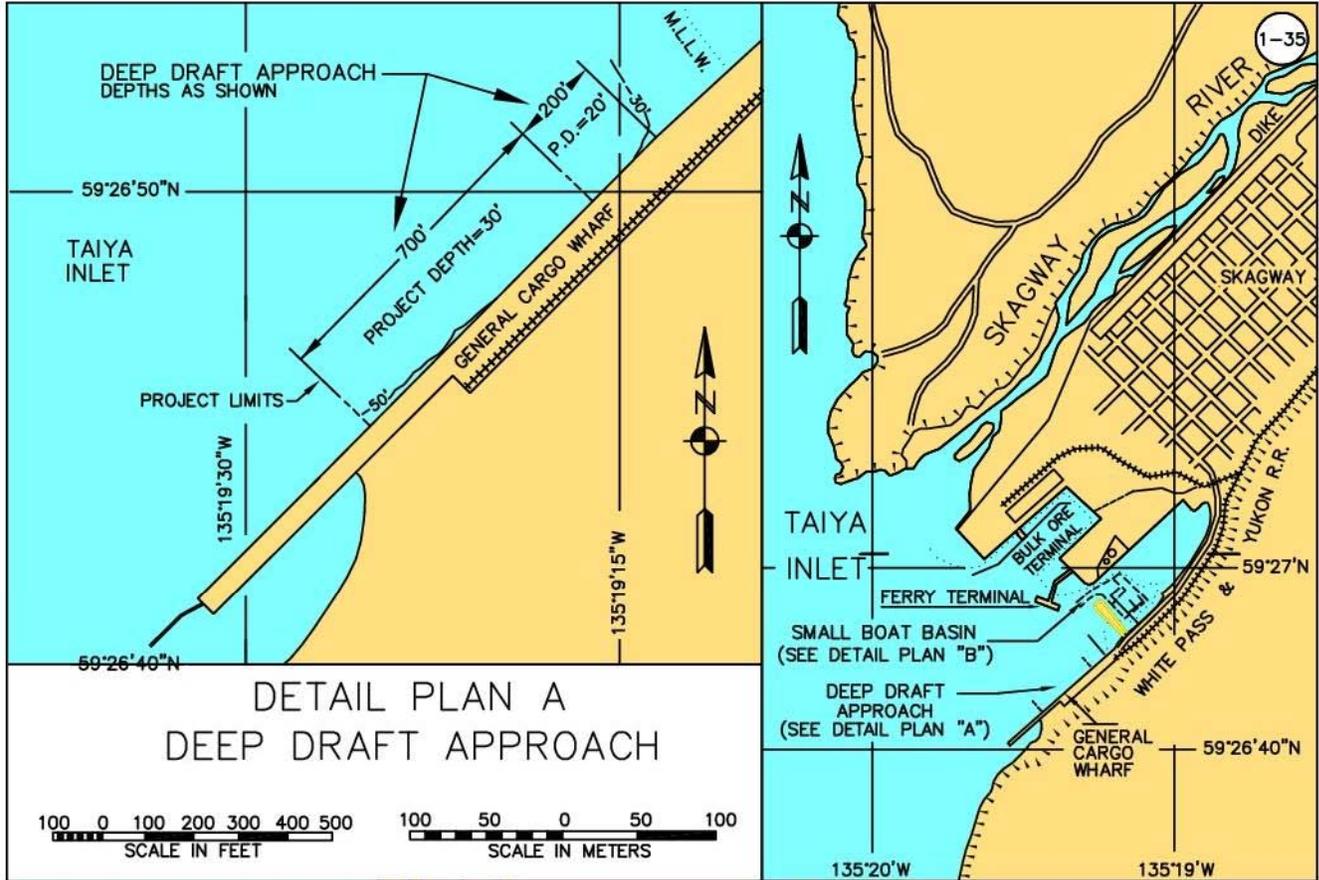
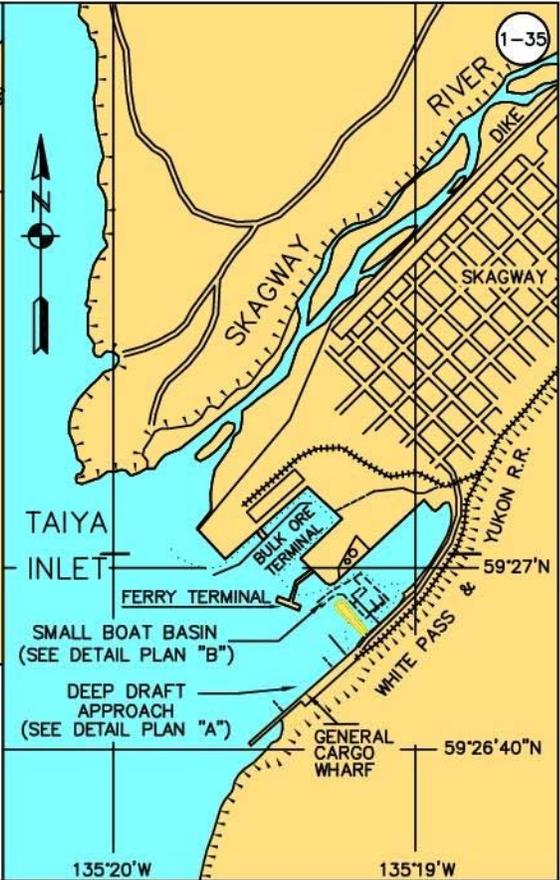


