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CANADA

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STATISTICS

MAR 4 1969

Transportation & Public  
Utilities Division  
OTTAWA, CANADA

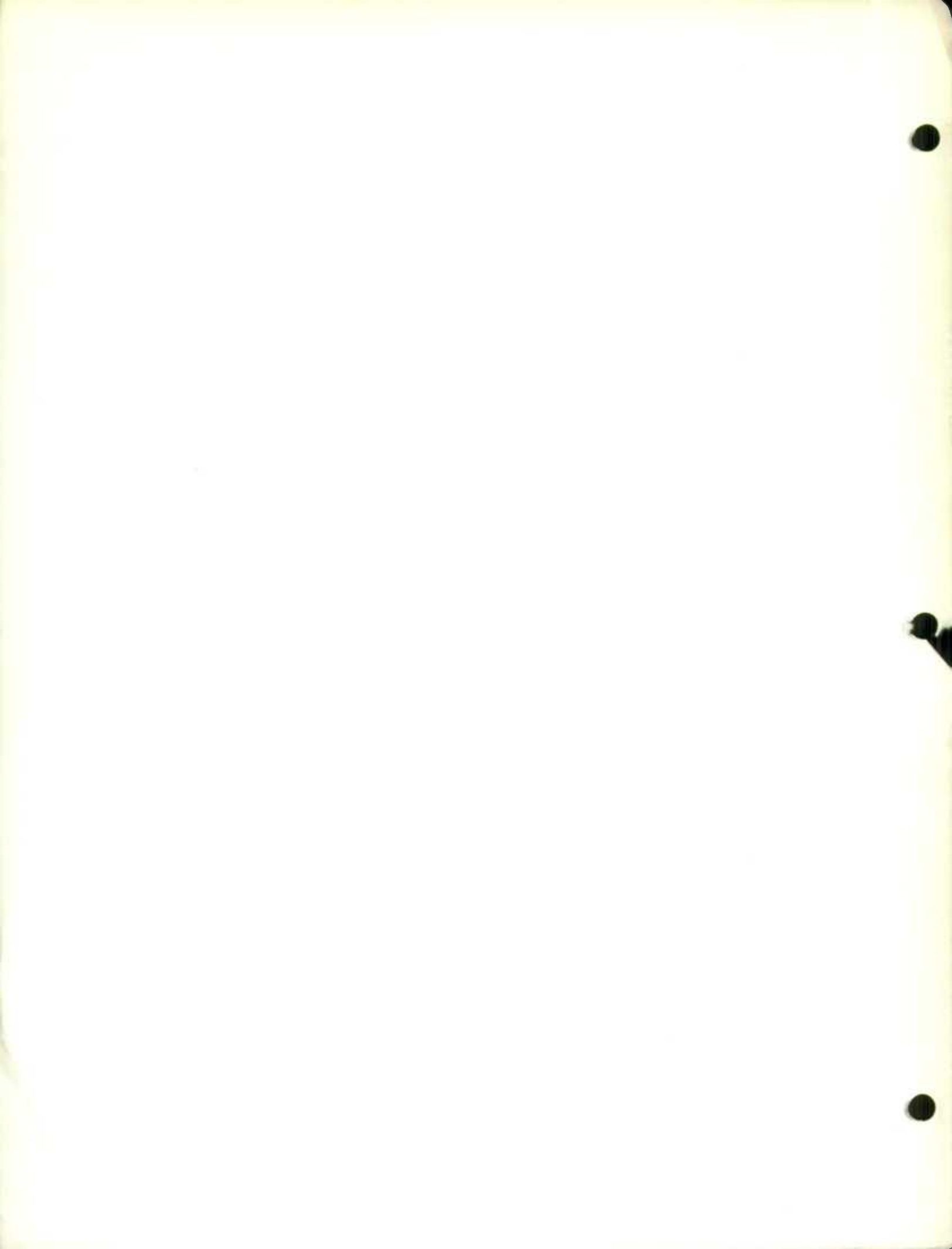
# SHIPPING REPORT

1965 and 1966

PART VI

Commodity Flow Charts

DOMINION BUREAU OF STATISTICS



DOMINION BUREAU OF STATISTICS  
Transportation and Public Utilities Division  
Transportation Section

## SHIPPING REPORT

1965 and 1966

### PART VI

## Commodity Flow Charts

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Reports published by the  
Transportation and Public Utilities Division  
dealing with  
**WATER TRANSPORT**

Catalogue number	Title	Price
<b>Periodical</b>		
54-001	<b>Summary of Canal Statistics. Monthly</b> – April to December. (6 pp.) Vessel passages, registered net tonnage, and tonnage of freight for all canals; tonnages of freight transported through the St. Lawrence Canals and Welland Canal, by commodity, by direction, and by type of cargo; tonnages of freight transported through the Sault Ste. Marie Canals by commodity and by direction. December monthly includes a brief summary for the season of navigation .....	10¢, \$1.00 a year
54-002	<b>Shipping Statistics. Monthly.</b> (9 pp.) Cargoes loaded and unloaded, by selected commodities and geographic area; number and registered net tonnage of vessels arrived and departed; cargoes loaded and unloaded at selected ports, by selected commodities .....	20¢, \$2.00 a year
<b>Annual</b>		
54-201	<b>Canal Statistics.</b> (approx. 80 pp.) Location and description of all canals; historical summary; traffic, by kind of vessel, by registry of vessel, by length of vessel; number and tonnage of vessels, by direction, by origin and destination; number and tonnage of vessels, by registry and rig, by kind and length, by kind and draft; cargo tons, by direction, by country of origin and destination; cargo tons, by direction, by registry of vessel; cargo tons, by kind, by gross tonnage, and by number of vessels; commodities, by direction, by country of origin and destination; freight charges for wheat, barley, oats, flax, and rye .....	\$1.00
54-202	<b>Shipping Report: Part I, International Seaborne Shipping (by Country).</b> (approx. 160 pp.) Cargoes loaded and unloaded, by country of origin or destination, by commodity, by registry of vessel, and by geographic area; cargoes loaded and unloaded, by commodity and geographic area; number and registered net tonnage of, and tons of cargo carried by, vessels arrived and departed, by registry of vessel and geographic area .....	1.50
54-203	<b>Shipping Report: Part II, International Seaborne Shipping (by Port).</b> (approx. 75 pp.) Cargoes loaded and unloaded, by port and commodity; number and registered net tonnage of vessels departed, by province and size of vessel, and by rig; number and registered net tonnage of vessels arrived and departed with cargo or in ballast, by port; shipping between Great Lakes ports and foreign countries via the St. Lawrence River; number and gross tonnage of tugs departed, by port .....	1.00
54-204	<b>Shipping Report: Part III, Coastwise Shipping.</b> (approx. 105 pp.) Cargoes loaded and unloaded, by port and commodity; cargoes loaded and unloaded, by commodity and geographic area; number and registered net tonnage of vessels arrived and departed with cargo or in ballast, by port; number and registered net tonnage of vessels departed, by province and size of vessel, and by rig; number and gross tonnage of tugs departed, by port; tonnage of cargo unloaded in inter- and intra-provincial trade, by province; cargo loaded and unloaded by vessels of foreign registry, with number of vessels and registered net tonnage .....	1.50
54-206	<b>Shipping Report: Part IV, Origin and Destination for Selected Ports.</b> (approx. 150 pp.) Cargoes loaded and unloaded at Halifax, Saint John, Montreal, Quebec, Hamilton, Port Arthur-Fort William, Toronto, and Vancouver, by country or port of origin or destination, and by commodity. <b>Note:</b> Similar data, available on request, have been tabulated for Bell Island, and Corner Brook, Nfld.; Hantsport and Sydney, N.S.; Baie Comeau, Port Cartier, Port Alfred, Sept Îles, Sorel and Trois Rivières, P.Q.; Port Colborne, Sarnia, Sault Ste. Marie and Windsor, Ont.; New Westminster, Victoria and Powell River, B.C. Corresponding information for all other Canadian ports can be tabulated upon request .....	1.50
54-207	<b>Shipping Report: Part V, Origin and Destination for Selected Commodities.</b> (approx. 55 pp.) Tonnage of wheat, other grain, pulpwood, iron ore, bituminous coal, gypsum, newsprint, and fuel oil, loaded and unloaded, by country or port of origin or destination .....	.75
54-208	<b>Shipping Report: Part VI, Commodity Flow Charts for Selected Commodities</b> (approx. 25 pp.) Charts illustrating the movements of wheat, other grain, pulpwood, iron ore, bituminous coal, gypsum, newsprint, and fuel oil, loaded and unloaded, in International Seaborne and Coastwise Shipping .....	.75
54-205	<b>Water Transportation.</b> (approx. 22 pp.) Statistics on the for-hire water transportation industry – number of vessels, number and salaries and wages of employees, revenue and expense, quantity and cost of fuel and lubricating oils consumed, property, number of deaths or injuries caused by accidents, number and value of ships destroyed or lost at sea, for operators of owned and/or chartered vessels, by revenue class and by division; number of vessels, property, revenue and expense, for owners of vessels chartered bareboat to others .....	.50

*Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Publications Distribution, Dominion Bureau of Statistics, Ottawa, or to the Queen's Printer, Hull, P.Q.*



## INTRODUCTION

This publication illustrates 1965 and 1966 foreign and coastwise movements of the eight most significant commodities in terms of volume in Canadian waterborne commerce — wheat, other grain, pulpwood, iron ore, bituminous coal, gypsum, newsprint, and fuel oil.

Only movements on the Great Lakes, St. Lawrence River, and Atlantic Coast area are presented in this report; however, tabular data covering activity on the West Coast may be obtained from the *Shipping Report Part V*.

The commodity flow charts should be used in conjunction with Tables 29 and 30 of *Part V* since the prime purpose of these charts is to depict the direction and density of total waterborne traffic, and not to trace the individual cargo movements. Other information, such as the total volume of cargo handled at a particular port, may be obtained from other published data.

### Source

Shipping statistics are compiled from reports completed by operators or agents of vessels arriving and departing Canadian ports. All vessels are required to submit reports excepting naval or fishing vessels and vessels of less than fifteen registered net tons. Customs officials act as agents for the Dominion Bureau of Statistics in collecting reports at customs ports; returns from non-customs ports are forwarded through the nearest customs office.

### Treatment of Data

The term "international seaborne shipping" is used for vessels classed as being in foreign service, that is when (1) the vessel arrives from or departs for a foreign port; or (2) cargo is loaded for or unloaded from a foreign port; or (3) the registry of the vessel is other than Canadian or British Commonwealth (even though the vessel may have sailed between two Canadian ports).

A vessel is classed as being in coasting service if (1) it is of Canadian or British Commonwealth registry, sails between two Canadian ports, and loads or unloads no foreign freight; or if (2) it is of foreign registry, but is granted a waiver to engage in coasting service.

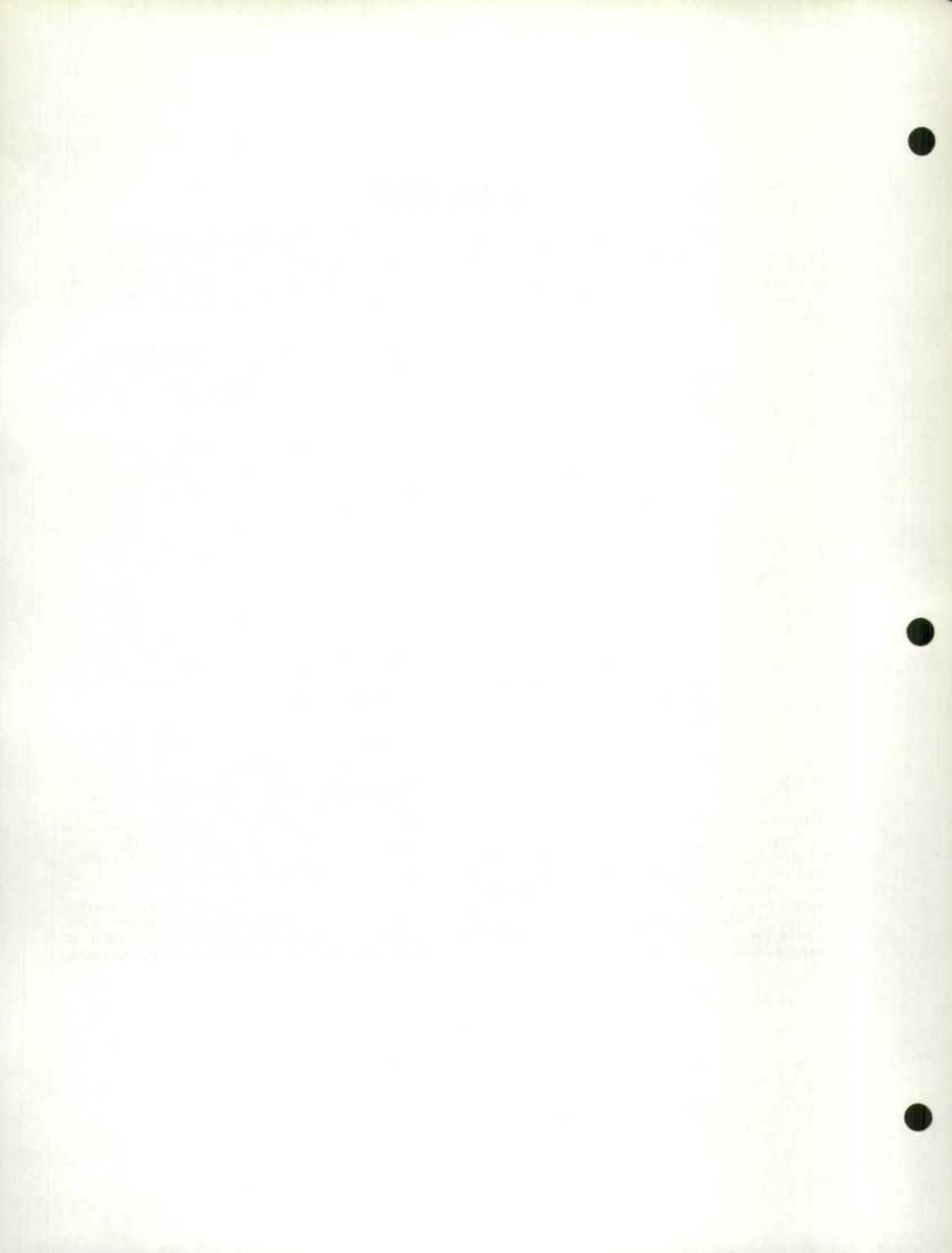
For the purpose of this publication, iron ore (crude and concentrates, calcined, roasted or treated) includes ilmenite ore mined at Havre St. Pierre; the term "other grain" refers to barley, corn, oats and rye.

The table headed "Movements not Included in Flow" is provided as a means of reconciling these charts with data in the *Shipping Report Part V*, and covers tonnages for those ports not individually identified in shipping tabulations. The table "Movements to and from Foreign Areas" provides a breakdown by area of origin and destination of the cargo moving into or from the mapped territory.

The letter "L" refers to the tonnage of the selected commodity loaded at a particular port, and "U" to the volume unloaded. Arrows indicate the direction of traffic and the accompanying figures indicate the total tonnage transported past that point. Branches or feeder lines from the main flow into and from a port indicate the volume of cargo received and shipped.

The coastwise flow chart for fuel oil traffic excludes movements under 2,000 tons and ports handling less than 5,000 tons, since a great number of minor movements and ports would otherwise be involved. Their inclusion would perhaps result in congestion and confusion, as in several instances these ports are located in a relatively small geographic area. However, complete detail for movements of fuel oil may be found in the coastwise tables of the *Shipping Report Part V*.

