

Port Alexander

Condition of Improvements

31 December 2022

Port Alexander, Alaska

(CWIS No. 072761)

Authorization (1) Rivers and Harbors Act, 3 July 1930 (House Doc. 106, 70th Congress, 1st Session) as adopted, provides for the removal of ledge rock to create a channel 150 feet wide at a depth of 15 feet below MLLW for the main entrance, and a channel 40 feet wide at a depth of 2 feet below MLLW for the entrance to the inner lagoon. (2) Rivers and Harbors Act, 2 March 1945 (House Doc. 578, 76th Congress, 3rd Session) as adopted, provides for increasing the depth of the inner channel to 6 feet below MLLW. (3) The inner channel was not deepened; the authorization for additional depth was deauthorized under Section 12 of Public Law 93-251, 7 March 1974.

Table 1

Existing Project	Length ft.	Width ft.	Depth ft.
Outer Channel	690	150	-15
Inner Channel		40	-2

Project Usage The two channels give access to a natural harbor area capable of serving 200 vessels. The present project is considered adequate since fish resources in the area have declined and do not warrant additional facilities. Port Alexander is also an important harbor of refuge.

Progress of Work

1931	Both channels are dredged to their respective project depths
1945	Additional depth is authorized for the inner channel.
1949	The last full report on the project indicates that the original project depths are available, and no new work is scheduled.
1977	Additional improvement to the inner channel is de-authorized under Section 12 of Public Law 93-251, 7 March 1974.
1992	The condition of the outer channel is checked by hydrographic survey in July.
1999	A condition survey is conducted in June.
2005	A condition survey is conducted in May, vertical and oblique aerial photography are taken in April.
2011	A project condition survey was conducted in July.

Progress of Work

2012	USACE Comprehensive Evaluation of Project Datums (CEPD) Compliance report completed and recorded in September.
2016	A project condition survey was conducted in July.
2021	A project condition survey was conducted in June.

Table 2 Cost to Date

Project	Description	Cost \$
072761	CG	17,000
	O&M	594

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 1054 Port Alexander, Baranof Island AK	8.64	10.94	19.22

NOAA Publication Date: 12/15/2020

Controlling Depth Project depth is effectively available throughout project limits of the outer channel, June 2021. The controlling depth is -3.6 feet just North of the midpoint of the West project boundary. *No current data on entrance channel.*

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Northwest oblique of Port Alexander, July 2016



Entrance to Port Alexander, July 2016