



ST PAUL SMALL BOAT HARBOR, CENTRAL BERING SEA FISHERMAN'S SEA ASSOCIATION

St. Paul Island, AK

PROJECT DESCRIPTION

The Central Bering Sea Fisherman's Association contracted Dutra to design and construct a small boat harbor on St. Paul Island, located in the Bering Sea off the west coast of Alaska, a region known for rough waters and brutal winters. The harbor supports local fishing and must be able to withstand the area's harsh environmental conditions. The final design included fabrication and installation of a pre-stressed/precast concrete boat launch ramp, launch floats, and abutments, in addition to installation of gangways, anchor systems and marina floats.

MAJOR CHALLENGES

The harbor floats must allow for disassembly and upland storage each winter. Dutra worked under a tight schedule to allow for a trial demonstration installation before removing the floats and storing them upland until spring when they were reinstalled again.

PROJECT HIGHLIGHTS

The Coasts, Oceans, Ports and Rivers Institute awarded Central Bering Sea Fisherman's Association "The Project Excellence Award - Large Project" to St Paul, AK

PROJECT SCOPE

- Precision Dredging
- Design of pre-fabricated small anchor unites that were later combined into larger units on site resulting in cost savings.
- Pre-stressed concrete elements built specifically for the St. Paul site and transported through rough waters.
- The float system featured heavy-duty float modules.
- Armor rock slope protection.
- Shoreline protection.
- Demolition and replacement of existing breakwater.
- Precision rock placement up to half ton.



FLOATING DOCK



DOCK TRANSPORT



INSTALLATION OF DOCK SYSTEM

CLIENT

USACE-Alaska
 Central Bering Sea Fisherman's Association,
 St. Paul Island, AK

CLIENT CONTACT

Ze Jong,
 Resident Engineer
 P 907.753.2053

PROJECT NUMBER

9133

CONSTRUCTION

NTP May 2009
 Completion Oct. 2010
 (18 months ahead of schedule)

VALUE

\$19.2 Million

SAFETY ISSUES ENCOUNTERED

None