

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

1408 24th Street SE
Ruskin, FL 33570
813-671-5230
813-671-5234 FAX

30 June 2009

MEMORANDUM

TO: Kal Knickerbocker, Division of Aquaculture, FL DACS

FROM: Jeff Hill

RE: ARC Final Report – Non-Native Aquatic Species and Aquaculture Research and Education

Task Progress: All tasks complete.

Objective 1 – Greenhouse:

- Two recirculating tank systems (24 tanks and 2 sumps; ~5,200 gallons total) equipped with pumps, drop bead filters, de-gassing, and UV are completed. A research project is underway in one system investigating multiple predator effects as a biotic resistance to the invasion of ornamental fish species.
- A 12-tank flow-through system is completed (160 gal tanks; ~1,920 gallons total). This system is currently being used in conjunction with the multiple predator project and for a project investigating genetics of introduced loricatorid catfishes.
- A 3-tank recirculating system (~2,500 gallons) equipped with pumps, drop bead filters, de-gassing, and UV is completed. This system is currently used to hold fish for projects.
- A recirculating system of 15 glass aquaria, pump, bubble bead filter, de-gassing, and UV is completed.

Objective 2 – Electrofishing boat/fish hauling:

- All equipment is installed and operational. The equipment has been used for non-native fish research and extension, including filming a segment for AquaKids TV and collaboration with the Florida Fish and Wildlife Conservation Commission.

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