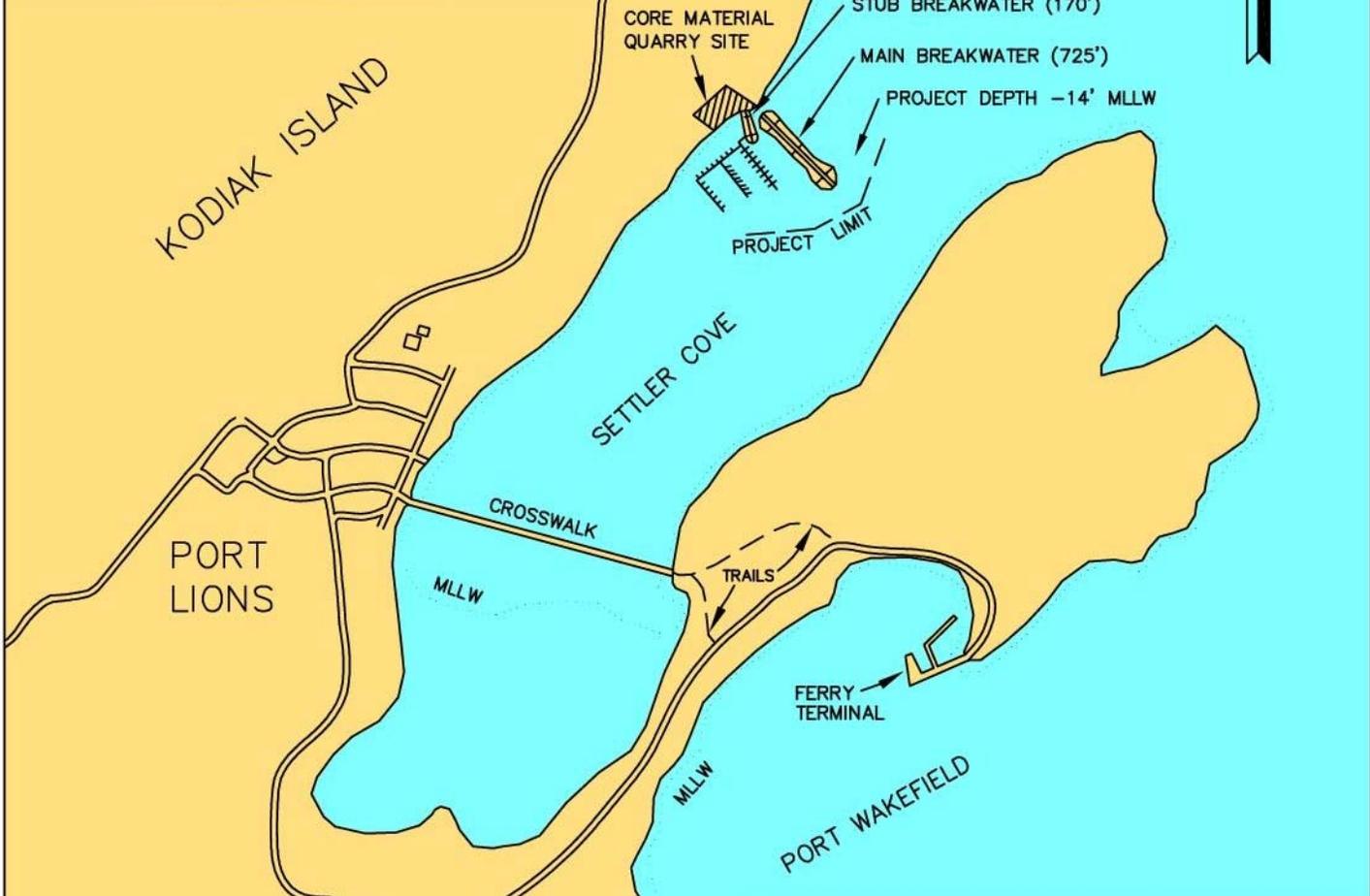
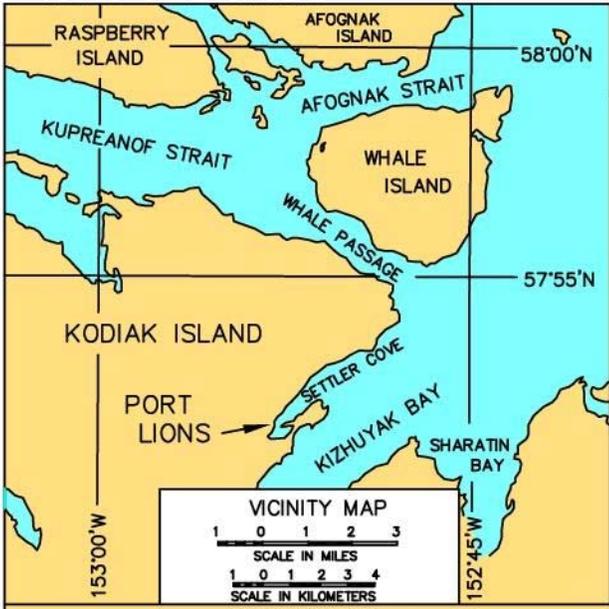
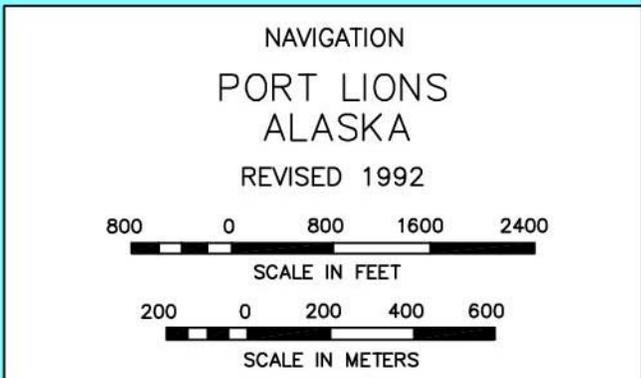


