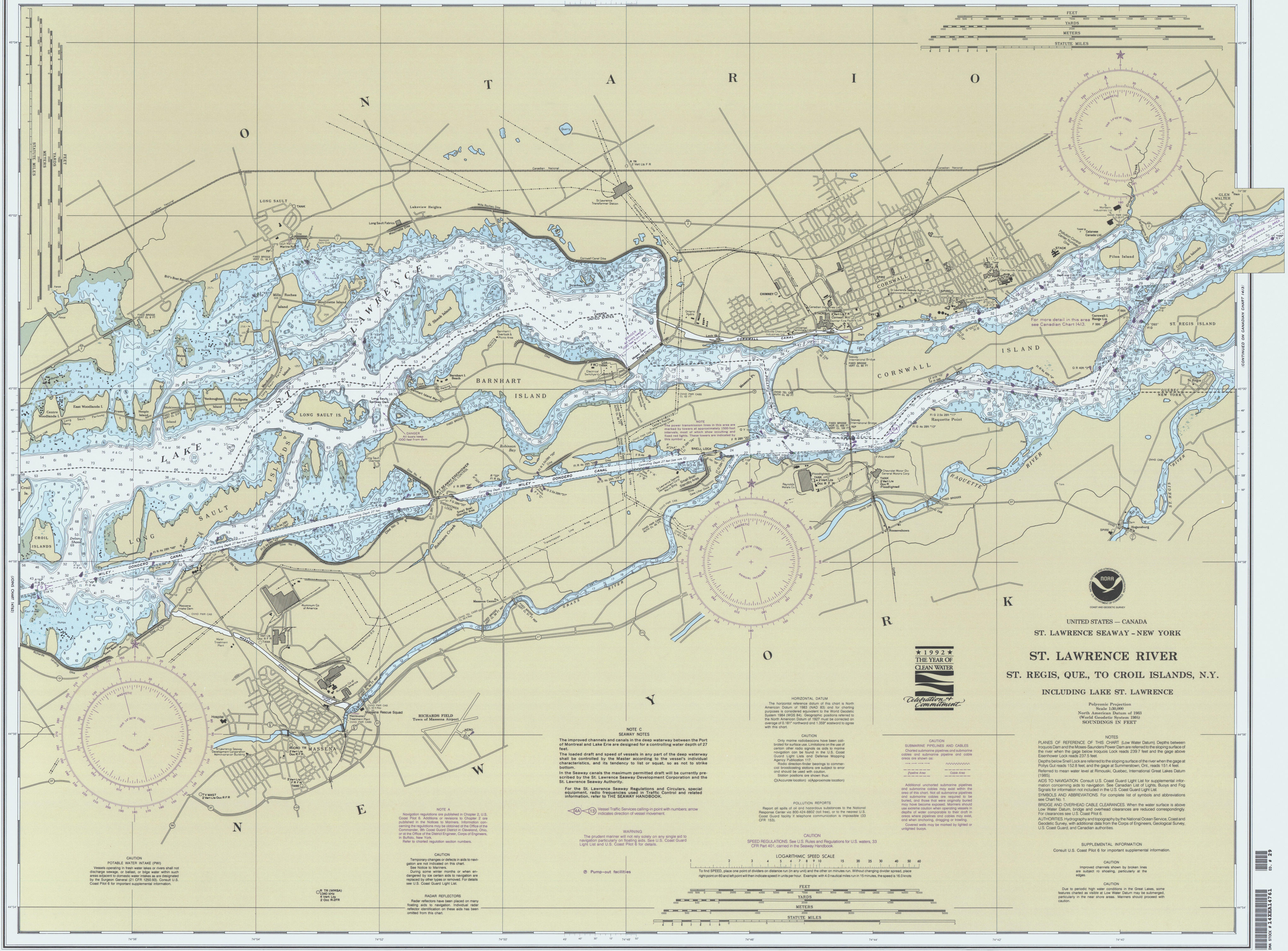
Formerly LS 11, 1st Ed., 1874

SOUNDINGS IN FEET

Nautical Chart Catalog No. 4, Panel E


O N T A R I O
N E W Y O R K
LAKE ST. LAWRENCE
LONG SAULT ISLANDS
BARNHART ISLAND
CORNWALL ISLAND
ST. REGIS ISLAND
LONG SAULT IS.
CROIL ISLANDS
CORNWALL
MASSENA
LONG SAULT
GLEN WALTER
St. Regis
Hogansburg
Rooseveltown
Pilon Island
Hen Island
Raquette Point
WILEY - DONDERO CANAL
CORNWALL CANAL
SNELL LOCK
EISENHOWER LOCK
MASSENA CANAL
GRASS RIVER
RAQUETTE RIVER
ST. REGIS RIVER
QUEBEC
NEW YORK
CANADA
UNITED STATES
RICHARDS FIELD
Town of Massena Airport
(JOINS CHART 14762)
(CONTINUED ON CANADIAN CHART 1413)
For more detail in this area see Canadian Chart 1413.
DANGER All boats keep 1000 feet from dam
NOTE The power transmission lines in this area are marked by towers at approximately 1500-foot intervals, most of which show occulting and fixed red lights. These towers are indicated by this symbol
VAR 14°45'W (1992) ANNUAL INCREASE 3'
VAR 14°30'W (1992) ANNUAL INCREASE 3'
FEET
YARDS
METERS
STATUTE MILES

CAUTION
POTABLE WATER INTAKE (PWI)

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 Surgeon General (21 CFR 1250.93). 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 Notices 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.

CAUTION

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

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 C
SEAWAY NOTES

The improved channels and canals in the deep waterway between the Port of Montreal and Lake Erie are designed for a controlling water depth of 27 feet.

The loaded draft and speed of vessels in any part of the deep waterway shall be controlled by the Master according to the vessel's individual characteristics, and its tendency to list or squat, so as not to strike bottom.

In the Seaway canals the maximum permitted draft will be currently prescribed by the St. Lawrence Seaway Development Corporation and the St. Lawrence Seaway Authority.

For the St. Lawrence Seaway Regulations and Circulars, special equipment, radio frequencies used in Traffic Control and related information, refer to THE SEAWAY HANDBOOK.

(4A) (13) Vessel Traffic Services calling-in point with numbers; arrow indicates direction of vessel movement.

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 6 for details.

Ⓟ Pump-out facilities

