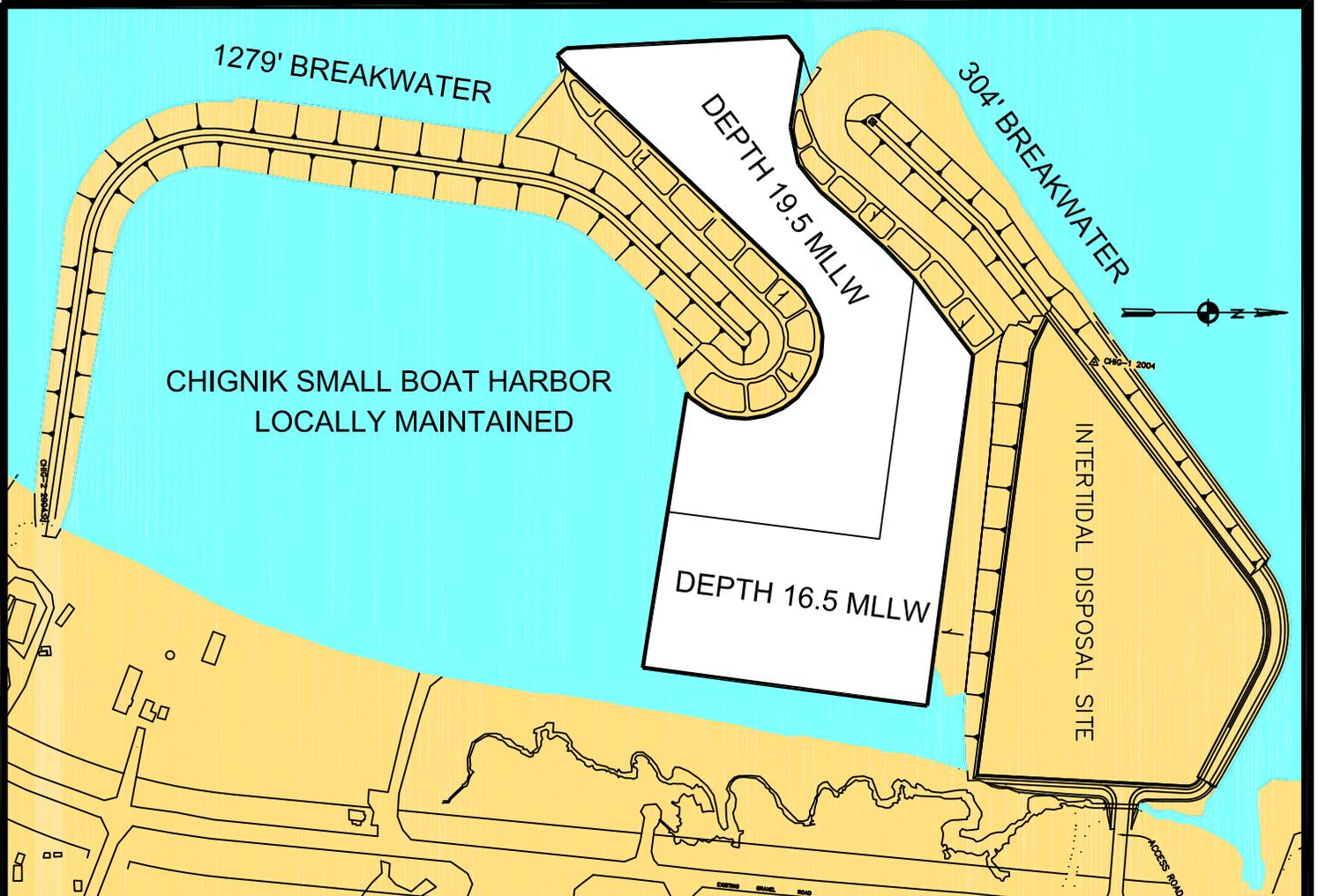
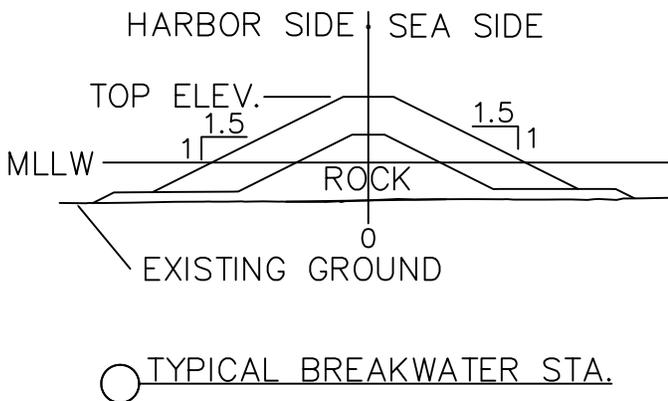


