

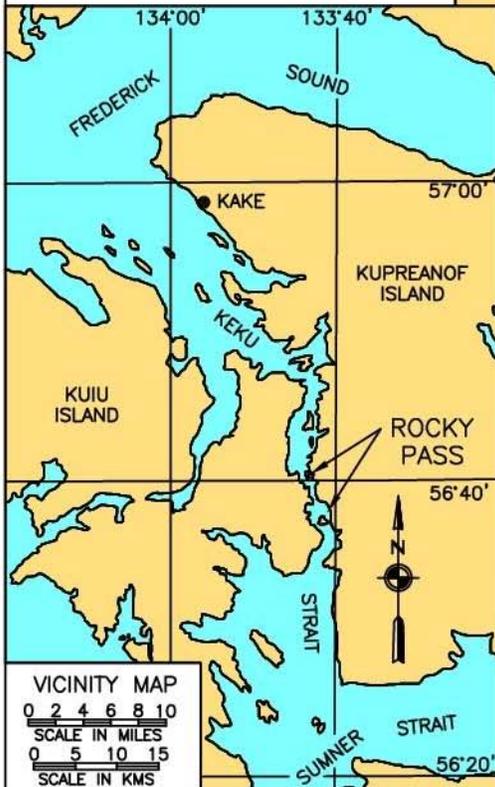
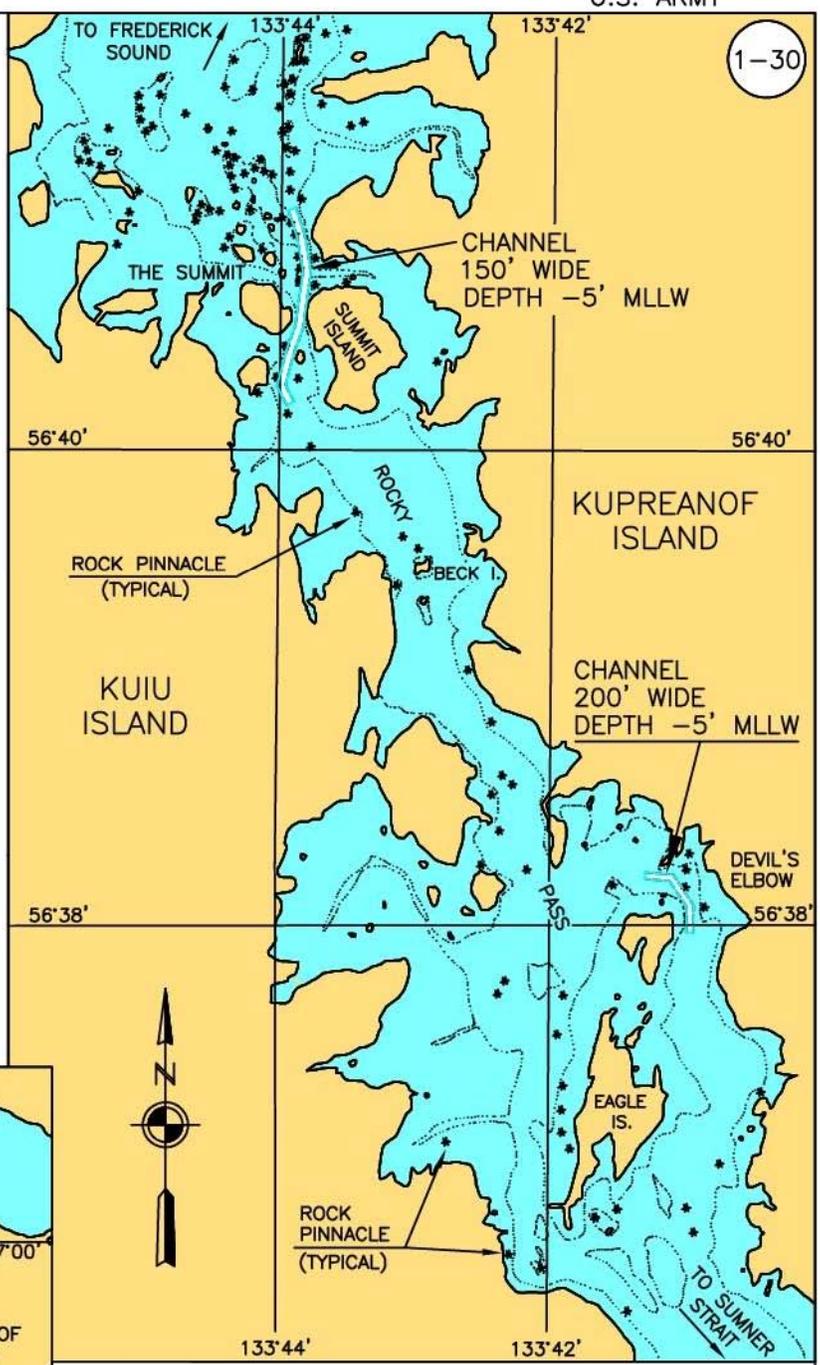
**ROCKY PASS IN  
KEKU STRAIT**