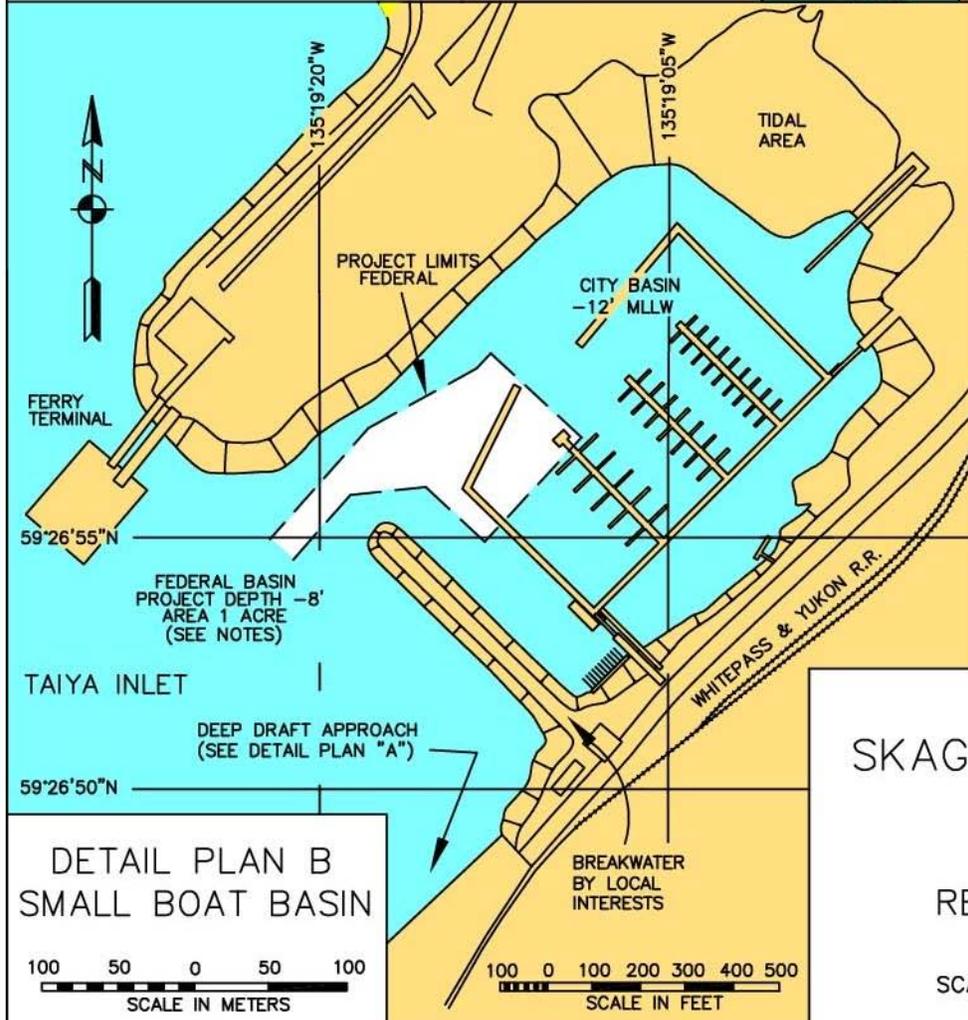
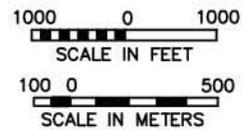
# **SKAGWAY HARBOR**



DETAIL PLAN A  
DEEP DRAFT APPROACH



SKAGWAY  
VICINITY



DETAIL PLAN B  
SMALL BOAT BASIN



- NOTES**
1. SOUNDINGS AND ELEVATIONS ARE BASED ON MEAN LOWER (MLLW = 0.0').
  2. THIS LOCALITY IS SHOWN ON USC & GS CHART NOS. 17300 AND 17317.
  3. ROCK BREAKWATER BY LOCAL INTERESTS IS 450' LONG; DESIGN TOP ELEVATION IS +25'.
  4. FEDERAL SMALL BOAT BASIN WAS DREDGED TO ELEV. -12' BY LOCAL INTERESTS DURING COMBINED CONSTRUCTION. CORPS MAINTENANCE IS TO -8' MLLW.

