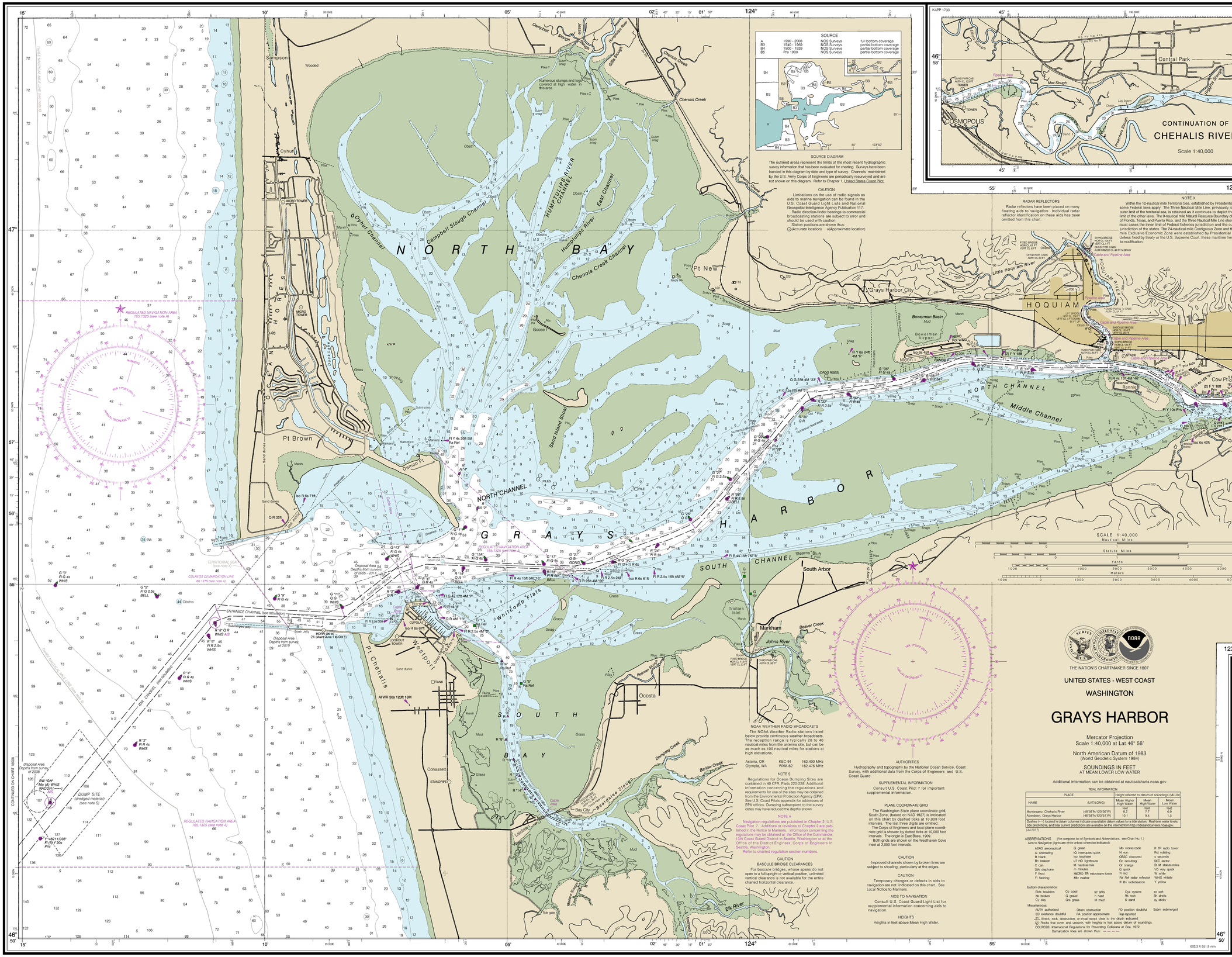
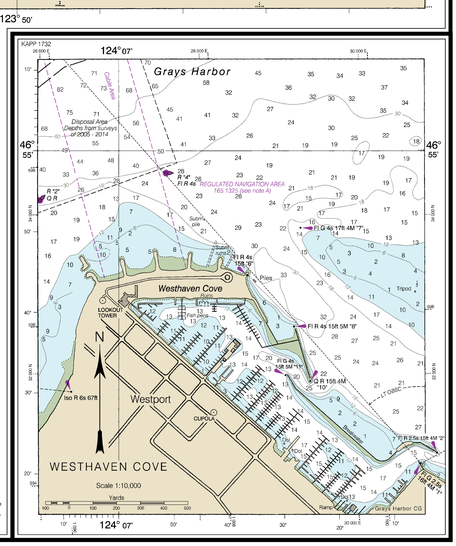
NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