The appendix contains a list of the countries and geographic areas of origin or destination of the commodities which are loaded and unloaded at Canadian ports in international seaborne shipping.



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Charts illustrating movements of cargo on the Great Lakes, St. Lawrence River and Atlantic Coast area, International and Coastwise, by commodity.

### SECTION I—YEAR 1965

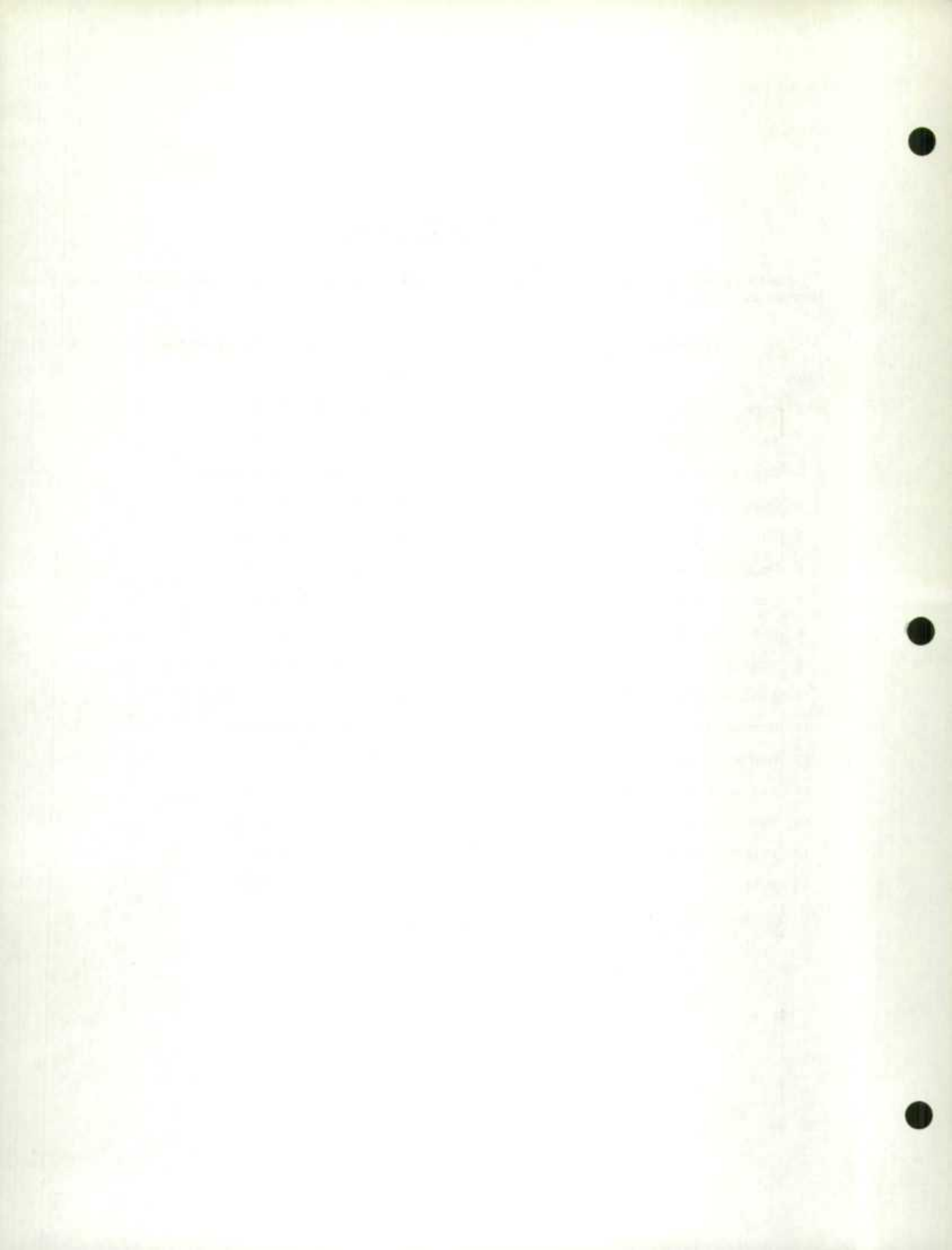
#### Chart

- 1 Wheat—International
- 2 Wheat—Coastwise
- 3 Other Grain—International
- 4 Other Grain—Coastwise
- 5 Pulpwood—International
- 6 Pulpwood—Coastwise
- 7 Iron Ore—International
- 8 Iron Ore—Coastwise
- 9 Bituminous Coal—International
- 10 Bituminous Coal—Coastwise
- 11 Gypsum—International
- 12 Gypsum—Coastwise
- 13 Newsprint—International
- 14 Newsprint—Coastwise
- 15 Fuel Oil—International
- 16 Fuel Oil—Coastwise

### SECTION II—YEAR 1966

#### Chart

- 1 Wheat—International
- 2 Wheat—Coastwise
- 3 Other Grain—International
- 4 Other Grain—Coastwise
- 5 Pulpwood—International
- 6 Pulpwood—Coastwise
- 7 Iron Ore—International
- 8 Iron Ore—Coastwise
- 9 Bituminous Coal—International
- 10 Bituminous Coal—Coastwise
- 11 Gypsum—International
- 12 Gypsum—Coastwise
- 13 Newsprint—International
- 14 Newsprint—Coastwise
- 15 Fuel Oil—International
- 16 Fuel Oil—Coastwise

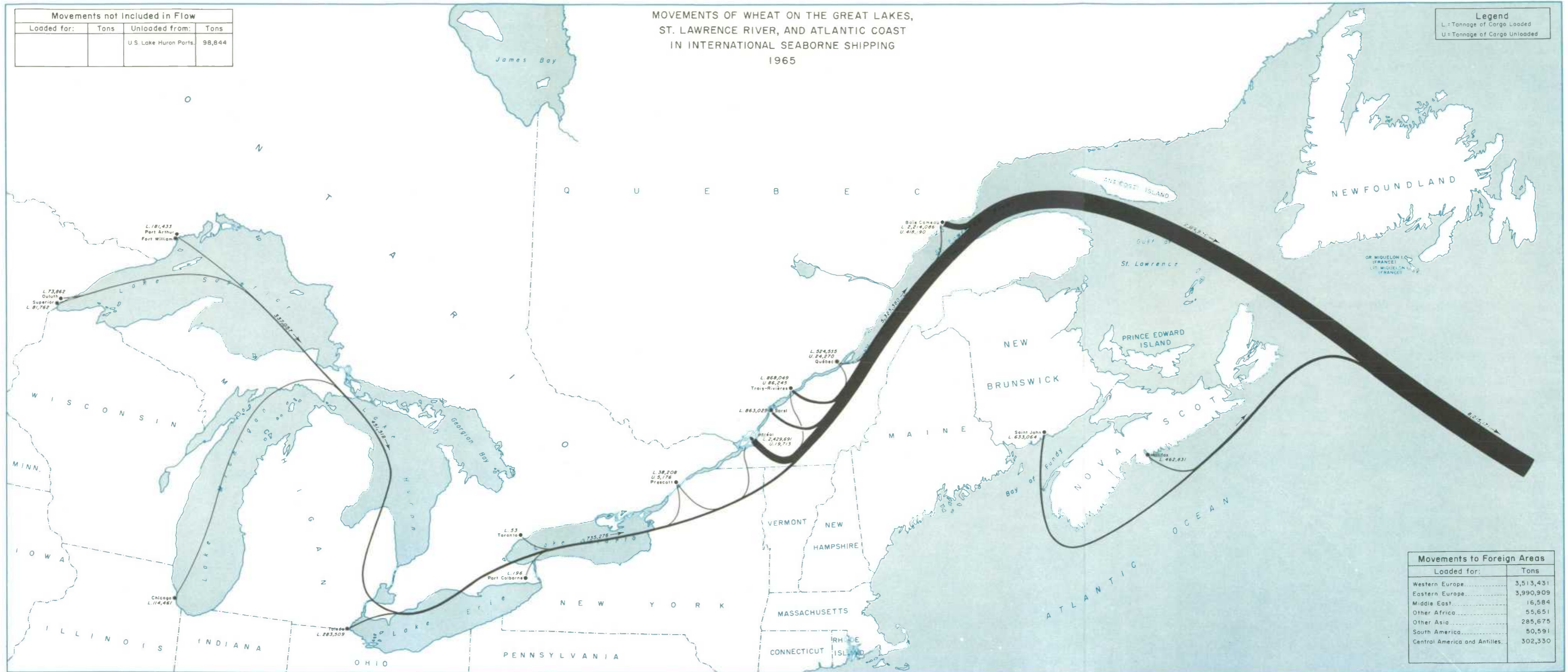




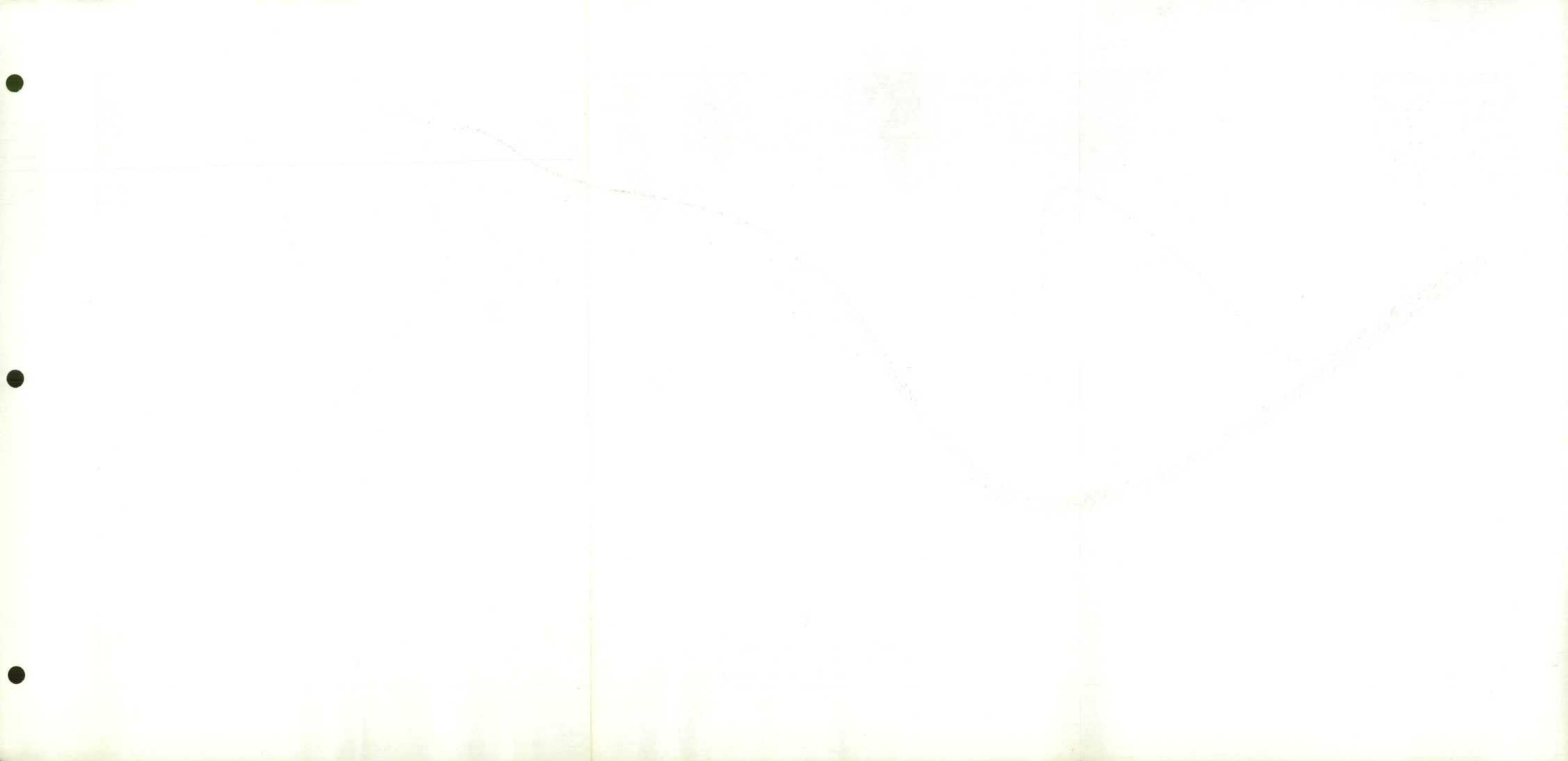
Movements not included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
		U.S. Lake Huron Ports	98,844

MOVEMENTS OF WHEAT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1965

Legend	
L	= Tonnage of Cargo Loaded
U	= Tonnage of Cargo Unloaded



Movements to Foreign Areas	
Loaded for:	Tons
Western Europe	3,513,431
Eastern Europe	3,990,909
Middle East	16,584
Other Africa	55,651
Other Asia	285,675
South America	50,591
Central America and Antilles	302,350

