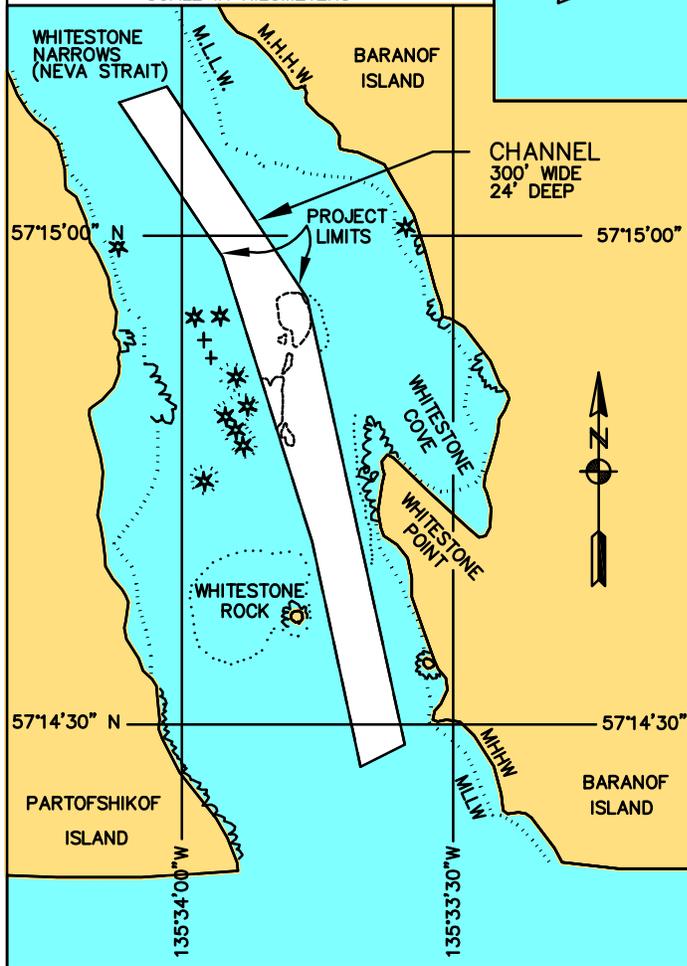
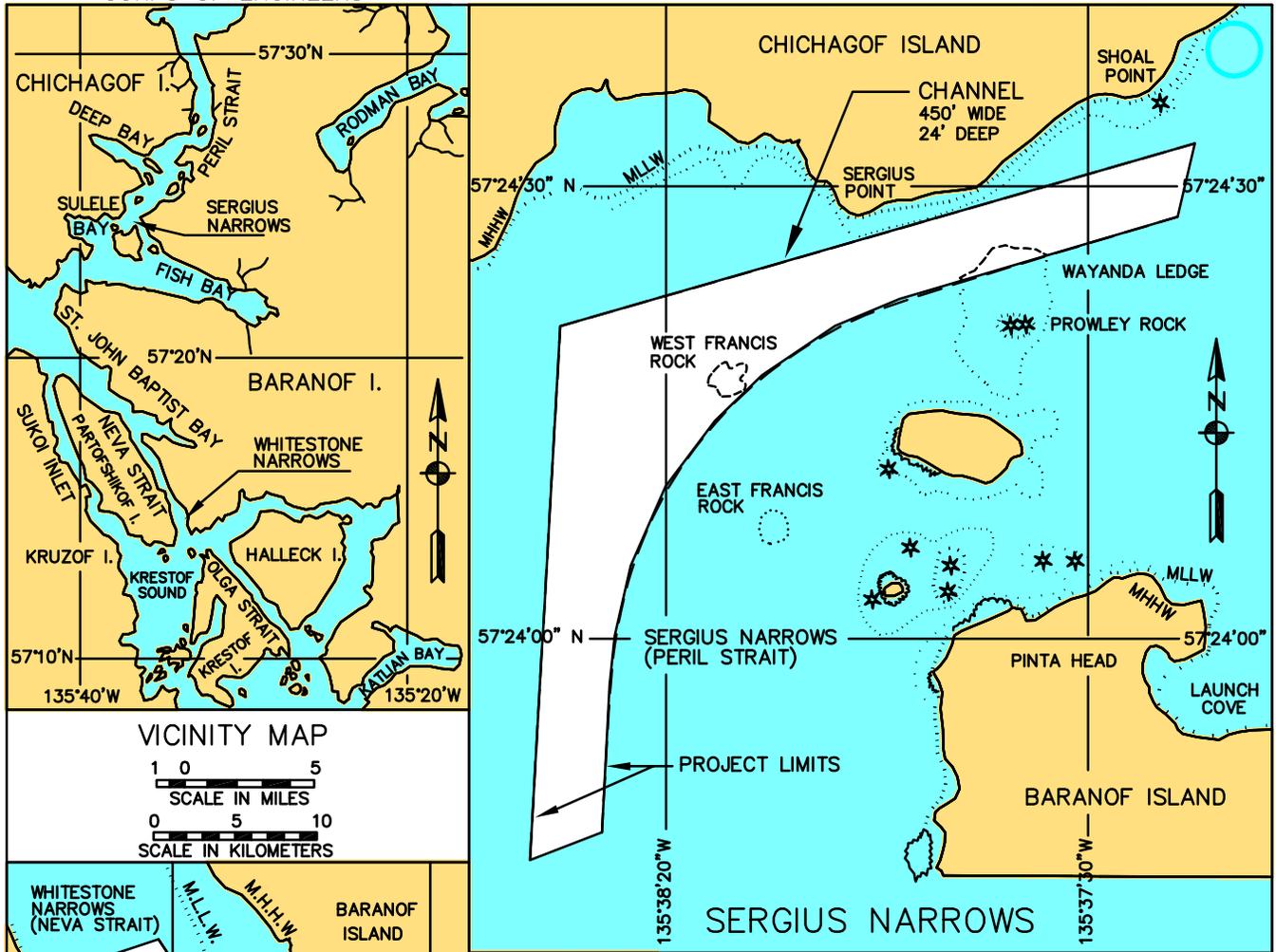


