NAUTICAL CHART 18423 *(formerly 184-SC)*

BELLINGHAM TO EVERETT
Including San Juan Islands
WASHINGTON

MERCATOR PROJECTION AT SCALE 1:80,000
SOUNDINGS IN FATHOMS
(FATHOMS AND FEET TO ELEVEN FATHOMS)
AT MEAN LOWER LOW WATER IN U. S. TERRITORY
AT LOWEST NORMAL TIDES IN CANADIAN TERRITORY

HEIGHTS
Heights in feet above Mean High Water

AUTHORITIES
Hydrography and topography by the National Ocean Survey (formerly the Coast and Geodetic Survey) with additional data from the Corps of Engineers, Geological Survey, Defense Mapping Agency and U.S. Coast Guard.

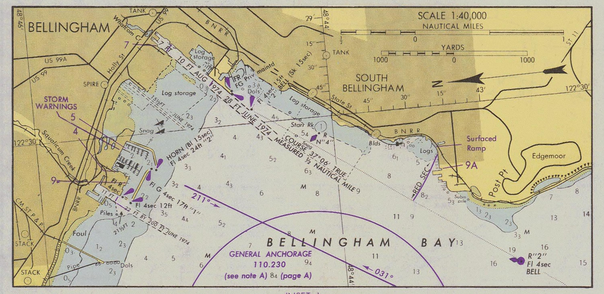
ABBREVIATIONS
For complete list of Symbols and Abbreviations, see Chart No. 1

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information

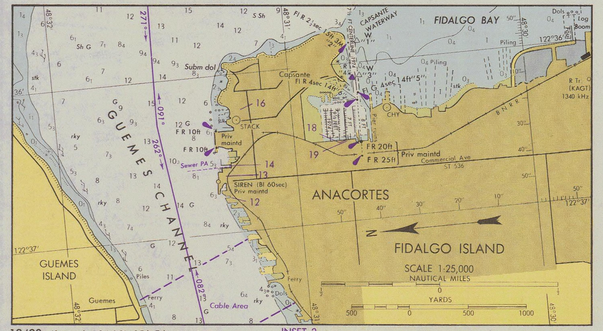
CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the print date shown in the lower left hand corner.

COURSES
Distances are given in International Nautical Miles. Courses are TRUE and must be CORRECTED for any variation and compass deviation.

Published at Washington, D. C.
U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

