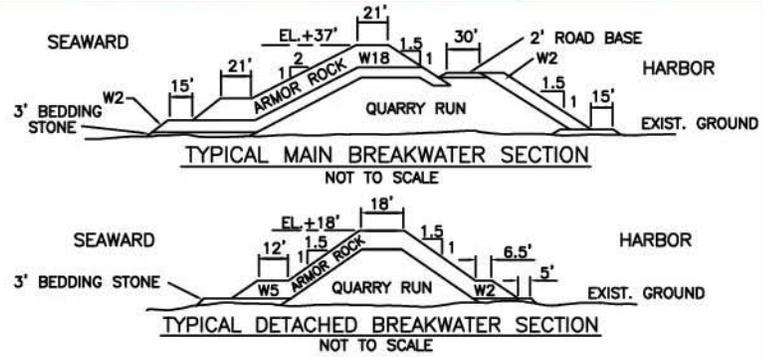
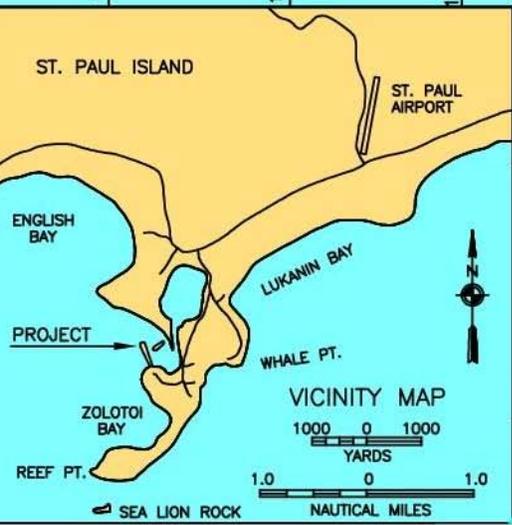
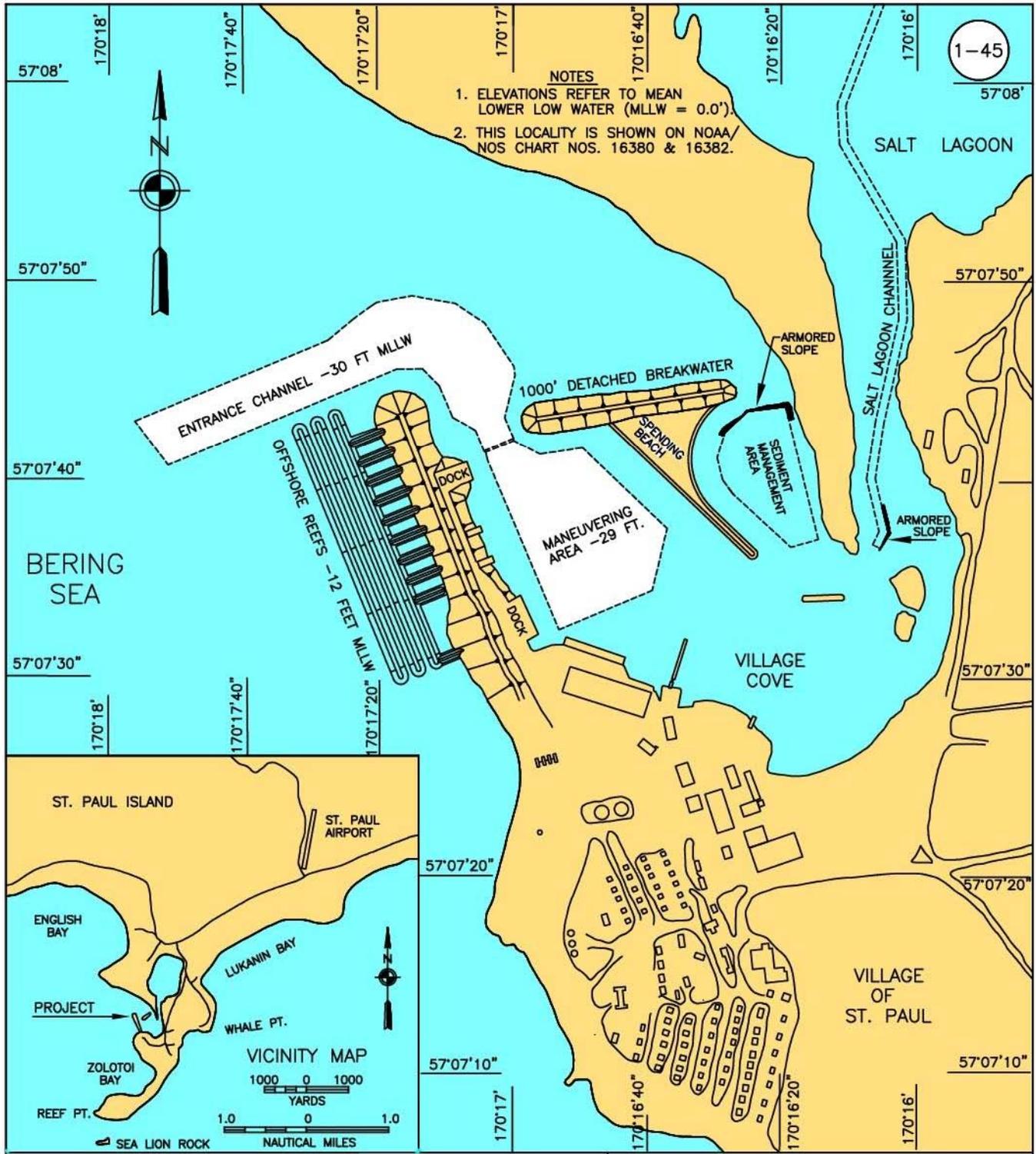
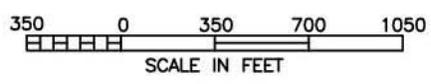