**SERGIUS &  
WHITESTONE  
NARROWS**



NOTES

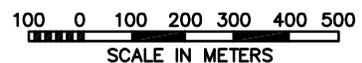
1. THIS LOCALITY IS SHOWN ON THE FOLLOWING USC & GS CHARTS:  
 GENERAL AREA 17320  
 SERGIUS NARROWS 17323  
 WHITESTONE NARROWS 17324
2. ELEVATIONS AND SOUNDINGS ARE BASED ON MEAN LOWER LOW WATER (MLLW = 0.0').

LEGEND

- SHORE OUTCROP
- MAJOR SHOAL (APPROXIMATE)
- EXCAVATED SHOALS
- PINNACLE - UNCOVERS
- PINNACLE - SUNKEN
- MLLW

SERGIUS AND WHITESTONE NARROWS, ALASKA

REVISED 1993



WHITESTONE NARROWS

**SERGIUS AND WHITESTONE NARROWS, ALASKA**  
 (Peril & Neva Straits, Alaska)  
 (CWIS NO. 72744)

Condition of Improvement 30 September 2005

**AUTHORIZATION:** River and Harbor Act, 13 August 1968 (Senate Doc. 95, 90th Congress, 2nd Session) as adopted, provides for a channel through Sergius Narrows 450 feet wide to a depth of -24 feet MLLW, and modification of the previous project at Neva Strait by widening the channel to 300 feet with a depth of -24 feet MLLW through Whitestone Narrows.

**PREVIOUS AUTHORIZATION:** River and Harbor Act, 3 September 1954 (House Doc. 414, 83rd Congress, 2nd Session) as adopted, provides for improvement of Neva Strait by widening and deepening a channel through Whitestone Narrows to 200 feet in width and -24 feet in depth.

<b>EXISTING PROJECT:</b>	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Channel (Sergius Narrows) . . . . .	8000 ft	-24 ft	450 ft
• Channel (Whitestone Narrows) . . . . .	4570 ft	-24 ft	300 ft

**PROJECT USAGE:** The channels provide protected passage for vessels traveling from Sitka Harbor to the Inside Passage. Improvement of the channels permits use of the passage by all commercial vessels serving the Sitka area, including fishing craft, cargo vessels, log raft tows, and the State ferries.

**PROGRESS OF WORK:**

- 1959 - Work on the previous project is begun in Whitesone Narrows with the drilling and blasting of rock in June. The channel is completed to project dimensions in September with the removal of 6,135 cubic yards of ledge rock.
- 1971 - Drilling and blasting of rock begins in December for the enlargement of Whitestone Narrows and the initial construction of the channel at Sergius Narrows.
- 1972 - Work continues until completion in December with a total of 25,902 cubic yards of rock removed from Sergius Narrows and 21,534 cubic yards of rock from Whitestone Narrows.
- 1997 - Hydrographic surveys are performed in March.
- 2001 - Multi-beam surveys provide complete survey coverage of both projects in April and May.
- 2003 - Aerial photography is taken of both projects in May.
- 2005 - The most recent condition survey is conducted in May with single beam techniques.

<b>COST TO DATE:</b>	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
Previous Project	\$ 155,009	\$ 6,906	\$ 161,915
Existing Project	\$ 1,798,010	\$ 7,154	\$ 1,805,164
Totals	\$ 1,953,019	\$ 14,060	\$ 1,967,079

**SERGIUS AND WHITESTONE NARROWS, ALASKA** (continued)

30 September 2005

<b>RANGE OF TIDE:</b>	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
Whitestone Narrows	7.8'	9.9'	18.0'
Sergius Narrows	10.9'	13.3'	20.5'

**CONTROLLING DEPTH:** For Sergius Narrows, project depth is available at a width of 270 feet for the 450 foot wide channel. Navigation hazards are located with buoys and other aids to navigation. For Whitestone Narrows, a depth of -13.7 feet MLLW controls along the southwest portion of Whitestone Point, May 2005.

## Sergius and Whitestone Narrows, Alaska



High aerial oblique of Sergius Narrows, arrow indicates the project location, May 2003.



Aerial oblique view of Whitestone Narrows, May 2003.