avg = 128 ± 10

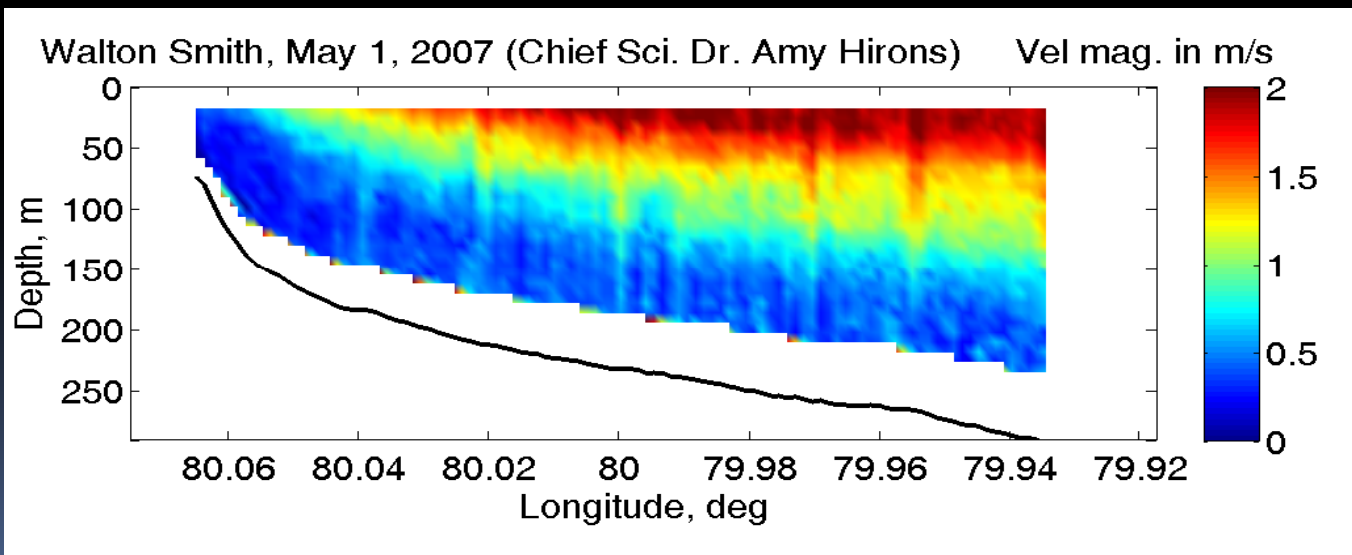
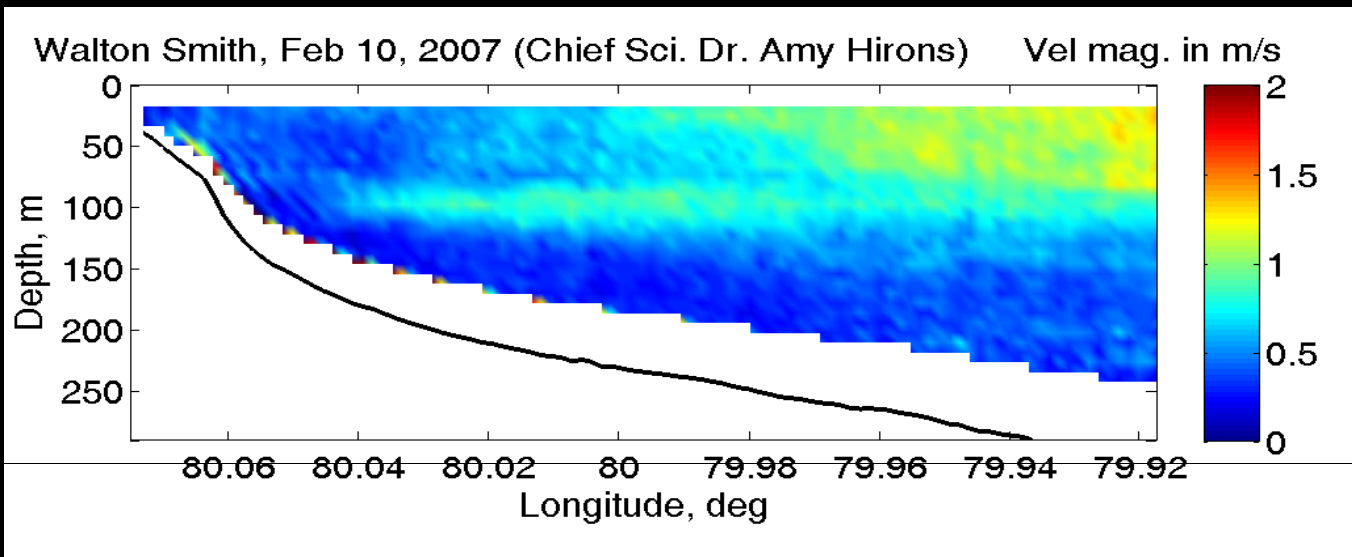


