

Hoonah Harbor

Condition of Improvements
31 December 2022
Hoonah Harbor, Alaska
(CWIS No. 076001)

Authorization The project for construction was approved under Section 201 of the Flood Control Act of 1965 (P.L. 89-298 dated 27 October 1965), House Document No. 92-200 (92nd Congress, 2nd Session), and by resolutions of the Senate and House Public Works Committees adopted 12 October 1972. The project provides for a small boat basin of approximately 15.5 acres in area with varying local project depths; an entrance and maneuvering channel 100 feet wide and 400 feet long, widening to 150 feet for 600 feet along the western edge of the basin which were initially constructed by over dredging to -18.5 feet. The project depth is -16 feet. The project provides for three rubble-mound breakwaters of 140 feet, 800 feet, and 1,459 feet in length, and one rubble-mound diversion dike 1,165 feet long.

Table 1

Existing Project	Length ft.	Width ft.	Depth ft.
Entrance Channel	400	100	-16
Maneuvering Channel	600	150	-16
Basin (State maintained)	900	700	-12,-15,-18
Entrance Breakwater	140		
North Breakwater	800		
West Breakwater	1507		
Diversion Dike	1165		

Project Usage The project provides protected moorage for 105 local and transient commercial fishing boats with provision for expansion to 225 boats. Fishing (seining and trolling) and fish processing are important parts of the Hoonah economy.

Progress of Work

1978	Plans and specifications are complete. Project is waiting for construction funds.
1979	Construction commences on 15 June.
1980	New work is successfully completed in September.
2002	The condition of the project is checked by hydrographic survey in April of this year.
2003	Vertical and oblique aerial photography is obtained in May.
2009	A tide gauge is installed in the fall to take observations for a tidal datum update
2010	A project condition survey was completed in August.
2012	“Comprehensive Evaluation of Project Datums” Compliance report completed and recorded in September.
2014	A project condition survey was completed in August. The total material available to Project Depth in the entrance channel is 1,600 CY.
2022	A project condition survey was completed in August.

Table 2 Cost to Date

Project	Description	Cost \$
076001	CG Appropriation	4,255,000
	CG Costs	4,255,000
	CG Contributed Appropriation	1,163,194
	CG Contributed Costs	1,163,194

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 2438 Hoonah, Port Fredrick AK	12.52	15.01	-

NOAA Publication Date: 06/27/2018

Controlling Depth In August of 2022 most of the entrance channel is at project depth although points near the western edge as the channel enters the harbor are as high as -15 feet MLLW.

Hoonah Harbor, Hoonah, Alaska



Oblique of Hoonah Harbor, August 2014



Hoonah Harbor Entrance Channel, August 2022