Vessel History

*Cape Florida* is a Lighter Aboard Ship (LASH) barge carrier. It was launched in 1971 at Avondale Shipyards in New Orleans, Louisiana as the *LASH Turkiye* for Prudential-Grace Lines, Inc. (known as the Prudential Steamship Company prior to January 1970). Intended for the company’s U.S. East Coast–Mediterranean service, the ship was the second in a flight of 11 identical ships built at Avondale Shipyards for Prudential-Grace and Pacific Far East Lines. Grace Lines operated *LASH Turkiye* in subsidized commercial service until the company sold it to Delta Lines, which renamed it SS *Delta Caribe*. The Maritime Administration (MARAD) purchased *Delta Caribe* on May 8, 1986; the vessel was placed in its Ready Reserve Force (RRF) on February 17, 1987 and renamed SS *Cape Florida*. The ship is currently moored at MARAD’s Beaumont Reserve Fleet (BRF) in Beaumont, Texas. MARAD downgraded the ship to non-retention in 2016.

LASH, or lighter aboard ship vessels, were designed to transport fully-loaded barges in ocean freight service. An extension of the idea of the multimodal shipping container, the LASH system was developed to reduce the cost of shipping bulk cargo. As described in a contemporary trade journal, “[P]re-stowed lighters can be raised and lowered from the mother ship without lengthy in-port layovers, thereby offering an unparalleled express delivery service for shippers.” The LASH concept was developed by naval architect Jerome L. Goldman of Friede & Goldman, Inc., of New Orleans, who
received a patent for the idea in 1966. He also founded LASH Systems, Inc., to license construction of LASH vessels based on his concept.¹

These were the first LASH ships ordered for construction anywhere in the world, although two LASH ships built in Japan for Norwegian owners were the first to enter service. The five Prudential-Grace ships were the LASH Italia (delivered 1970, scrapped 1987), LASH Turkiye (1970), LASH Espana (1970, now the Cape Fear²), LASH Atlantico (1974, scrapped 1996), and LASH Pacifico (1974, scrapped 1995). The six Pacific Far East ships were the Thomas E. Cuffe, Golden Bear, Pacific Bear, Japan Bear, China Bear, and Philippine Bear.³

The ship was constructed with a capacity of 73 cargo lighters. The custom lighters used in the LASH system, each measuring 61'-6" x 31'-2" x 14'-6" and weighing 500 short tons fully loaded, were built under a separate Avondale contract. To provide maximum cargo flexibility, LASH Turkiye and its sisters were equipped to carry barges, standard 20’ containers, or a combination of both. According to a LASH Systems advertisement, the ship was expected to “provide for 80% of its general cargo capacity in the form of pre-loaded LASH lighters, with 20% of the capacity in cellularized standard containers. This ratio of lighters to containers can readily and easily be changed as the trade demands.” The ship was also built with tanks for 7,000 tons of liquid cargo or bulk grain.⁴

**SERVICE HISTORY**

Prudential-Grace deployed the ship at first as part of its service to the Mediterranean from New York, Philadelphia, and Norfolk. In March 1972, Prudential-Grace changed the service to direct sailings from New York and Baltimore to the Mediterranean.

In 1974, LASH Turkiye often sailed from Port Newark, New Jersey, to Istanbul, Turkey; Piraeus, Greece; and Barcelona, Spain. In 1975, the ship’s port calls included Brooklyn, New York and Naples, Italy.⁵

Prudential-Grace was renamed Prudential Lines, Inc., in September 1974. In 1977 and 1978, the company sold its Latin American services and vessels to Delta Steamship Lines, Inc. This sale included the LASH Turkiye, which Prudential sold for $22 million on

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² Cape Fear is currently moored at MARAD’s Suisun Bay Reserve Fleet in Benicia, California.


