

Environmental Engineering

Ben C. Gerwick, Inc. has been at the forefront of marine construction for more than 75 years, and is well known for its marine engineering services and inventive solutions to difficult problems encountered in marine environments.

Gerwick's innovative construction techniques are well-suited to the open ocean, coastal waters, wetlands, lakes and inland waterways, and work to reduce adverse impact to the environment. One example is *float-in* construction, which allows structures to be built off-site, and thereafter floated-in and set-down in one operation with

minimal impact to the environment.

The *float-in* method is particularly well suited for inland waters, lakes and wetland areas where the incorporation of water control structures can be utilized to preserve the fragile ecosystem.

Through our devotion to innovative engineering and construction, and awareness of the environment, Ben C. Gerwick, Inc. is capable of bridging the gap between traditional heavy construction and preservation of the environment.

Construction in environmentally sensitive areas often demands that adverse effects are completely eliminated, which can be difficult to attain with traditional construction methods.

Ben C. Gerwick, Inc. seeks to provide solutions that preclude adverse effects, and when possible, solutions that are beneficial to the environment, like artificial reef structures, coral reef restoration, and salinity barriers for preservation of tidal deltas and wetland areas.

Recent Projects:

Fish Protection Structures:

- Fish Bypass, Rocky Reach Dam, Chelan County, WA
- Fish Bypass, Bonneville, OR
- Fish Protection Sound Attenuation Casing, Benicia-Martinez Bridge, CA

Reef Restoration:

- Miami, Florida Keys National Marine Sanctuary, FL
- Looe Key, Florida Keys National Marine Sanctuary, FL
- Molasses Reef, Key Largo, FL

Wetlands:

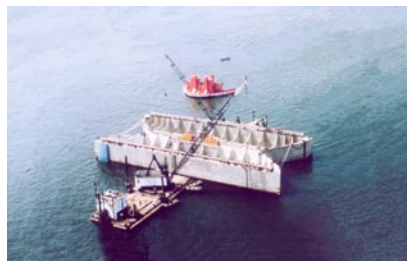
- Hamilton Wetlands, San Rafael, Marin County, CA
- The Skjern River and Wetlands Restoration Project, Denmark

Water Control Structures:

- Salinity Control Structure, Suisun Bay, CA
- Temperature Control Device, Shasta Dam, CA
- Intake Velocity Cap, St. Lucie Power Plant, FL



Restoration of 8.5 sq.mi. of wetlands, Skjern River.



Float-in of structure pre-fabricated offsite.



Coral reef restoration in the Florida Keys National Marine Sanctuary, FL.



Salinity control structure, Suisun Bay, CA.