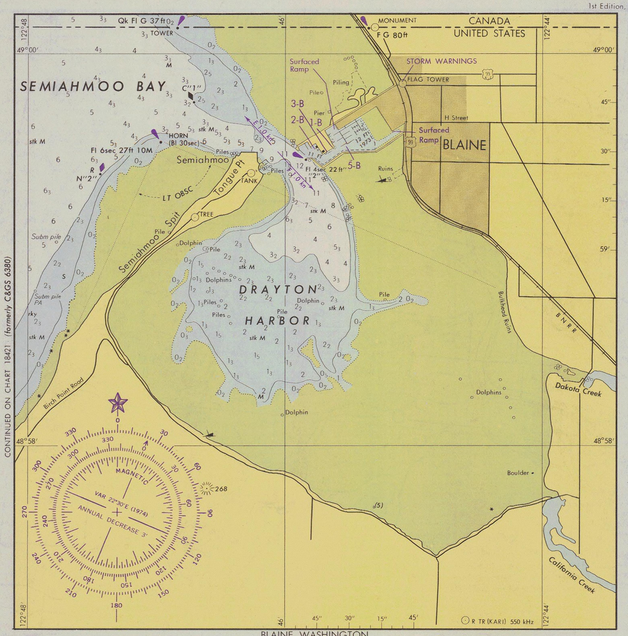


INSET 1



INSET 2

1st Edition, 1960

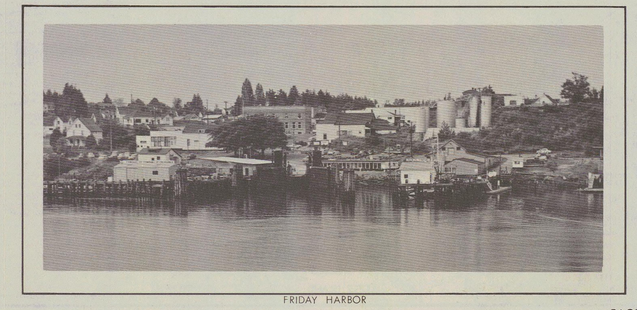


CONTINUED ON CHART 18421 *(formerly C&GS 6380)*

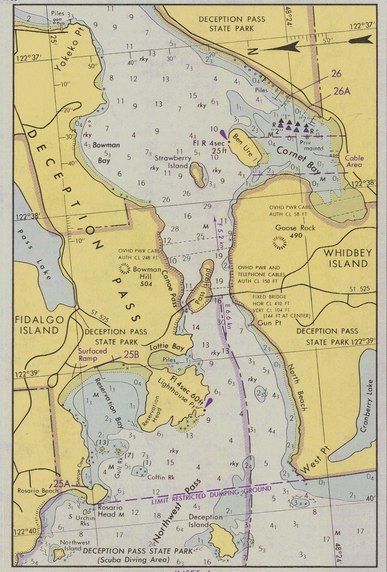
BLAINE, WASHINGTON
SCALE 1:30,000
NAUTICAL MILES
YARDS

LOGARITHMIC SPEED SCALE

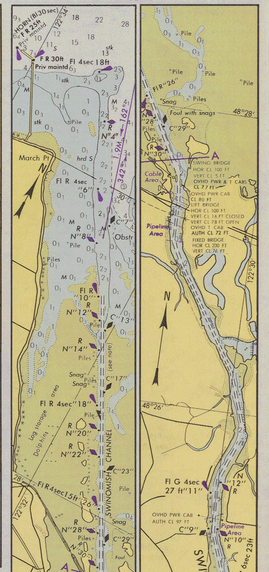
To find SPEED, place one point of dividers on nautical miles run and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in knots. Example: with 4.0 miles run in 15 minutes, the speed is 16.0 knots.

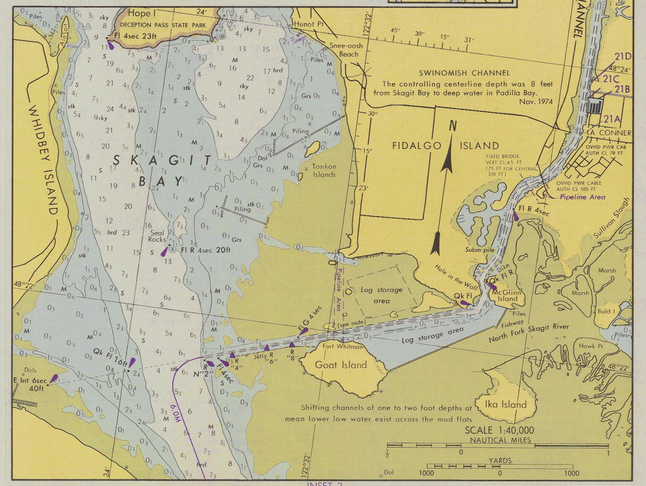


FRIDAY HARBOR



INSET 4
SCALE 1:25,000
NAUTICAL MILES
YARDS





INSET 3

SAFETY HINTS

1. Keep your chart up to date by applying all Notices to Mariners corrections when you receive them.
2. Read carefully all notes printed on your chart, each is vital to your safety afloat.
3. Learn the meaning of each symbol and abbreviation on your chart from Chart No. 1
4. The compass on your chart shows the variation from true north, however you must also correct your bearing for the deviation of your boat.
5. Constantly use your chart from the beginning to end of each trip. Keep in mind the orientation of your boat with respect to the chart.
6. Maintain your position on the chart by relating charted features with those you can identify in your surroundings.
7. Storm warning display locations and small craft warning signals have been charted for your safety.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NATIONAL WILDLIFE REFUGE
The following areas have been designated as National Wildlife Refuge Areas: Bare Island, Bird Rocks, Buck Island, Colville Island, Jones Island, Matia Island, Minor Island, Smith Island, Turn Island and Williamson Rocks.