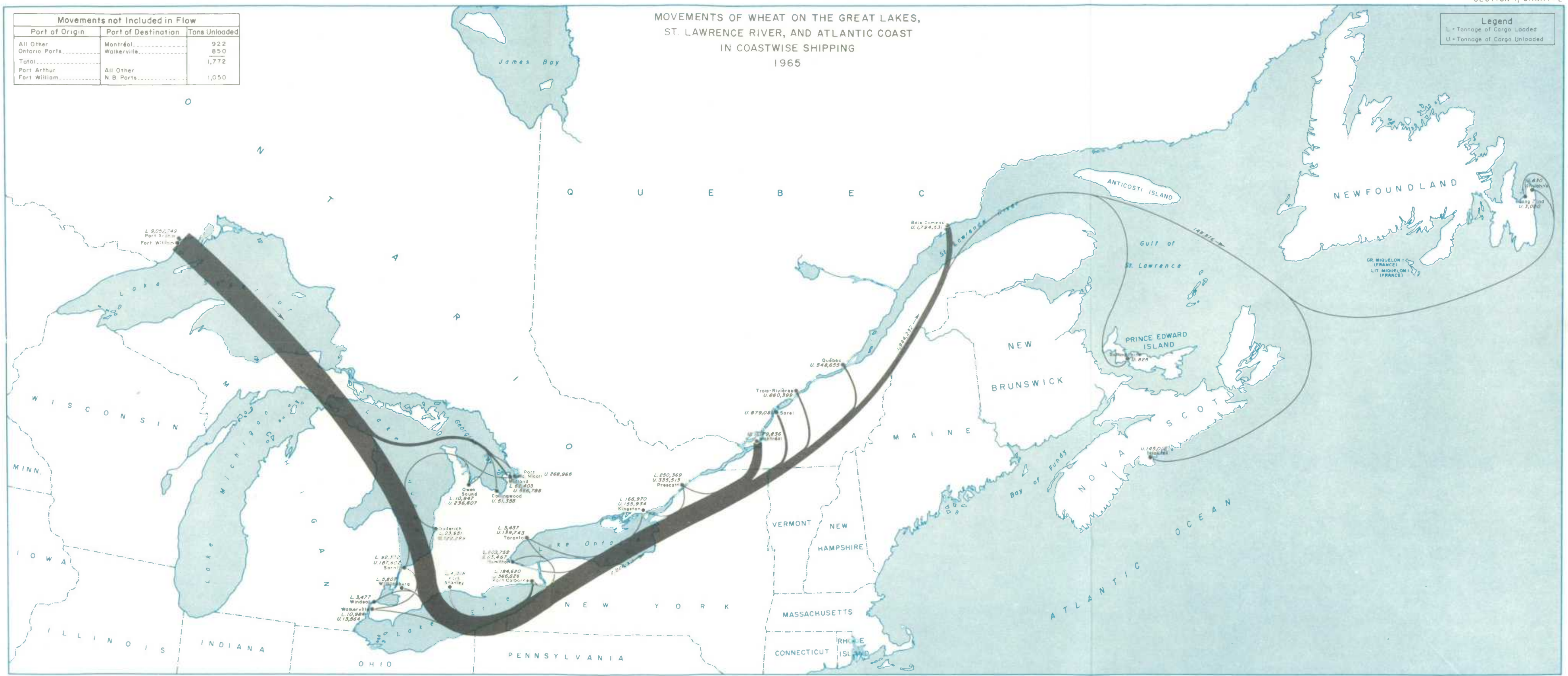




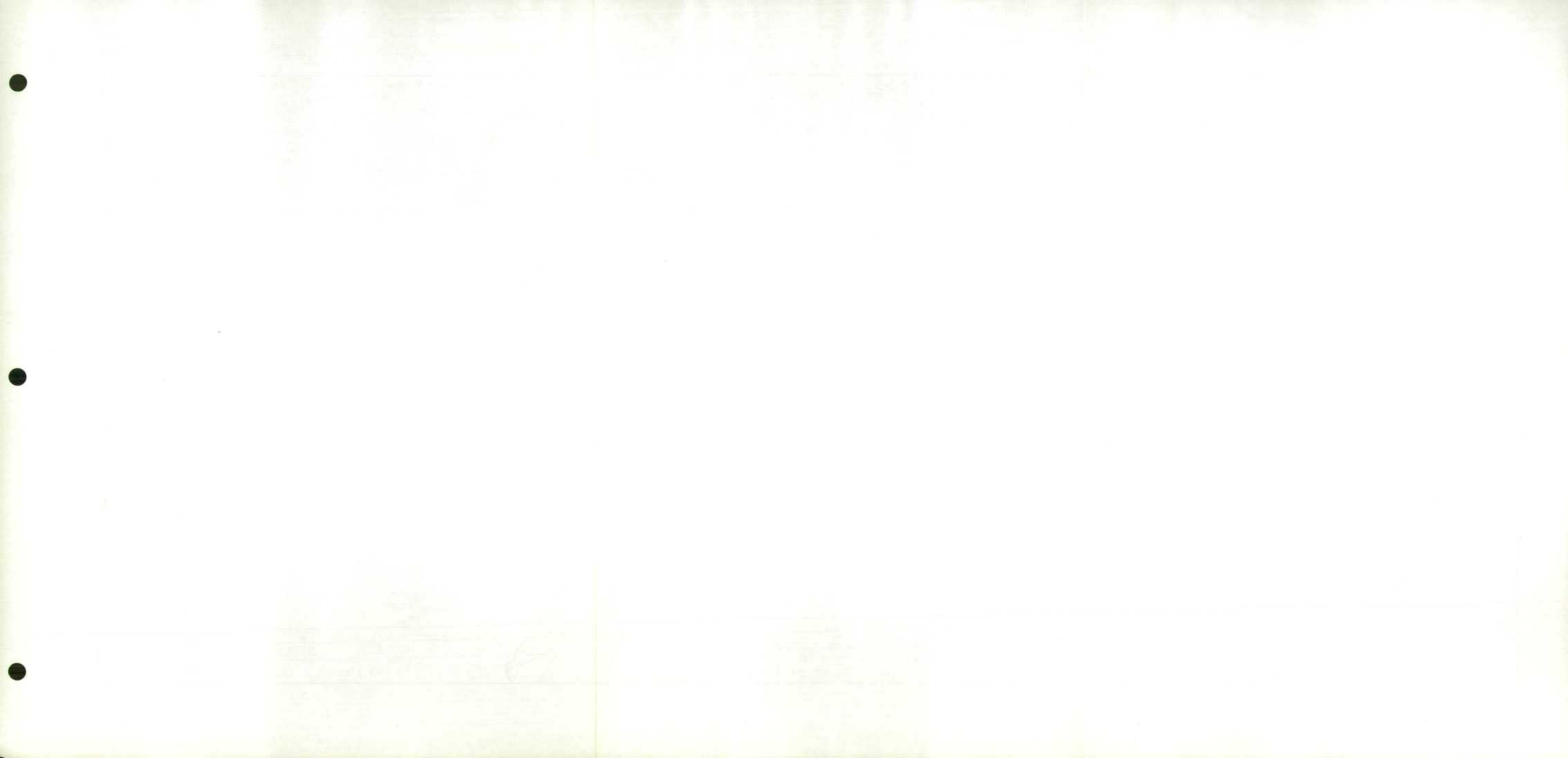
Movements not Included in Flow		
Part of Origin	Part of Destination	Tons Unloaded
All Other	Montréal	922
Ontario Ports	Walkerville	850
Total		1,772
Port Arthur	All Other	
Fort William	N. B. Ports	1,050

MOVEMENTS OF WHEAT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1965

Legend  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded







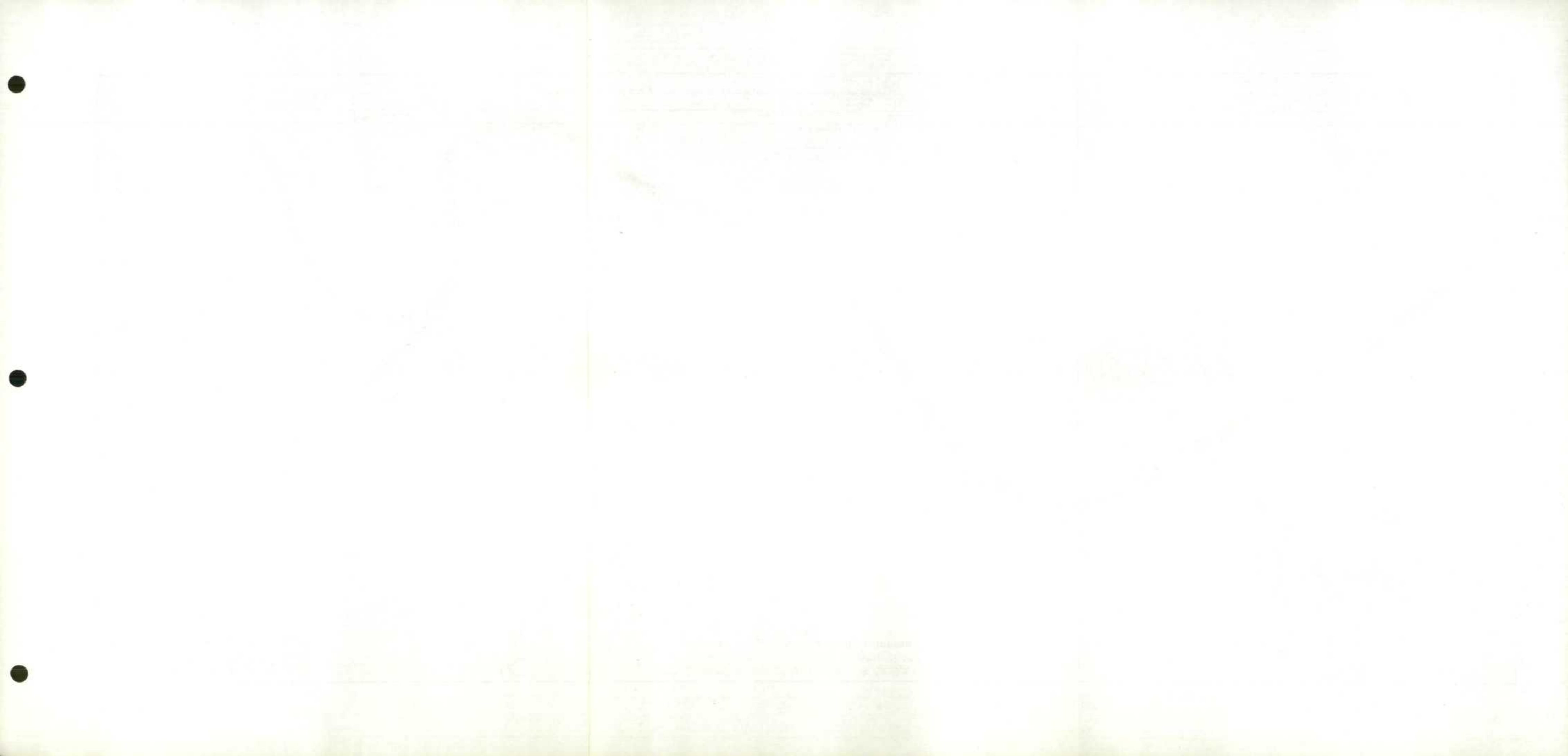
Movements not included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
Other U.S. Lake Michigan Ports.....	80,057	Other U.S. Lake Michigan Ports.....	268,262
		U.S. Lake Huron Ports.....	27,790

MOVEMENTS OF OTHER GRAIN ON THE GREAT LAKES, ST. LAWRENCE RIVER, AND ATLANTIC COAST IN INTERNATIONAL SEABORNE SHIPPING 1965

Legend	
L	Tonnage of Cargo Loaded
U	Tonnage of Cargo Unloaded



Movements to Foreign Areas	
Loaded for:	Tons
Western Europe.....	2,234,358
Eastern Europe.....	7,580
Other Africa.....	1,533
Other Asia.....	27,096
South America.....	1,996
Central America and Antilles..	217

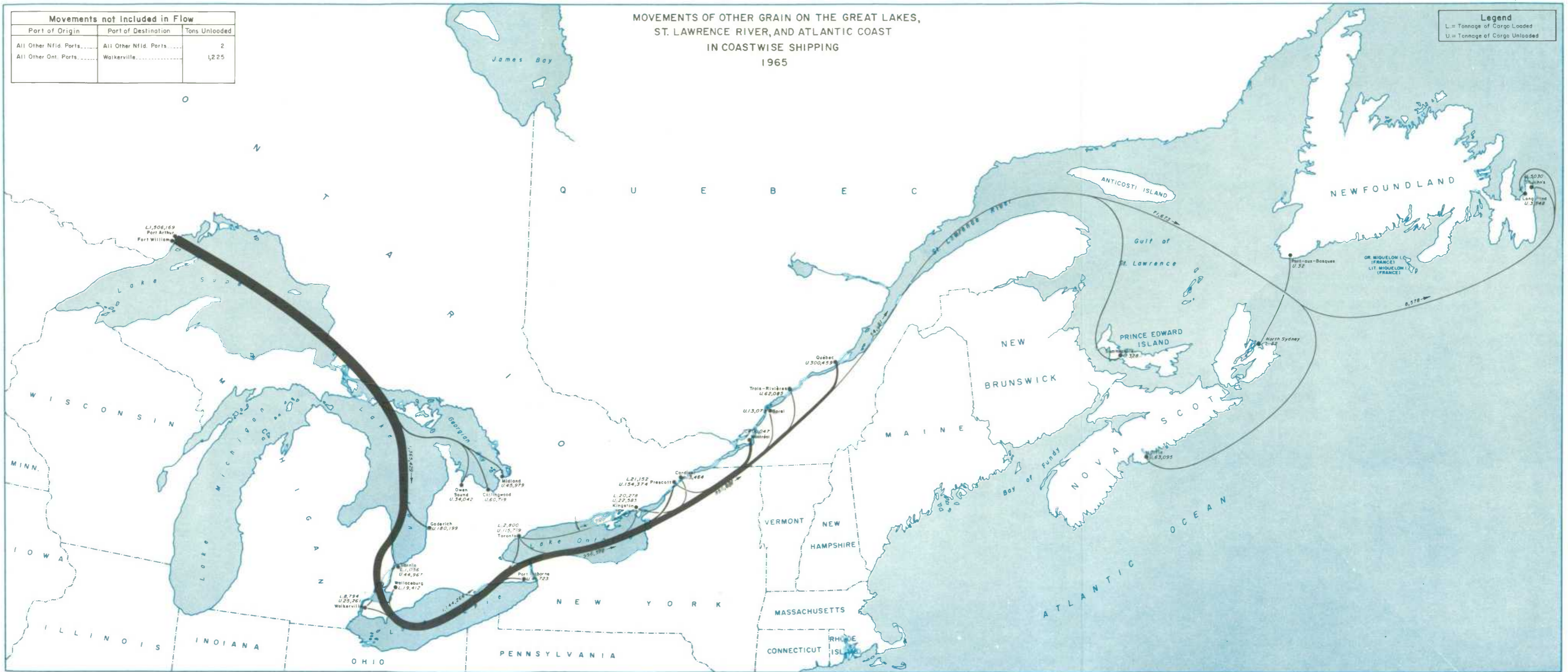


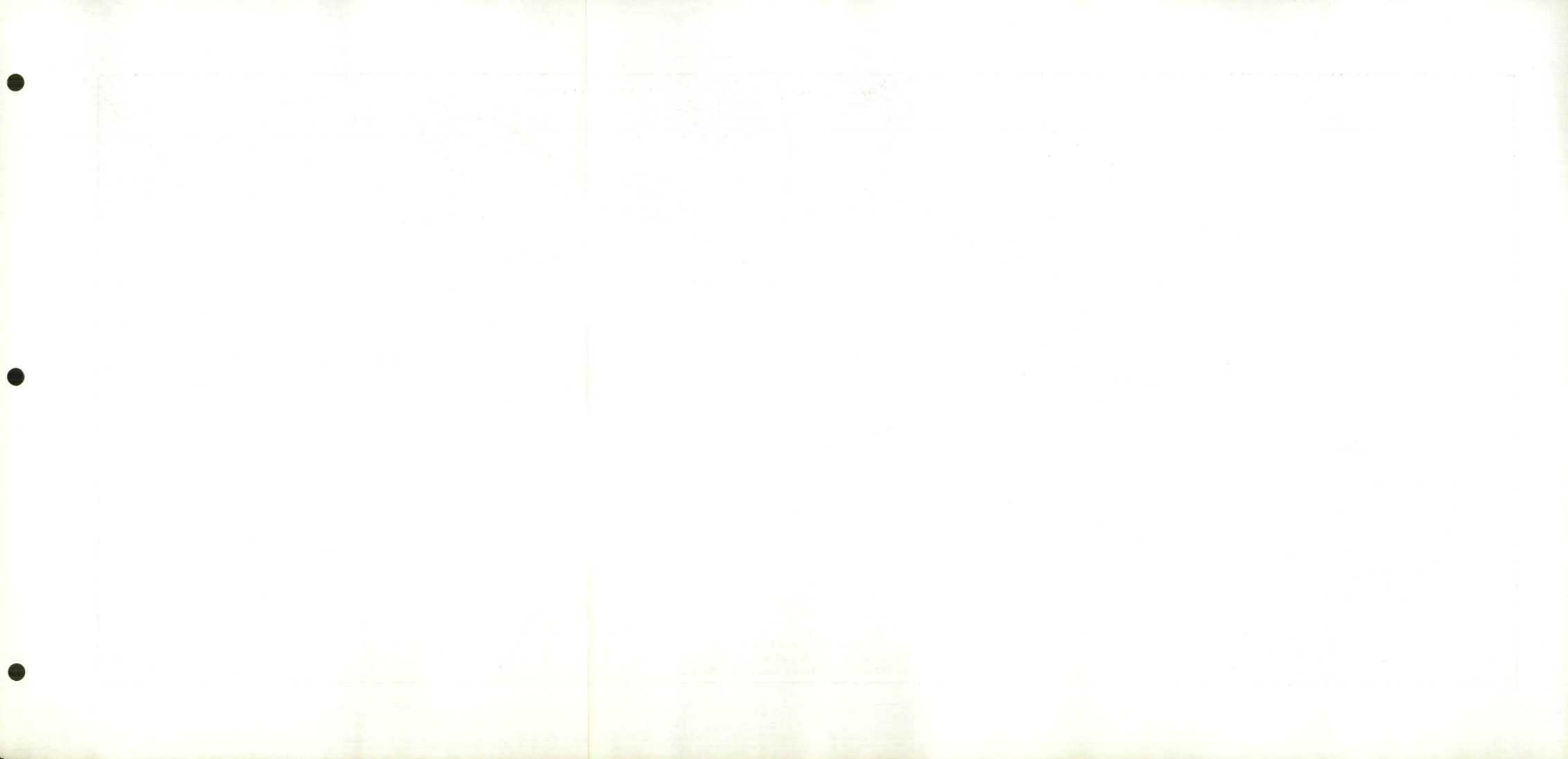


Movements not Included in Flow		
Part of Origin	Part of Destination	Tons Unloaded
All Other Nfld. Ports.....	All Other Nfld. Ports.....	2
All Other Ont. Ports.....	Walkerville.....	1,225

