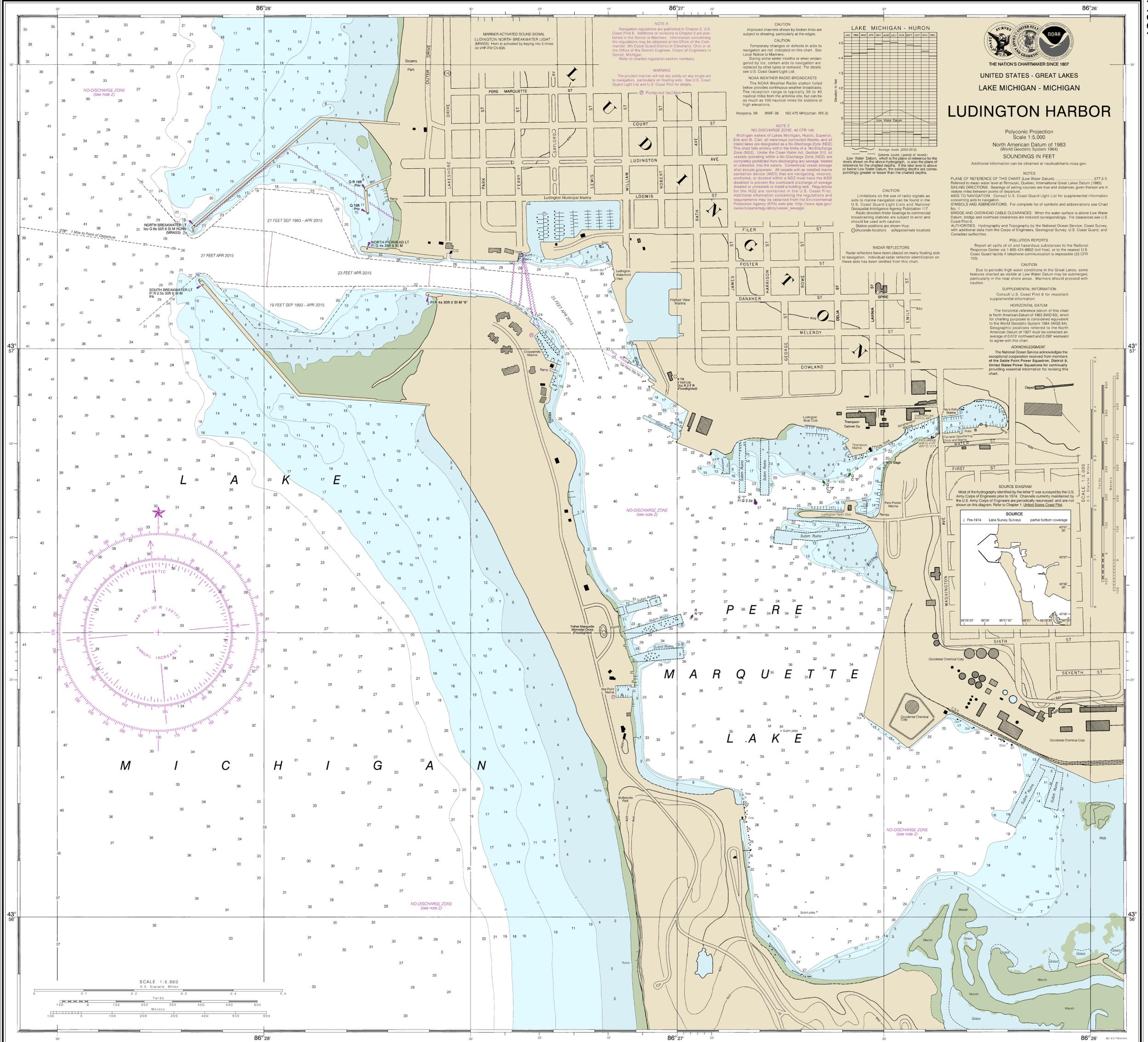


This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CSD), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

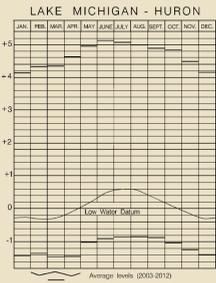
Formerly LS 774 1st Ed. Mar. 1904 KAPP 1493



THE NATION'S CHARTMAKER SINCE 1807
UNITED STATES - GREAT LAKES
LAKE MICHIGAN - MICHIGAN

LUDINGTON HARBOR

Polyconic Projection
Scale 1:5,000
North American Datum of 1983
SOUNDINGS IN FEET
Additional information can be obtained at nauticalcharts.noaa.gov.



Extreme Levels (period of record)
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.

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)

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.

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.

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

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 1983 must be corrected an average of 0.015 northward and 0.292 westward to agree with this chart.

ACKNOWLEDGMENT
The National Ocean Service acknowledges the exceptional cooperation received from mariners by the U.S. Army Corps of Engineers, District 8, United States Power Squadron for continuingly providing essential information for revising this chart.

SOURCE DIAGRAM
Most of the hydrography identified by the letter "Y" was surveyed by the U.S. Army Corps of Engineers prior to 1974. Chart received from mariners by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on the diagram. Refer to Chapter 1, United States Coast Pilot.



NOTES
PLANE OF REFERENCE OF THIS CHART (Low Water Datum) - 577.5 ft. 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.
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.

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).

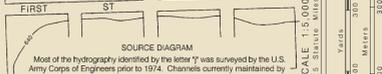
CAUTION
Due to periodic high water conditions in the Great Lakes, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

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

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 1983 must be corrected an average of 0.015 northward and 0.292 westward to agree with this chart.

ACKNOWLEDGMENT
The National Ocean Service acknowledges the exceptional cooperation received from mariners by the U.S. Army Corps of Engineers, District 8, United States Power Squadron for continuingly providing essential information for revising this chart.

SOURCE DIAGRAM
Most of the hydrography identified by the letter "Y" was surveyed by the U.S. Army Corps of Engineers prior to 1974. Chart received from mariners by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on the diagram. Refer to Chapter 1, United States Coast Pilot.



Conversion table for fathoms, feet, and meters.

FATHOMS	FEET	METERS
1	6	1.1
2	12	2.1
3	18	3.1
4	24	4.1
5	30	5.1
6	36	6.1
7	42	7.1
8	48	8.1
9	54	9.1
10	60	10.1
11	66	11.1
12	72	12.1
13	78	13.1
14	84	14.1
15	90	15.1
16	96	16.1
17	102	17.1
18	108	18.1
19	114	19.1
20	120	20.1
21	126	21.1
22	132	22.1
23	138	23.1
24	144	24.1
25	150	25.1
26	156	26.1
27	162	27.1
28	168	28.1
29	174	29.1
30	180	30.1
31	186	31.1
32	192	32.1
33	198	33.1
34	204	34.1
35	210	35.1
36	216	36.1
37	222	37.1
38	228	38.1
39	234	39.1
40	240	40.1
41	246	41.1
42	252	42.1
43	258	43.1
44	264	44.1
45	270	45.1
46	276	46.1
47	282	47.1
48	288	48.1
49	294	49.1
50	300	50.1