

Unalaska Iliuliuk Channel

Condition of Improvements 31 December 2022 **Unalaska Iliuliuk Channel, Alaska** (CWIS NO. 072796)

Authorization The Rivers and Harbors Act, 20 June 1938 (House Doc. 543, 75th Congress, 3rd Session) as adopted, provides for the removal of Tuscarora Rock and the southern extremity of Iliuliuk Reef to create an entrance channel not less than 350 feet wide to a depth of -25 feet MLLW.

Table 1

Existing Project	Length	Width	Depth
Channel	950'	350'	-25

Project Usage Straightening and deepening of the east channel approach into Iliuliuk Harbor allows larger vessels to discharge freight directly at Unalaska, eliminating re-handling and lightening of cargo from Dutch Harbor. Unalaska is the principal port of the Aleutian Islands. The economy is based on fish processing, primarily shrimp and other varieties of shellfish.

Progress of Work

1940	The current project dimensions are achieved by removal of rock from the site.
2002	A condition survey of the project is accomplished in July.
2006	A condition survey is completed in July, and aerial photography is taken in May.
2010	A project condition survey was conducted in July.
2012	CEPD Compliance Report completed and recorded in September.
2014	A project condition survey was conducted in June.
2019	A project condition survey was conducted in May.

Table 2 Cost to Date

	New Work	Maintenance	Total
72796	\$66,037	\$1,800	\$67,837

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
946 2620 Unalaska, Dutch Harbor AK	2.39	3.60	9.48

NOAA Publication Date: 06/17/2019

Controlling Depth A minimum depth of -10.6 feet MLLW was found at the northwestern end of the channel in May 2019.

Iliuliuk Channel, Unalaska, Alaska



Oblique of Iliuliuk Channel, July 2014.



Iliuliuk Channel, July 2014.