MOVEMENTS OF OTHER GRAIN ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1965

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



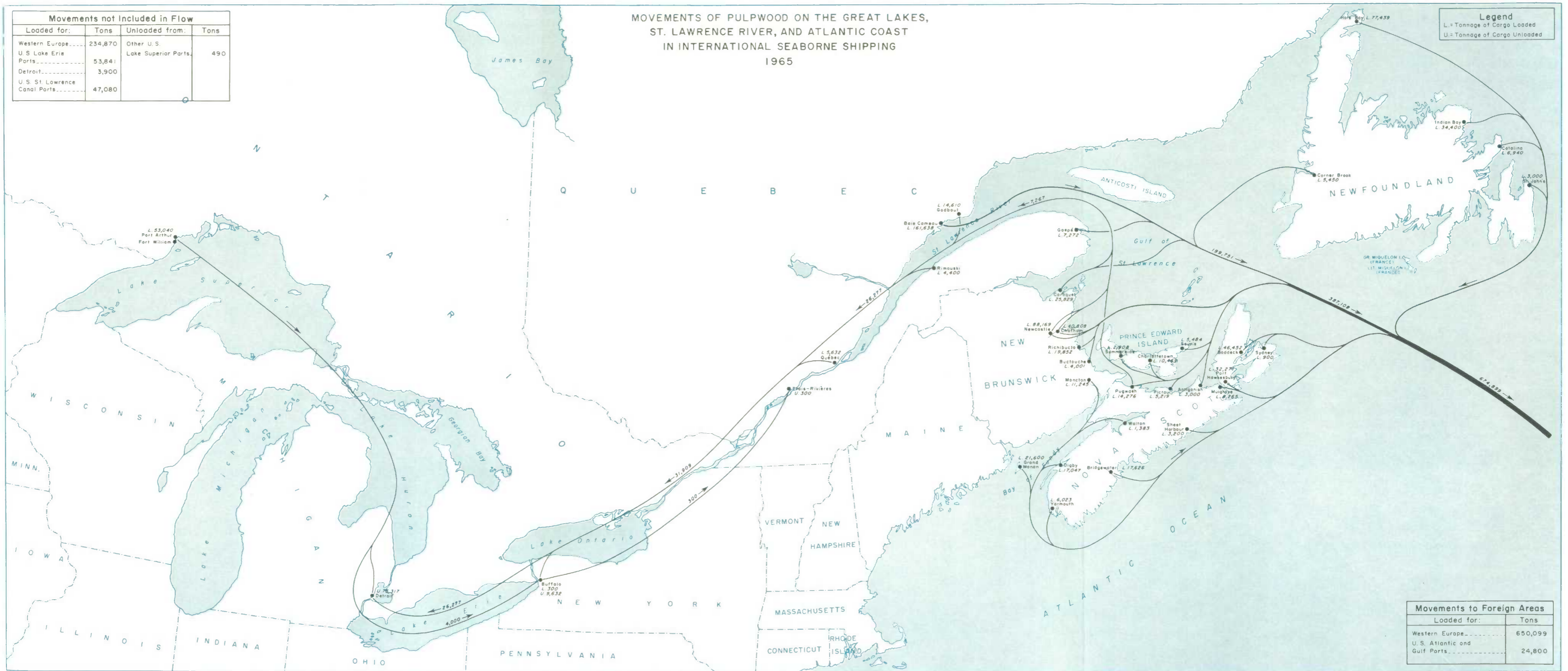




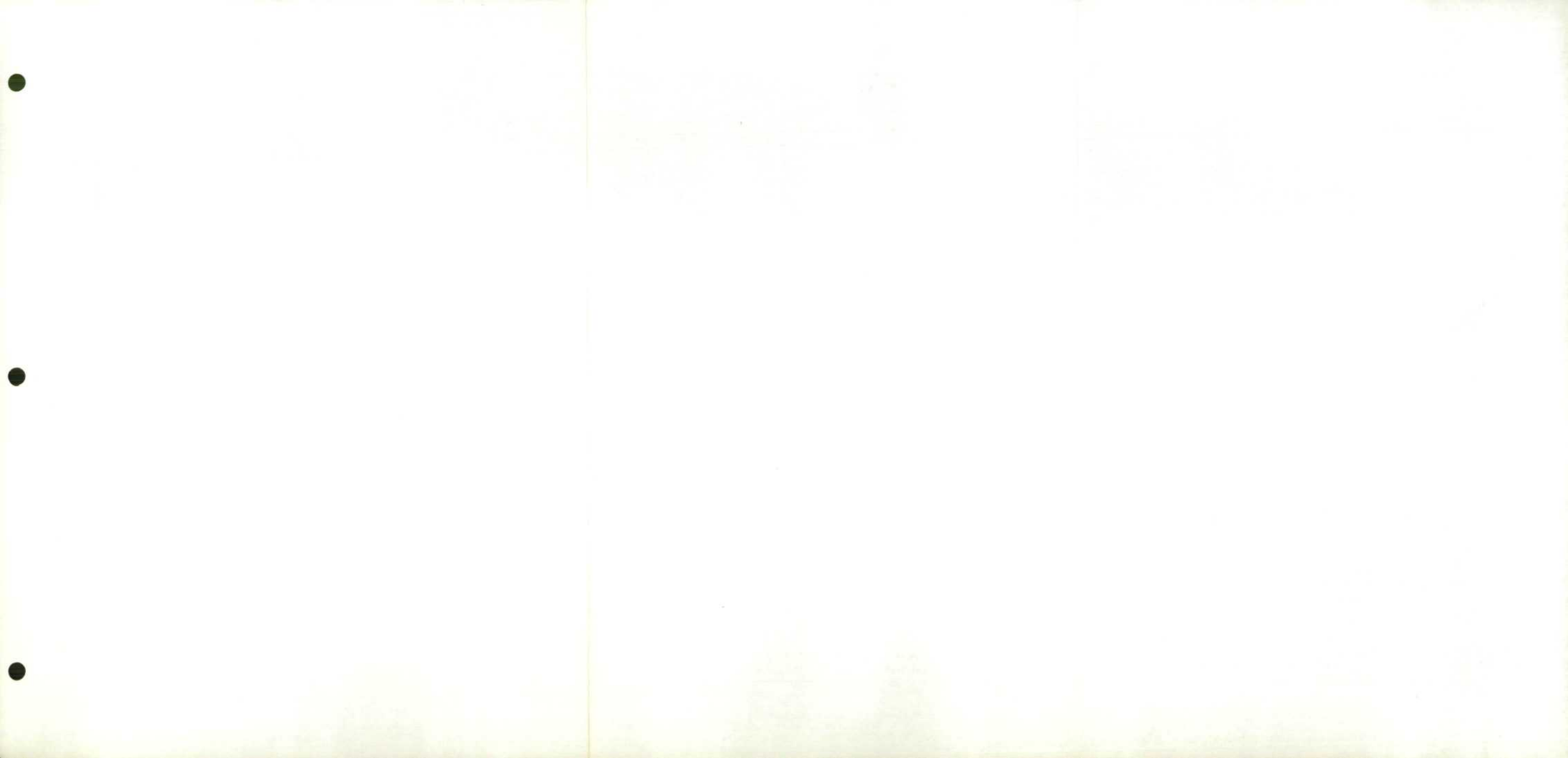
MOVEMENTS OF PULPWOOD ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1965

Movements not Included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	234,870	Other U.S.	
U.S. Lake Erie Ports.....	53,841	Lake Superior Ports.	490
Detroit.....	3,900		
U.S. St. Lawrence Canal Ports.....	47,080		

Legend	
L =	Tonnage of Cargo Loaded
U =	Tonnage of Cargo Unloaded



Movements to Foreign Areas	
Loaded for:	Tons
Western Europe.....	650,099
U.S. Atlantic and Gulf Ports.....	24,800

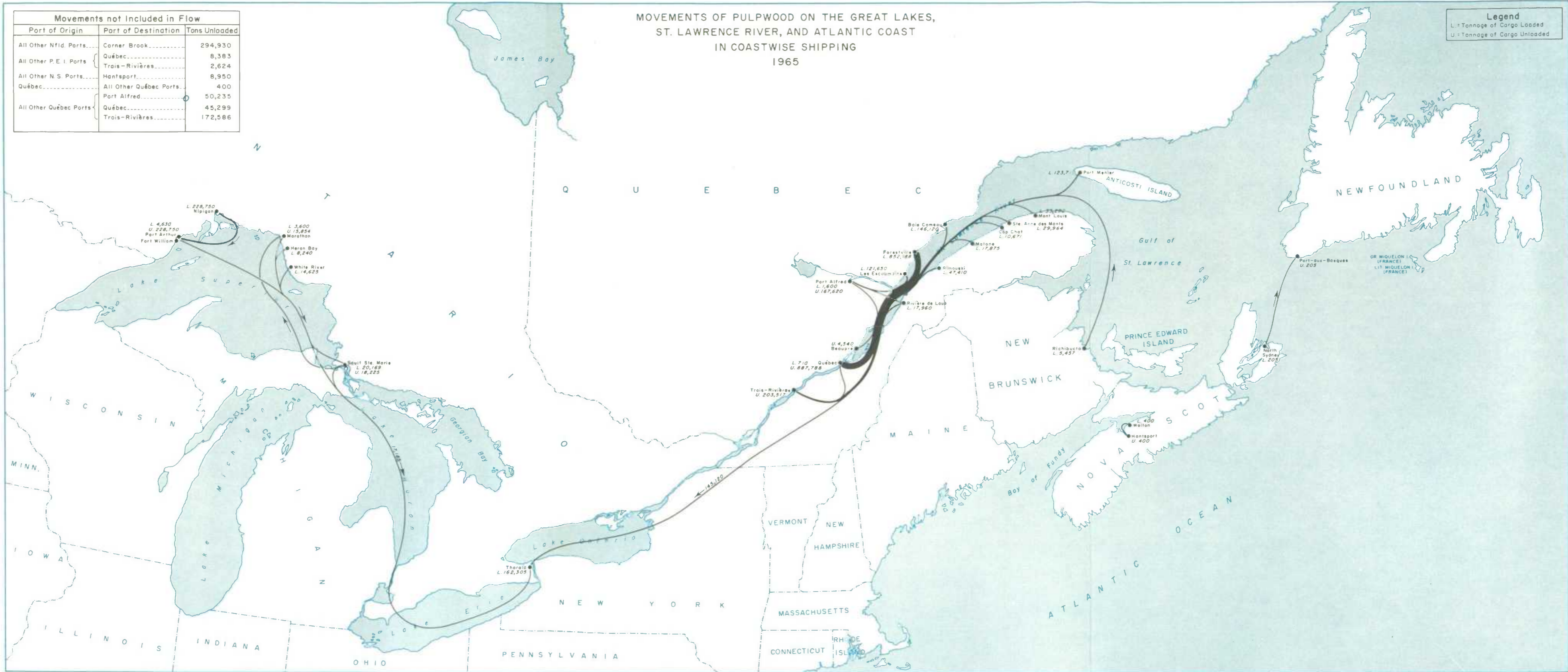


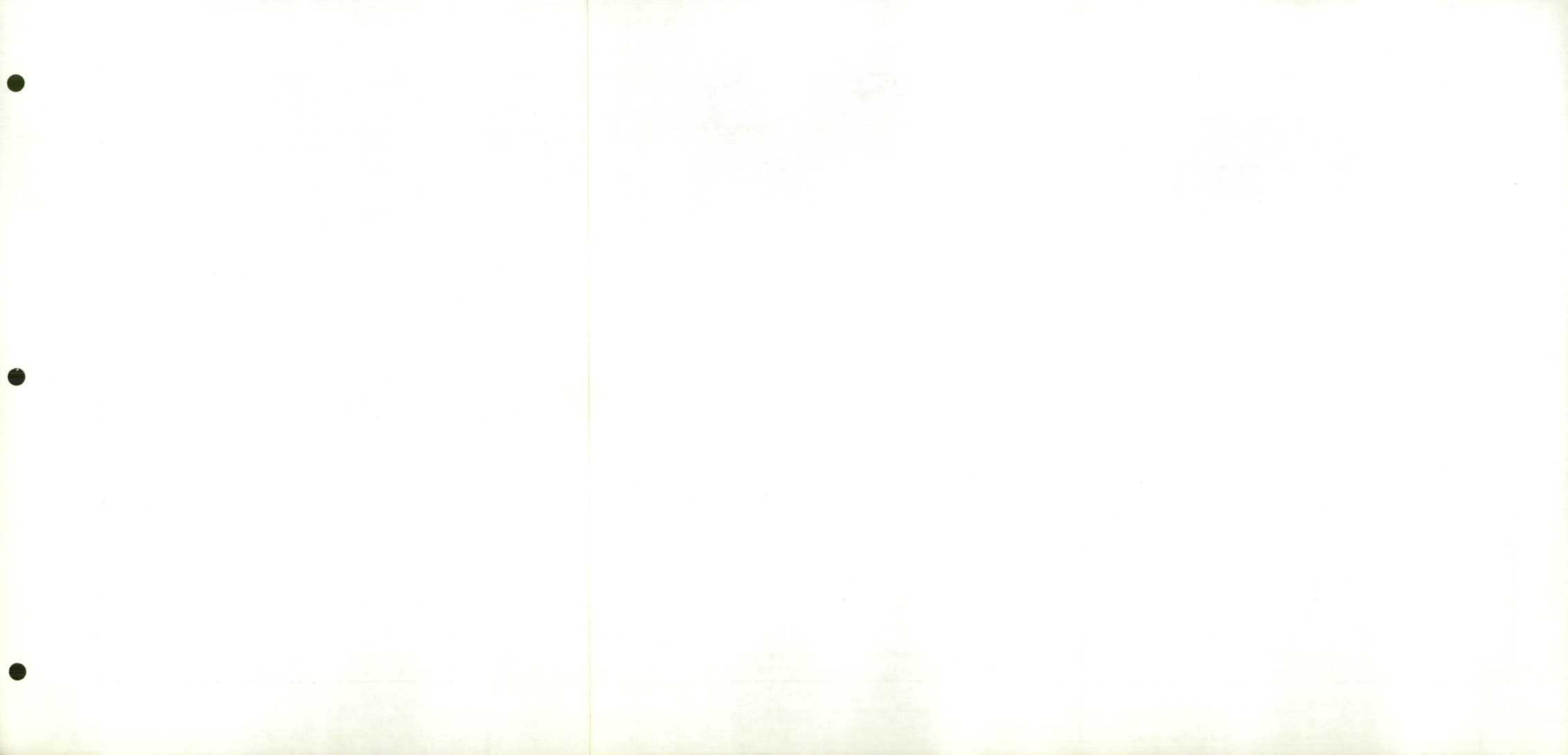


MOVEMENTS OF PULPWOOD ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1965

Movements not Included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
All Other Nfld. Ports	Corner Brook	294,930
All Other P.E.I. Ports	Québec	8,383
	Trois-Rivières	2,624
All Other N.S. Ports	Hantsport	8,950
Québec	All Other Québec Ports	400
	Port Alfred	50,235
	Québec	45,299
All Other Québec Ports	Trois-Rivières	172,586

