

Kake Harbor

Condition of Improvements
31 December 2022
Kake Harbor, Alaska
(CWIS No. 072739)

Authorization Rivers and Harbors Act, 13 August 1968 (Senate Doc. 249, 75th Congress, 1st Session) as adopted, provides for a 1,580 foot long west breakwater and a 900 foot long south breakwater enclosing a 7 acre berthing area at -15 feet MLLW.

Table 1

Existing Project	Length ft.	Width ft.	Height ft.
Breakwater	1240	Varies	22-25

Project Usage Fishing vessels find moorage at Portage Cove Harbor, a site 3 miles from town, protected by the new permanent Federal breakwater and a state maintained floating breakwater.

Progress of Work

1971	Pre-construction planning is initiated; field surveys are completed.
1972	Foundation and materials investigations begin.
1976	Pre-construction investigations reveal poor foundation conditions resulting in project re-evaluation and reformulation.
1979	Additional field investigation verifies poor subsurface conditions. The project is modified to include a 1,150 foot long west breakwater with a 960 foot shoreward access causeway and a 1,050 foot long floating south breakwater.
1980	Sampling and testing of bottom sediments is conducted.
1982	Plans and specifications are completed.
1983	A wind monitoring station is set up in June, and an aquatic biological study is initiated.
1986	The biological study is completed and wind data collection continues.
1991	Wind data is evaluated.
1994	A geophysical investigation is conducted at the Portage Cove harbor about 3 miles from the town site.

Progress of Work

1996	A General Reevaluation Report is issued in July covering possibilities at the Portage Cove site.
1998	Breakwater construction begins at Portage Cove.
2000	The breakwater is completed in October.
2009	CEPD required NOAA Tidal Determination performed at harbor.
2010	A project condition survey was accomplished in July. USACE Comprehensive Evaluation of Project Datums” Compliance report completed and recorded in September.
2016	A project condition survey was accomplished in July.
2021	A project condition survey was accomplished in June.

Table 2 Cost to Date

Project	Description	Cost \$
072739	GI PED Appropriation	273,151
	GI PED Costs	273,151
	CG Appropriation	16,021,585
	CG Costs	16,021,094
	CG Contributed Appropriation	1,971,000
	CG Contributed Costs	1,971,000

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 1528 Kake Harbor, Keku Strait AK	11.81	14.24	-

NOAA Publication Date: 04/19/2010

Kake Harbor, Kake, Alaska



Oblique of Kake Harbor, April 2016



Kake Harbor and Breakwater, June 2021