Formerly C&GS 6195, 1st Ed., June 1892 C-1942-576 KAPP 1731





Source diagram

A	1990 - 2008	NOS Surveys	full bottom coverage
B3	1940 - 1969	NOS Surveys	partial bottom coverage
B4	1900 - 1939	NOS Surveys	partial bottom coverage
B5	Pre 1900	NOS Surveys	partial bottom coverage

Caution

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

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)

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.

Caution

Bascule bridge clearances

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

Authorities

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers and U.S. Coast Guard.

Supplemental information

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

Plane coordinate grid

The Washington State plane coordinate grid, South Zone, (based on NAD 1927) is indicated on this chart by dashed ticks at 10,000 foot intervals. The last three digits are omitted.

The Corps of Engineers and local plane coordinate grid is shown by dotted ticks at 10,000 foot intervals. The origin is East Base, 1909.

Both grids are shown on the Westhaven Cove inset at 2,000 foot intervals.

Caution

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

Caution

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

Aids to navigation

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

Heights

Heights in feet above Mean High Water.

Noaa weather radio broadcasts

The NOAA Weather Radio stations listed below provide 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.

Astoria, OR	KEC-91	162.400 MHz
Olympia, WA	WXM-42	162.475 MHz

Notes

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

Note A

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Caution

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Aids to navigation

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

Heights

Heights in feet above Mean High Water.

Tidal information

Place		Height referred to datum of soundings (MLLW)		
Name	(Lat/Long)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Montesano, Chehalis River	(46°58'N/123°36'W)	8.2	7.7	0.9
Aberdeen, Grays Harbor	(46°58'N/123°51'W)	10.1	9.4	1.5

Dashes (– –) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

(L4 2577)

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

Aids to Navigation (lights are white unless otherwise indicated)

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

Bottom characteristics:

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

Miscellaneous:

AUTH authorized
ED existence doubtful
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged
Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
Rocks that cover and uncover, with heights in feet above datum of soundings.

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.

Demarcation lines are shown thus: — — — —

Grays Harbor project depths (see note)

Name of channel	Project depth (feet)
Bar channel	48
Entrance channel	45
Pt Chehalis reach	40
South reach	36
Crossover channel	36
North channel	36
Coquam reach	36
Cow Point reach	36
Aberdeen reach	32
Turning basin	32
Thence to Cosmopolis	32

Project depths

Channel legends and tabulations, where indicated, reflect the U.S. Army Corps of Engineers (USACE) project depths. The channel may be significantly shoaler, particularly at the edges. For detailed channel information and minimum depths as reported by USACE, use NOAA Electronic Navigational Charts. USACE surveys and channel condition reports are available at http://navigation.usace.army.mil/Survey/Hydro.

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 0.62"southward and 4.61" westward to agree with this chart.

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).

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - WEST COAST

WASHINGTON

GRAYS HARBOR

Mercator Projection
Scale 1:40,000 at Lat 46° 56'

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.

This is the Last Edition of this chart. It will be canceled on Jul 2, 2024

85th Ed., Feb. 2017. Last Correction: 5/31/2024. Cleared through:
LNM: 2124 (5/21/2024), NM: 2224 (6/1/2024); CHS: 0224 (3/25/2024).

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

If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

602.3 X 951.9 mm

Caution

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

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.

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

(POD) providers fulfill a vessel's requirement to carry a navigational chart "published by the National Ocean Service" in accordance with federal regulations, including but not limited to 33 C.F.R. 164.33(a), 33 C.F.R. 164.72(b), and 46 C.F.R. 28.225(a). POD charts meet stringent print standards and can be recognized by an official certification of authenticity printed on the chart. A list of POD providers can be found at: nauticalcharts.noaa.gov/pod

Fathoms	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Feet	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108
Meters	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Grays Harbor, Wash
SOUNDINGS IN FEET - SCALE 1:40,000