

Institute of Food and Agricultural Sciences  
School of Forest Resources and Conservation  
Program in Fisheries & Aquatic Sciences  
Tropical Aquaculture Laboratory

1408 24<sup>th</sup> Street SE  
Ruskin, FL 33570  
813-671-5230  
813-671-5234 FAX

14 April 2009

**MEMORANDUM**

**TO:** Kal Knickerbocker, Division of Aquaculture, FL DACS

**FROM:** Jeff Hill

**RE:** ARC Quarterly Report (3<sup>rd</sup> Quarter) – Non-Native Aquatic Species and Aquaculture Research and Education

Task Progress

Greenhouse equipment: Two recirculating tank systems (24 tanks and 2 sumps; ~5,200 gallons total) equipped with pumps, drop bead filters, de-gassing, and UV. A research project is funded and scheduled for one of these systems for the 4<sup>th</sup> quarter investigating multiple predator effects as a biotic resistance to the invasion of ornamental fish species. A 12-tank flow-through system is in place (160 gal tanks; ~1,920 gallons total). Construction has begun on a 3-tank recirculating system (~2,500 gallons) equipped with pumps, drop bead filters, de-gassing, and UV. Quarantine systems and glass aquaria for behavioral research are under construction.

Please let me know if you have any questions or need additional information.