

Pelican Harbor

Condition of Improvements

30 December 2019

Pelican Harbor, Alaska

(CWIS No. 072758)

Authorization Rivers and Harbors Act, 2 September 1954 (House Doc. 501, 83rd Congress, 2nd Session) as adopted, provides for a small boat basin 250,000 square feet in area (5.74 acres) to a depth of -12 feet MLLW, protected by a breakwater 1,000 feet long.

Table 1

Existing Project	Length ft.	Width ft.	Depth ft.
Entrance Channel	950	varies	-12
Basin	5.74 acres		-12
Breakwater	1000		

Project Usage The small boat basin provides protection for 165 vessels based in the area; fishermen supply the processing plants with salmon and halibut. Fishery production is the only industry in this community.

Progress of Work

1957	The basin is dredged to project depth during October by removal of 106,506 cubic yards of material; suitable material is placed as the core of the breakwater.
1958	Construction of the breakwater continues with quarry run spalls placed over the core and armor rock placed on the seaward side and around the end. Construction of the breakwater is completed in March.
1964	A field survey conducted during fiscal year 1964 reveals that breakwater repair is not required.
1991	A condition survey is conducted in August.
1999	The condition of the project is checked by hydrographic survey in May.
2003	Vertical and oblique aerial photography is taken in May, followed by a hydrographic survey later in the month
2007	A project condition survey was conducted in May.
2009	CEPD required NOAA Tidal Determination performed at harbor.

Progress of Work

2011	A project condition survey was conducted in July.
2012	USACE Comprehensive Evaluation of Project Datums (CEPD) Compliance report completed and recorded in September.
2015	A project condition survey was completed in July.

Table 2 Cost to Date

Project	Description	Cost \$
072758	CG Costs	396,683
	O&M	37,532

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 2611 Pelican Harbor, Lisianski Inlet AK	8.27	10.61	-

NOAA Publication Date: 05/19/2010

Controlling Depth In 2015, project depth is effectively available throughout the Federal portion of the basin, with the exception of minor shoaling on the northeast side near the breakwater.

Pelican Harbor, Pelican, Alaska



Oblique of Pelican Harbor, July 2015



Pelican Harbor, July 2011