100 139 179

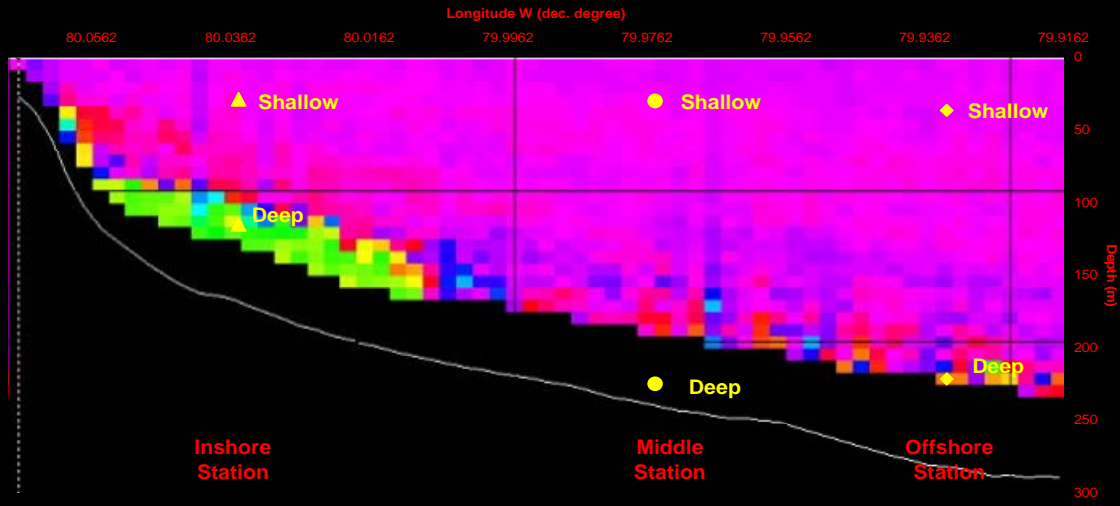


VELOCITY DIRECTION

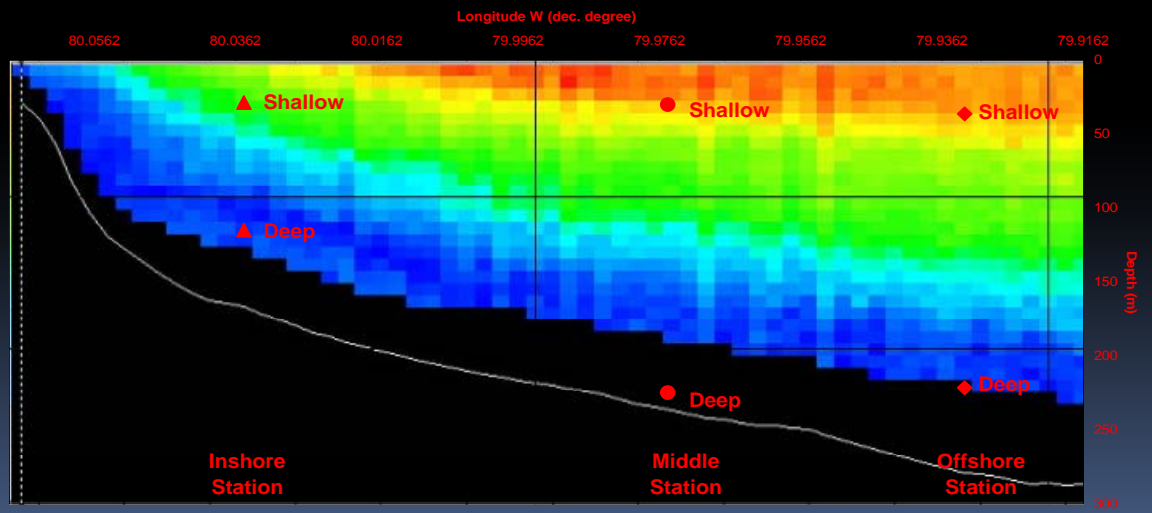


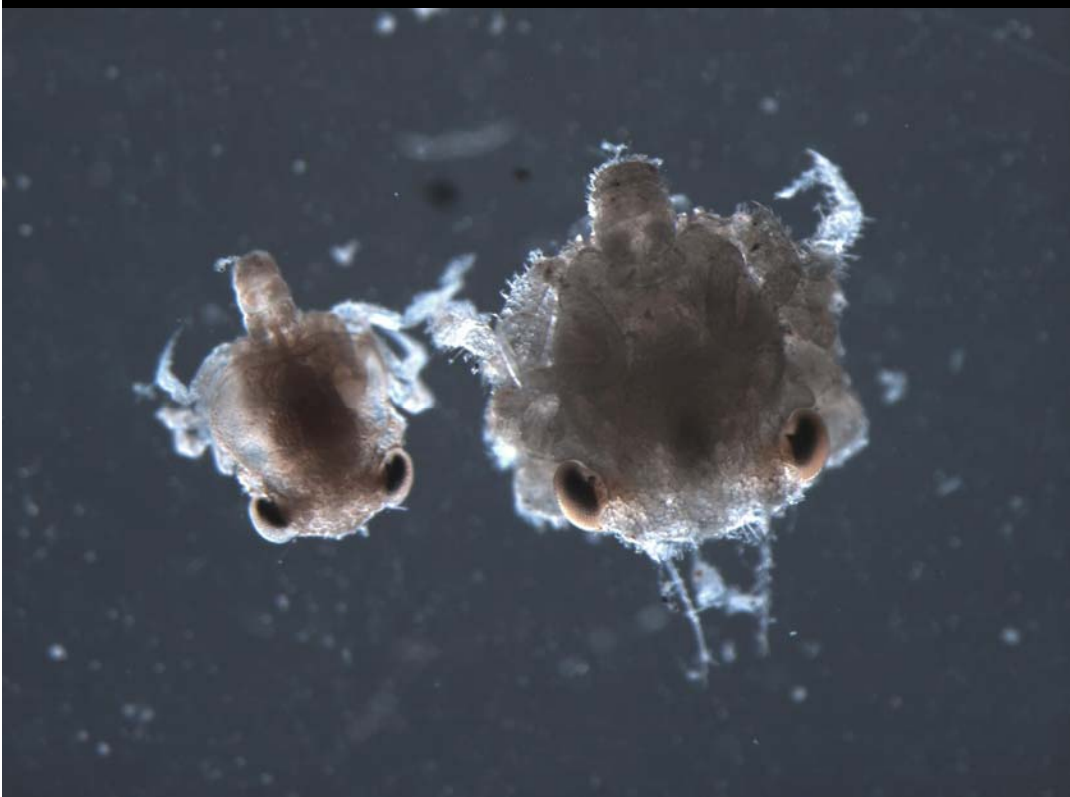


May 2007 ADCP Current Velocity Direction



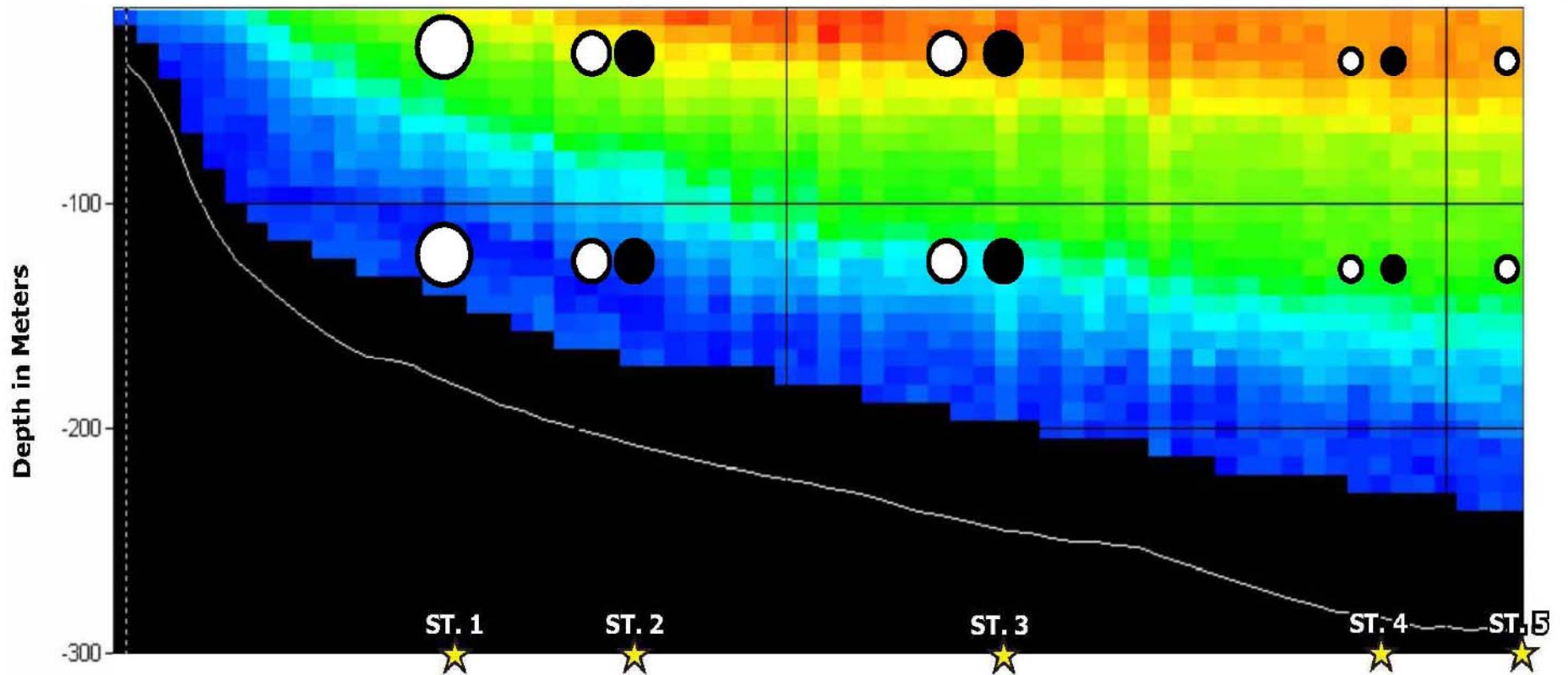
May 2007 ADCP Current Velocity Magnitude





