



U.S. Army Corps
of Engineers
Alaska District

ALASKA BASELINE EROSION ASSESSMENT

Erosion Information Paper - Iliamna, Alaska

Current as of February 23, 2009

Community Information

Iliamna (ill-ee-AM-nuh), population 93, is on the northwest side of Iliamna Lake, 225 miles southwest of Anchorage and near the Lake Clark Park and Preserve. The community is unincorporated in the Lake and Peninsula Borough. Iliamna Lake is about 80 miles long and 25 miles wide. The Iliamna dock is used by commercial barges and subsistence fisherman.

Description of Erosion Problem

The shoreline may be eroding in the dock landing area as a result of wave action. Storm-driven waves in the fall reportedly approach 6 feet high at the dock.

Potential Damages

A Corps 2005 *Site Visit Memorandum* states the only structure with erosion damage is the Iliamna dock. The dock is a bolted-sheet structure backfilled with pit-run cobble and gravel. Previously, the concrete and sheeting on both ends of the dock have been damaged by waves entering the bay from the east. In 1991, the gravel along the outer edge of the dock was capped with a reinforced concrete surface about 20 feet wide and 10 to 12 inches thick with 1½ inch wide wooden expansion joints. Fill for the damaged areas consisted of washed-out reclaimed material, ranging in size from gravel to boulders. Boats were severely damaged in past years with a few vessels damaged beyond practical repair (cost: \$40,000 each).

The community is concerned about exposed rebar at dock erosion site when kids jump off it in the spring.

Photos and Diagrams

Photos of erosion provided by the Corps from the 2005 *Site Visit* are attached. No diagram has been prepared for this community at this time.

References

USACE. 2005. *Memorandum for record: Iliamna Site Visit, 10 May 2005*. Alaska District, U.S. Army Corps of Engineers.

Additional Information

This information paper, as well as those for other communities, can be accessed on the internet at www.alaskaerosion.com. For more information please contact the Corps of Engineers, project manager at (907) 753-5694 or email Alaska.Erosion.POA@usace.army.mil



Photo 1: Storms causing waves on Iliamna Lake have caused extensive damage to both the dock and mooring vessels, photo courtesy of Alaska District Corps of Engineers, 2005.



Photo 2: Aerial view of the Iliamna dock, photo courtesy of Alaska District Corps of Engineers, 2005.