



Compiled by the Canadian Hydrographic Service, 1958-59
Upright soundings from 1959 surveys, sloped soundings from older surveys

Bearings refer to the True Compass and are given from Seaward (thus 295° etc.)

SOUNDINGS IN FEET

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reduced to a chart datum which in the Seaway Canal above the Upper Côte Ste. Catherine Lock is based on elevation 66.5 at the Canadian Hydrographic Service gauge at Pointe Claire, between the Lower Côte Ste. Catherine Lock and the Upper St. Lambert Lock based on elevation 34.8 at the C.H.S. gauge at the Upper St. Lambert Lock and below the Lower St. Lambert Lock based on elevation 17.4 at the C.H.S. gauge at Montreal, Frontenac Street.

Water areas with depths of 30 feet or less are tinted blue, except in dredged areas. Shoreline areas shown in a green tint are subject to drying or covering.

Heights on land and underlined figures in green-tinted areas or in brackets against drying areas express heights in feet above the datum of soundings.

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

Natural Scale 1 : 20,000

Projection : Polyconic

Hydrography for this chart has been compiled by the Canadian Hydrographic Service. Supplementary information has been supplied by the following agencies: The St. Lawrence Seaway Authority and The Department of Transport.

The following Catalogues of Nautical Charts, Sailing Directions, Tidal Information and other Canadian Government Publications of interest to Mariners, may be obtained on application to the Canadian Hydrographic Service, Department of Mines and Technical Surveys, Ottawa:

Coastal and Inland Waters Catalogue ...	75 cents
Pacific Coastal Waters Catalogue	50 cents

FATHOMS AND FEET TO METRES											
FATHOMS		1	2	3	4	5	6	7	8	9	10
FEET		6	12	18	24	30	36	42	48	54	60
FEET	METRES										
	1	18	36	55	73	91	109	128	146	164	183
	2	37	72	109	146	183	220	257	294	331	368
	3	55	109	164	220	276	331	387	443	499	555
	4	73	146	220	294	368	443	517	591	665	739
	5	91	183	276	368	461	555	647	739	831	923
6	109	220	331	443	555	665	776	887	998	1108	
7	128	257	387	517	647	776	905	1034	1163	1292	
8	146	294	443	591	739	887	1034	1181	1328	1475	
9	164	331	499	665	831	998	1163	1328	1493	1658	
10	183	368	555	739	923	1108	1292	1475	1658	1841	

W	W	Whistle Station
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For the St. Lawrence Seaway Regulations, Circulars and Rules, the St. Lawrence Seaway Tariff of Tolls, special equipment, radio frequencies used in Traffic Control and related information, see the **ST. LAWRENCE SEAWAY MASTER'S HANDBOOK**, which may be obtained from the Queen's Printer, Ottawa, price \$1.50.

FACTORS GOVERNING THE TRANSIT OF VESSELS THROUGH THE ST. LAWRENCE SEAWAY BETWEEN MONTREAL AND LAKE ONTARIO

Channel widths vary from a minimum of 175 feet between bridge abutments and 225 feet in canals flanked by two embankments, to 600 feet in improved channels.

MAXIMUM VESSEL DIMENSIONS

Length..... 715 feet (on Restricted basis 730 feet)
Beam..... 72 feet (on Restricted basis 75 feet)
* Draught in completed sections of the channel: 25 feet
at chart datum, or 2 feet less than the designed minimum
channel depth of 27 feet.

LOCK DATA					
Lock	Normal Lift	Length, Breast Wall to Fender	Width of Chamber	Height of Lower End	Length of Upper End
St. Lambert (Montreal Riv.)	13—20 feet	766 feet	80 feet	2954 feet	2268 feet
Cote Ste. Catherine	33—35 feet	766 feet	80 feet	1603 feet	1590 feet
Upper Beauharnois	38—42 feet	766 feet	80 feet	2124 feet	1012 feet
Lower Beauharnois	38—42 feet	766 feet	80 feet	1023 feet	2365 feet
St. Lawrence	45—49 feet	766 feet	80 feet	1586 feet	1638 feet
Sennebec	38—42 feet	766 feet	80 feet	1638 feet	1438 feet
Iroquois	0.5—6.0 feet	766 feet	80 feet	1500 feet	3000 feet

Minimum depth on Lock Gate Sills is 30 feet



From Canadian Notices to Mariners to : 1960/024 1961/29 196 137 153 263 1954 217 513 1035 1955 554