PLEOCYEMATA – MAY 2007

Current Velocity

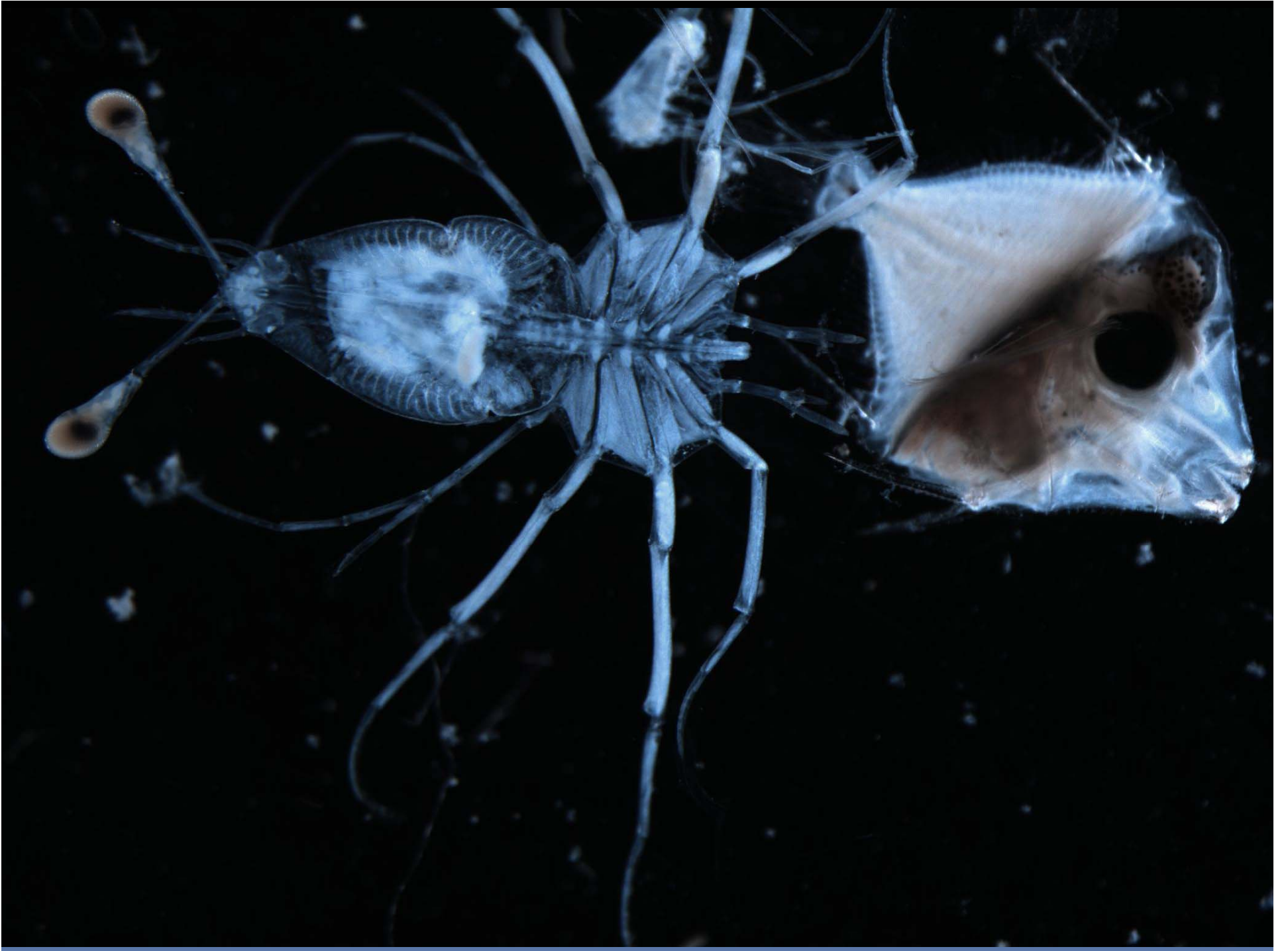


◦ <0.01 larvae/m³

○ 0.01-0.10 larvae/m³

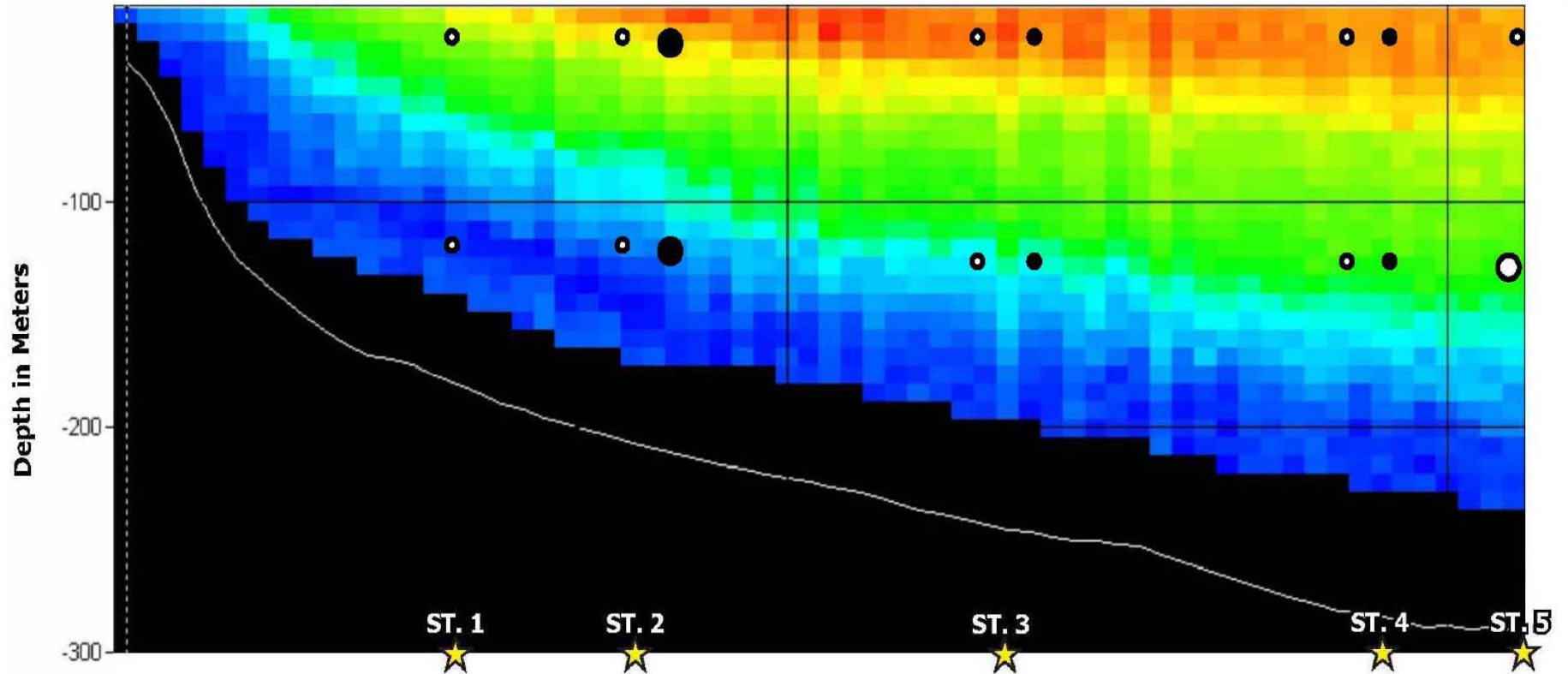
○ 0.10-1.0 larvae/m³

