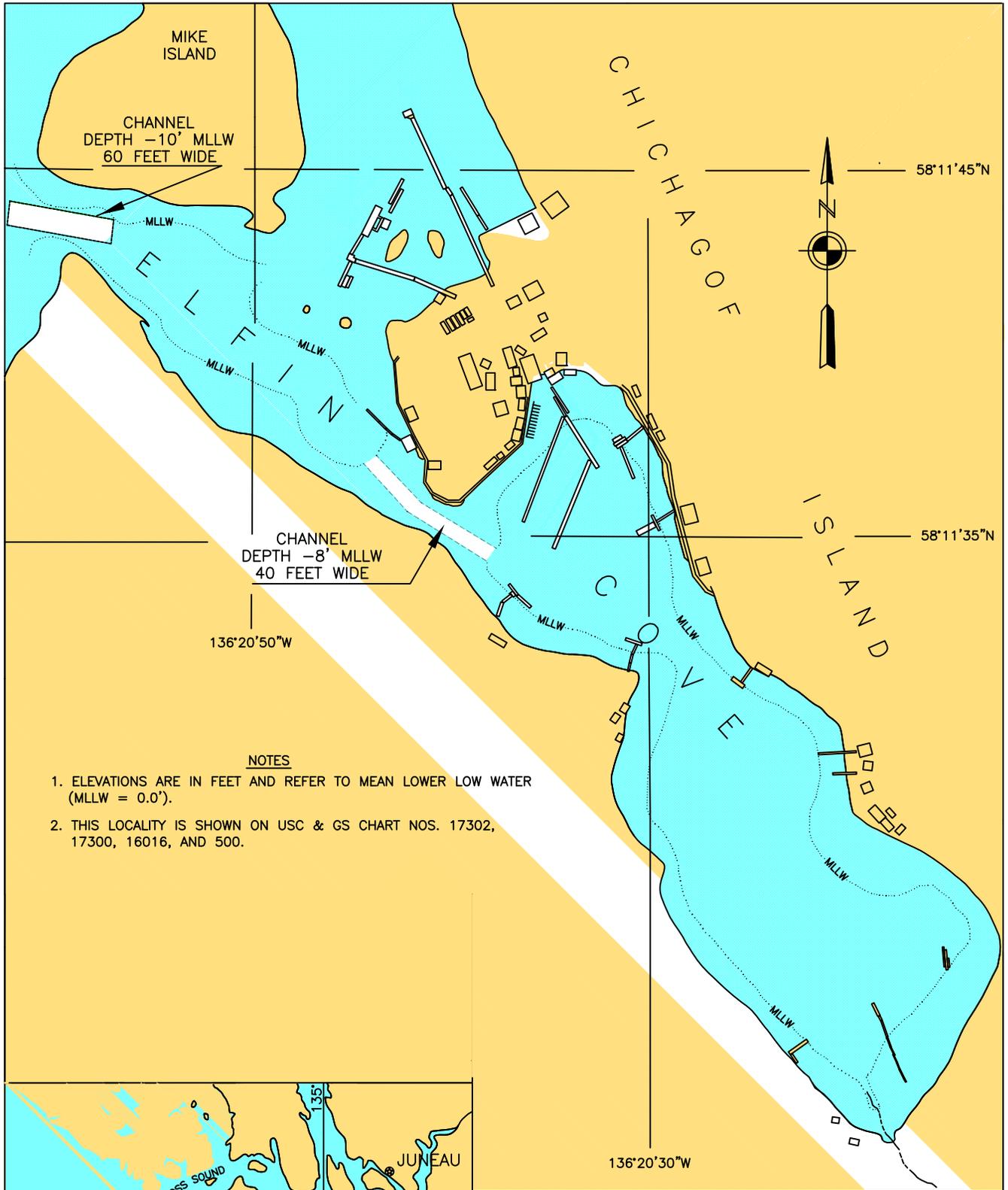
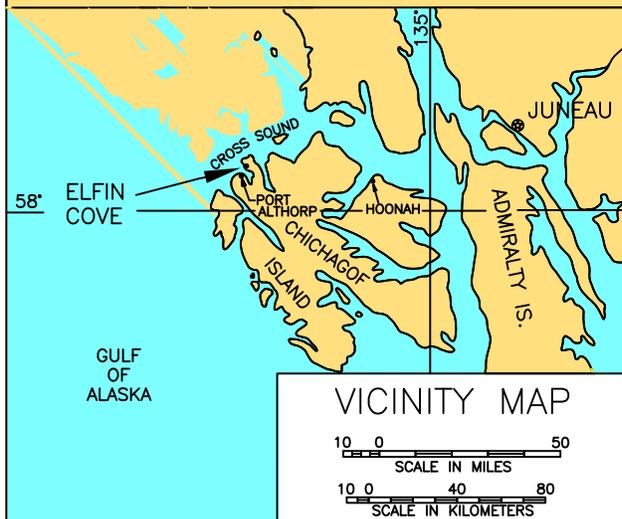