**Legend**  
L: Tonnage of Cargo Loaded  
U: Tonnage of Cargo Unloaded



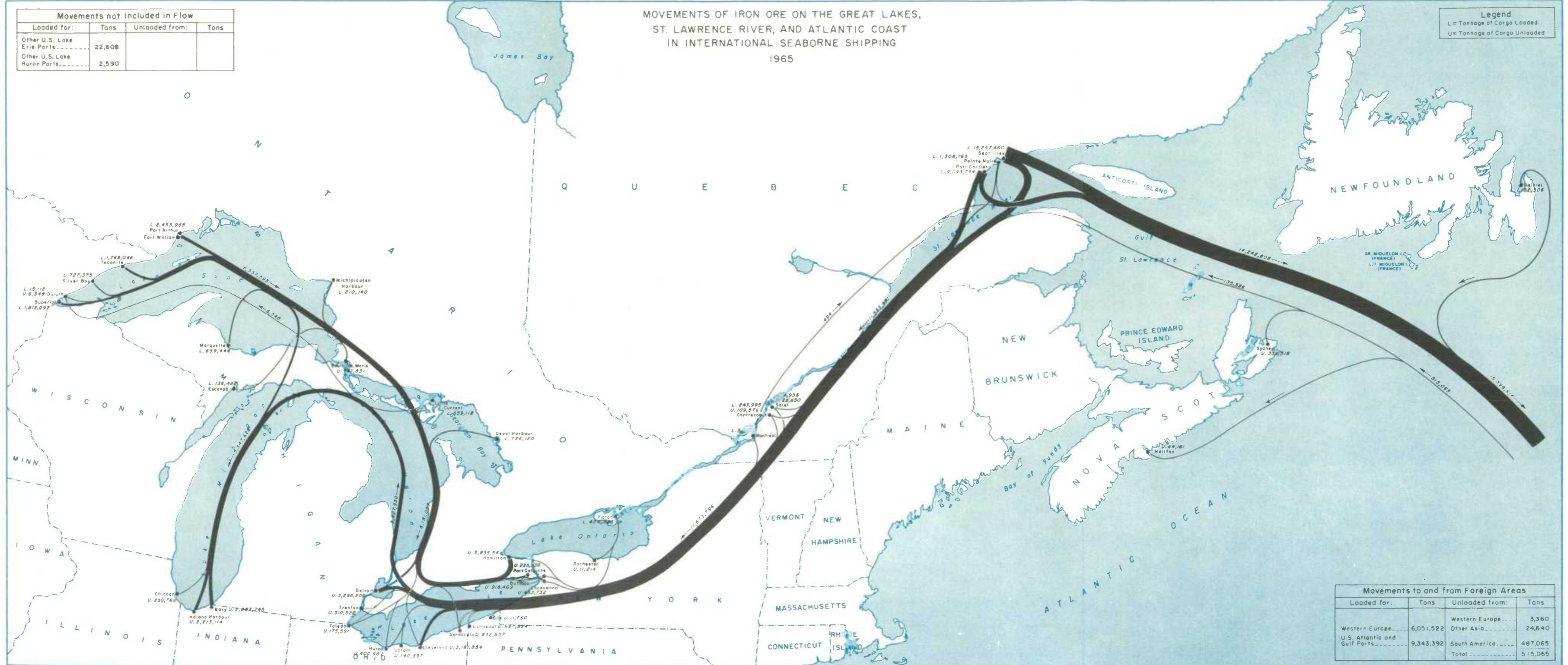




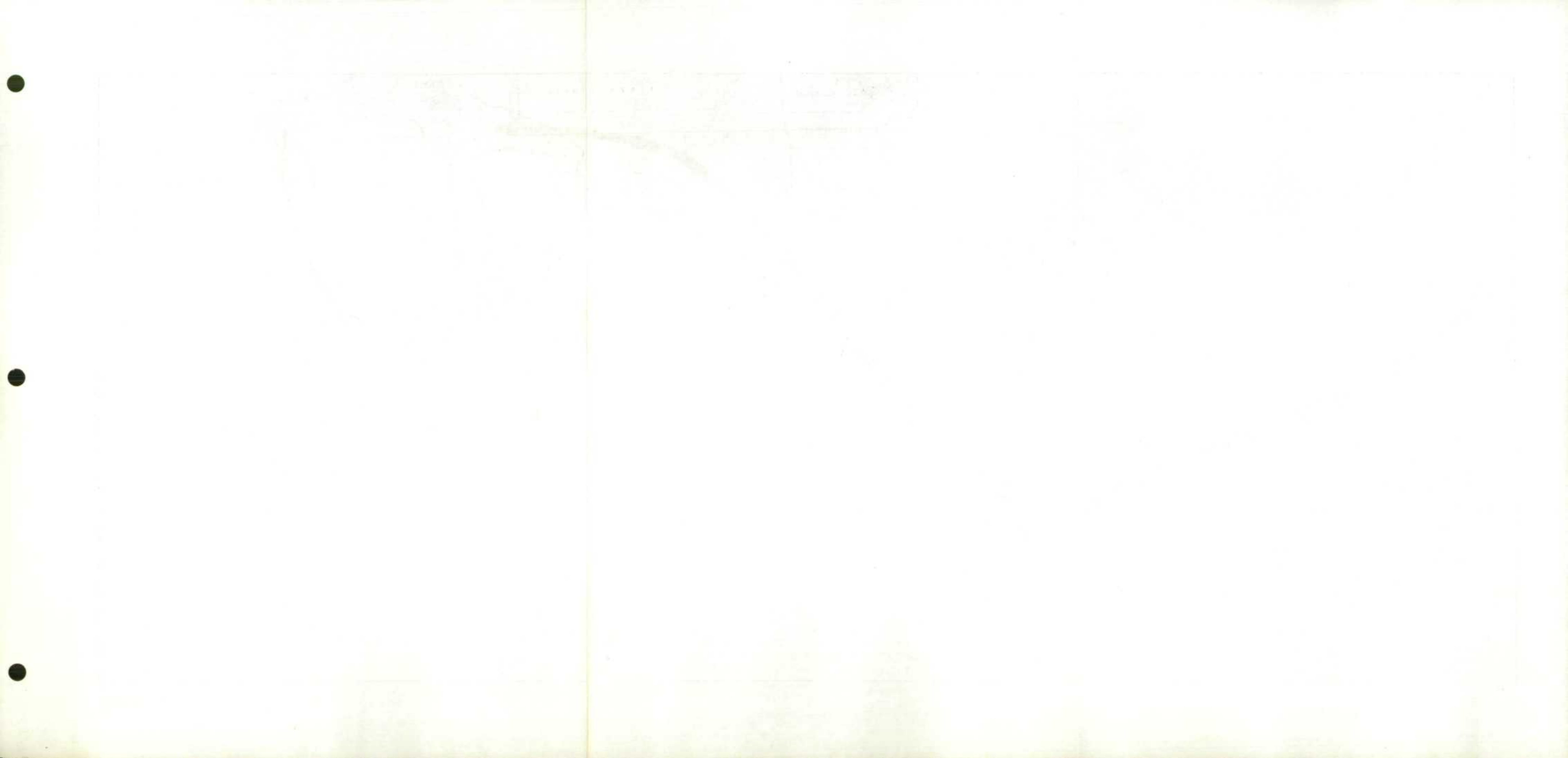
MOVEMENTS OF IRON ORE ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1965

Movements not included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
Other U.S. Lake Erie Ports.....	22,608		
Other U.S. Lake Huron Ports.....	2,590		

Legend			
L=	Tonnage of Cargo Loaded	U=	Tonnage of Cargo Unloaded



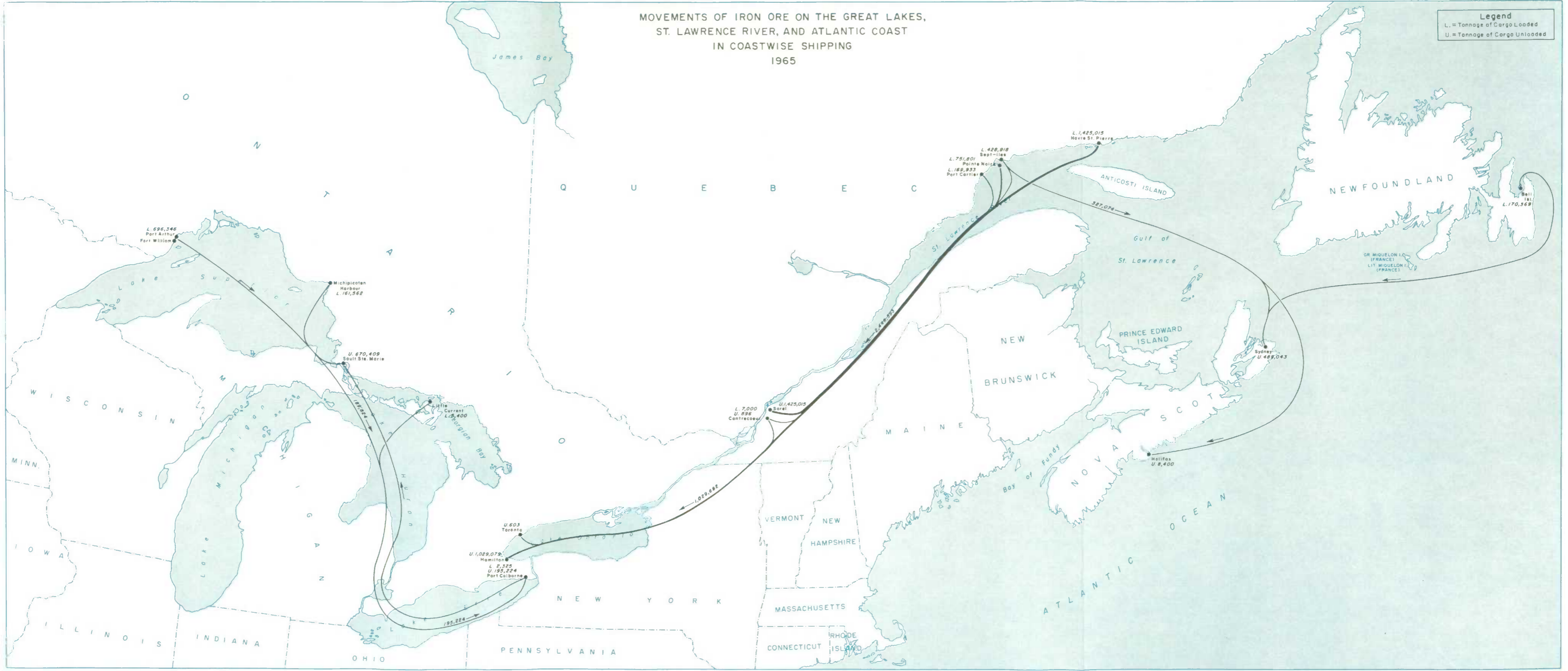
Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	6,051,522	Western Europe.....	3,360
U.S. Atlantic and Gulf Ports.....	9,343,392	Other Asia.....	24,640
		South America.....	487,065
		Total.....	515,065

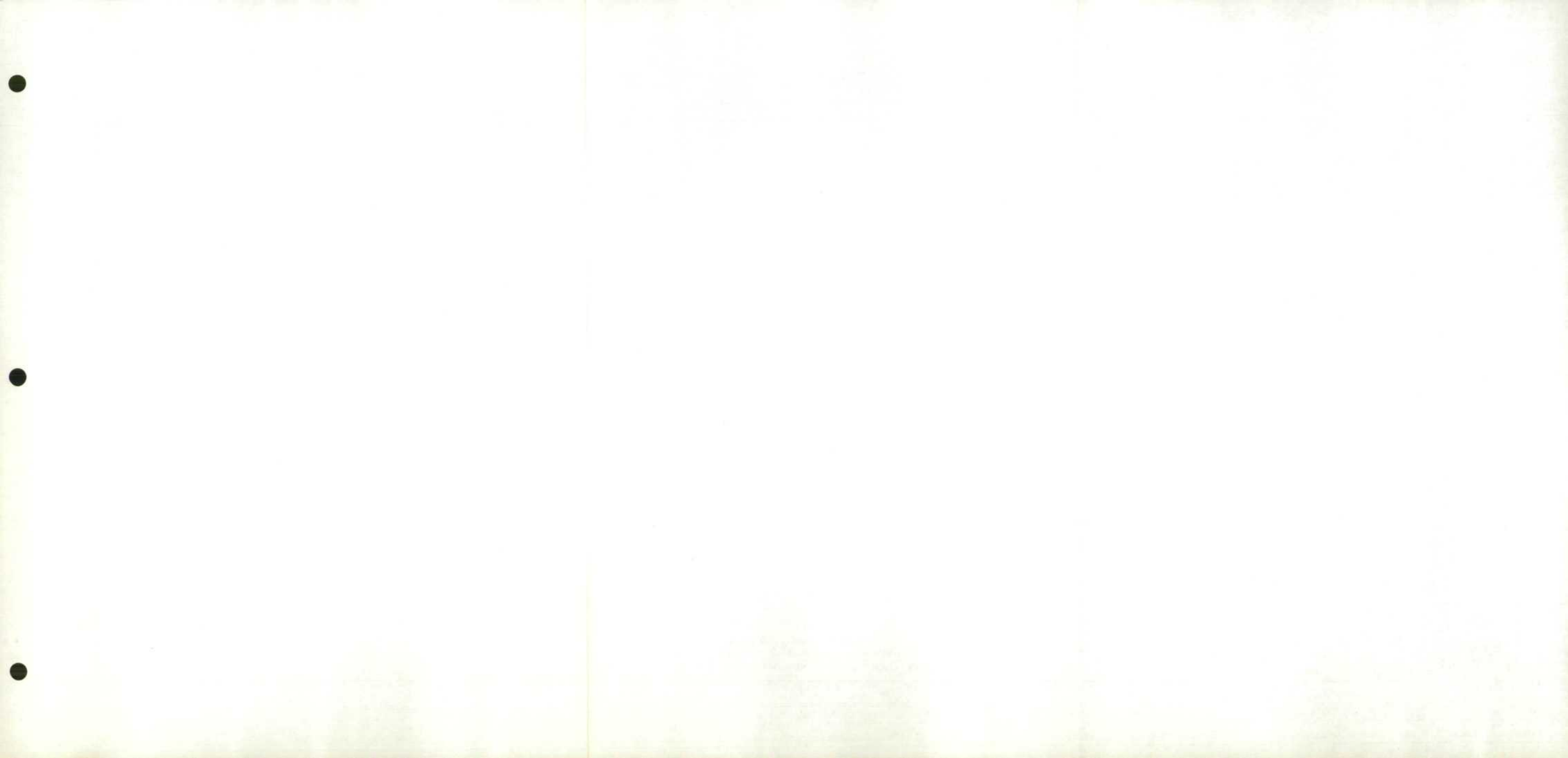




### MOVEMENTS OF IRON ORE ON THE GREAT LAKES, ST. LAWRENCE RIVER, AND ATLANTIC COAST IN COASTWISE SHIPPING 1965

**Legend**  
 L. = Tonnage of Cargo Loaded  
 U. = Tonnage of Cargo Unloaded







Movements not Included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
Other U.S. Lake Ontario Ports.....			20,196
U.S. Atlantic and Gulf Ports.....			1,369

