

Ketchikan Mountain Point Breakwater

Condition of Improvements
 31 December 2019
Mountain Point Breakwater
Ketchikan, Alaska
 (CWIS No. 087583)

Authorization River and Harbor Act, 14 July 1960 (under Section 107, Public Law 86-645, House Resolution 7634, 86th Congress) as adopted, provides for the construction of a 424 foot rubble-mound breakwater to protect the existing boat ramps, float, and vessels using the facility.

Table 1

Existing Project	Length ft.	Width ft.	Height ft.
Breakwater	424	varies	22

Project Usage Improvement of the existing facility enables small boats to access the ramps during adverse conditions and thus avoid possible loss of life and damage to property. Mountain Point is a residential community about 5 miles southeast of Ketchikan.

Progress of Work

1986	Ketchikan Gateway Borough requests study of a Mountain Point breakwater.
1991	Final Detailed Project Report and Environmental Assessment are submitted in February.
1992	Plans and specifications are completed. A cost sharing agreement is finalized with the Ketchikan Gateway Borough on 10 September (80% Federal, 20% local). The construction contract is awarded in December.
1993	Construction begins in February and the project is completed in July. An additional four feet of armor stone was added as a cap to the original breakwater to protect the small boat launch area during extreme high water and storm events.
1998	The breakwater and waters in the immediate vicinity are surveyed in March.
2004	The most recent condition survey is conducted in July.
2005	Oblique aerial photography is taken in April.
2012	A condition survey is conducted in July.
2013	Comprehensive Evaluation of Project Datums (CEPD) Compliance report completed and recorded in February.

Table 2 Cost to Date

Project	Description	Cost \$
087583	CG Appropriation	761,200
	CG Costs	761,200
	CG Contributed Appropriation	211,014
	CG Contributed Costs	211,014

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 0460 Ketchikan AK	12.97	15.45	26.57

NOAA Publication Date: 09/27/2011

Controlling Depth In July of 2012 a depth of -4.1 feet MLLW controls in the channel (non-federal) to the boat ramps.

Mountain Point Breakwater, Alaska



North oblique of Mountain Point Breakwater, April 2005



Southwest oblique of Mountain Point Breakwater, April 2005