

**MOUNTAIN POINT
BREAKWATER**

MOUNTAIN POINT, ALASKA
(CWIS NO. 87583)

Condition of Improvement 30 September 2012

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 rubblemound breakwater to protect the existing boat ramps, float, and vessels using the facility.

EXISTING PROJECT:	<u>LENGTH</u>	<u>HEIGHT</u>	<u>WIDTH</u>
• Breakwater	424 ft	22 ft	Varies
		(top of cap rock)	

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:

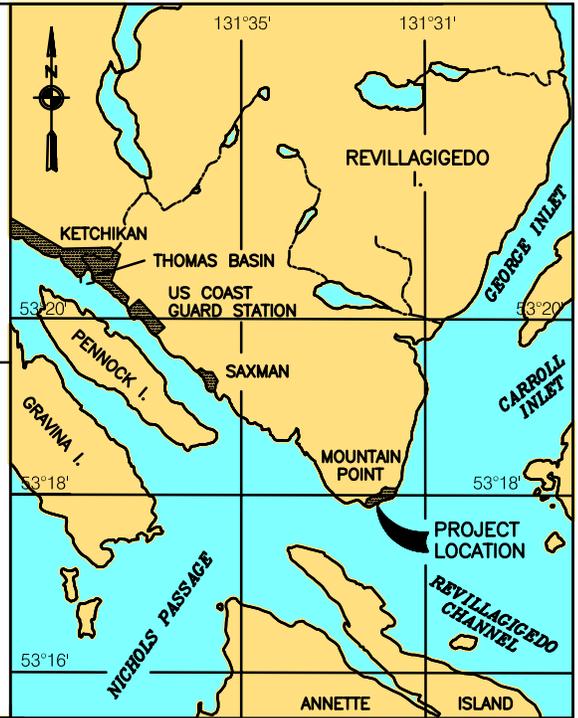
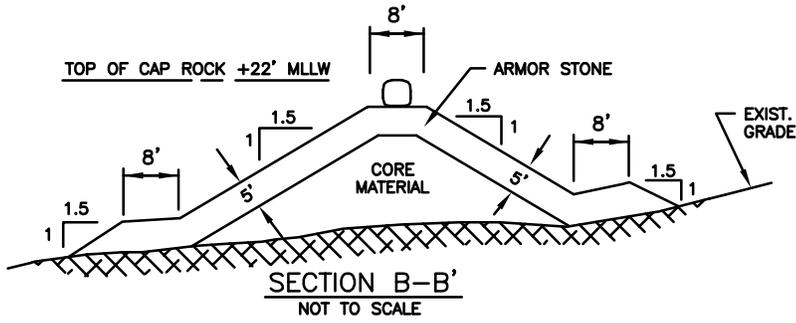
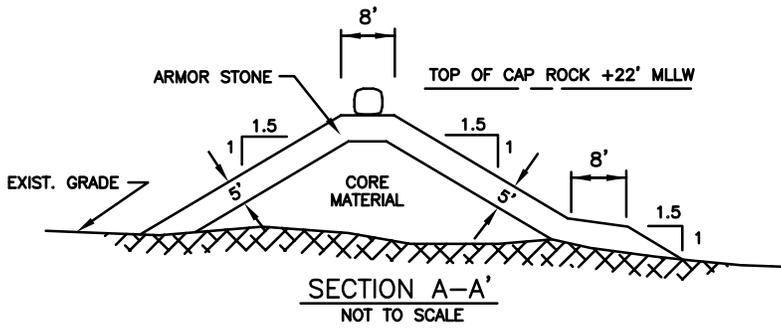
- 1986 - Ketchikan Gateway Borough requests study of a Mountain Point breakwater.
- 1991 - Final Detailed Project Report and Environmental Assessment are submitted in February.
- 1992 - Plans and specifications are completed. A cost sharing agreement is finalized with the Ketchikan Gateway Borough on 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.

