NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

Formerly C&GS 6461 1st Ed., July 1947 C-1948-731

SOUNDINGS IN FEET

18457

KAPP 1927

CONTINUED ON CHART 18448

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:
Pipeline Area — Cable Area
Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

PUGET SOUND VESSEL TRAFFIC SERVICES AREA (see note B)
REGULATED NAVIGATION AREA 165.1301 & 165.1303 (see note A)

OAKLAND BAY
SHELTON
CARMILL STATION
Goldsborough Creek
Munson Pt
Eagle Pt
Miller Pt
HAMMERSLEY INLET
Agate
Skookum Pt
Church Pt
Nautical Mile
Yards

JOINS SECTION BELOW

KAPP 1718

CONTINUED ON CHART 18448

COLREGS, 80.1395 (see note A)
International Regulations for Preventing Collisions at Sea, 1972
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

NOTE B
The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in the Puget Sound area. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161; the U.S. Coast Pilot, and/or the VTS User's Manual. The entire area of the chart falls within the Vessel Traffic Services (VTS) system.

HAMMERSLEY INLET
PICKERING PASSAGE
SQUAXIN ISLAND
SQUAXIN PASSAGE
TOTTEN INLET
ARCADIA
HOPE I
Hungerford Pt
Cape Horn
Carney Pt
Skookum Pt
Libby Pt
Church Pt
Mill Creek
Forbes Lake
Potlatch Pt
Pelela Bay
Seafarm Cove
PEALE PASSAGE
Balsspox Pt

JOINS SECTION ABOVE

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.652" southward and 4.517" westward to agree with this chart.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Seattle, WA	KHB-60	162.55 MHz

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.
Refer to charted regulation section numbers.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SOURCE
B4 1900-1939 NOS Surveys partial bottom coverage

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

UNITED STATES - WEST COAST
WASHINGTON

PUGET SOUND

HAMMERSLEY INLET TO SHELTON

Mercator Projection
Scale 1:10,000 at Lat. 47°12'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained at nauticalcharts.noaa.gov.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green		Mo morse code		R BR radio tower
Al alternating	iQ interrupted-quick		N nun		Rot rotating
B black	Iso isophase		OBSC obscured		s seconds
Bn beacon	LT HO lighthouse		Oc occulting		SEC sector
C can	M nautical mile		Or orange		St M statute miles
DIA diaphone	m minutes		Q quick		VQ very quick
F fixed	MICRO TR microwave tower		R red		W white
Fl flashing	Mkr marker		Ra Ref radar reflector		WHIS whistle
			R Bn radiobeacon		Y yellow

Bottom characteristics:

Bldr boulders	Co coral	gr gray	Oys oysters	so soft	
bk broken	G gravel	h hard	Rk rock	Sh shells	
Cy clay	Grs grass	M mud	S sand	sy sticky	

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.

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.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography (from surveys of 1936) and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

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

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)			
		Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
Name	(LAT,CNG)	feet	feet	feet	feet
Arcadia	(47°12'N / 122°56'W)	14.4	13.4	3.0	-5.0
Shelton	(47°13'N / 123°05'W)	14.2	13.2	2.6	-5.0

(Dec 2005)

CONTINUED ON CHART 18448

CONTINUED ON CHART 18456

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

This chart is canceled. No new editions will be issued.

10th Ed., Jan. 2006. Last Correction: 2/7/2022. Cleared through:
LNM: 1922 (5/10/2022); NM: 2222 (5/26/2022); CHS: 0422 (4/28/2022).

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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