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and 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 0.181" northward and 1.359" eastward to agree with this chart.

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 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 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION

SPEED REGULATIONS. See U.S. Rules and Regulations for U.S. waters, 33 CFR Part 401, carried in the Seaway Handbook.

LOGARITHMIC SPEED SCALE

1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60

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

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.

★1992★
THE YEAR OF
CLEAN WATER
Celebration & Commitment

COAST AND GEODETIC SURVEY

UNITED STATES — CANADA
ST. LAWRENCE SEAWAY - NEW YORK

ST. LAWRENCE RIVER
ST. REGIS, QUE., TO CROIL ISLANDS, N.Y.
INCLUDING LAKE ST. LAWRENCE

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

NOTES

PLANES OF REFERENCE OF THIS CHART (Low Water Datum). Depths between Iroquois Dam and the Moses-Saunders Power Dam are referred to the sloping surface of the river when the gage below Iroquois Lock reads 239.7 feet and the gage above Eisenhower Lock reads 237.5 feet.

Depths below Snell Lock are referred to the sloping surface of the river when the gage at Pollys Gut reads 152.8 feet, and the gage at Summerstown, Ont., reads 151.4 feet.

Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

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 and Geodetic Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Canadian authorities.

SUPPLEMENTAL INFORMATION

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

CAUTION

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

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.

29th Ed., Oct. 10/92 ■

14761

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center, the Canadian Ministry of Transport 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 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 Director, Coast and Geodetic Survey (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

SOUNDINGS IN FEET

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST AND GEODETIC SURVEY

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 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

(St. Lawrence River, St. Regis to Croil Islands)

SOUNDINGS IN FEET - SCALE 1:30,000

LITIGATION FILE

DMA STOCK # 14XHA14761

ED. # 29