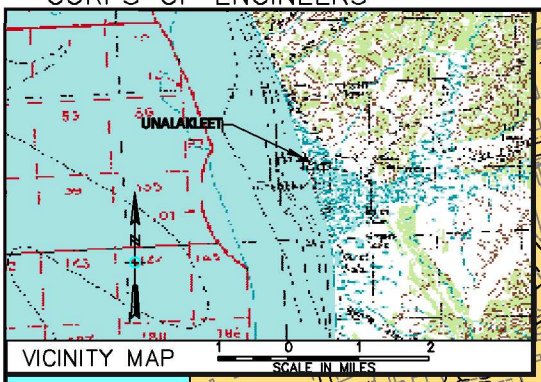
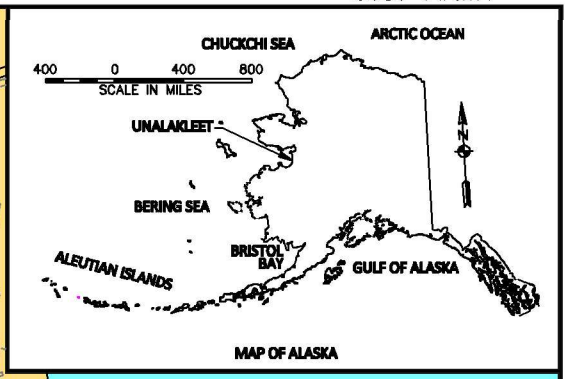
UNALAKLEET
EROSION CONTROL