○ >1.0 larvae/m³



PALINUROIDEA – MAY 2007

Current Velocity



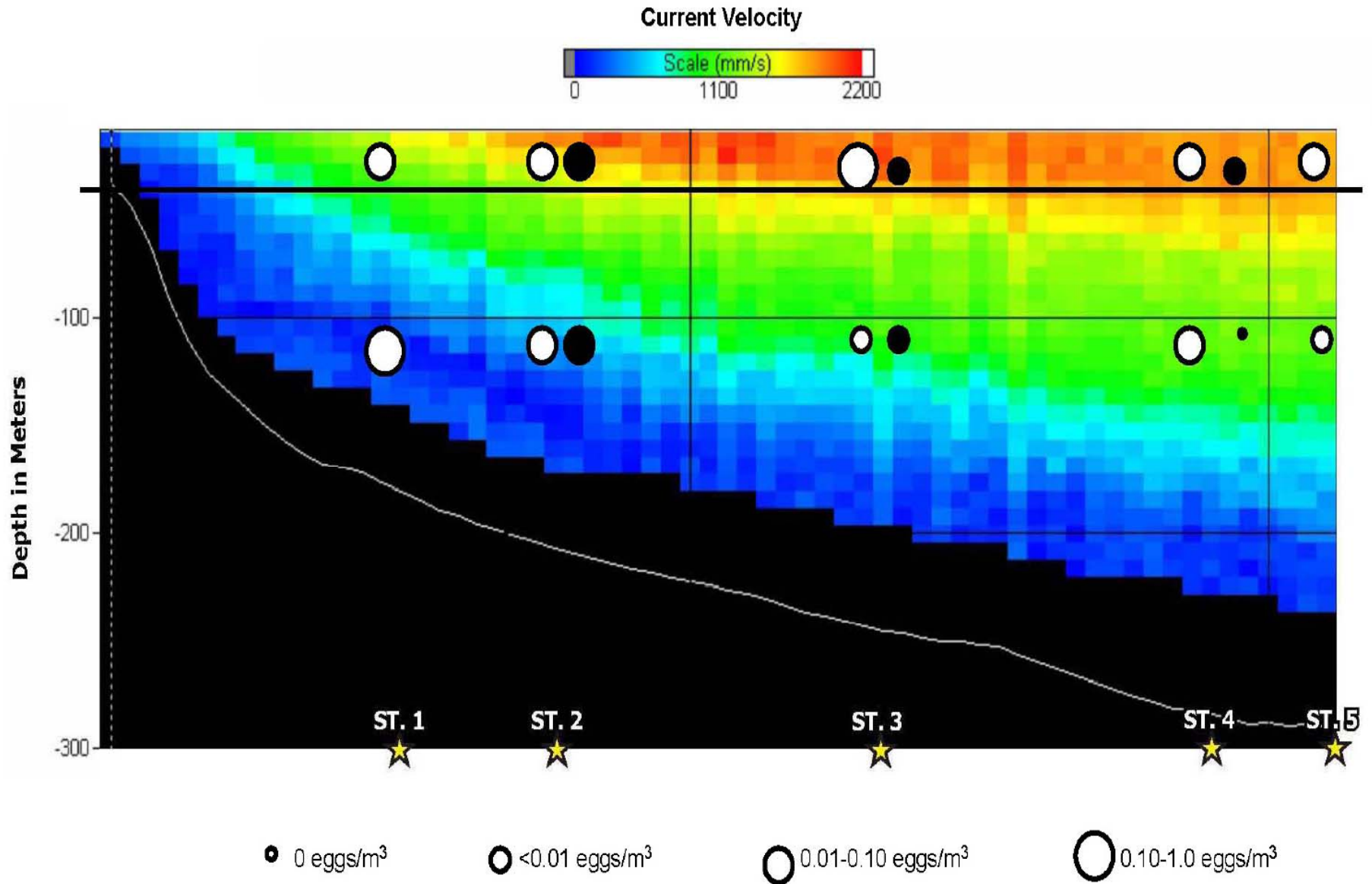
○ 0 larvae/m³

○ 0.001-0.01 larvae/m³

○ 0.01-0.1 larvae/m³