# SKAGWAY HARBOR ALASKA

REVISED 1996

SCALES: AS SHOWN

**SKAGWAY HARBOR, ALASKA**  
(CWIS NO. 72846)

Condition of Improvement 30 September 2008

**AUTHORIZATION:** Rivers and Harbors Act, 2 March 1945 (House Doc. 746, 79th Congress, 2nd Session) as adopted, provides for dredging at the face of the wharf to a depth of 30 feet below MLLW for the southerly 700 feet, and to a depth of 20 feet below MLLW northerly for the next 100 feet; for dredging part of a small boat basin to a depth of 8 feet below MLLW over an area of 1 acre to the north of the deep-draft wharf.

**PREVIOUS AUTHORIZATION:** Rivers and Harbors Act, 20 June 1938 (House Doc. 547, 75th Congress, 3rd Session) as adopted, provides for construction of a rock, brush, and earth training dike on the left bank of the Skagway River, extending from the 23rd Avenue bridge downstream 6,700 feet, and a rubblemound breakwater 1,800 feet long across the tide flats in a southerly extension of the training dike. Note: This work became part of the Skagway River Flood Control project in accordance with the Flood Control Act of 24 July 1946. (For further information see Project 2-8.)

<b>EXISTING PROJECT:</b>	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Deep Draft Approach . . . . .	900 ft	-30,-20 ft	Varies
• Basin, Federal . . . . .	1.0 acres	-8 ft	
• Entrance Channel . . . . .	240 ft	-8 ft	50-132 ft

**PROJECT USAGE:** The combined project provides protected moorage for locally owned boats and transient fishing vessels, and allows access to the wharf by passenger ships and ocean-going cargo vessels. The small boat harbor is mainly a harbor-of-refuge and temporary port to the many transient fishing vessels operating in the vicinity and re-supplying at Skagway.

**PROGRESS OF WORK:**

- 1940 - The original training dike and breakwater are completed.
- 1958 - The city of Skagway constructs a rubblemound breakwater for the small boat harbor; the project is completed in February.
- 1959 - Dredging under contract commences in April and is completed in May with the removal of 48,600 cubic yards of material from the deep-draft approach and the harbor basin. The city expands the basin 2.5 acres by dredging to -12 feet MLLW.
- 1970 - The Federal project in the small boat basin is dredged in June with the removal of 4,100 cubic yards.
- 1989 - A condition survey of both portions of the Federal project is carried out in March. The survey drawings show that the small boat basin has been expanded by local interests to cover a total of 5.78 acres.
- 1994 - An underwater slide demolishes most of the deep draft dock and causes additional wave generated damage about the harbor. A comparison of the May survey with the November post-slide survey shows an increase of 30 to 50 feet in depth for the Federal project in front of the collapsed dock.

**SKAGWAY HARBOR, ALASKA** (continued)

30 September 2008

- 1995 - A new deep draft dock is constructed by local interests before the summer season with an accessible depth of -35' MLLW. Repair to damage in the small boat harbor is also carried out by local interests. The Alaska Marine Highway float is operational, but other repair work is still pending completion.
- 2000 - The approach opposite to the deep draft wharf and the small boat harbor are surveyed with multi-beam equipment.
- 2003 - Vertical and oblique aerial photography are obtained in May.
- 2004 - The most recent condition survey of the small boat harbor and deep draft dock are conducted in June.
- 2008 - A project condition survey was conducted in June. There is a damaged area near the center of the seaward side of the breakwater. Sloughing and subsidence are apparent but considerable armor still appears to be intact.

**COST TO DATE:**

New Work	\$199,242
Maintenance	\$108,190
Contributed Funds	<u>\$0</u>
Total	\$307,432

\*For further information see Project 2-8.

**RANGE OF TIDE:**

<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
14.0'	16.6'	30.4'

**CONTROLLING DEPTH:** Project depths are available at the Deep Draft Dock and for the federal project at the small boat harbor, June 2008.

## Skagway Harbor



View of the Skagway small boat harbor from the boat launch in June, 2008.



Breakwater between the basin and deep draft approach in June, 2008.