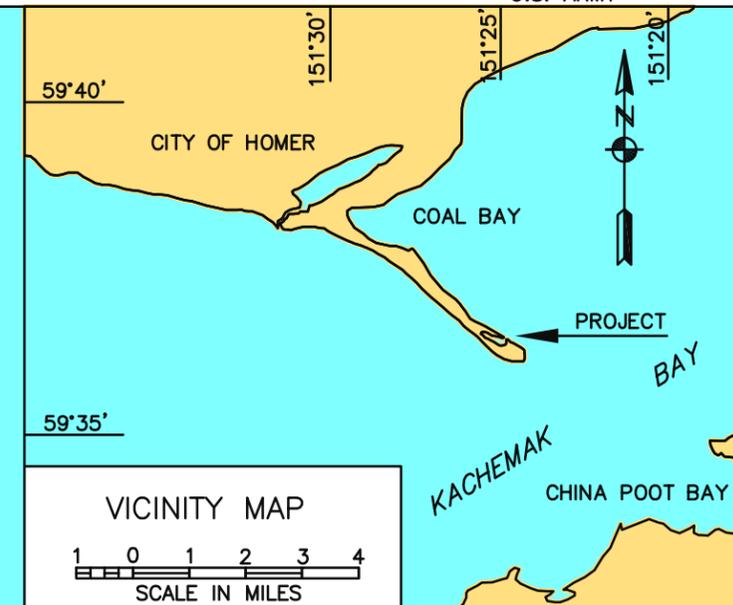
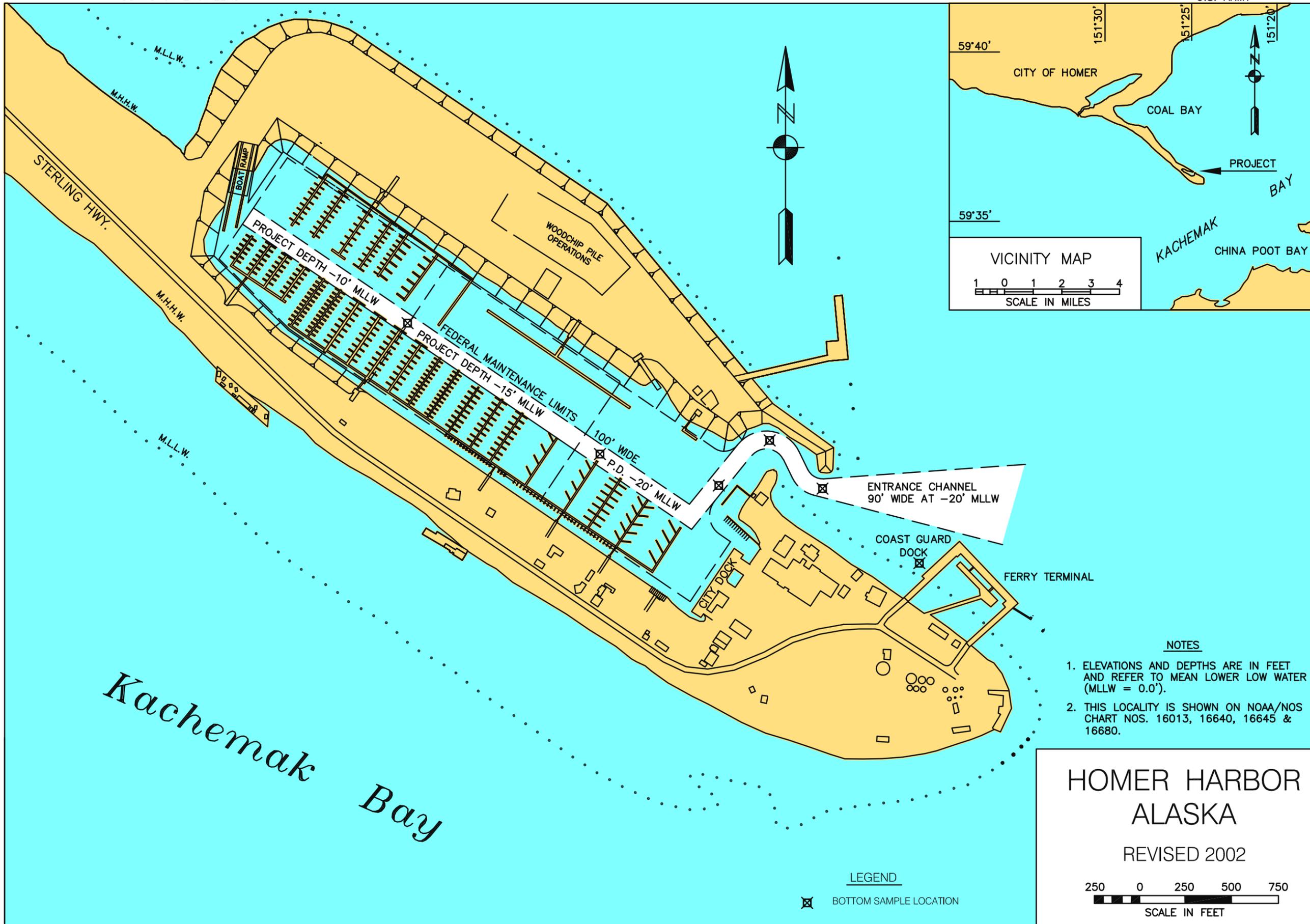


