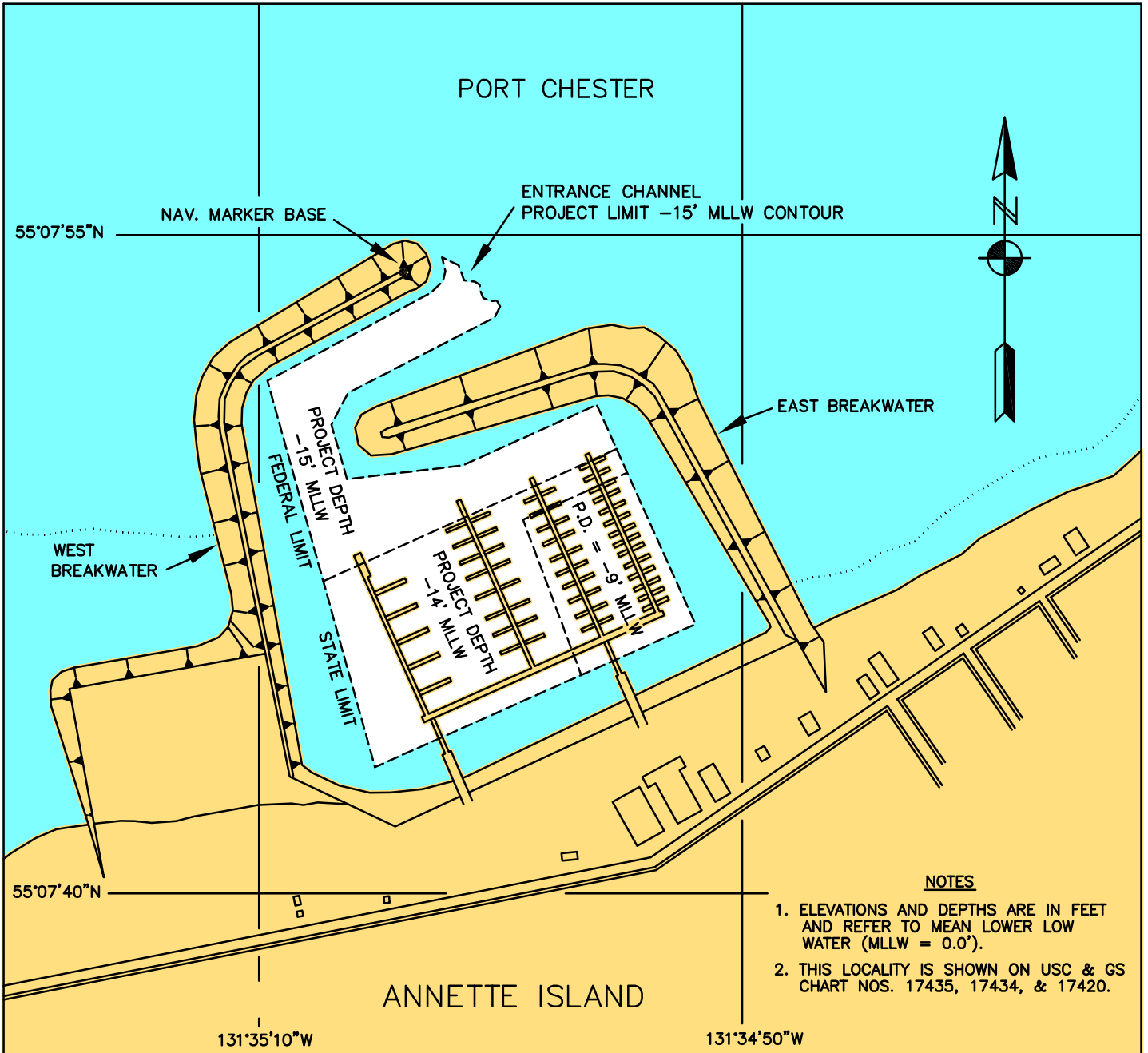
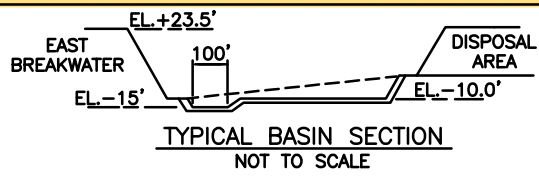
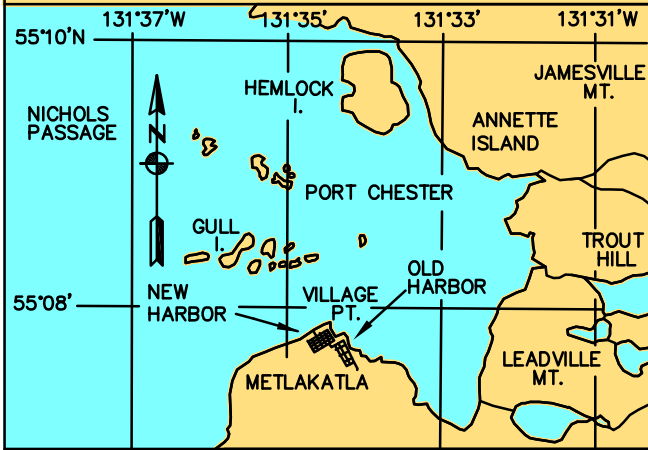