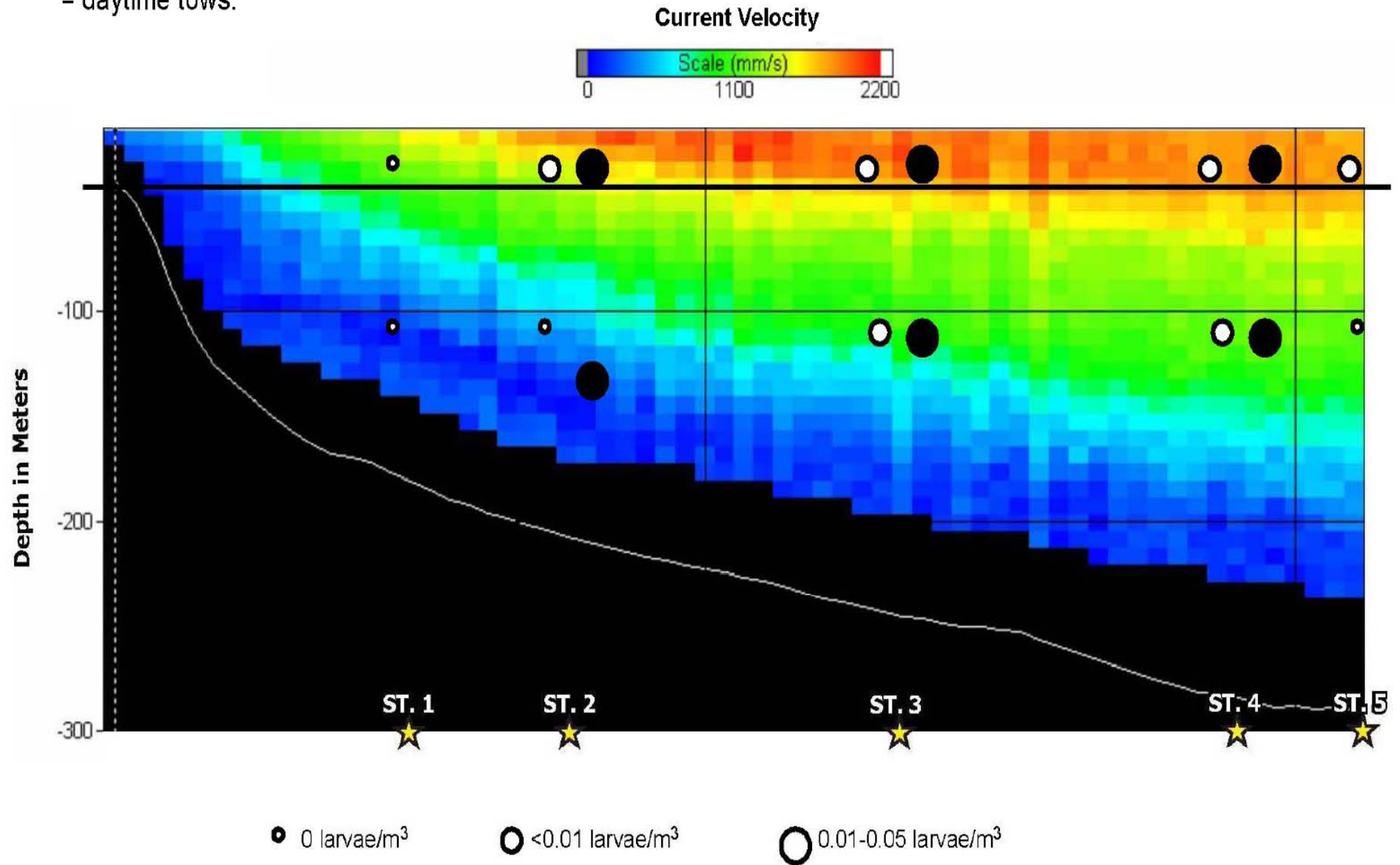


FISH EGGS – MAY 2007

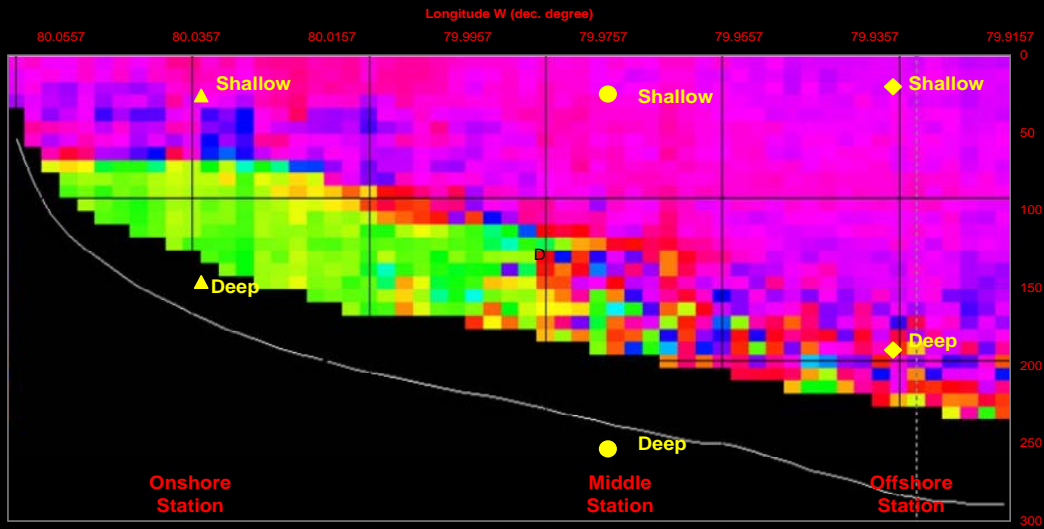


KATSUWONUS - MAY 2007

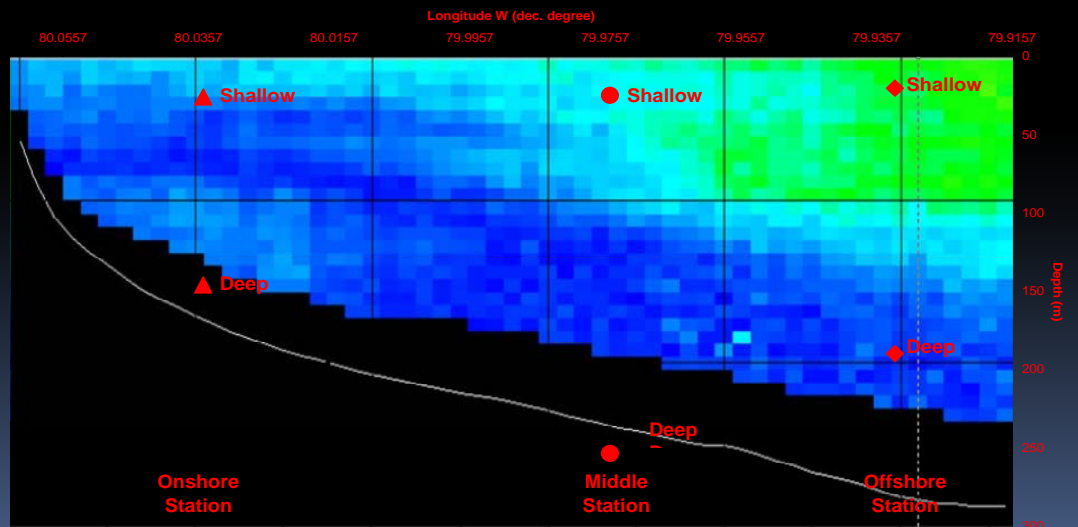
- daytime tows.



