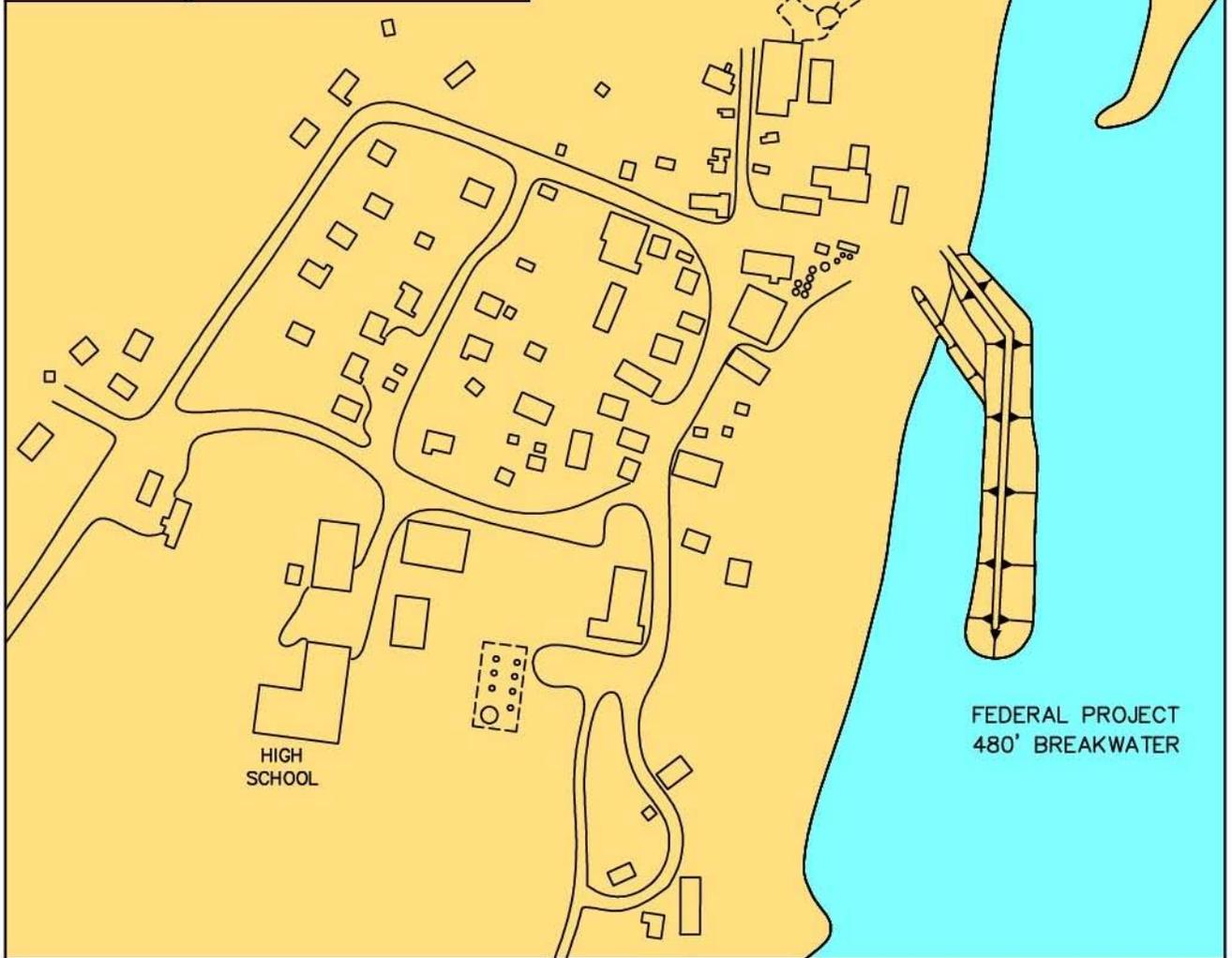
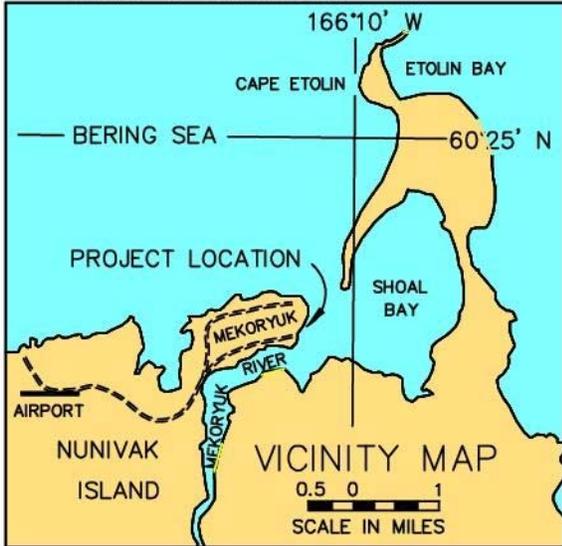


**MEKORYUK  
BREAKWATER**

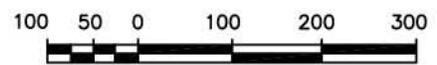


NOTE

THIS LOCALITY IS SHOWN ON NOAA/NOS CHART NO. 16006, AND ON USGS QUADRANGLE MAP NUNIVAK ISLAND B-4.

MEKORYUK BREAKWATER  
ALASKA

REVISED 1993



SCALE IN FEET

**MEKORYUK, ALASKA**  
(CWIS NO. 87331)

Condition of Improvement 30 September 2004

**AUTHORIZATION:** Rivers and Harbors Act, 14 July 1960 (under Section 107, Public Law 86-645) as adopted, and approved as amended by the Chief of Engineers, 7 May 1986, provides for a rock breakwater 510 feet in length to protect local craft from damage and the beach from erosion.

<b>EXISTING PROJECT:</b>	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Breakwater . . . . .	510 ft		

**PROJECT USAGE:** Small craft find protection behind the breakwater which also controls beach erosion along the town front. Mekoryuk is a semi-subsistence village: the main source of income comes from the Reindeer herd, and the resources of the sea provide for subsistence needs.

- PROGRESS OF WORK:**
- 1986 - The final design calls for a single rubblemound breakwater, elevation 17.5 feet MLLW, that extends seaward from the bluff for 140 feet, and then breaks southward nearly parallel to the beach for 350 feet. This provides for a protected area of 1.2 acres. The contract is awarded in May, and construction is completed in September.
  - 1991 - A condition survey of the breakwater is performed in August.
  - 1999 - A condition survey of the breakwater and immediate vicinity is performed in July. The breakwater is found in good condition.
  - 2004 - The latest condition survey of the breakwater and the protected inter-tidal zone is performed in August. The breakwater is found in good condition.

<b>COST TO DATE:</b>	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
United States Funds	\$ 1,300,581	\$ 44,499	\$ 1,345,080
<b>RANGE OF TIDE:</b>	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
	7.1'	8.4'	14.5'

**CONTROLLING DEPTH:** The area protected by the breakwater is intertidal.

# MEKORYUK, ALASKA



**The scene behind the Mekoryuk Breakwater, September 2001.**