# **PORT LIONS**



NOTE  
THIS LOCATION IS SHOWN ON USC & GS  
CHART NOS. 16594,16580,16013, AND 500.



**PORT LIONS HARBOR, ALASKA**  
(CWIS NO. 87202)

Condition of Improvement 30 September 2009

**AUTHORIZATION:** Rivers and Harbors Act, 14 July 1960, under Section 107 (Public Law 86-645) as amended and approved by the Office of the Chief of Engineers, 9 April 1979, provides for a north breakwater 600 feet long and a stub breakwater 170 feet long to protect a 5 acre mooring basin.

<b>EXISTING PROJECT:</b>	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Main Breakwater . . . . .	725 ft		
• Stub Breakwater . . . . .	170 ft		
• Basin . . . . .	5 acres	-14 ft	
• Entrance Channel . . . . .	1030 ft	-14 ft	150 ft

**PROJECT USAGE:** The 5 acre mooring basin provides for the needs of the present fleet, both local and transient, as well as for anticipated fleet development throughout the life of the project to a capacity of 125 boats.

**PROGRESS OF WORK:**

- 1977 - The original design, approved in December, called for two breakwaters of 500 and 650 feet, an entrance channel 150 by 750 feet, and a 12 acre mooring basin. Local interests request a review of alternate plans to find a less costly solution.
- 1979 - The project is modified to its current dimensions and approved by the Chief of Engineers.
- 1981 - Construction begins in March and is completed in July. A severe winter storm in November 1981 causes extensive damage to the main breakwater.
- 1982 - A new contract is awarded in October to increase the length, elevation, and strength of the damaged breakwater, and to perform minor dredging in the entrance channel.
- 1983 - Reconstruction of the breakwater begins in mid-February and is completed at the end of July. Dredging of the entrance channel is completed in the fall of 1983.
- 2002 - A condition survey is conducted in July. The harbormaster reports that storms from the northeast are destroying the float system. The project is under study by the Corps.
- 2005 - The latest condition survey is conducted in June with a single beam system.
- 2009 - A tidal datum update and project condition survey are conducted in July and August.

**COST TO DATE:**

CG Appropriation 87202	\$1,950,993		CG Contributed 87202	\$1,880,155
CG Costs 87202	\$1,950,993		CG Contributed Costs 87202	\$1,880,155
CG Appropriation 87744	\$12,000		O&M Appropriation 87202	\$1,596,577
CG Costs 87744	\$12,000		O&M Costs 87202	\$1,596,577

**PORT LIONS HARBOR, ALASKA** (continued)

30 September 2009

<b>RANGE OF TIDE:</b>	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
	7.6'	9.6'	18.0'

**CONTROLLING DEPTH:** The channel is controlled by a rock with an elevation of -12.4 feet MLLW, 100 feet east of the main breakwater and 130 feet from the project limit, July 1998.

# PORT LIONS, ALASKA



Oblique aerial view looking easterly, May 2002.



Looking northerly out Settler's Cove, May 2002.