CHIGNIK HARBOR



VICINITY MAP



CHIGNIK, AK

REVISED: 2011

Lat: 56°17'45.09"N
Long: 158°24'04.24"W



CHIGNIK HARBOR, ALASKA
(CWIS NOS. 10375, 87214, & 87394)

Condition of Improvement 30 September 2012

AUTHORIZATION: WRDA 96, PL 104-303 Section 101(b) PROJECTS SUBJECT TO REPORT—
The following projects for water resource development and conservation and other purposes are authorized to be carried out by the Secretary substantially in accordance with the plans, and subject to the conditions, recommended in a final report (or in the case of the project described in paragraph (10), a Detailed Project Report) of the Corps of Engineers, if the report is completed not later than December 31, 1996: (1) CHIGNIK, ALASKA—The project for navigation, Chignik, Alaska, at a total cost of \$10,365,000, with an estimated Federal cost of \$4,282,000 and an estimated non-Federal cost of \$6,083,000.

EXISTING PROJECT:	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
Basin (irregular shape)	372 ft	-16.5 ft	341 ft
Entrance Channel	650 ft	-19.5 ft	100 ft
North Breakwater	304 ft		
South Breakwater	1,279 ft		

PROJECT USEAGE: The new small boat harbor will be used as a base for commercial fishing which is the primary industry of Chignik, Alaska.

PROGRESS OF WORK:

- 2009 - About 134,700 cubic yards of material was dredged and placed upland for erosion control in creation of a new boat harbor. The new harbor has 2 breakwaters, the north breakwater being about 304' long and the south breakwater being about 1279' long. The federal cost was \$6,155,447.
- 2010 - Dredged the entrance channel and mooring basins. Armored slope protection was applied to basin slopes. A Post Dredge Survey of the harbor was conducted after construction was completed in September 2010.
- 2011 - Rock deterioration on the 1,279 foot-long breakwater was documented.
- 2012 - A monitoring plan for assessing the breakwater rock conditions was developed.

COST TO DATE:

GI PED Appropriation 10375	\$162,890	CG Costs 87394	\$932,499
GI PED Costs 10375	\$162,890	CG Appropriation 87214	\$5,000
CG Appropriation 10375	\$14,403,978	CG Costs 87214	\$5,000
CG Costs 10375	\$14,400,929	CG Contributed Appropriation 10375	\$5,204,283
CG Appropriation 87394	\$932,499	CG Contributed Costs 10375	\$4,788,595

RANGE OF TIDE:	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
	6.68'	8.93'	13.6'

CONTROLLING DEPTH: For the Entrance Channel a depth of -19.9 feet MLLW controls and for the Basin a depth of -17.1 feet MLLW controls, July 2010.

Sampling & Testing

1. One five-part composite sample was collected in the small boat harbor, September 2009; all material was classified as fine grained silts and sands.
2. Chemical analysis was conducted using () test methods as outlined with results below:

Method 8260B	Volatile Organic Compounds	None detected (ND)
Method 8270C-SIM	Polynuclear Aromatic Hydrocarbons	ND or below cleanup levels
Method 8082	Polychlorinated Biphenyls	ND
Method 8081		ND
Series 6000-7000's	(10) RCRA Metals	(10) of (10) detected; all below cleanup levels
Method 9060	Total Organic Carbon	2
Method A2540G	Total Solids	58.6%

Results were screened against Puget Sound Dredge Disposal Analysis (PSSDA).

Chignik Harbor, Chignik, Alaska



Top is Chignik Harbor in summer 2010 and bottom is an oblique taken in spring 2006.