

WILSON COVE FLOATING DOCKS

SAN CLEMENTE ISLAND, CALIFORNIA

► OWNER

U.S. Navy

► CLIENT

SCORE Division
NAS North Island
P.O. Box 357086
San Diego, CA 92135-7086

► DATE OF COMPLETION

Professional Services: 2006

► PROJECT COST

Professional Services: \$718,000



Shortly after construction of the Navy's new pier in Wilson Cove on San Clemente Island, it became evident that the pier did not have sufficient berthing facilities for support of the watercraft that typically used the facilities. Attempts to improve small-boat access and safety during loading and fueling of small boats at Wilson Cove Pier were eventually abandoned due to the harsh environment and unreliable sea conditions in Wilson Cove. TerraCosta was the primary contractor for design and installation of a new 12-foot-wide by 50-foot-long floating dock system installed adjacent to the pier. TerraCosta's work included the engineering, design, installation, and testing of anchor piles; installation of the SeaFlex mooring system, which holds the floating dock in position, installation of the foundation for a new jib crane for support of the dock, installation of a brow to access the new floating dock, and installation of four small-boat moorings.

This project was extremely challenging in that the new dock and mooring systems had to be designed to not only perform in the normally harsh marine environment, but also to survive the heavy sea conditions commonly experienced in Wilson Cove. After only a few months of being in service, the floating dock project has proved to be a big success and is very popular with the personnel that use it, improving comfort and safety during loading, unloading, and fueling of the small boat crews that visit Wilson Cove during training exercises.