September 2007 ADCP
Current Velocity Direction

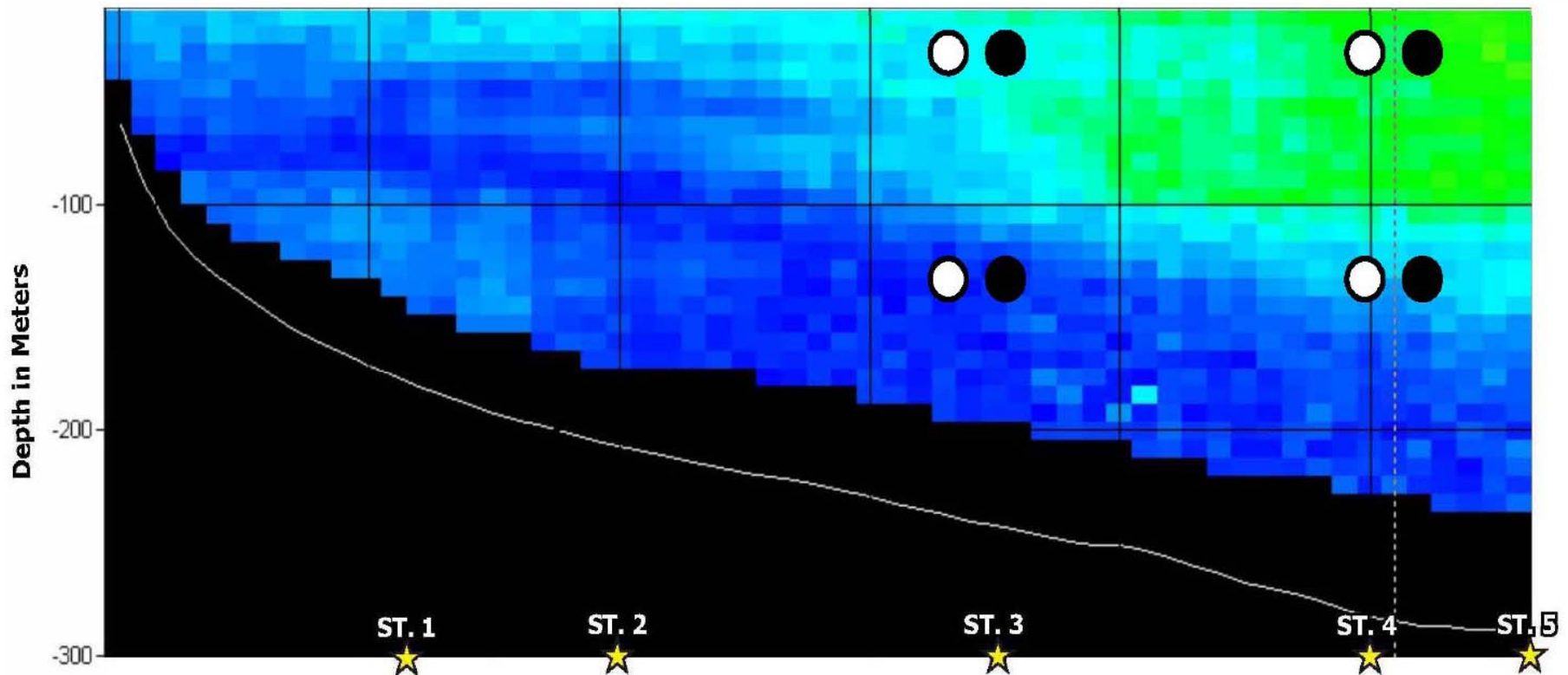


September 2007 ADCP
Current Velocity Magnitude



PLEOCYEMATA – SEPTEMBER 2007

Current Velocity



