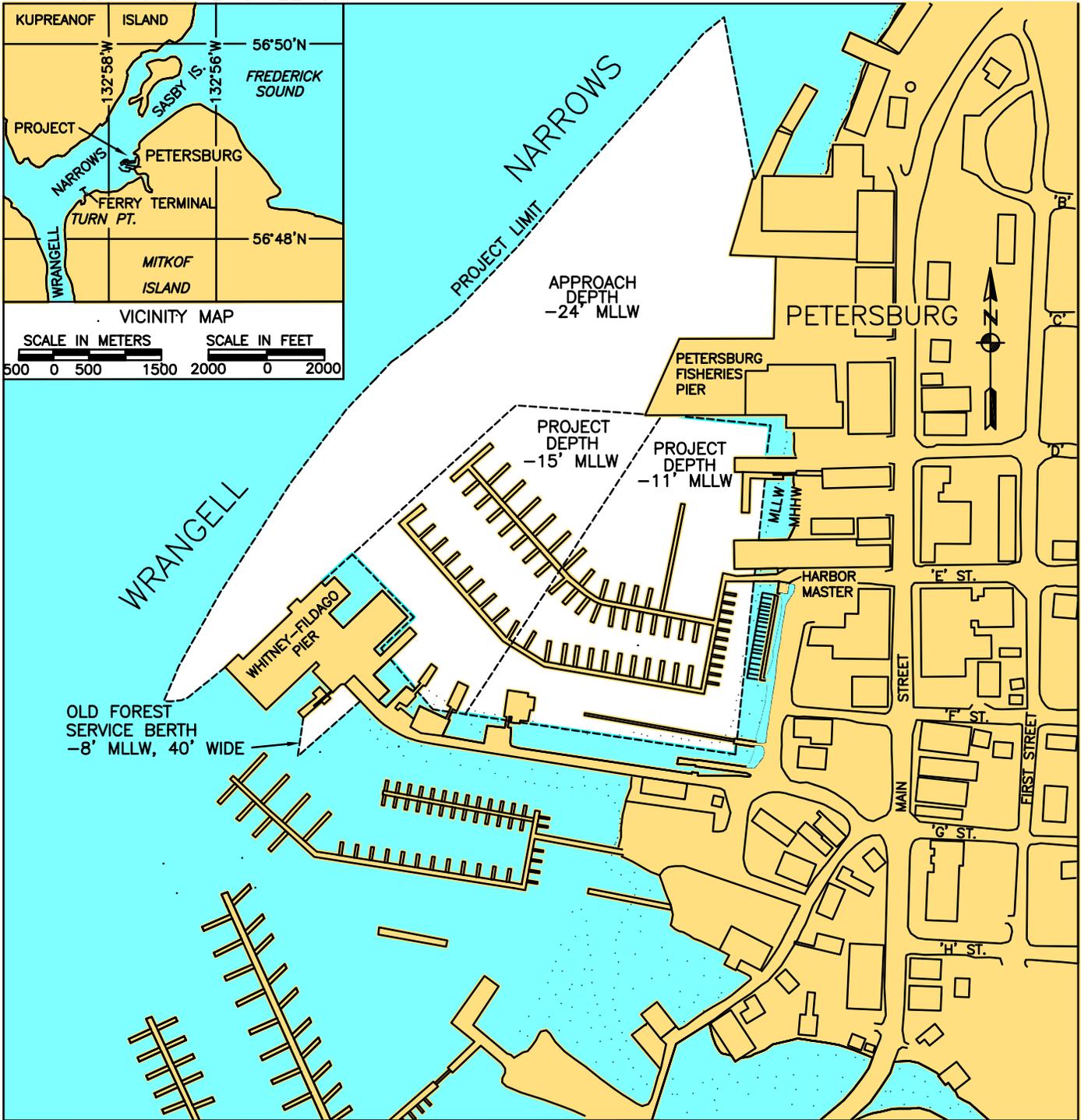


# **PETERSBURG**

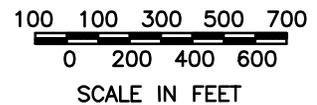


NOTES:

1. THIS LOCALITY IS SHOWN ON NOAA/NOS CHART NOS. 17375, 17360 & 16016.
2. ELEVATIONS AND DEPTHS ARE IN FEET AND REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').

PETERSBURG HARBOR ALASKA

REVISED 2003



**PETERSBURG HARBOR, ALASKA**  
(CWIS NO. 72759)

Condition of Improvement 30 September 2012

**AUTHORIZATION:** Rivers and Harbors Act, 30 August 1935 (House Doc. 483, 72nd Congress, 2nd Session) as adopted, provides for dredging suitable approaches to the existing wharves to a depth of 24 feet below MLLW, a small boat basin to a depth of -11 feet MLLW between Trading Union Wharf and Citizens Wharf (now Petersburg Cold Storage and Kayler-Dhal Wharves) to a line following the original MLLW line (an area of approximately 5.7 acres), and dredging a channel 40 feet wide to a depth of 8 feet below MLLW on the south side of the Forest Service float.