**HOMER SPIT
EROSION
PROTECTION**



NOTES

- 1. ELEVATIONS AND DEPTHS ARE IN FEET AND REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').
- 2. THIS LOCALITY IS SHOWN ON NOAA/NOS CHART NOS. 16013, 16640, 16645 & 16680.

LEGEND

⊠ BOTTOM SAMPLE LOCATION

HOMER HARBOR ALASKA

REVISED 2002



Kachemak Bay

HOMER SPIT EROSION, ALASKA
(CWIS NO. 12379)

Condition of Improvement 30 September 2011

AUTHORIZATION: (1) The Water Resource Development Act of 1990, Section 101, dated 28 November 1990 (Public Law 101-640, 101st Congress) as adopted, provides for a 1,000 foot extension to an existing rubble mound revetment along an existing sheet pile wall to protect the State highway on Homer Spit. (2) The Energy and Water Development Appropriations Act of 1996 (Public Law 104-46) provided \$3,800,000 for the repair and extension of the existing project in order to fulfill its original purpose.

EXISTING PROJECT:	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Rock Revetment	4830 ft		

PROGRESS OF WORK:

- 1991 - Work on the plans and specifications are underway.
- 1992 - A Local Cooperation Agreement is finalized which includes cost sharing.
The construction contract is awarded.
- 1993 - Difficulties acquiring a quarry site prevent construction.
- 1994 - All physical work on the original project is completed.
- 1996 - A study of erosion along the southerly seaward face continues; a condition survey is conducted in August. A contract is awarded to extend the revetment 3700 feet.
- 1997 - Repair and extension of the revetment is 77% complete; scheduled completion date is December 1998.
- 1998 - The project is completed with a total placement of 52,598 cubic yards of stone and 6,051 cubic yards of gravel.
- 1999 - The natural beach is surveyed out to (0) feet MLLW along the southerly seaward face.
- 2000 - The Federal project and the areas it protects are found in good condition by the Corps' inspector.
- 2001 - The project continues to be in good condition. No maintenance is recommended.
- 2002 - The Corps inspector finds the project in good condition, August 2002.
- 2003 - The annual inspection finds the project in good overall condition. Continued monitoring is recommended.
- 2004 - The project is found in good condition. No maintenance is required.
- 2005 - The annual inspection conducted in September finds the project in good condition.
- 2009 - Visible sections of the revetment appeared to be in good shape.
- 2011 - The Homer Spit Revetment project was thoroughly inspected and found to be in good overall condition.

COST TO DATE:

CG Appropriations	\$5,679,119
CG Costs	\$5,678,718
CG Contributed Appropriations	\$2,973,359
CG Contributed Costs	\$2,973,359

HOMER SPIT EROSION (continued)

30 September 2011

RANGE OF TIDE:	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
.	15.8'	18.3'	32.2'

Homer Spit Erosion, Homer, Alaska



Homer Spit oblique and along the revetment 2005.