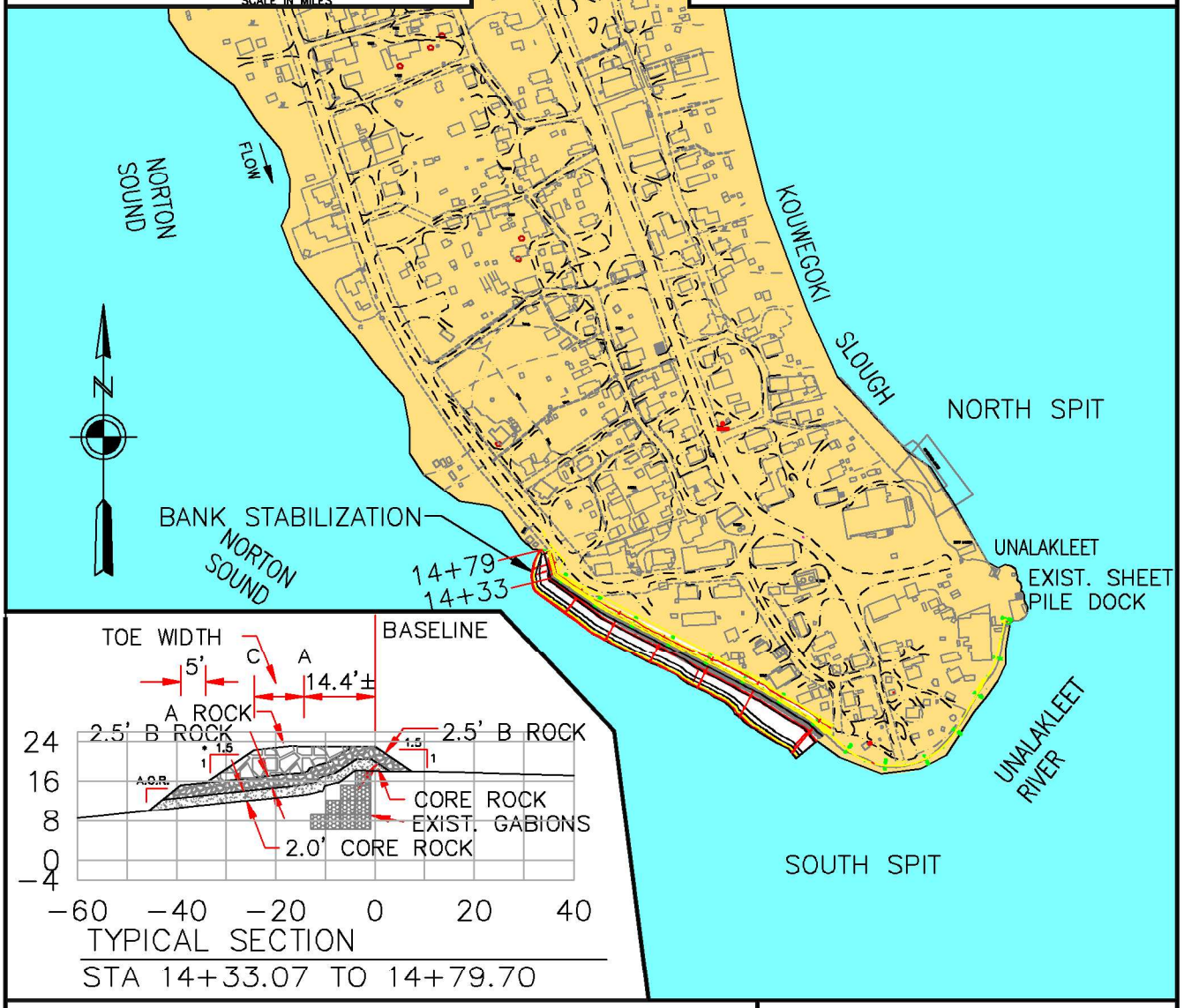
CORPS OF ENGINEERS U.S. ARMY



VICINITY MAP

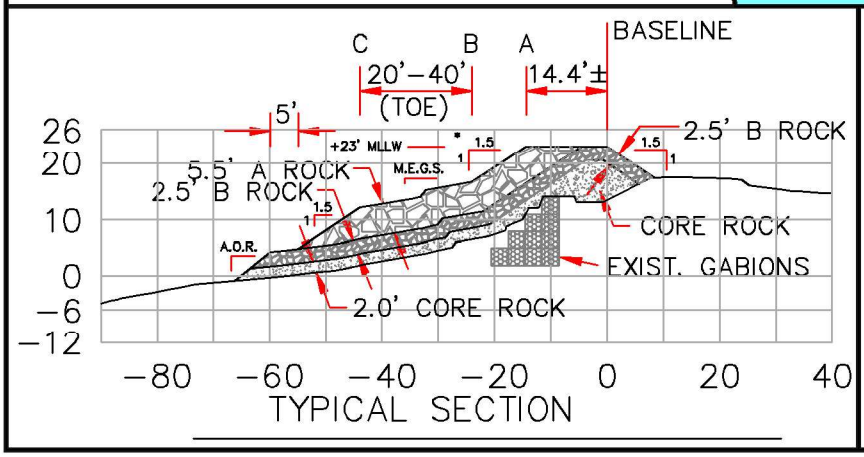


MAP OF ALASKA



TYPICAL SECTION

STA 14+33.07 TO 14+79.70



TYPICAL SECTION

UNALAKLEET BANK STABILIZATION ALASKA

REVISED 2010

200 100 0 50 100 200 300 400 500
SCALE IN FEET

100 0 100 200 300 400
SCALE IN METERS

UNALAKLEET, ALASKA
(CWIS NO. 181723, 81818)

Condition of Improvement 30 September 2011

AUTHORIZATION: Section 117 of Division C of the FY2005 Omnibus Bill (PL 108-447) authorizes structural and non-structural projects for the coastal erosion of affected Alaskan communities.

PROJECT USAGE: Unalakleet suffers from erosion on both the ocean side (Norton Sound) and from the Unalakleet River. The erosion rate on the Norton Sound side averages 1 foot per year, and occurs when storm surge attacks the spit washing away beach material. The rate of erosion from the Unalakleet River is more severe and averages two feet per year.

EXISTING PROJECT:	LENGTH	DEPTH	WIDTH
• Rock Revetment	675 ft		

PROGRESS OF WORK:

2010 - Constructed 675 feet of armor rock revetment for coastal shore erosion protection. A temporary end section was constructed on the East end. Only the base item and one option item was awarded and constructed. Three other option items were not awarded or constructed and account for approximately 800 lineal feet of revetment. Construction was completed in August 2010.

2011 – The inspection revealed the Coastal Erosion Control project to be in good condition

COST TO DATE:

CG Costs	$18,321,984

RANGE OF TIDE:	Mean Range	Diurnal Range	Extreme Range
	- -	4.0'	10.0'

Unalakleet Erosion Control at Unalakleet, Alaska

Shore protection in 2010.

Beach protection in 2009.

Unalakleet Erosion Control at Unalakleet, Alaska

Shore protection in Unalakleet, Alaska in 2009.

Unalakleet Erosion Control at Unalakleet, Alaska

Unalakleet project in 2009.

Unalakleet Erosion Control at Unalakleet, Alaska

Unalakleet aerial in 2010.

Unalakleet Erosion Control at Unalakleet, Alaska

Unalakleet Spring ice and shore line protection with debris 2010.