# Elfin Cove



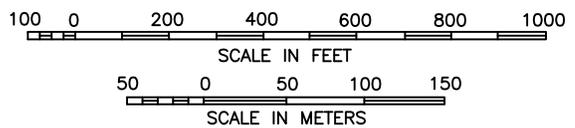
NOTES

1. ELEVATIONS ARE IN FEET AND REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').
2. THIS LOCALITY IS SHOWN ON USC & GS CHART NOS. 17302, 17300, 16016, AND 500.



# ELFIN COVE ALASKA

REVISED 2011



Condition of Improvements  
30 December 2014  
**Elfin Cove, Alaska**  
(CWIS No. 072793)

**Authorization** Rivers and Harbors Act, 2 March 1945 (House Doc. 579, 76th Congress, 3rd Session) as adopted, provides for an outer entrance channel 60 feet wide and 10 feet deep MLLW, and an inner entrance channel 40 feet wide and 8 feet deep MLLW.

**Table 1**

<b>Existing Project</b>	<b>Length ft.</b>	<b>Width ft.</b>	<b>Depth ft.</b>
Outer Channel	300	60	-10
Inner Channel	574	40	-8

**Project Usage** Elfin Cove is mainly a harbor of refuge that also supports a small local fleet of commercial fishing vessels. It is one of two protected harbors in the vicinity of the busy fishing grounds of Cross Sound. The channels give all tide access to a natural landlocked anchorage basin of approximately 50 acres that is almost totally shielded from the wind. Three hundred small boats operating in the vicinity seek shelter from storms and obtain supplies at Elfin Cove.

**Progress of Work**

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1957	Dredging of the inner channel begins in November.
1958	New work continues with dredging of the outer channel beginning in April. The project is successfully completed in May. Removal of 2,730 cubic yards of rock and 2,146 cubic yards of common material is reported.
1992	A condition survey is performed in July.
2003	A condition survey is conducted in May. Vertical and oblique aerial photography is also taken in May.
2007	A condition survey is conducted in May.
2011	A condition survey is conducted in July.
2012	“Comprehensive Evaluation of Project Datums” Compliance report completed and recorded in September.

**Table 2 Cost to Date**

<b>Project</b>	<b>Description</b>	<b>Cost \$</b>
072793	CG Costs	412,591
	O&M Costs	25,000

**Table 3 Range of Tides in feet**

<b>Tide Station</b>	<b>Mean Range</b>	<b>Diurnal Range</b>	<b>Extreme Range</b>
945 2634 Elfin Cove AK	8.67	11.02	19.64

**Controlling Depth** For the Outer Channel a depth of -4.6 feet MLLW controls and for the Inner Channel a depth of -4.2 feet MLLW controls, July 2011.

# Elfin Cove, Alaska



Southeast oblique of Elfin Cove, 2011.



Elfin Cove, 2011.