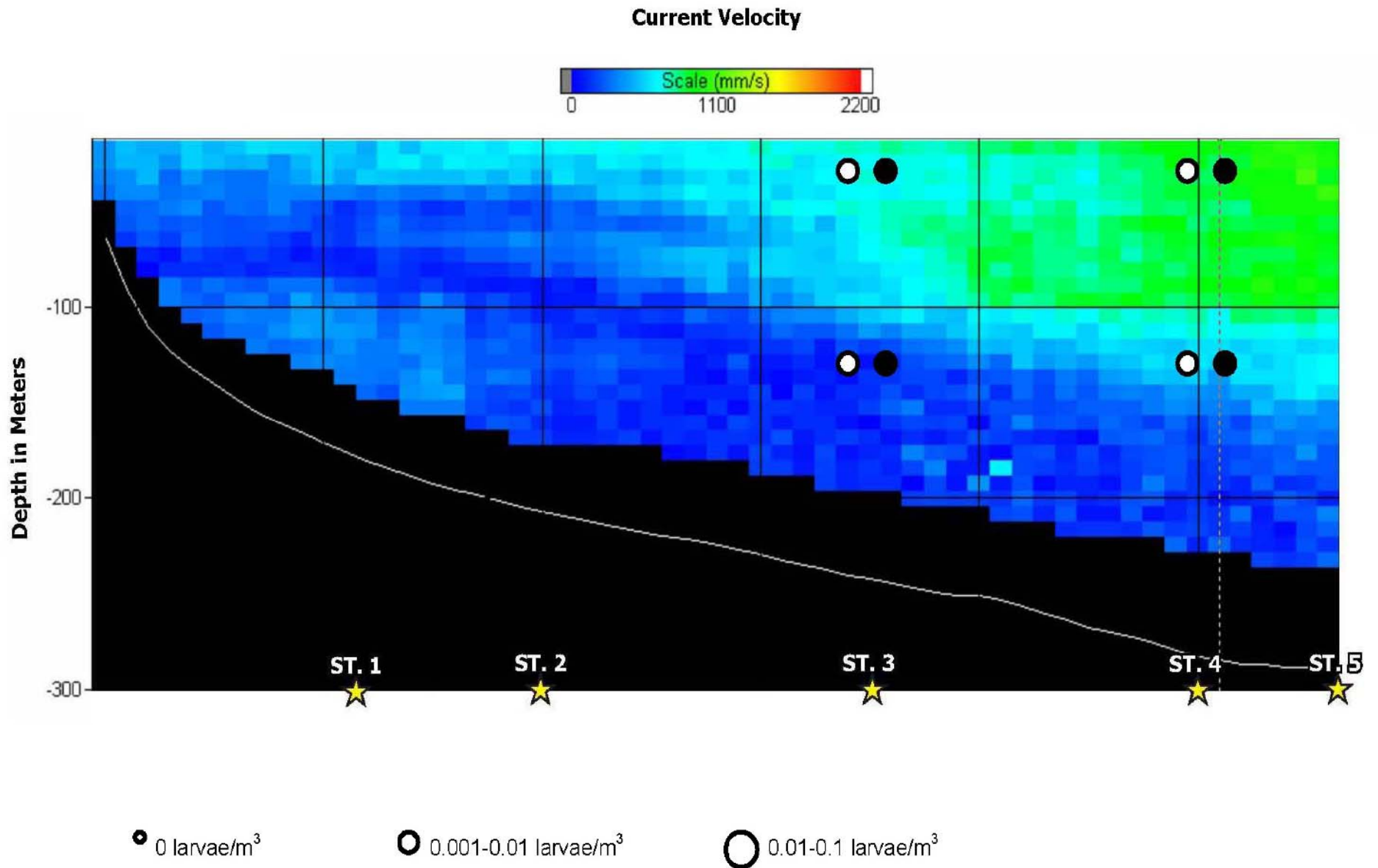
◦ <0.01 larvae/m³

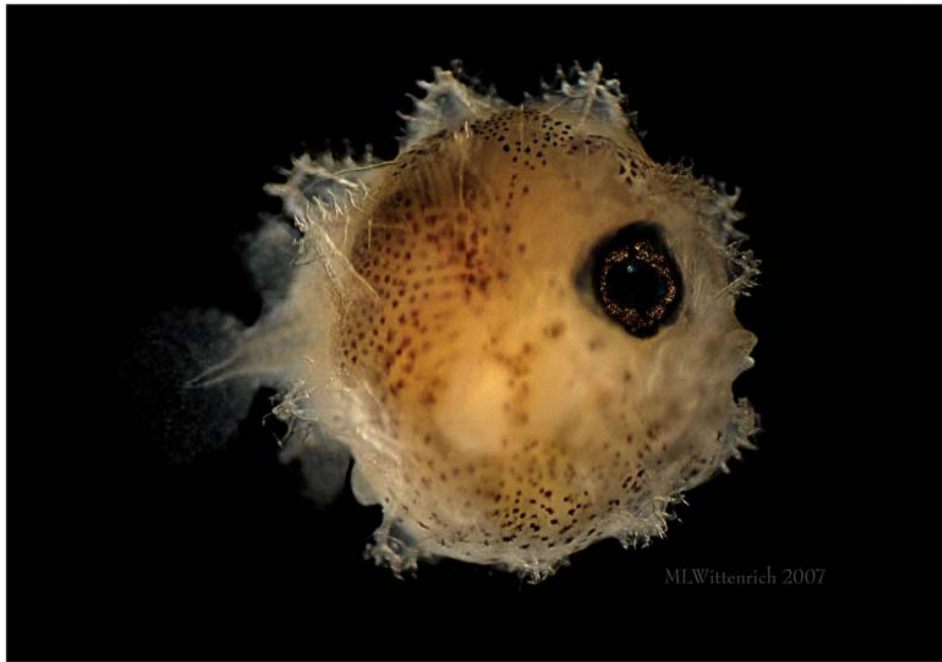
○ 0.01-0.10 larvae/m³

○ 0.10-1.0 larvae/m³

○ >1.0 larvae/m³

PALINUROIDEA – SEPTEMBER 2007