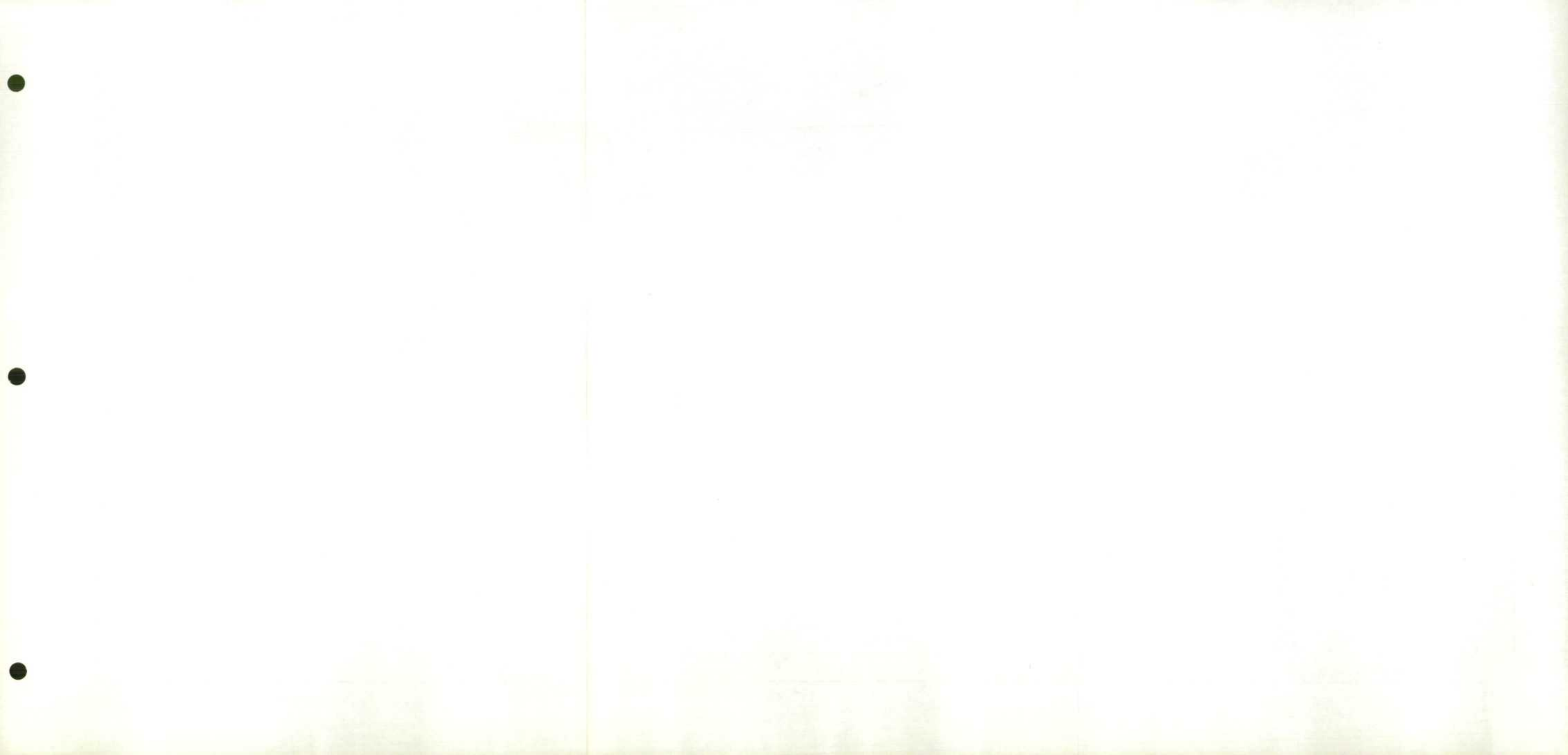
MOVEMENTS OF BITUMINOUS COAL ON THE GREAT LAKES, ST. LAWRENCE RIVER, AND ATLANTIC COAST IN INTERNATIONAL SEABORNE SHIPPING 1965

Legend	
L = Tonnage of Cargo Loaded	
U = Tonnage of Cargo Unloaded	



Movements from Foreign Areas	
Unloaded from:	Tons
U.S. Atlantic and Gulf Ports.....	285,110



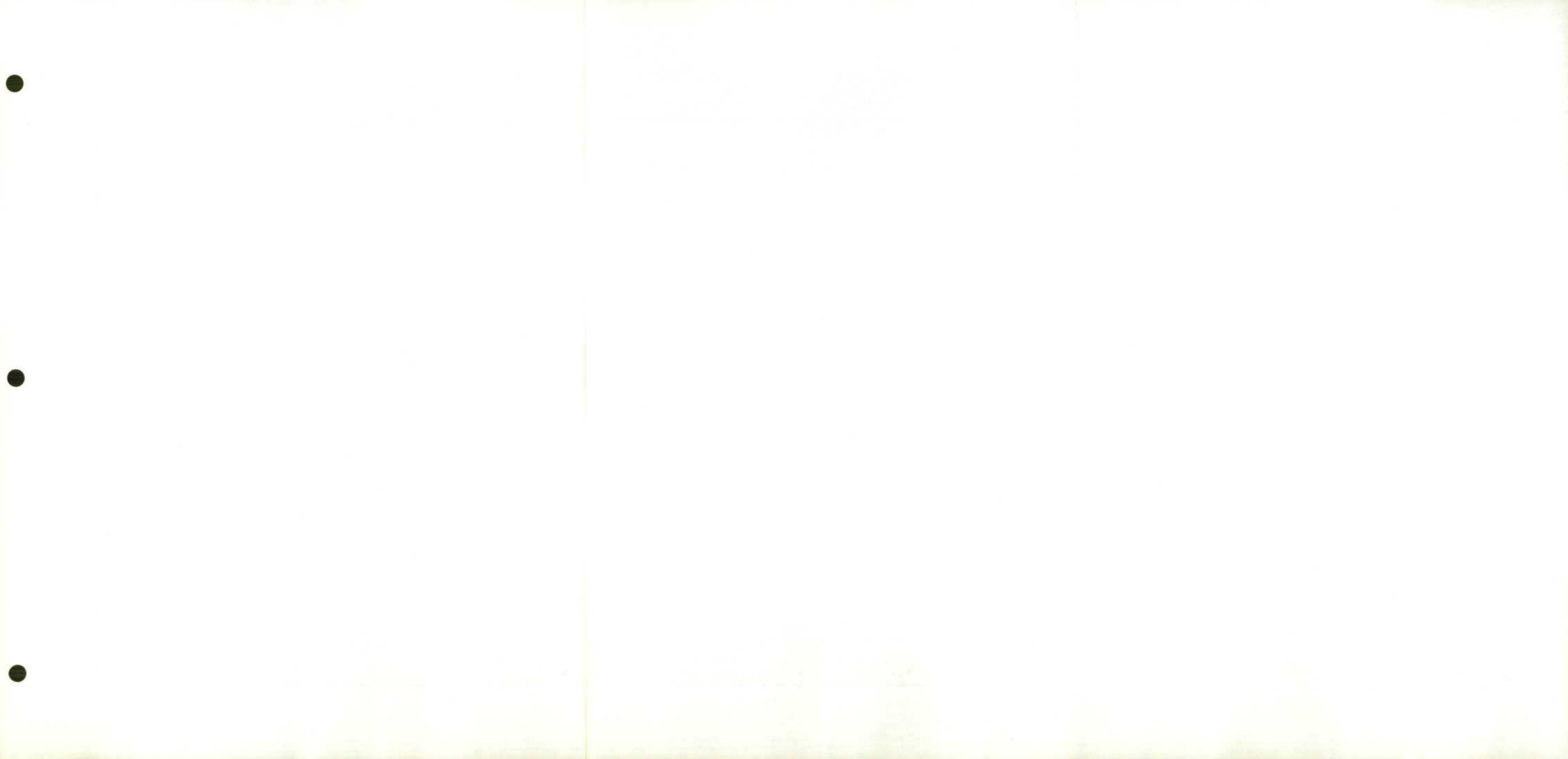


MOVEMENTS OF BITUMINOUS COAL ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1965

Movements not Included in Flow		
Port of Origin	Part of Destination	Tons Unloaded
Argentina	All Other Nfld. Ports	30
Lewisporte	"	36
St. John's	"	4
All Other Nfld. Ports	"	44
Halifax	"	283
North Sydney	All Other Nfld. Ports	1,275
Mulgrave	All Other Quebec Ports	93
Sydney	"	31
Yarmouth	"	38,671
All Other N.S. Ports	"	53
All Other N.S. Ports	All Other Nfld. Ports	24
	Yarmouth	8
Matane	All Other Quebec Ports	160

