



U.S. Army Corps
of Engineers
Alaska District

ALASKA BASELINE EROSION ASSESSMENT

Erosion Information Paper - Angoon, Alaska

Current as of February 27, 2009

Community Information

Angoon (an-GOON), population 482, is the only permanent settlement on Admiralty Island. It is on the southwest coast of Kootznahoo Inlet 55 miles southwest of Juneau and 41 miles northeast of Sitka. The community is incorporated as a 2nd class city in the unorganized borough.

Description of Erosion Problem

The Angoon IRA President reported, the road in front of the community and the associated infrastructure is jeopardized due to fall/winter storms, to include power lines, water lines, and wastewater lines. The dock in front of town has some surface erosion and is not safe for vehicles or foot traffic in some places. Roads are eroding throughout the community due to lack of proper drainage. The ferry terminal is continually eroding and fine sediment is building up underwater. The graveyard resulting from community members hauling sand out of the area for burials and other uses, the community does not consider that this requires any protective measures.

Potential Damages

No areas were reported at risk. The Alaska Department of Transportation and Public Facilities 1984 *Task Force on Erosion Control Final Report* states treating erosion between the Angoon city dock and ferry terminal, where deterioration of the fill had been evident. The city completed an erosion control project in an area under the city dock area in 1984 using funding from an appropriation of \$264,300 from the Alaska Legislature.

The Angoon IRA President mentioned that the Inside Passage Coop (IPEC) had to install 2 dolphins at the end of the seaside dock to prevent it from being torn down when oil was delivered to the tank farm for the power plant. The community is suggesting armor plating for reinforcing the road in the front of the community and replacement of the ramp at the dock in front of town. The community is also interested in replacing the culverts throughout and restructuring the Angoon Ferry Terminal for a better approach in loading and off-loading passengers and vehicles.

Photos and Diagrams

Photos of the Angoon waterfront are attached. Also, attached is a diagram of Angoon.

References

Alaska DOT/PF. 1984. *Task Force on Erosion Control Final Report.* State of Alaska, Department of Transportation and Public Facilities.

SOA. DCRA. 1972-1991. *State Legislative Appropriations for Flood and Erosion Control.* State of Alaska, Division of Community and Regional Affairs.

USACE. 2008. *Alaska Community Erosion Survey, OMB approved number 07100001,* expires September 30, 2009 administered to Albert Howard, Angoon mayor, on March 17, 2008.

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: Angoon waterfront; photo© courtesy of Nicole Grewe, DCRA, 2006.



Photo 2: Angoon waterfront; photo© courtesy of Nicole Grewe, DCRA, 2006.



Photo 3: Angoon city dock; photo© courtesy of Nicole Grewe, DCRA, 2006.



CHATHAM STRAIT

KOOTZNAHOO INLET

Date of Aerial Photo: 21 May 04



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