

USCG Dock Demolition Juneau, Alaska

by Katy McKerney, SE Lands Manager





Heavy equipment and a job container are placed into position for the project.

- About one acre of Mental Health Trust Land, known as the Subport, was leased for one month (April 10-May 11, 2012) to the U.S. Coast Guard.
- The land was used to stage the heavy equipment needed to access and deconstruct an old dock and to store pilings and decking.



Trucano Construction Co. was contracted to operate the crane.

ANC Northern JVC LLC represented the U.S. Coast Guard and three sub-contractors were hired to carry out the dock demolition.

Sub-contractors

The Alaska Native Association was a sub-contractor. Shown below is the operator of the back hoe and dump truck.

On the left is Loren, Superintendent of the job, for Northern Management Services. On the right is Sheb, crane operator for Trucano Construction Co.





Pilings that have been pulled out.

Each piling was buried deep into the marine substrate. Once pulled out, the total length of a piling is about 60 feet long.



Crane operator and deck hand work together to clench down on a piling with this device.

The piling is pulled out of the substrate by first grabbing it. Once secured, the piling is vigorously vibrated to loosen it for easier removal.



A better view of the apparatus used to grab pilings.



Marine substrate discolors the water due to the vibratory motion of the piling.



The crane lifts a piling.



The deck during the demolition process.



A piling just pulled out of the water.

Visible here is a clear distinction between the creosote coating that has been buried in the substrate, on the left side, versus the remnant creosote on the right side, that has been worn off due to the elements.



Hydrocarbon sheen visible due to fresh creosote being re-exposed to the water.

Creosote heavily coats some of the pilings.





Pilings accumulate.



Debris lands in the water and on the beach that must be removed.



A piling slipped and landed on the debris boom.



A Chatham Electric truck parked on the Subport, during dock demolition, and was asked to be moved by Trust staff.



Sections of dock are removed piece by piece as the project nears completion.



The last of the decking support beams to be removed.



Views of the beach that is under the old dock. Pilings closer to the shore are cut off as opposed to being removed.



Concrete wall, about eight ft. high, is fully exposed after the dock is removed. Tide line can also be seen here.

(View to the west and Gastineau Channel)



View of the beach looking to the east towards the Coast Guard station.



Metal ramp that used to adjoin the old dock, now ends with about a 10 foot drop.



The Authorized Use Area after the final clean-up.

The terms and conditions of the license were satisfactorily met.