Metlakatla Harbors

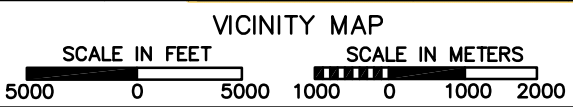
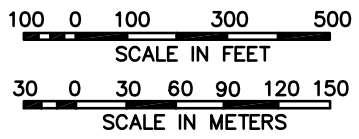


- NOTES**
1. ELEVATIONS AND DEPTHS ARE IN FEET AND REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').
 2. THIS LOCALITY IS SHOWN ON USC & GS CHART NOS. 17435, 17434, & 17420.



**METLAKATLA
NEW HARBOR
ALASKA**

REVISED 1993



Condition of Improvements
30 December 2014
Metlakatla Harbors, Alaska
(CWIS No. 072755 & 076002)

Authorization Original harbor: Rivers and Harbors Act, 2 March 1945, (House Doc. 138, 76th Congress, 1st Session) as adopted, provides for a small boat basin 2.18 acres in area to a depth of -10 feet MLLW, and for construction of a rubblemound breakwater 900 feet long. New harbor: Under Section 201 of the Rivers and Harbors Act, 27 October 1965 (Senate Doc. 92-64, 92nd Congress, 2nd Session) as adopted, and authorized 12 October 1972, provides for construction of two rubble mound breakwaters 2,160 and 600 feet long, and for dredging an entrance channel and maneuvering area 1,000 feet long by 100 feet wide to a depth of -15 feet MLLW.

Table 1

Existing Project	Length ft.	Width ft.	Depth ft.
Original Harbor			
Mooring Basin	2.18 acres		-10
Breakwater	900		
New Harbor			
Basin (maintained by others)	5.83 acres		-9
Entrance Channel & Maneuvering Area	1260	100	-15
East Breakwater	1150		
West Breakwater	1255		

Project Usage The original basin provides protection for 63 fishing vessels based in the area, but requires boats to tie up three and four abreast. The new harbor relieves overcrowding and provides for boats too large to use the original basin. Mooring capacities are 42 boats in the original basin, and 100 boats in the new basin. The local economy is based on fishing, fish processing, and logging.

Progress of Work

Original Harbor

1956	The original harbor is constructed from April through June.
1973	A contract for maintenance dredging is awarded in June and completed in September with 1,146 cubic yards removed from the old harbor.
1995	A condition survey of the harbor is conducted in January.
2003	A condition survey of the harbor is conducted in April.
2005	Aerial photography is taken of the harbor in April.
2007	A condition survey of the harbor is conducted in May.
2009	CEPD required NOAA Tidal Determination performed at harbor.
2010	A condition survey of the harbor is conducted in September.
2012	Comprehensive Evaluation of Project Datums (CEPD) Compliance report completed and recorded in September.

New Harbor

1976	Modification of the new harbor is completed during the design stage with the project taking on its current dimensions.
1979	Construction of the new harbor begins in September.
1981	New harbor construction is essentially complete with the removal of some isolated rock remaining.
1984	Work is physically completed on the New Harbor; some contractor claims still pending.
1995	A condition survey of the harbor is conducted in January.
2003	A condition survey of the harbor is conducted in April.
2005	Aerial photography is taken of the harbor in April.
2007	A condition survey of the harbor is conducted in May.
2009	CEPD required NOAA Tidal Determination performed at harbor.
2010	A condition survey of the harbor is conducted in September.
2012	Comprehensive Evaluation of Project Datums (CEPD) Compliance report completed and recorded in September.

Table 2 Cost to Date

Project	Description	Cost \$
76002	CG Appropriation	5,043,124
	CG Costs	5,043,124
	CG Contributed Appropriation	1,127,406
	CG Contributed Costs	1,127,406
	O&M Appropriation	154,701
	O&M Costs	154,701

Table 3 Range of Tides in feet

Tide Station	Mean Range	Diurnal Range	Extreme Range
945 0314 Metlakatla AK	12.43	14.87	-

Controlling Depth In the original harbor -8.5 feet MLLW near the limit at corner 4 is the controlling depth. About 98% of the original harbor is below project depth. In the new harbor a depth of -12.6 feet MLLW on the inner bank limit with -14.6 feet MLLW in the entrance channel and -14.5 feet MLLW in the harbor. About 93% of the new harbor is below project depth.

Metlakatla Harbors, Metlakatla, Alaska



Aerial of New Harbor, 2009.



Oblique of New Harbor, 2005.

Metlakatla Harbors, Metlakatla, Alaska



Aerial of Old Harbor, 2009.



Oblique of Old Harbor (foreground) and New Harbor (background), 2005.