COST TO DATE:

CG Appropriation	\$761,200
CG Costs	\$761,200
CG Contributed Appropriation	\$211,014
CG Contributed Costs	\$211,014

RANGE OF TIDE:	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
	12.4'	15.4'	20.0'

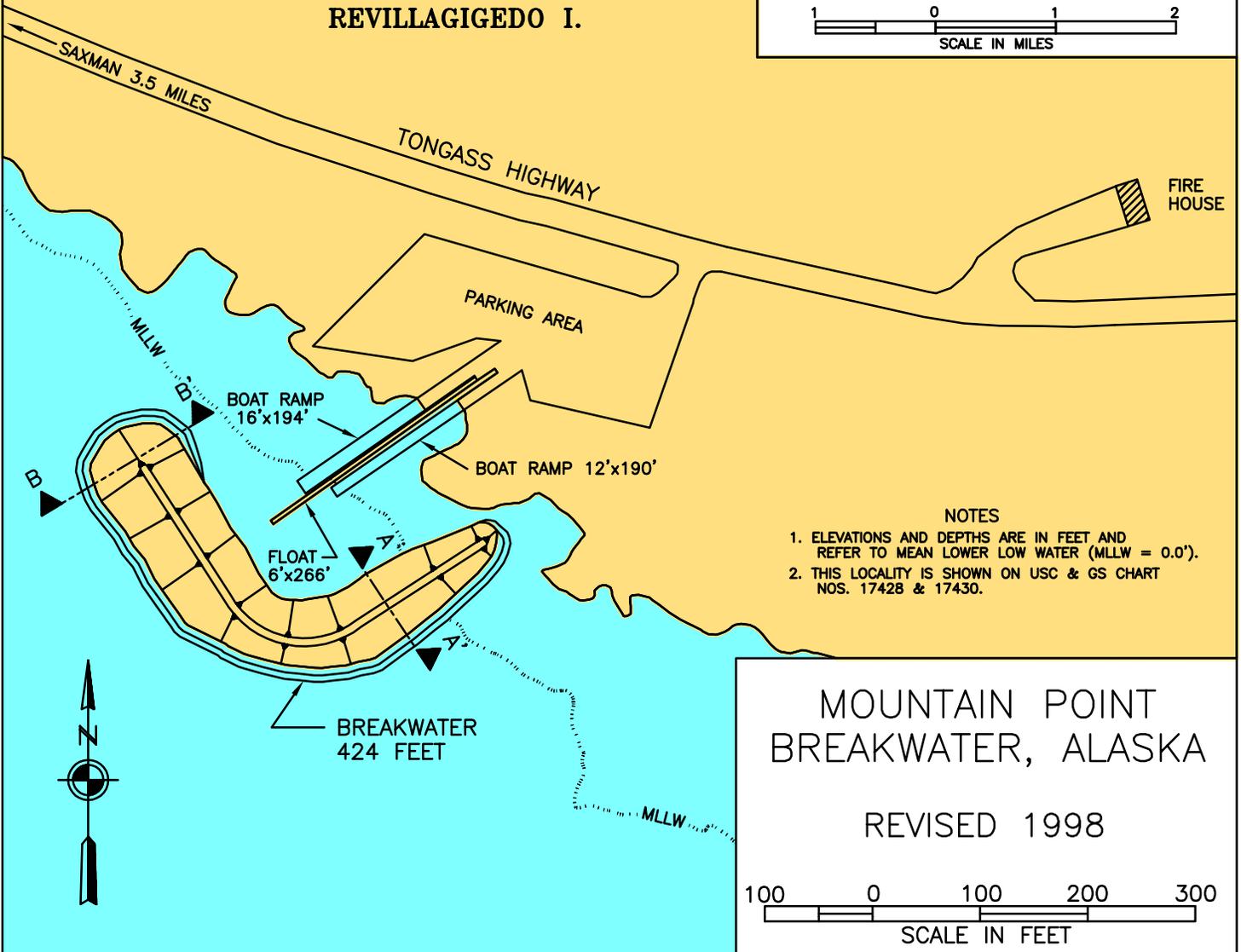
CONTROLLING DEPTH: A depth of -4.1 feet MLLW controls in the channel (non-federal) to the boat ramps.



VICINITY MAP



REVILLAGIGEDO I.

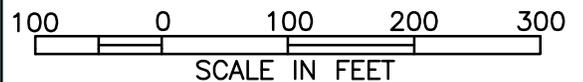


NOTES

1. ELEVATIONS AND DEPTHS ARE IN FEET AND REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').
2. THIS LOCALITY IS SHOWN ON USC & GS CHART NOS. 17428 & 17430.

MOUNTAIN POINT BREAKWATER, ALASKA

REVISED 1998



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Mountain Point Breakwater, Ketchikan, Alaska



Mountain Point Breakwater south of Ketchikan in 2005.