

Larsen Bay

Condition of Improvements
30 December 2019
Larsen Bay, Alaska
(CWIS No. 087495)

Authorization Section 107 of the River and Harbor Act, 14 July 1960, Public Law 86-645, 33 U.S.C. 577, 1986, as amended, provides for the construction of a mooring basin, entrance channel, and necessary protective features not to exceed \$4,000,000 in federal funds.

Table 1

Existing Project	Length ft.	Width ft.	Depth ft.
Entrance Channel	720	75	-14
Mooring Basin	620	255	-12
Northeast Breakwater	160	varies	-
Northwest Breakwater	610	varies	-
Southwest Breakwater	200	varies	-

Project Usage Larsen Bay is a traditional Alutiiq settlement practicing a commercial fishing and subsistence lifestyle. Located on the western coast of Kodiak Island, it is 60 miles west southwest of the City of Kodiak and 283 miles southwest of Anchorage. The completed project provides protected moorage for both resident and transient fishing vessels with drafts up to 10 feet. All transportation to the community is by air or water.

Progress of Work

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- 1985 Pre-engineering and design work begins.
 - 1997 A Project Cooperation Agreement is signed in May. A construction contract is awarded.
 - 1998 Construction of the dikes is completed. Dredging of the entrance channel begins.
 - 1999 The project is physically completed.
 - 2006 Aerial photography is taken in May.
 - 2009 A tidal datum update and project condition survey are conducted in August and September.

Progress of Work

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- 2010 Comprehensive Evaluation of Project Datums (CEPD) Compliance report completed and recorded in September.
- 2015 A project condition survey was conducted in August 2015.

Table 2 Cost to Date

Project	Description	Cost \$
087495	CG Appropriations	4,000,000
	CG Costs	4,000,000
	CG Contributed Appropriations	1,341,948
	CG Contributed Costs	1,341,948

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 7724 Larsen Bay, Kodiak AK	11.20	13.74	-

NOAA Publication Date: 05/19/2010

Controlling Depth In August of 2015 the project depth is effectively available throughout the entrance channel. In the basin with a project depth of -14 feet MLLW, some edges are above project depth, with the shoal depth of -11.6 feet MLLW. In the interior basin with a project depth of -12 feet MLLW, the shoal depth is -11.9 feet MLLW near the floats and -7.2 feet MLLW in the southeast corner.

Larsen Bay, Kodiak Island, Alaska



Oblique of Larsen Bay, 2015



Larsen Bay, April 2015