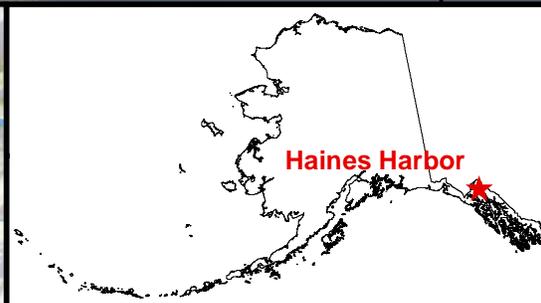
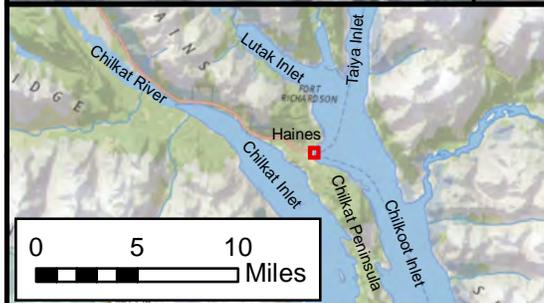
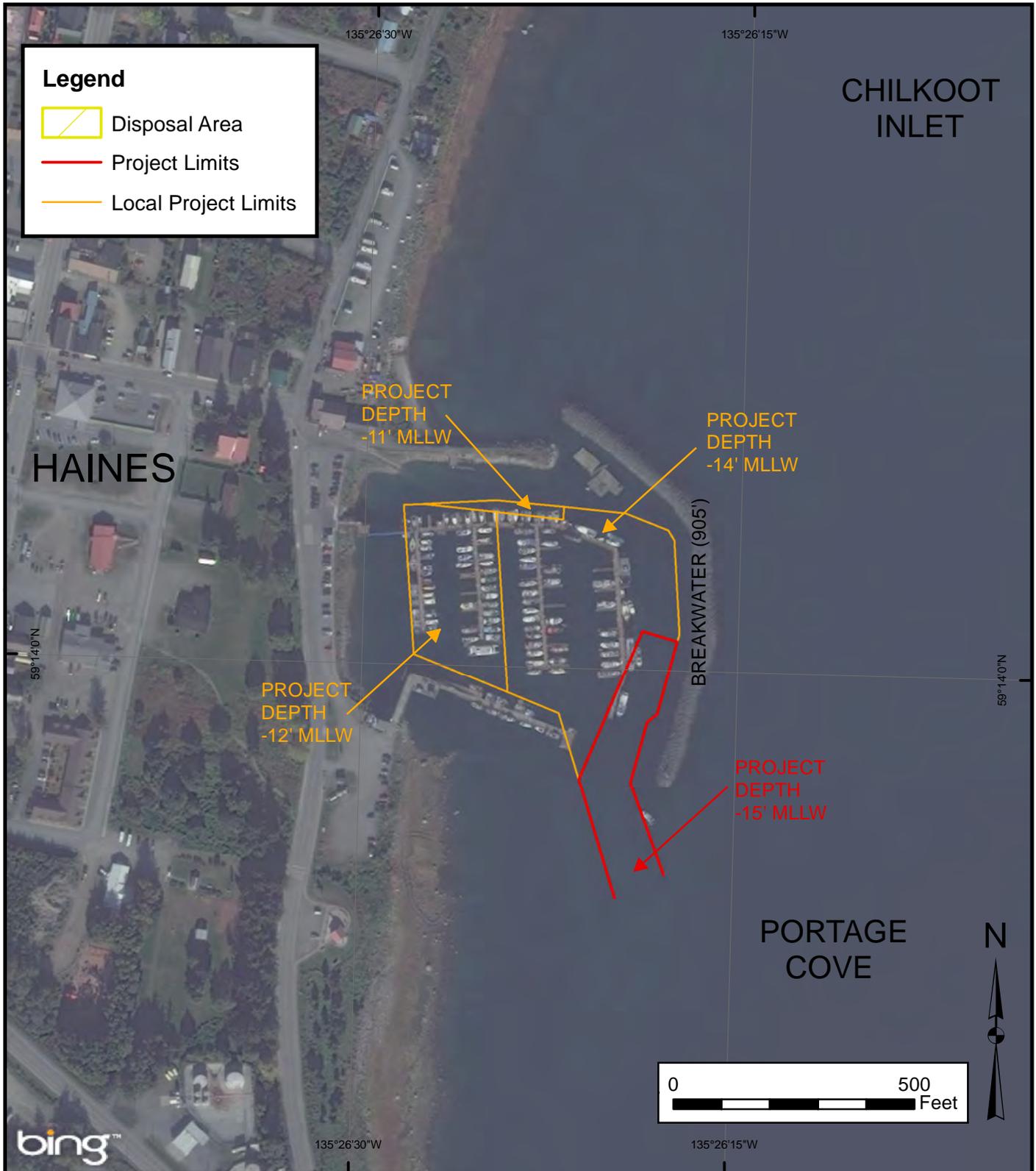


