

# PROJECT PROFILE



## Trident Seafoods piling repair, Ketchikan, AK

Client: Trident Seafoods    Completion: June 2009

Contractor: Enviro-Tech Diving, Seattle, WA

**Product: Fox Industries - FX 70® System**

**Challenge:** Trident Seafoods fish processing facility, a 45,000 sq ft plant built over 60 years ago in Ketchikan, Alaska is situated on timber piles. Many piles had deteriorated through age and marine borers. These supporting timber piles needed replacement or other suitable repair. **Constraints:** Pile replacement was an expensive option. The facility's structures and machinery sit atop the piles, and besides financing the construction itself, the high cost of interrupting operations during pile replacement would have been too costly. **Solution:** Structurally restore damaged piles in place using the Fox Industries FX 70® System.

***Fox Industries FX 70® System is specifically designed for this type of challenge. Installation requires no specialized equipment nor product-specific labor: the System has proven its value on thousands of projects in various climates and seas worldwide.***

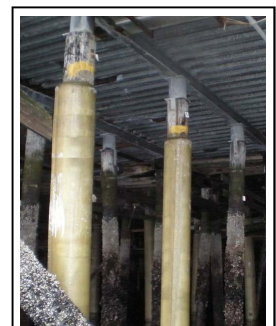


Pumping port on FX 70® pile jacket

**How it works:** A pile is repaired through reinforcement with a permanent outer fiberglass jacket, custom manufactured from inert, corrosion-free materials. Each jacket is positioned on a pile, its vertical seam secured by **FX 763 Trowel Grade Epoxy** and SS Screws, and then a bottom seal is installed of **FX 70-6 MP Marine Epoxy**. After setting (minimum 12 hours) the annulus is filled with **FX 225 Cementitious Non-Shrink Non-Metallic Underwater Grout**. This grout is pumped through strategically-placed pumping ports pre-positioned on the jacket.

Once the annulus is filled, **FX 763 Trowel Grade Epoxy** is used to top-level the jacket.

**Why use the FX 70® System:** 1) Repair of the timber pile restores the pile to its original or greater structural capacity. 2) Repair process does not interrupt the use of the structure. 3) This system has been in use for over thirty years, constantly being improved by advances in technology and practical application from contractors.



Piles repaired by **FX 70® System**, amidst unrepaired piles

**For information on Fox Industries FX 70® System or this project visit [www.schraderco.com](http://www.schraderco.com)**  
Schrader Co. presents **environmentally-conscious products** for the industrial marine market and other applications for a variety of uses including piers, wharves, marinas, bridges, boardwalks, and seawalls.