

Florida Keys National Marine Sanctuary

Patrol Vessel *Peter Gladding* Enforcement Catamaran



**Aluminum (Marine Grade 5383)
Hydrofoil Assist**

**LOA 57' Beam 21', Draft less
than 3'**

**Crew 3-4 Law Enforcement
Officers**

Contracted in September 2004

Delivered in Jan 2006

**Twin MTU 1085HP diesel driving
Hamilton Waterjets**

Top Speed 44kts+

Economic Cruise Speed 36kts

Range 500nm

Florida Keys National Marine Sanctuary's new 57' high-speed catamaran serves as a long-range law enforcement patrol boat in the Lower Keys. The primary operating area is the remote Tortugas Ecological Reserves 70 miles west of Key West. Because of the long distance between home port and patrol area, a fuel efficient high cruise speed is required, along with the ability to sprint at very high speeds during pursuit. A Teknicraft hydrofoil assisted catamaran powered by Detroit Diesel and propelled by Hamilton waterjets was selected as a replacement for an aging Coast Guard cutter.

Staffed by cross-deputized state and federal law enforcement officers, this vessel remains on station for several days at a time in the Lower Keys and Tortugas Reserve areas. The vessel patrols in deep water as well as sensitive coral reef and mangrove areas where a shallow draft and very low wake wash are required. The Teknicraft catamaran design has demonstrated very low wake wash characteristics.

A state-of-the-art electronic joystick control system, along with a low-boarding area, allows the law enforcement officers to safely inspect vessels and provide other emergency response services.

P/V Peter Gladding will be managed and maintained under NOAA's new vessel management data base program for small boats and is designed to enhance the overall safety of vessel operations and effectively manage NOAA's assets. The data base will include updated management and scheduling software to track inspections, preventative maintenance, training and operational budgets in a central data base.

The vessel is named for Peter Gladding who was a leader in the commercial fishing community and had the vision and focus to work tirelessly to help establish the Tortugas Ecological Reserve. Gladding was known for his love of the ocean and pursuit to protect it from overfishing.



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