Haines Harbor



**HAINES HARBOR
ALASKA**

09 JANUARY 2014

NOTES:
1. THIS LOCALITY IS SHOWN ON
NOAA CHART NOS. 17317, 17300,
AND 16016.

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Condition of Improvements
30 December 2014
Haines Harbor, Alaska
(CWIS No. 013576, 087015, 150037)

Authorization Rivers and Harbors Act, 14 July 1960 (Report in Office of Chief of Engineers) adopted as amended under Section 107, 21 December 1971, provides for enlarging an existing non-federal small boat harbor from 1.8 acres at -10 feet MLLW to 4.2 acres at -12 feet MLLW and -14 feet MLLW; construction of an entrance channel 75 to 100 feet wide at -15 feet MLLW; modification of the breakwater protection by removal of the existing seaward leg and construction of an offshore breakwater 905 feet in length with armor rock protection. The basin enlargement is to be funded by local interests.

Table 1

Existing Project	Length ft.	Width ft.	Depth ft.
Entrance Channel	555	75-110	-15
Basin	4.2 acres		-11,-12,-14
Breakwater (detached)	905		

Project Usage The small boat harbor is used by local and transient fishermen primarily employed by halibut and gillnet salmon fishing; the harbor (200 vessel capacity) is also home to resident recreational craft. Haines is an important link in the Alaska Marine Highway system. It is located at the southern end of the Haines Highway, linking southeastern Alaska by road with the Interior, the Southcentral region, and the Yukon Territory.

Progress of Work

1976	Construction contract is awarded in May. Expansion of the small boat basin begins in June with the removal of the seaward leg of the existing breakwater and dredging of the basin to 12 feet and 14 feet MLLW. Dredging of the entrance channel to -15 feet MLLW is accomplished in September 1976. Construction of the detached breakwater and completion of the contract are finalized in December.
2000	A condition survey is conducted in May.
2003	Vertical and oblique aerial photography is taken in May.

Progress of Work

2004	A condition survey is conducted in June.
2008	A project condition survey was conducted in June 2008. The report found that the harbor infrastructure is in poor repair. Numerous shoals were corroborated by the survey. A boulder/hazard to navigation 30 feet south of the breakwater was sited but is not shown on the survey and may not be within the project site.
2011	A project condition survey was completed in July. The total material available to Project Depths is 1,387 CY.

Table 2 Cost to Date

Project	Description	Cost \$
13576	GI PED Appropriation	995,313
	GI PED Costs	823,076
	CG Contributed Appropriation	50,000
	CG Contributed Costs	15,887
	O&M Costs	24,077
	GI PED Contributed Appropriation	356,269
	GI PED Contributed Costs	283,400
150037	CG Appropriation Sec 107	1,265,000
	CG Costs Sec 107	1,265,000
	CG Appropriation	85,000
	CG Costs	84,694

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 2421 Chilkat Inlet AK	13.88	16.47	-

Controlling Depth: A depth of -8.5 feet MLLW controls the entrance channel. A depth of -7.0 feet MLLW controls the East basin. A depth of -3.4 feet MLLW controls the West basin. A depth of -4.4 feet MLLW controls the North.

Haines Small Boat Harbor, Haines Alaska



Haines SBH aerials taken in the summer of 2011.

Haines Small Boat Harbor, Haines Alaska



Haines SBH ground pictures taken in the summer of 2011.