**ADDITIONAL AUTHORIZATION:** (1) Rivers and Harbors Act, 2 March 1945 (House Doc. 670, 76th Congress, 3rd Session) as adopted, provides for enlargement of the small boat basin shoreward over an area of approximately 3.10 acres at a depth of 11 feet below MLLW. (2) Rivers and Harbors Act, 2 September 1954 (House Doc. 501, 83rd Congress, 2nd Session) as adopted, provides for increasing the depth of the outer one-third of the small boat basin to a depth of 15 feet below MLLW.

**EXISTING PROJECT:**

	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Basin . . . . .	8.8 acres	-11, -15 ft	
• Approach to wharves . . . . .	1450 ft	-24 ft	Varies
	(outside dock to outside dock)		
• Forest Service channel . . . . .	150 ft	-8 ft	40 ft

**PROJECT USAGE:** The small boat basin (North Harbor) is used as a base of operations for 300 commercial vessels. The town boasts the largest home-based halibut fleet in the world and is also known for its shrimp, crab, salmon, herring and other fish products.

**PROGRESS OF WORK:**

- 1937 - The original project is successfully completed.
- 1957 - Shoreward enlargement of the basin and dredging the outer one-third of the basin to -15 feet MLLW is completed.
- 1969 - Maintenance dredging occurs in the south end of the basin in June.
- 1971 - Dredging is resumed in the south end of the basin in October until project depth is obtained.
- 2000 - A condition survey is accomplished in May with a multi-beam system.
- 2003 - The latest condition survey of the North Harbor is conducted in March. The Forest Service berth has been moved south of the South Harbor.
- 2005 - Vertical and oblique aerial photography are taken in April.
- 2008 - A project condition survey was conducted in April and May. The vertical datum was updated to +0.72 feet. The Forest Service berth has been taken over by Ocean Beauty Seafood. Project depth appears available for access to most of the float system, but the berths themselves show depths ranging from 8 to 11 feet. In all likelihood, dredging activity would involve moving the whole float system.
- 2011 - A project condition survey was conducted in September.
- 2012 - A contract was awarded to S&S Construction for mechanical dredging of the harbor.

**PETERSBURG HARBOR, ALASKA** (continued)

30 September 2012

**COST TO DATE:**

CG	\$252,932
O&M Appropriations	\$44,554,154
O&M Costs	\$663,704

<b>RANGE OF TIDE:</b>	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
	13.4'	15.7'	25.0'

**CONTROLLING DEPTH:** Shoaling is apparent around the vessel berths in both the -15 and -11 foot areas. Shoaling is also apparent along the entire southern portion of the project limits. -7.4 feet MLLW controls in the vessel berths, May 2008.

**SAMPLING & TESTING**

- Bulk composite samples representing four different areas were collected and sampled, April 2011. The samples were submitted for Synthetic Precipitation Leaching Procedure (SW1312) or the Standard Elutriate Test (SET) followed by the analysis of fuels, metals, and polynuclear aromatic hydrocarbons.
- Chemical analysis was conducted using (9) tests as outlined with results below:

SET AK102/103	Diesel Range Organics/ Residual Range Organics	All below project screening limits
SW1312 AK102/103	Diesel Range Organics/ Residual Range Organics	All below project screening limits
SET/ 6020	(3) RCRA Metals	(3) of (3) detected Copper 6.4 - 12 ppm, all others none detected (ND) or below minimum levels
SW1312/6020	(3) RCRA Metals	(2) of (3) detected ND or below cleanup levels
SET/8270SIM	Polynuclear Aromatic Hydrocarbons	ND or below cleanup levels
SW1312/8270SIM	Polynuclear Aromatic Hydrocarbons	ND or below cleanup levels
Method 9095	Free Liquids (yes/no)	“No” for all samples

Project limits are defined by ADEC 18 AAC 75 Method 2 Table B1 and B2 Cleanup Level and the Screening Quick Reference Table (SQuiRTs).

## Petersburg Small Boat Harbor, Petersburg, Alaska



National Geographic tour boat at Petersburg in August 2011.



Viking Ship at Petersburg in 2010.

## Petersburg Small Boat Harbor, Petersburg, Alaska



Petersburg SBH entrance (left 2011) and the fishing fleet 2009.

## Petersburg Small Boat Harbor, Petersburg, Alaska



Petersburg SBH 2011 (top) and in 2000 (bottom).

## Petersburg Small Boat Harbor, Petersburg, Alaska



Petersburg SBH (top) and USACE Shoalhunter from Seattle in August 2011.