ST. PAUL HARBOR

- NOTES**
1. ELEVATIONS REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').
 2. THIS LOCALITY IS SHOWN ON NOAA/NOS CHART NOS. 16380 & 16382.



ST. PAUL HARBOR ALASKA
REVISED 2007



ST. PAUL HARBOR, ST PAUL ISLAND ALASKA
(CWIS NO. 80526)

Condition of Improvement 30 September 2009

AUTHORIZATION: (1) Water Resources Development Act, 17 November 1986 (Public Law 99-662, Section 202) as adopted, provides for an addition to the existing breakwater of 1050 feet at 37 feet above MLLW, a detached breakwater 1000 feet in length at 18 feet above MLLW protecting Village Cove, and a maneuvering area 200 feet wide at 18 feet below MLLW. (2) Water Resources Development Act of 1996, (Section 101(b)(3), Public Law 104-303) provides for an entrance channel at -30 feet MLLW, enlarges the maneuvering basin to 415 by 830 feet with a depth of -29 feet MLLW, creates a wave spending beach at +4 feet MLLW, a tidal channel into the Salt Lagoon at 40 feet in width at -3 feet MLLW for environmental mitigation, and three off-shore reefs 1,300 feet in length at -12 feet MLLW. (3) Water Resources Development Act of 1999, 106th Congress, provides for a small boat harbor with an entrance channel at -16 feet MLLW and a maneuvering area at -12 feet MLLW with appropriate wave protection flow directing features consisting of a breakwater of 435 feet at 10 feet above MLLW and a circulation berm of 530 feet at 10 feet above MLLW.

LOCAL COOPERATION: Under Section 204(e) of Public Law 99-662, the Federal government agreed to reimburse the City 80% of the project costs upon acceptance by the Corps of Engineers. Under this agreement, the project was initially funded and supervised by the City of St. Paul.

EXISTING PROJECT:	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Main Breakwater (Federal)	1050 ft		
• Detached Breakwater	1000 ft		
• Entrance Channel	2000 ft	-30 ft	Varies
• Maneuvering Area	Varies	-29 ft	Varies
• Offshore Reefs (3)	1300 ft	-12 ft	

PROJECT USAGE: The harbor at St. Paul (Pribilof Islands) is an important harbors-of-refuge for the bottom-fishing fleet in the Bering Sea and provides crucial economic support for this remote community. (See St. George, project 1-44, for related project)

- PROGRESS OF WORK:**
- 1989 - Construction begins in May and all phases are completed in December.
 - 1990 - After the project is inspected and accepted by the Corps of Engineers, the City of St. Paul is reimbursed \$18,150,000 in March.
 - 1995 - A condition survey of the breakwaters and entire harbor is completed in July. Minor repairs are made to the main and detached breakwaters by placing armor stone at the damaged sites.
 - 1999 - Phase I contract is awarded to construct (3) off-shore reefs to protect the main breakwater.
 - 2001 - The latest condition survey of the harbor and breakwaters is completed in July. Phase I contract is modified to repair scour behind the off-shore reefs.
 - 2002 - A survey of the three off-shore reefs is conducted in May.
 - 2003 - The three off-shore reefs and the outer entrance channel are surveyed in May. A contract for Phase II dredging is awarded in June.

ST. PAUL HARBOR, ALASKA (continued)

30 September 2009

2005 - The Salt Lagoon and main harbor are surveyed in March. Phase II construction is completed.

2006 - Vertical and oblique aerial photography is taken in May. An extensive condition survey is Conducted throughout the harbor and Salt Lagoon in May and June.

2008 - A contract for Phase III construction of the small boat harbor is prepared.

2009 - The contract for construction of the small boat harbor, Phase III, was awarded in May. Construction will begin in the summer of 2010.

COST TO DATE:

GI PED Appropriation 10429	\$696,770	CG Costs 10429	\$67,366,921
GI PED Costs 10429	\$696,770	CG Contributed Appropriation 10429	\$8,957,842
GI PED Appropriation 10169	\$534,000	CG Contributed Costs 10429	\$5,048,988
GI PED Costs 10169	\$534,000	O&M Appropriation 10169	\$1,023,428
CG Appropriation 10429	\$82,210,448	O&M Costs 10169	\$1,023,428

RANGE OF TIDE:

Mean Range
2.0'

Diurnal Range
3.2'

Extreme Range
8.5'

CONTROLLING DEPTH: A depth of -29.5 feet MLLW controls at the center of the northern end of the Federally maintained maneuvering basin, May 2006.

ST. PAUL HARBOR, ST PAUL ISLAND, ALASKA



Saint Paul Harbor, 25 May 2006