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



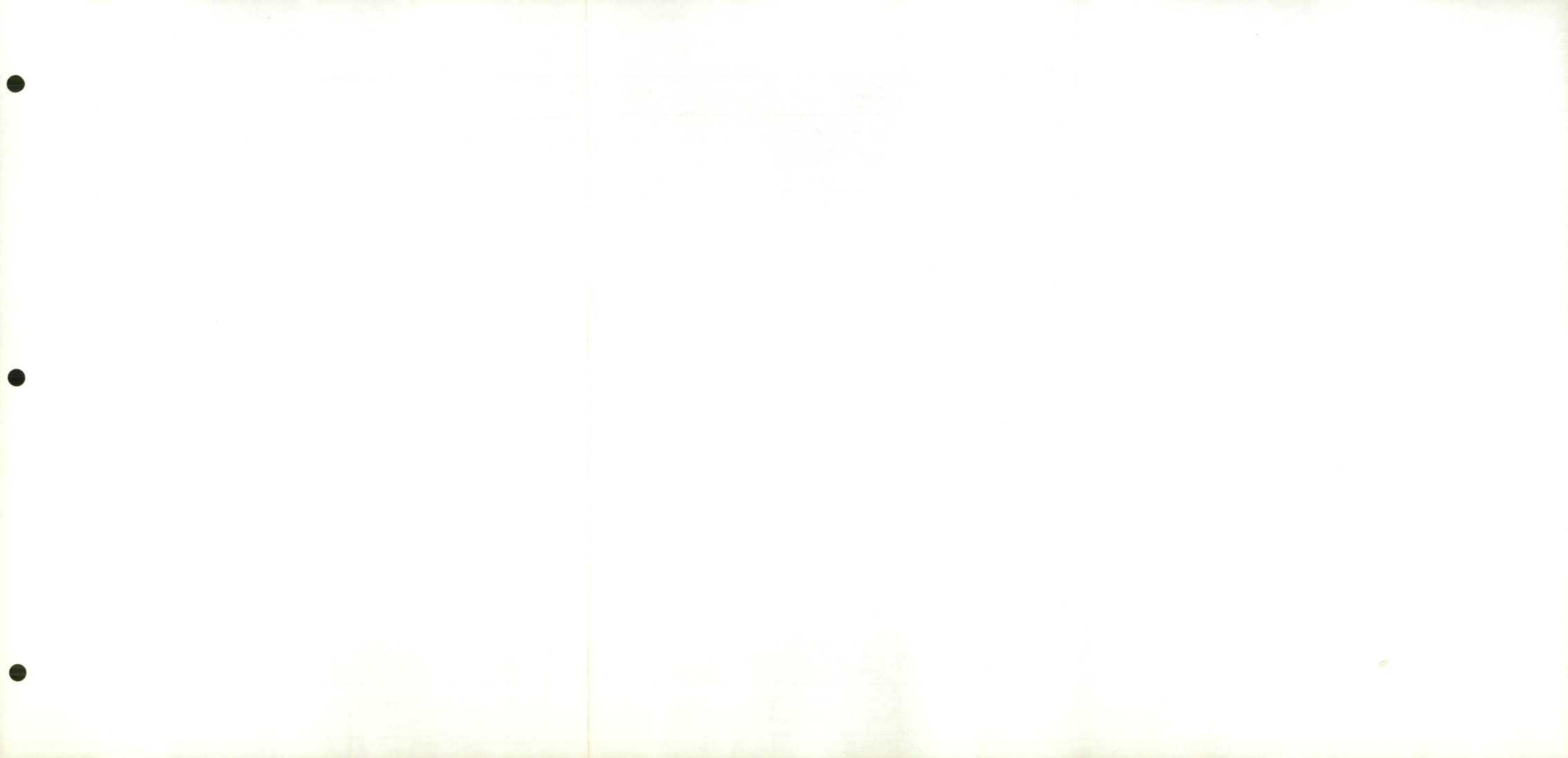




MOVEMENTS OF GYPSUM ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1965

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



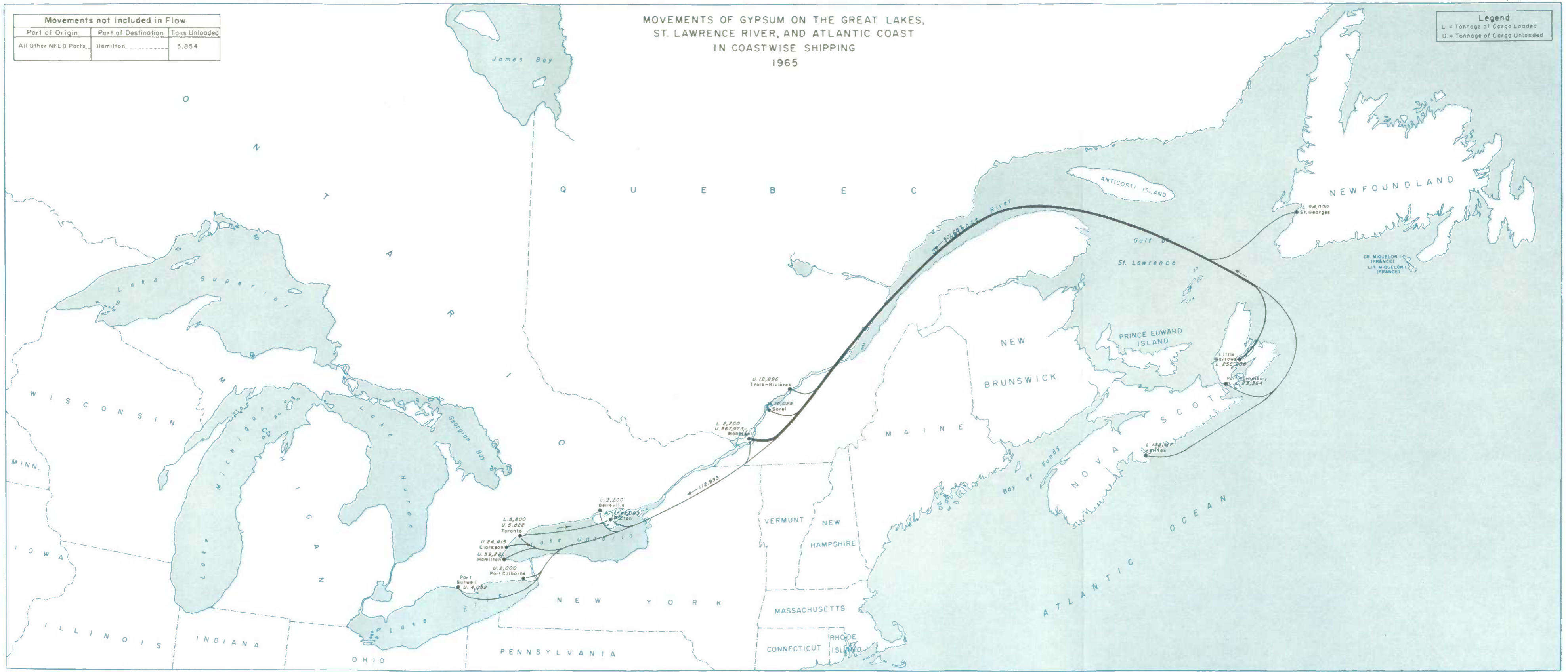


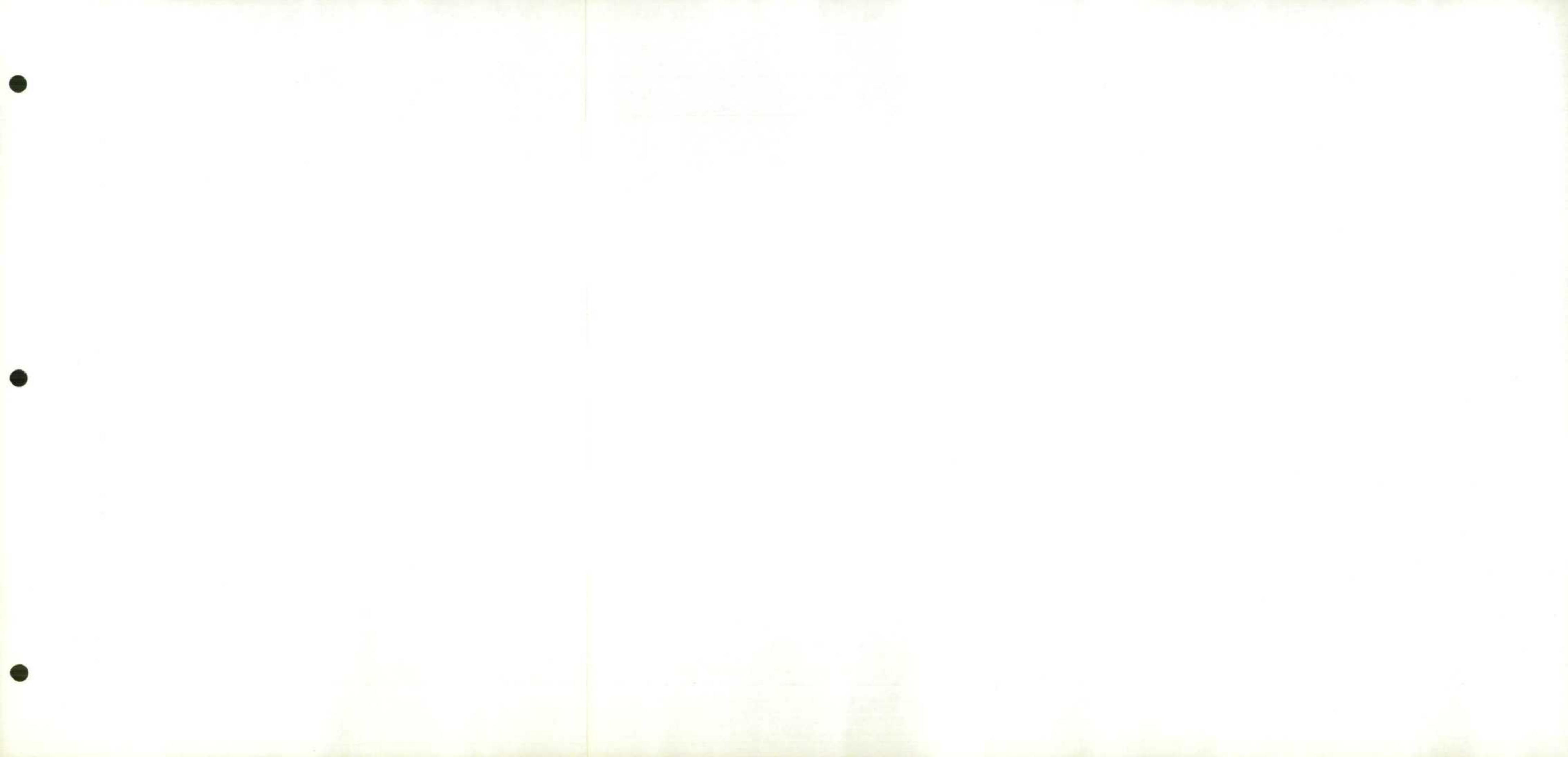


Movements not Included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
All Other NFLD Ports	Hamilton	5,854

MOVEMENTS OF GYPSUM ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1965

Legend	
L =	Tonnage of Cargo Loaded
U =	Tonnage of Cargo Unloaded



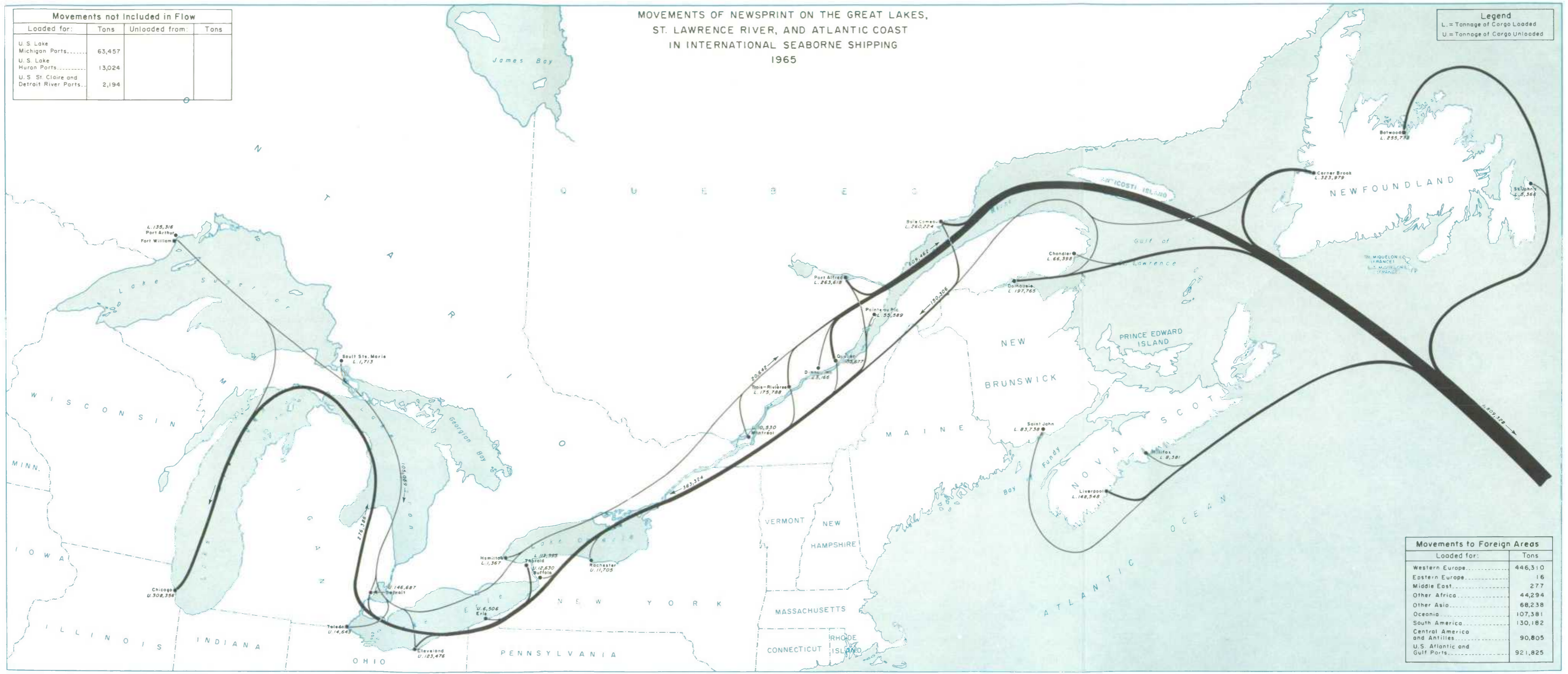




Movements not included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
U. S. Lake Michigan Ports.....	63,457		
U. S. Lake Huron Ports.....	13,024		
U. S. St. Claire and Detroit River Ports.....	2,194		

MOVEMENTS OF NEWSPRINT ON THE GREAT LAKES, ST. LAWRENCE RIVER, AND ATLANTIC COAST IN INTERNATIONAL SEABORNE SHIPPING 1965

**Legend**  
 L = Tonnage of Cargo Loaded  
 U = Tonnage of Cargo Unloaded



Movements to Foreign Areas	
Loaded for:	Tons
Western Europe.....	446,310
Eastern Europe.....	16
Middle East.....	277
Other Africa.....	44,294
Other Asia.....	68,238
Oceania.....	107,381
South America.....	130,182
Central America and Antilles.....	90,805
U.S. Atlantic and Gulf Ports.....	921,825





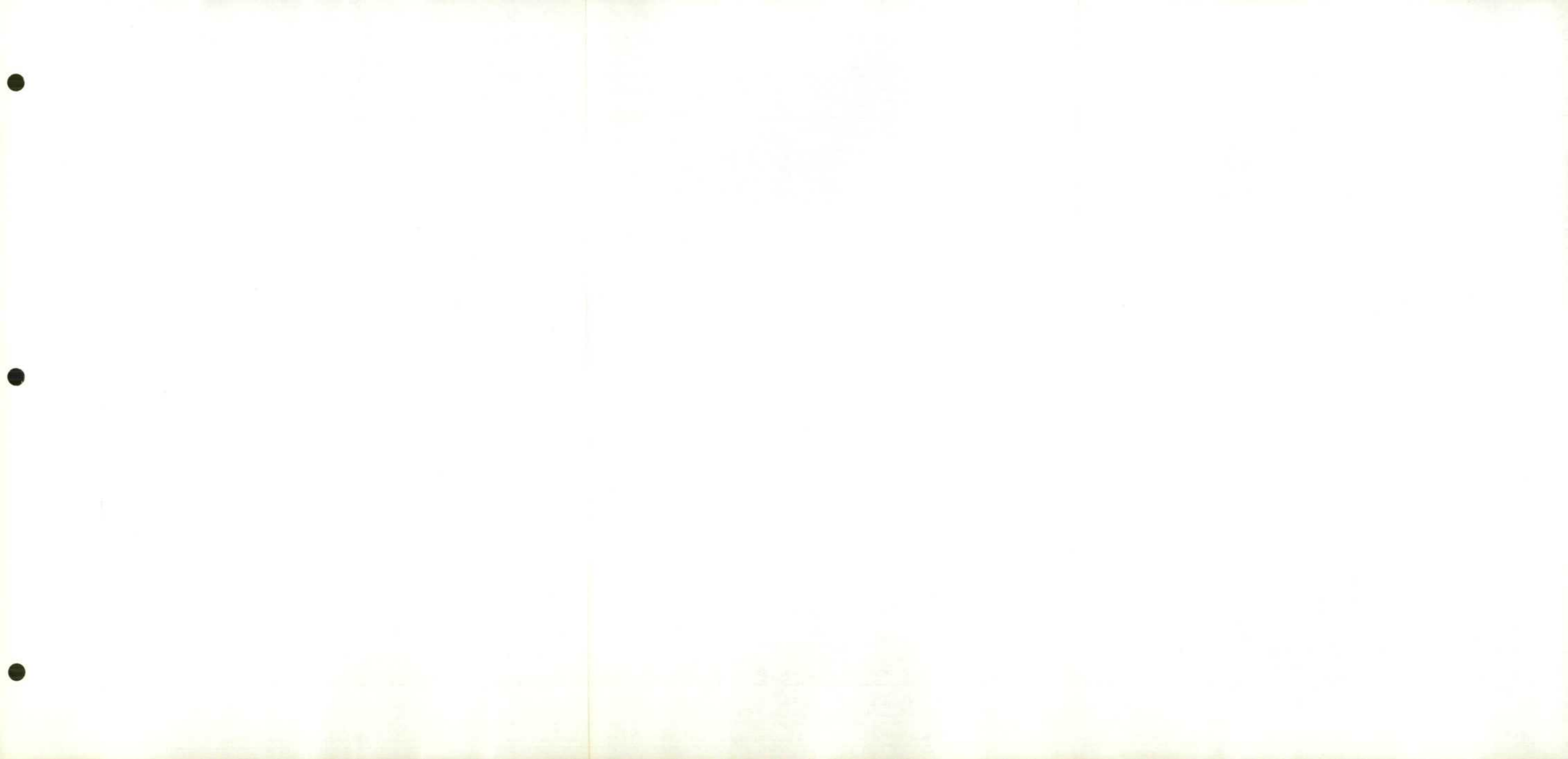
Movements not Included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
Montréal	Goose Bay	15