Homer Spit Erosion, Homer, Alaska



Homer Spit in 2007.

Homer Spit Erosion, Homer, Alaska



Homer Spit Aerial 2009 and near the harbor area 2010.

Homer Spit Erosion, Homer, Alaska



Homer Spit in the summer of 2010.

Homer Spit Erosion, Homer, Alaska



Homer Spit near the Spit base and fishing along the Spit in 2010.

Homer Spit Erosion, Homer, Alaska

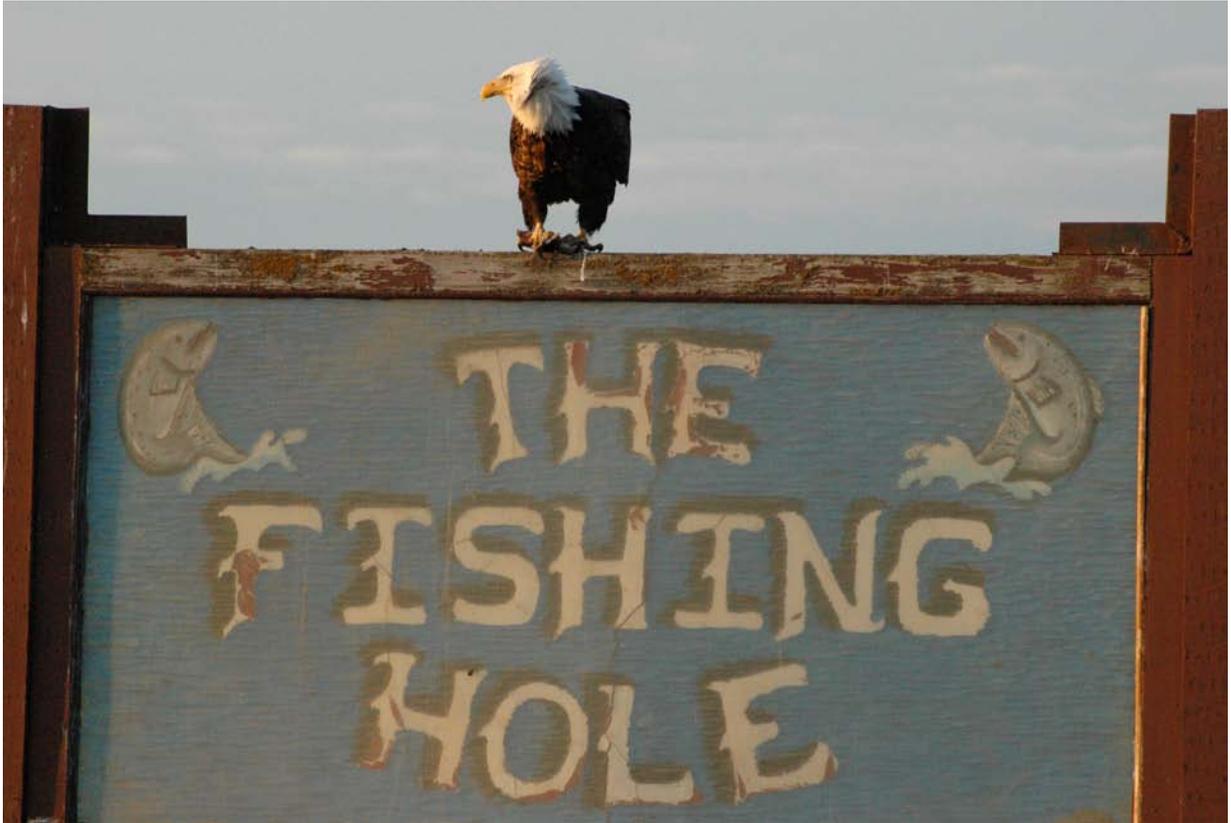


Eagles on Spit 2009.



Incoming tide on the Homer Spit beach in 2009.

Homer Spit Erosion, Homer, Alaska



The Fishing Hole on Homer Spit 2008.



Kayaking on the Homer Spit in 2006.