METRIC CONVERSIONS

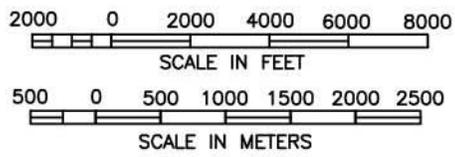
FEET	METERS	FEET	METERS
0.5	0.15	21	6.40
2	0.61	32.0	9.75
3.8	1.16	35.0	10.7
4	1.22	37.0	11.3
5	1.52	50.0	15.2
6	1.83	60	18.29
7.5	2.29	169	51.51
8	2.44	293	89.31
10.0	3.05	300	91.44
FEET	METERS	POUNDS	KILO-GRAMS
400	121.92	25	11.3
569	173.41	500	226.5
575	175.26	1500	679.5
600	182.88	3000	1359.0
619	188.67		
625	190.50		
SQUARE FEET	HECTARES		
43,560	0.405		

NOTES

1. THIS LOCALITY IS SHOWN ON USC & GS CHART NO. 17372.
2. ELEVATIONS AND DEPTHS ARE IN FEET AND REFER TO MEAN LOWER LOW WATER (MLLW = 0.0').



ROCKY PASS  
IN  
KEKU STRAIT, ALASKA  
REVISED 1993



**ROCKY PASS IN KEKU STRAIT, ALASKA**  
(CWIS NO. 72762)

Condition of Improvement 30 September 2007

**AUTHORIZATION:** Rivers and Harbors Act, 3 September 1954 (House Doc. 414, 83rd Congress, 2nd Session) as adopted, provides for a channel to a depth of 5 feet below MLLW by removal of obstructions at 17 separate locations. The channel widths are to vary according to difficulties encountered in navigation; channel width to be 150 feet at the Summit and 200 feet at Devil's Elbow.

<b>EXISTING PROJECT:</b>	<u>LENGTH</u>	<u>DEPTH</u>	<u>WIDTH</u>
• Entire pass . . . . .	18 mi.		
• The Summit . . . . .	5000 ft	-5 ft	150 ft
• Devil's Elbow . . . . .	1700 ft	-5 ft	200 ft

**PROJECT USAGE:** Removal of hazards in the channel creates the shortest safe passage through central Southeastern Alaska for vessels with drafts up to 12 feet including tugboats, fishing vessels, cannery tenders, and log rafts.

**PROGRESS OF WORK:**

- 1958 - A joint contract with the Dry Pass project is awarded in October.
- 1959 - Blasting and rock removal begins in September.
- 1960 - The channel is completed to project depths and widths in January.
- 1977 - A condition survey is conducted in January.
- 2001 - A condition survey is conducted in April with multi-beam techniques.
- 2005 - Vertical and oblique aerial photography is taken in April.
- 2007 - The most recent condition survey is conducted in May.

<b>COST TO DATE:</b>	<u>New Work</u>	<u>Maintenance</u>	<u>Total</u>
	\$ 337,668	\$ 78,513	\$ 416,181

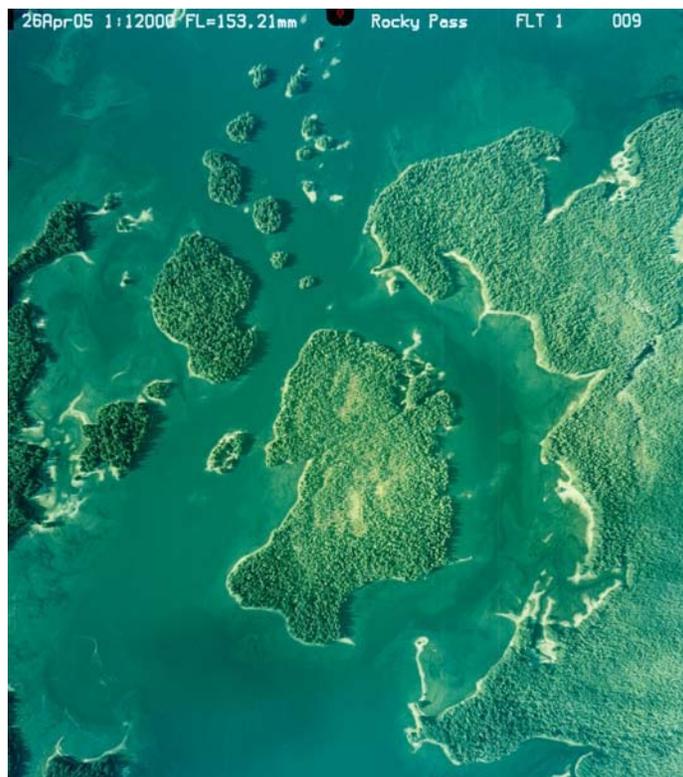
<b>RANGE OF TIDE:</b>	<u>Mean Range</u>	<u>Diurnal Range</u>	<u>Extreme Range</u>
The Summit	13.2'	15.7'	23.5'
Beck Island	11.5'	13.8'	21.5'

**CONTROLLING DEPTH:** For Devil's Elbow, a depth of -2.5 feet MLLW controls. For The Summit, a depth of -4.0 feet MLLW controls from the May 2007 condition survey.

# Rocky Pass



Aerial view of Devil's Elbow in Rocky Pass, 2005.



Aerial view of The Summit in Rocky Pass, 2005.