December 30, 1977. The new owners renamed the ship Delta Caribe on June 16, 1978, and it continued to sail in liner service to Venezuela from Brooklyn and other U.S. East Coast cities.6

United States Lines (USL) purchased Delta Steamship Lines in 1985, taking possession of Delta Caribe on January 25, 1985. USL renamed the vessel American Caribe.7 Unable to use the ship profitably, however, USL sold it to MARAD on May 8, 1986. MARAD assigned the ship to the RRF with a five-day activation status and renamed it Cape Florida on February 17, 1987. It was initially outported to Mobile Dock Services, Inc., Mobile, Alabama, under the control of the BRF.8

At the time of Operation Desert Shield in August 1990, the RRF included 96 ships, 68 percent of which were in a five-day readiness status. Between the beginning of the operation and late February 1991, the U.S. government shipped about 3.3 million short tons of dry cargo to the Persian Gulf in support of military operations. About 85 percent of this was carried by sea. Of about 344 vessels that participated in the sealift, Cape Florida was one of 79 RRF vessels activated for service. The ship was ordered activated on August 14, 1990, and turned over to the U.S. Navy’s Military Sealift Command on October 18, a 60-day period that was far longer than the vessel’s nominal five-day activation period. Many of the RRF activations during Operations Desert Shield and Desert Storm took longer than their specified times. Only 15 ships activated on time, and 37 activated more than five days late. Most of the delays were caused by mechanical failures.9

The ship was moved to Wilmington during activation to allow barges in the holds to be discharged. Once accepted by MSC, however, a lack of barges in the port delayed loadout. Not until December 10, 1990, was the vessel loaded. It then sailed for Ad Dammam, Saudi Arabia, where it arrived January 14, 1991, with its cargo of ammunition.10

Cape Florida subsequently carried U.S. military cargo from Newport, England, and Bremerhaven, Germany, to Ad Dammam, before being deactivated November 20, 1991. The ship was prepared for layup at Metal Trades, Inc., Hollywood, South Carolina,

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8 Cape Florida ex-LASH Turkiye vessel status cards.


between May 1 and August 19, 1992. This work included installation of domestic reefers and MSD units, plus installation of a new LASH barge crane, removed from “a Waterman Steamship Co. LASH vessel currently laid up in the Beaumont Reserve Fleet.”

Beginning in 1992, the ship was managed for MARAD under contract by Violet Dock Port, Inc., of Violet, Louisiana. In 2000, management shifted to Pacific Gulf Marine, Inc. The ship was activated for Operation Iraqi Freedom on October 14, 2004, and deactivated January 7, 2005. Cape Florida was subsequently downgraded from RRF status and classified for retention as militarily useful on July 31, 2006. In 2016, MARAD downgraded the ship to non-retention.

A view of Cape Florida’s stern at a pier with a full load. Maritime Administration photograph.

**DESIGN DESCRIPTION**

*Cape Florida* was built as the *LASH Turkiye*, the second in a flight of 11 ships built to the same plans for Prudential-Grace Lines and Pacific Far East Lines between summer 1969 and spring 1973. The ship was described in the professional press:

Her huge hull, with clipper bow and broad transom stern, has a long forecastle forward topped by three tiers of streamlined superstructure. The main deck extends after of the forecastle for some 600 ft; its utilitarian character shows that its sole function is the carriage of lighters and

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containers on and below its enormous hatch covers. Heavy crane rails run the entire length of the main deck, and extend well beyond the stern of the ship, supported on a sturdy cantilever structure. Above the main deck, the dominant elements are the huge LASH crane, the container crane, and the twin stacks and houses set hard against the sides of the vessel, some one-third of the length from the stern.13

The ship was designed for a high service speed and has fine lines fore and aft as well as a protruding bulb bow. Short but deep bilge keels are fitted to reduce roll, and the ship carries passive anti-roll tanks. The hull is longitudinally framed except near the bow to provide deep open holds without intervening decks. Longitudinal bulkheads outboard of the holds serve as side tanks.14

As originally built, the ship provided dayroom, bedroom, and bath accommodations for the master, chief mate, chief engineer, and first assistant engineer; combined dayroom/bedroom plus bath accommodations for the other officers; and private cabins for the balance of the crew, with private baths for senior ratings and semi-private for junior ratings. During periods of activation with Military Sealift Command, the ship had a crew of 24.15

