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

Formerly LS 312, 1st Ed., May 1901 KAPP 1156

SOUNDINGS IN FEET

14832

JOINS CHART 14816

UPPER NIAGARA RIVER

UNITED STATES - GREAT LAKES

LAKE ERIE - NEW YORK

Polyconic Projection
Scale 1:30,000
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET

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

THE NATION'S CHARTMAKER SINCE 1807

CAUTION

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

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

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) o(Approximate location)

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).

CAUTION

Due to periodic high water conditions in the Great Lakes, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

CAUTION

Mariners are warned that numerous uncharted stakes and fishing structures, some submerged, may exist in the area of this chart. Such structures are not charted unless known to be permanent.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 6 for important supplemental information.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. 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, 9th Coast Guard District in Cleveland, Ohio or at the Office of the District Engineer, Corps of Engineers in Buffalo, New York.

Refer to charted regulation section numbers.

NOTE E

PROHIBITED AREA
Do not enter without authorization from the Federal Minister of Transport.

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.

Buffalo, NY KEB-98 162.550 MHz (Chan. WX-1)

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.

CAUTION

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

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

NOTE C
CAUTION

Cables for an Ice Boom are permanently attached to anchors on the lake bottom. They are submerged and not buried. Floating steel pontoons are attached to these cables between December 15 and April 1.

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.

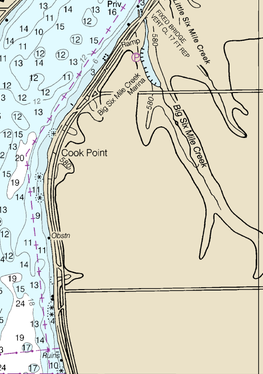
Covered wells may be marked by lighted or unlighted buoys.

MARINER ACTIVATED SOUND SIGNAL

BUFFALO HARBOR LIGHT - (MRASS) Horn is activated by keying mic 5 times on VHF-FM Ch 83A.

SOURCE

B2 1970-1989 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.

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NOTES

PLANE OF REFERENCE OF THIS CHART (Low Water Datum) Depths are referred to the sloping surface of the river when Lake Erie is at elevation 569.2 feet.
Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).
SAILING DIRECTIONS. Bearings of sailing courses are true and distances given thereon are in statute miles between points of departure.
AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.
SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1
BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.
AUTHORITIES. Hydrography and Topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Canadian authorities.

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 of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1902 must be corrected an average of 0.219" northward and 0.799" eastward to agree with this chart.

Sailing courses and limits indicated in magenta are recommended by the Lake Carriers Association and the Canadian Shipowners Association.

CAUTION
POTABLE WATER INTAKE

Vessels operating in fresh water lakes or rivers shall not discharge sewage, or ballast, or bilge water within such areas adjacent to domestic water intakes as are designated by the Commissioner of Food and Drugs (21 CFR 1250.93). Consult U.S. Coast Pilot 6 for important supplemental information.

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.

Ⓟ Pump-out facilities

SCALE 1:30,000
Nautical Miles 1 ½ 0 1 2
Yards 1000 0 1000 2000 3000
Meters 1000 0 1000 2000 3000

BUFFALO HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2016 AND SURVEYS TO APR 2016

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)

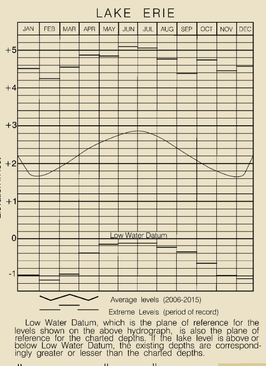
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS WIDTH (FEET)	LENGTH (FEET)	DEPTH LWD (FEET)
BUFFALO HARBOR:								
SOUTH APPROACH	27.3	28.1	26.3	13.0	4-16	1000	2000	30
SOUTH ENTRANCE	25.9	24.9	22.8	19.4	4-16	1200-400	1950	29
INNER HARBOR SOUTH SECTION	13.3	21.3	22.1	23.0	4-16	1100-1600	3900	28
INNER HARBOR MOORING AREA	17.4	21.1	19.5	21.1	4-16	0-900	4200	23
INNER HARBOR MIDDLE SECTION	17.3	22.0	22.6	20.3	4-16	500-1600	11150	27
NORTH ENTRANCE	21.0	25.0	24.5	21.9	4-16	800	3000	25
INNER HARBOR NORTH SECTION	18.0	19.8	21.1	20.7	4-16	1370-1200	4800	23
BUFFALO RIVER ENTRANCE CHANNEL	13.4	18.6	18.6	14.0	8-15	1600-450	4100	23
BLACK ROCK CANAL:								
ENTRANCE CHANNEL	14.7	20.7	19.5	5.3	6,11-15	1000-450	4860	21
ENTRANCE TO BLACK ROCK LOCKS	5.9	17.5	19.4	6.0	6,11-15	500-200	18530	21
THENCE TO BUOY 12	10.7	18.1	20.6	8.9	6,11-15	200-400	10330	21
NIAGARA RIVER CHANNEL:								
THENCE TO TONAWANDA HARBOR	16.6	16.8	18.2	6.0	6,11-15	360-800	29000	21
TO END OF CHANNEL	10.8	12.6	12.6	10.3	10,11-15	300	33500	12

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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.

LAKE ERIE



Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

If the area you require is not covered by this chart, you may find the area you require on one of the following charts: 14833 (Eastern), 14830 (Central), 14826 (Western).

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.

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FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	2	4	5	7	9	11	13	15	16	18	20	22	24	25	27	29	31

Upper Niagara River
SOUNDINGS IN FEET - SCALE 1:30,000

14832