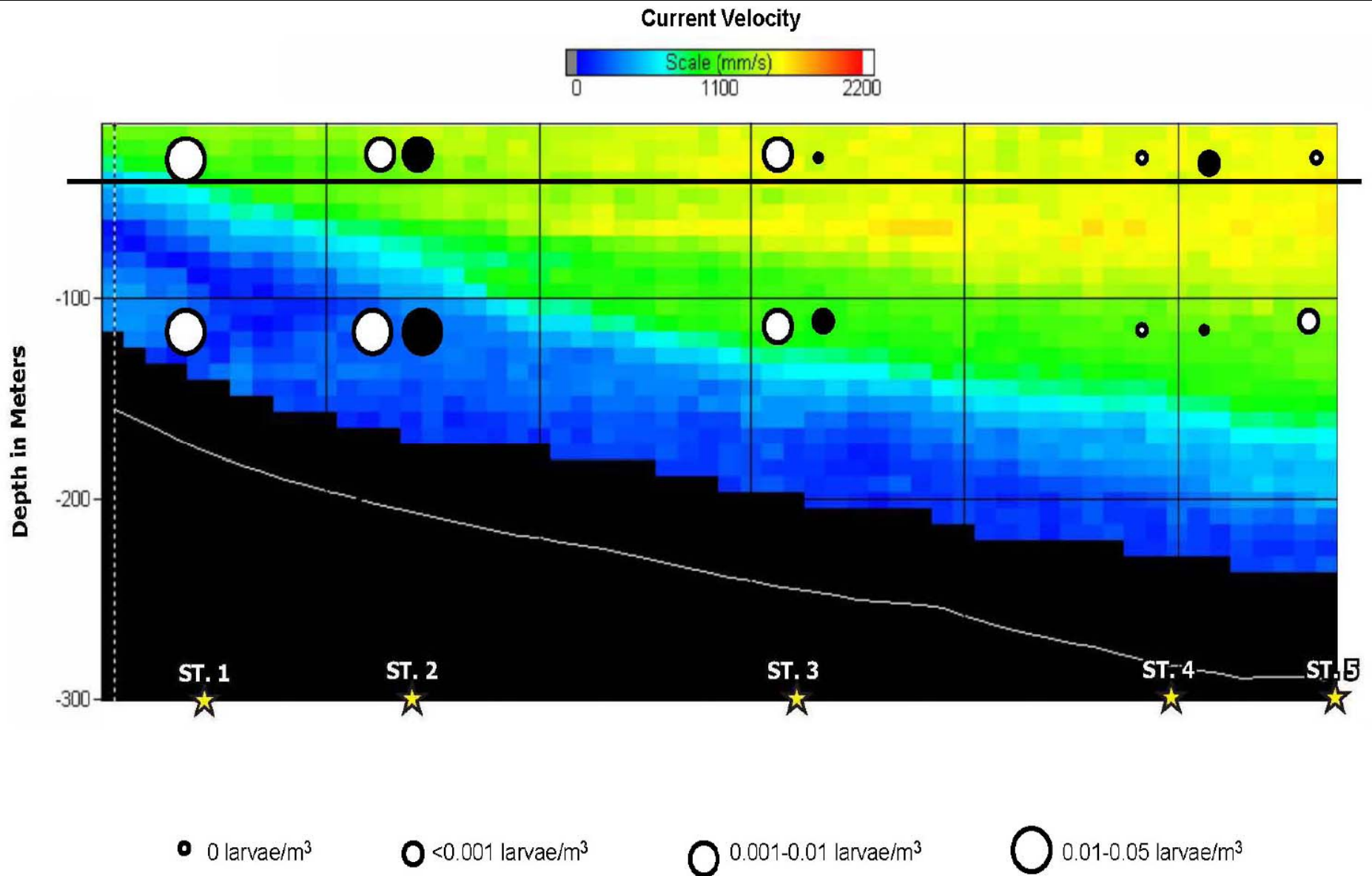
MLWittenrich 2007

MOLA MOLA OCEAN SUNFISH

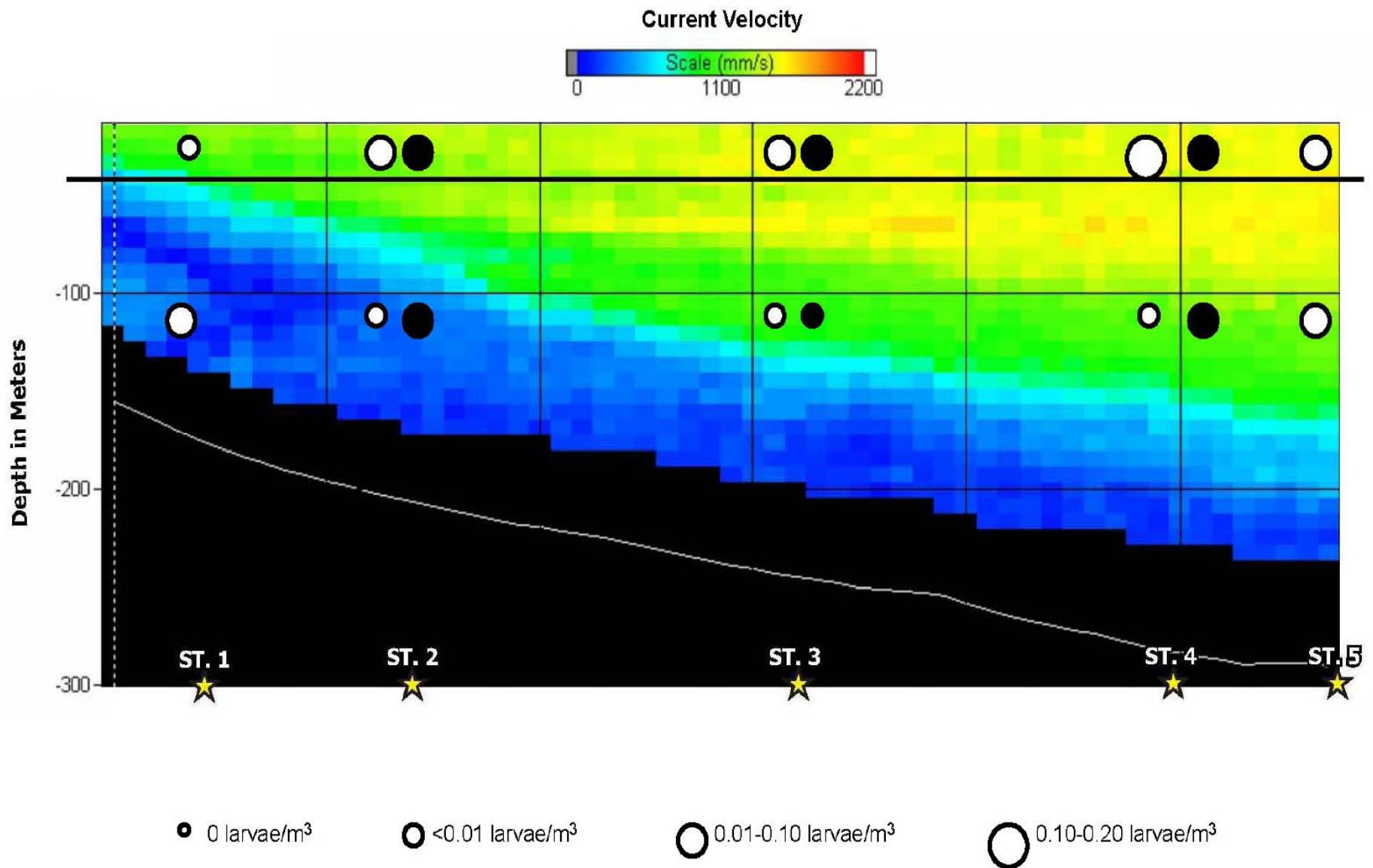


MLWittenrich 2007

LUTJANIDAE – JULY 2007



THUNNUS – JULY 2007





05/02/2007