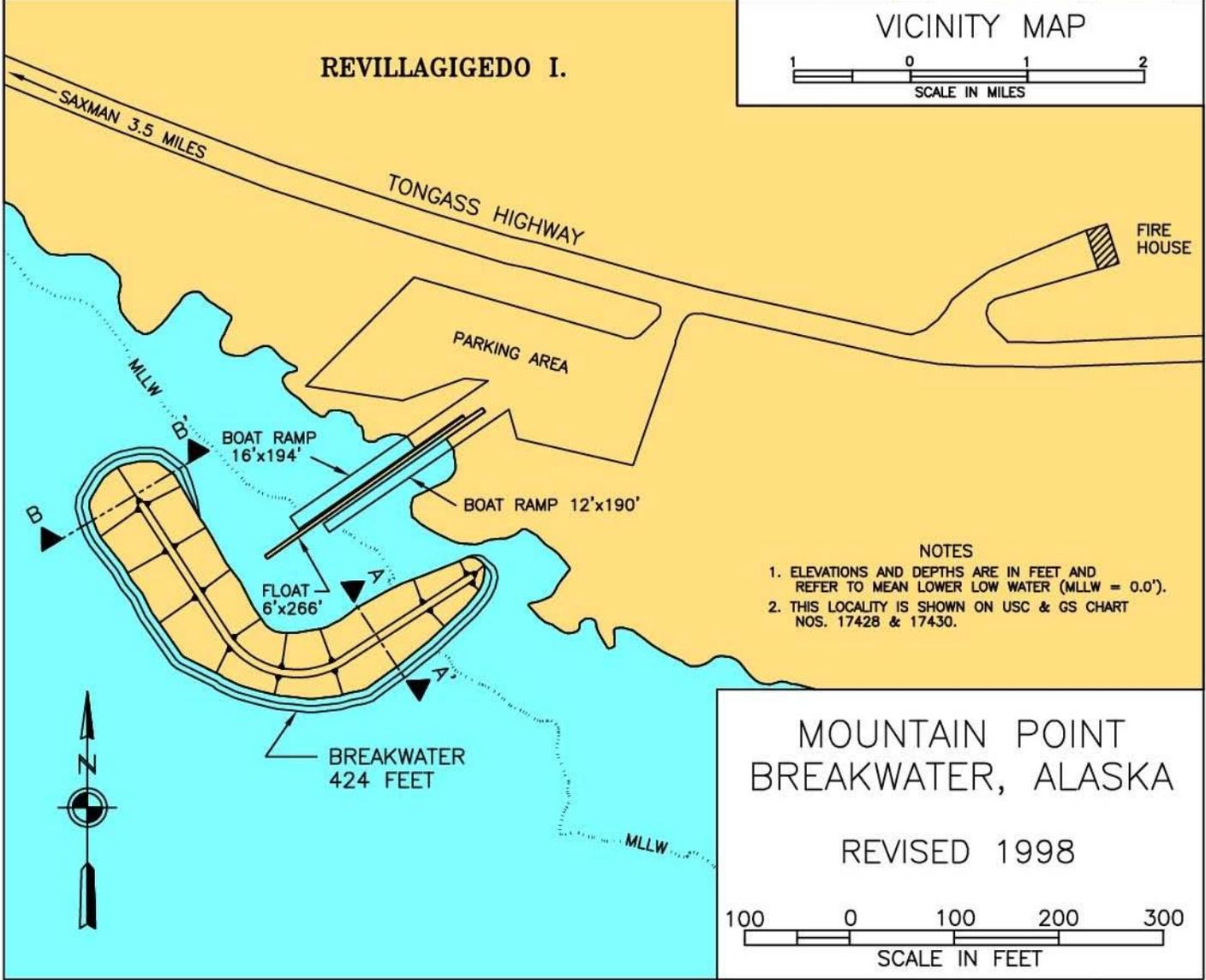
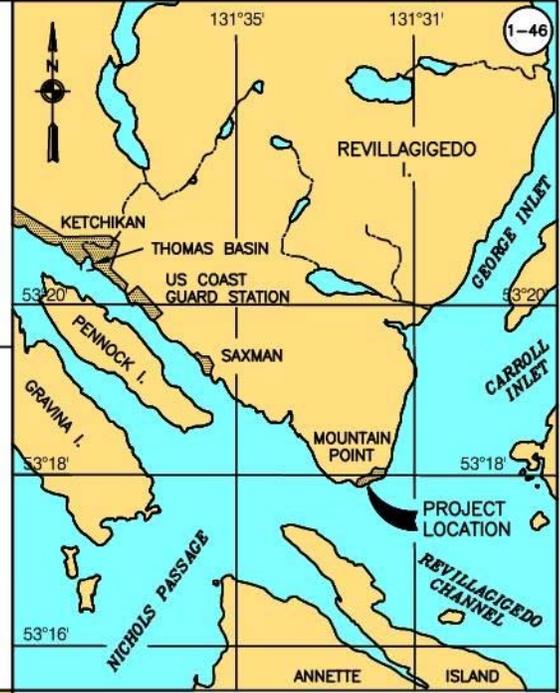
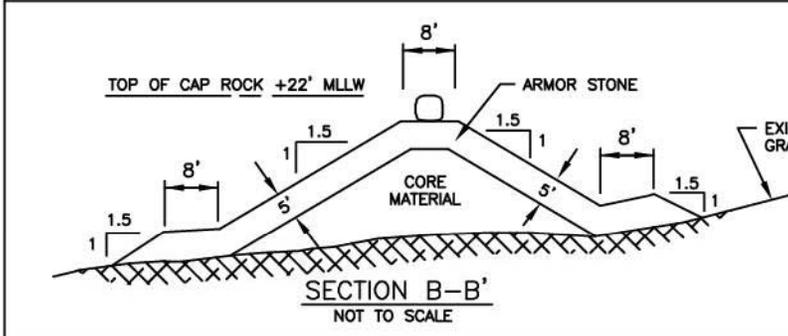
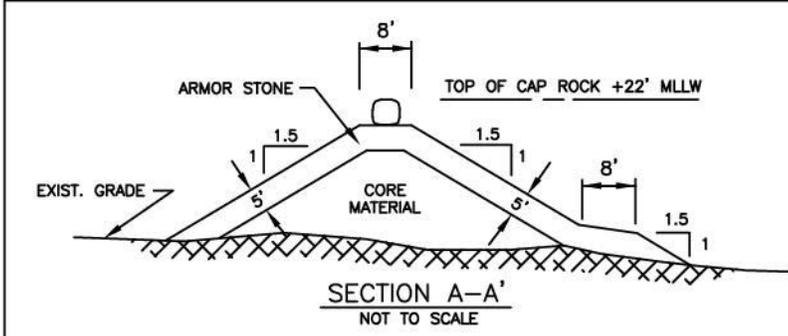


**MOUNTAIN POINT  
BREAKWATER**



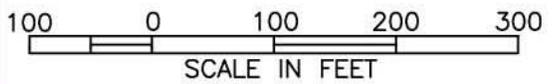
VICINITY MAP



- 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



**MOUNTAIN POINT, ALASKA**  
(CWIS NO. 87583)

Condition of Improvement 30 September 2005

**AUTHORIZATION:** River and Harbor Act, 14 July 1960 (under Section 107, Public Law 86-645, House Resolution 7634, 86<sup>th</sup> 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.

<b>EXISTING PROJECT:</b>	<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.

**COST TO DATE:**

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

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

**CONTROLLING DEPTH:** A depth of -4.2 feet MLLW controls in the channel (non-federal) to the boat ramps.

# MOUNTAIN POINT, ALASKA



**Mountain Point Breakwater, 27 April 2005**