

Mississippi Department of Marine Resources Invasive Species Activities April thru September 2011

- 54 field surveys were conducted for early detection of AIS totaling 798 miles. As a result, a new area of giant salvinia (*Salvinia molesta*) was discovered North of Farrigut Lake, Pascagoula River. Cogongrass (*Imperata cylindrica*) was also discovered on Deer Island.
- Three aerial photo surveys totaling 527 miles were performed to aid in early detection of AIS.
- Two citizen reports of invasive plant sightings were investigated. All turned out to be native plants.
- One citizen report of invasive lionfish (*Pterois voltans*) was investigated. Turned out to be a native sargassum fish (*Histrion histrio*).
- Nine sightings of invasive Asian tiger shrimp (*Penaeus monodon*) were reported to NAS database from specimens given to DMR by local fishermen.
- 18 herbicide applications totaling 126 gallons were applied in accordance with all State and Federal Laws to control giant salvinia in the Pascagoula River.
- 15 herbicide applications totaling 279 gallons were applied in accordance with all State and Federal Laws to control common salvinia (*Salvinia minima*) in Bogue Houma, Pearl River and Robinson Bayou, Pascagoula River.
- 13 herbicide applications totaling 331 gallons were applied in accordance with all State and Federal Laws to control cogon grass (*Imperata cylindrica*) on Deer Island.
- 8 herbicide applications totaling 77 gallons were applied in accordance with all State and Federal Laws to control waterhyacinth (*Eichhornia crassipes*) in the Pascagoula River and at Stennis Space Center.
- 2 herbicide applications totaling 6 ounces were applied in accordance with all State and Federal Laws to control Brazilian waterweed (*Egeria densa*) in a residential runoff collection pond that discharges directly into the Tchoutacabouffa River.
- 3 public outreach tours were conducted to Deer Island. One trip was to deliver native plants for transplant to help populate newly constructed portions of the island and prevent spread invasive species.
- One article was written for MDMR's quarterly newsletter *Coastal Markers* about Asian tiger shrimp.