The ship is powered by two Babcock & Wilcox boilers supplying two DeLaval steam turbines geared to a single shaft and a single, 23'-diameter, four-bladed screw. Maximum shaft horse power when new was 32,000 at 105 rpm. Service speed was 22.5 knots. The ship was not built with additional horsepower for national defense purposes. Steering is through a semi-balanced rudder carried on a horn.16

Ship’s electrical service is supplied by two turbogenerators, one of 2,500 kW capacity powered by steam, and a second diesel generator with 2,000kW capacity. The ship has one evaporator with a capacity of 25,000 gallons per day.

_Cape Florida_ can transport between 71 and 77 standard cargo barges or about 840 containers. The ship has three 110'-long cargo holds forward of the engine room and two shorter holds aft of the engine room. The lighters can be stacked as much as four high in the holds. Thirteen 57-ton watertight steel pontoon hatch covers and one 81-ton two-panel folding hatch cover secure the lower holds. The ship is self-loading and unloading, with a 446-ton-capacity traveling gantry crane for barge handling and a 30-ton-capacity traveling crane for container handling. The ship also has two 5-ton cargo

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14 Details of the ship’s construction and equipment from “LASH Italia, First U.S.-Built Barge Carrier Completed,” _Marine Engineering / Log_ (January 1971), 37–41, 80.
16 Polmar, _Naval Institute Guide_, 310; Dillon, “Forty Years of Ship Designs,” 206.
cranes. In normal operation, the ship can load or discharge a lighter in about 20 minutes.\textsuperscript{17}

Two 50-person-capacity lifeboats are carried on davits on either wide of the deckhouse.

\textbf{Historical Integrity}

The overall condition of \textit{Cape Florida} is good; it has experienced only normal wear and aging for a vessel of its age. The ship did not undergo any substantial modifications during its service life and it has retained much of its original form and its overall historical integrity.

\textbf{Statement of Significance}

The LASH concept was developed by naval architect Jerome L. Goldman of Friede & Goldman, Inc., of New Orleans. \textit{Cape Florida} was the second in a flight of 11 identical LASH ships built at Avondale Shipyards, Inc., New Orleans. These were the first LASH ships ordered for construction anywhere in the world, although two LASH ships built in Japan for Norwegian owners were the first to enter service.

The ship activated for service during Operations \textit{Desert Shield/Desert Storm}, where it, along with 79 others MARAD vessels, provided war materiel in support of U.S. and coalition forces. It also activated for use in Operation \textit{Iraqi Freedom} in 2004–05.

\textbf{National Register Eligibility Statement}

\textit{Cape Florida} is not 50-years-old and it does not possess the extraordinary historical significance necessary under Criteria Consideration G or in any category necessary to be eligible for listing on the National Register of Historic Places. While it did participate in \textit{Desert Shield/Desert Storm} in 1990-91 it was one of 79 RRF vessels activated by the navy to support those operations and its role was not significant enough to qualify under Criteria A, particularly considering the recent nature of those operations.

\textbf{Date: 29 March 2018}  
\textbf{Determination: NOT ELIGIBLE}

\footnotesize{\textsuperscript{17} Joseph S. Helewicz, “Lash Italia’s first docking receives no fanfare here,” \textit{Baltimore Sun}, Jan. 9, 1971, B7}
Sources


Annual Reports of the Maritime Administration. Various years (1966–present).


Gerhardt, Frank A. “Title V New Construction Contracts, for period beginning July 1st 1957.” Chart reproducing financial data from the Records of the Maritime Administration (RG 357), National Archives and Records Administration, College Park, Md.


*Lloyd's Register of Ships*. Various years (1963–present).


“Ready Reserve Force (RRF) Ship Manager.”

“RRF Activation Summary (Desert Shield / Desert Storm).” Maritime Administration files, Washington, D.C.