SYMBOLS AND ABBREVIATIONS
(For complete list of Symbols and Abbreviations, see Chart No. 1)

Navigation aids.
- Light (On fixed structure)
- DFS distance finding station
- Unlighted buoy (C. can, N. nun, S. spar, Bell, Gong, Horn, Whistle)
- Danger or junction buoy
- Lighted buoy
- Landmark
- Bn daybeacon
- Mid-channel buoy
- Anchorage buoy
- R. Bn. radiobeacon
- AERO. aeronautical
- Fish trap buoy
- Mooring buoy

Light characteristics: (Lights are white unless otherwise indicated.)

F. fixed	I. Qk. interrupted quick	G. green	M. nautical miles	Bl. blast
Fl. flashing	E. Int. equal interval	R. red	DIA. diaphone	Sk. stroke
Gp. group	Occ. occulting	m. minutes	WHIS. whistle	
Alt. alternating	Mo. (A) morse code	sec. seconds	OBSC. obscured	
Qk. quick	Rot. rotating	ft. feet	SEC. sector	

Bottom characteristics:

Cl. clay	M. mud	Oys oyster	stk. sticky	gn. green
Co. coral	Rk. rock	hrd. hard	bk. black	gy. gray
G. gravel	S. sand	rky. rocky	br. brown	wh. white
Grs. grass	Sh. shells	sft. soft	bu. blue	yl. yellow

Dangers:
- Sunken wreck
- Visible wreck
- Rocks
- 21 Wreck, rock, obstruction, or shoal swept clear to the depth indicated
- (2) Rocks that cover and uncover, with heights in feet above datum of soundings

AUTH. authorized; Obstr. obstruction; P.A. position approximate; E.D. existence doubtful

Currents:
- E 0.6 kn ebb current with average maximum velocity of 0.6 knot.
- F 0.5 kn flood current with average maximum velocity of 0.5 knot.

FACILITIES
Locations of public marine facilities are shown by large purple numbers with leaders and refer to the facility tabulation.

RULES OF THE ROAD
(ABRIDGED)

Motorless craft have the right-of-way in almost all cases.
Sailing vessels and motorboats less than sixty-five feet in length, shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.
A motorboat being overtaken has the right-of-way.
Motorboats approaching head to head or nearly so should pass port to port. When motorboats approach each other at right angles or obliquely, the boat on the right has the right-of-way.
Motorboats must keep to the right in narrow channels, when safe and practicable.
Mariners are urged to become familiar with the complete text of the rules of the road in pamphlet CG-169. The pamphlet may be obtained free from the local Coast Guard Marine Inspection Office.

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Hydrographic Center Publication H.O. 117 (A&B).
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
- (Accurate location)
- " (Approximate location)

DISTRESS SIGNALS
DAY: Slowly and repeatedly raise and lower arms outstretched to each side.
NIGHT: Flames on the boat as from a burning tar barrel, oil barrel, and so forth.
DAY OR NIGHT: Continuous sounding of fog signal apparatus, or firing a gun.

FOG SIGNALS
WHILE UNDERWAY
Motorboats: Prolonged blast every minute.
Sailboats: When on starboard tack one blast, port tack 2 blasts and wind abaft of beam 3 blasts.
Boats towing or towed: One prolonged and 2 short blasts every minute.
AT ANCHOR
All boats: 5 seconds of bell every minute.

LIGHT VISIBILITY
The shorter of either the nominal or the geographic range is charted. See U.S. Coast Guard Light List for additional information.
See Canadian Light List for information on Canadian waters.