MOVEMENTS OF NEWSPRINT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1965

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



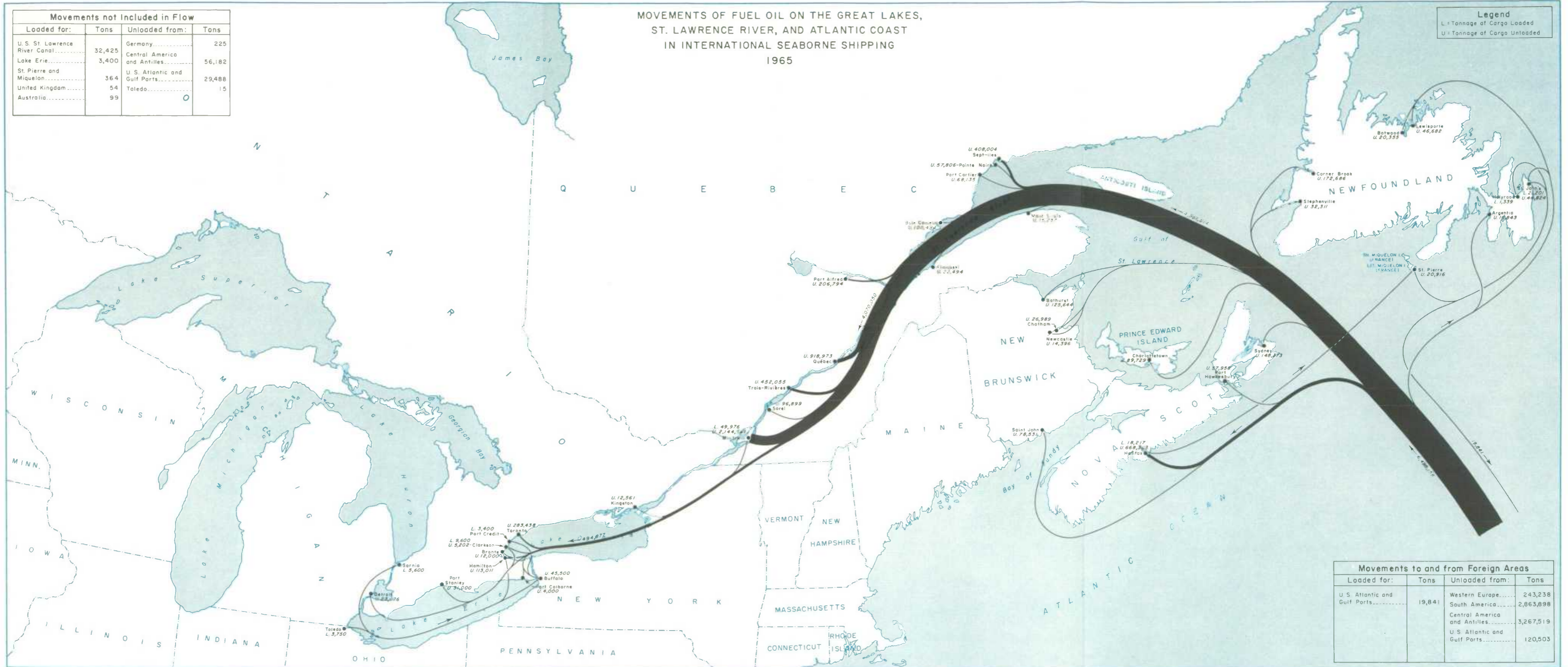




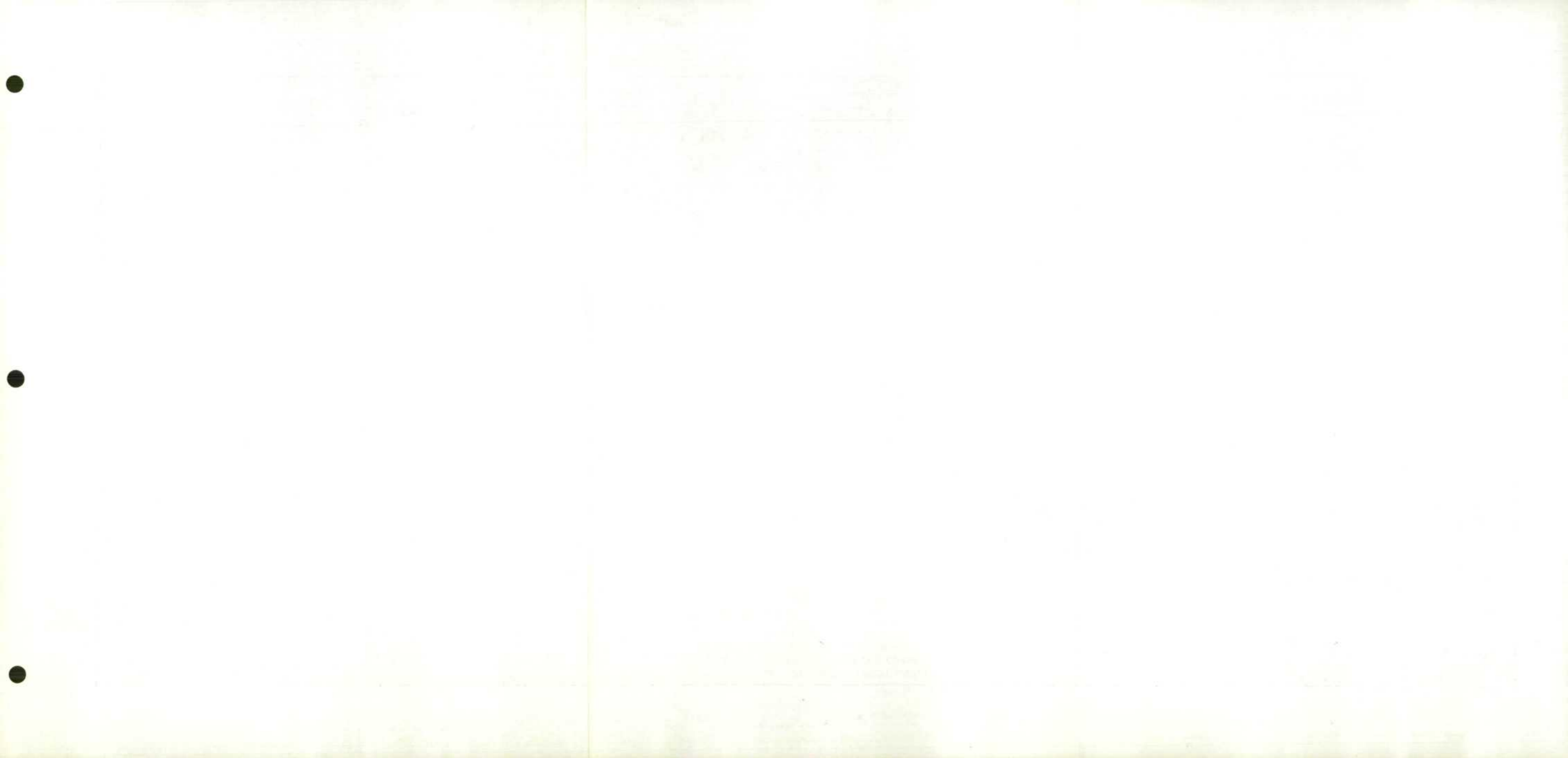
MOVEMENTS OF FUEL OIL ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1965

Movements not Included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
U. S. St. Lawrence River Canal.....	32,425	Germany.....	225
Lake Erie.....	3,400	Central America and Antilles.....	56,182
St. Pierre and Miquelon.....	364	U. S. Atlantic and Gulf Ports.....	29,488
United Kingdom.....	54	Toledo.....	15
Australia.....	99		0

Legend			
L	=	Tonnage of Cargo Loaded	
U	=	Tonnage of Cargo Unloaded	



Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
U. S. Atlantic and Gulf Ports.....	19,841	Western Europe.....	243,238
		South America.....	2,863,898
		Central America and Antilles.....	3,267,519
		U. S. Atlantic and Gulf Ports.....	120,503

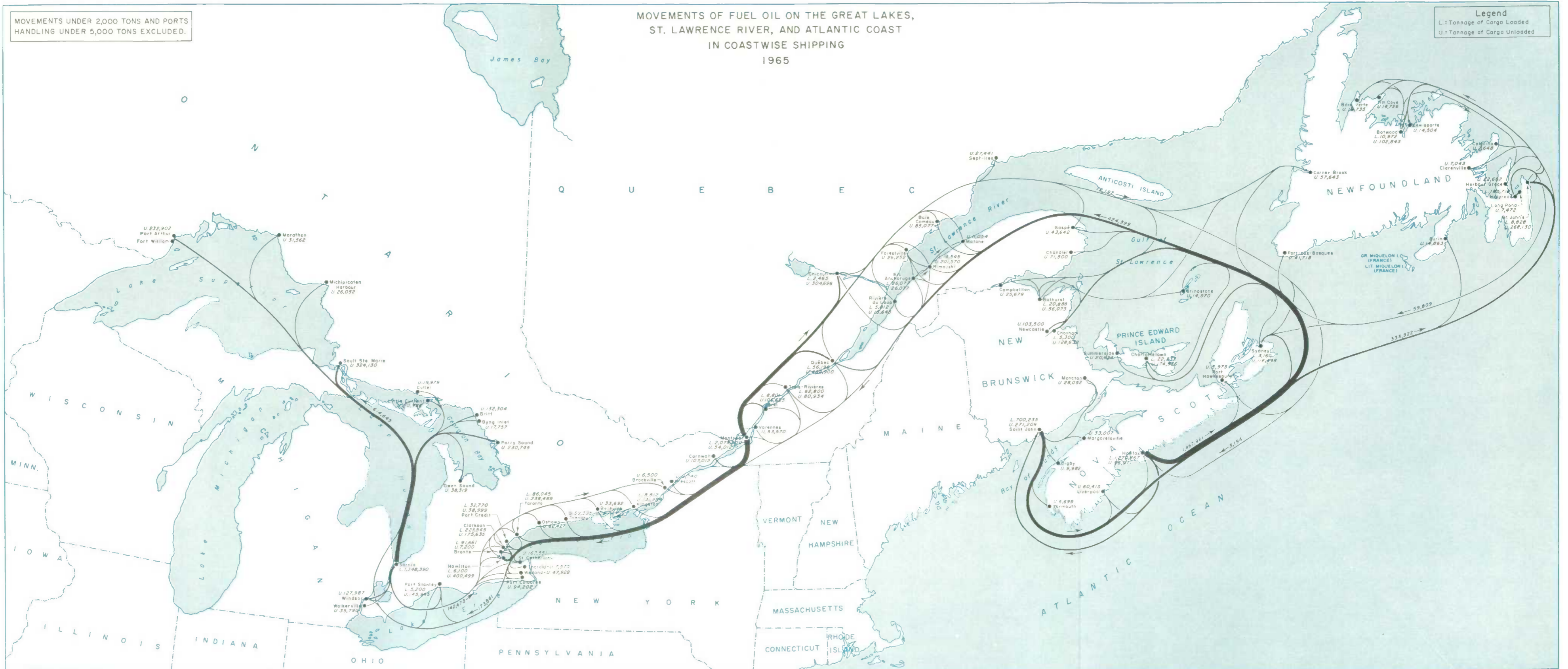


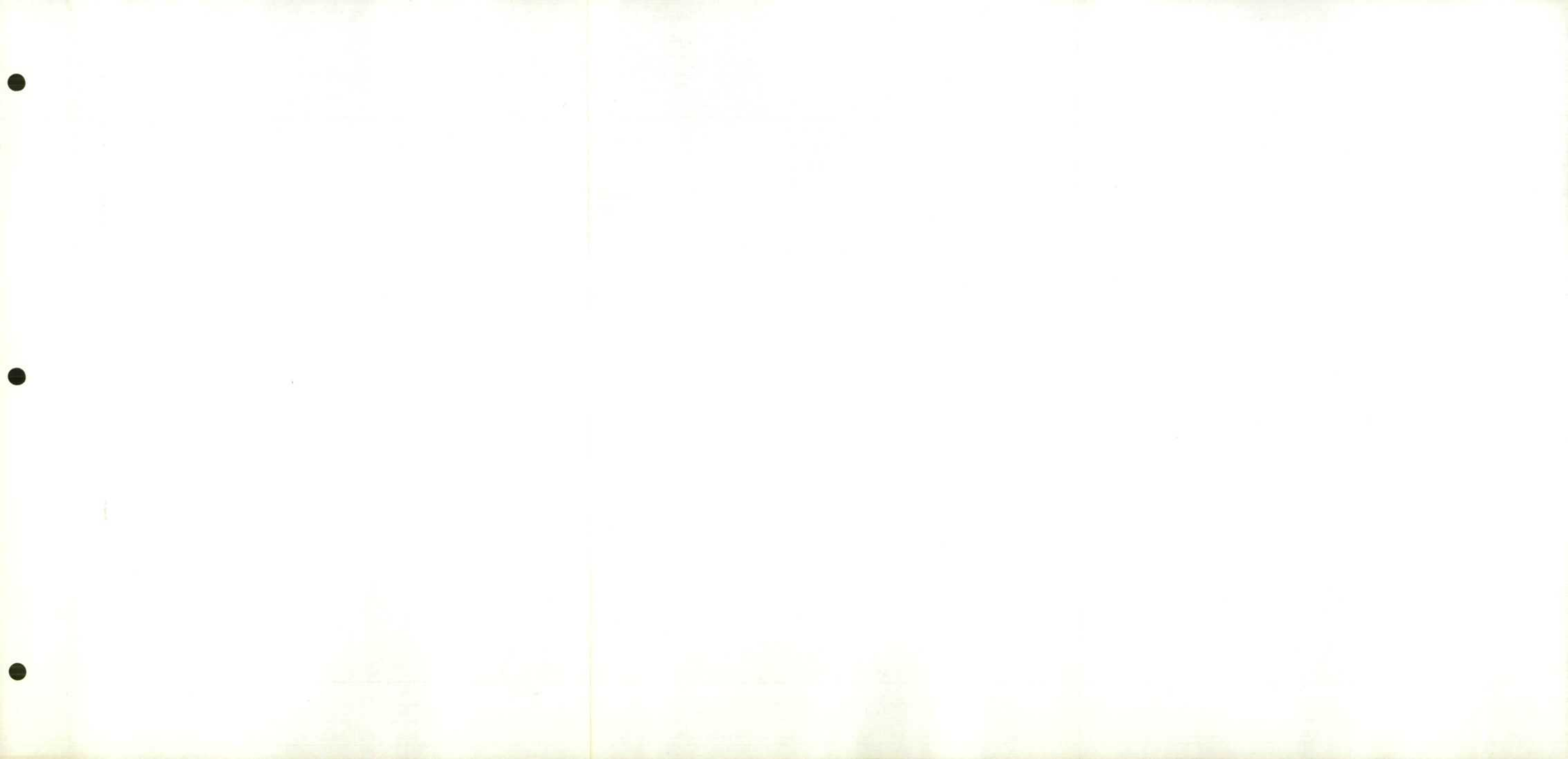


MOVEMENTS UNDER 2,000 TONS AND PORTS HANDLING UNDER 5,000 TONS EXCLUDED.

### MOVEMENTS OF FUEL OIL ON THE GREAT LAKES, ST. LAWRENCE RIVER, AND ATLANTIC COAST IN COASTWISE SHIPPING 1965

Legend  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded

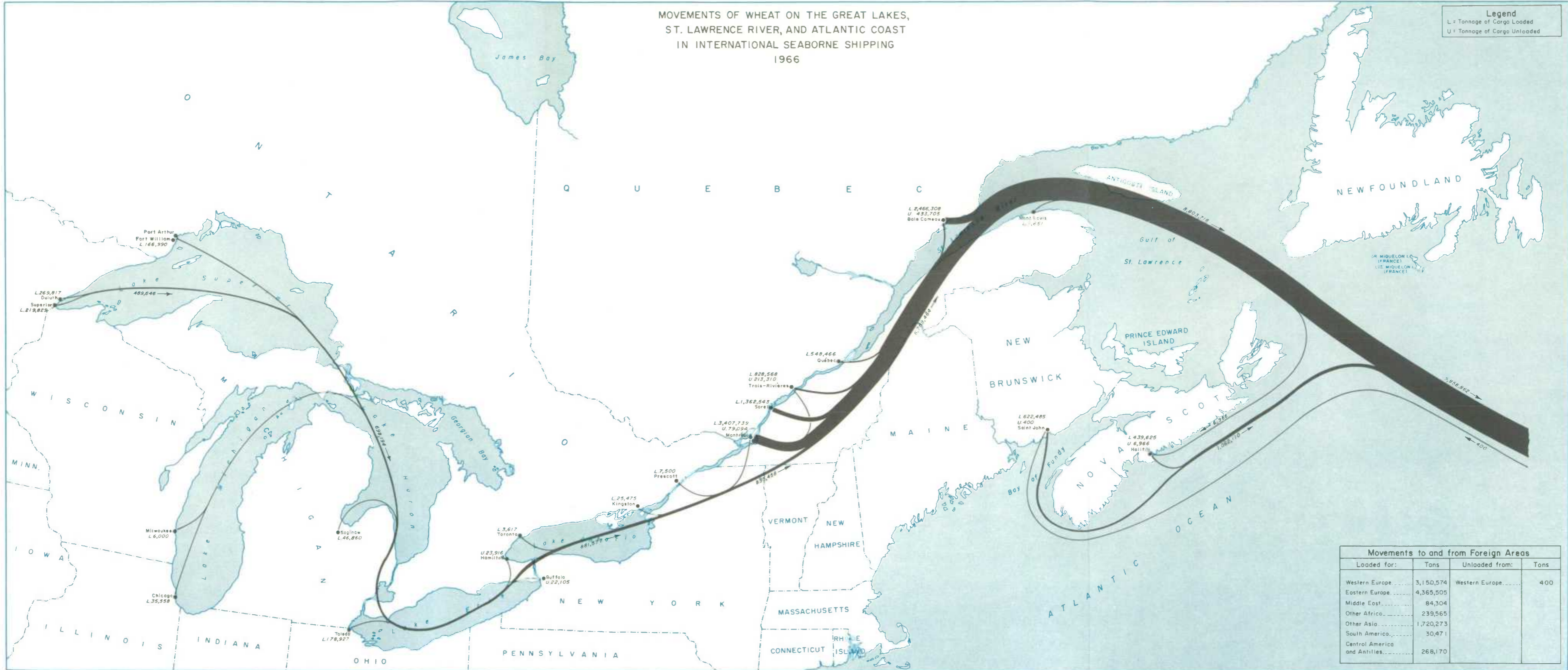






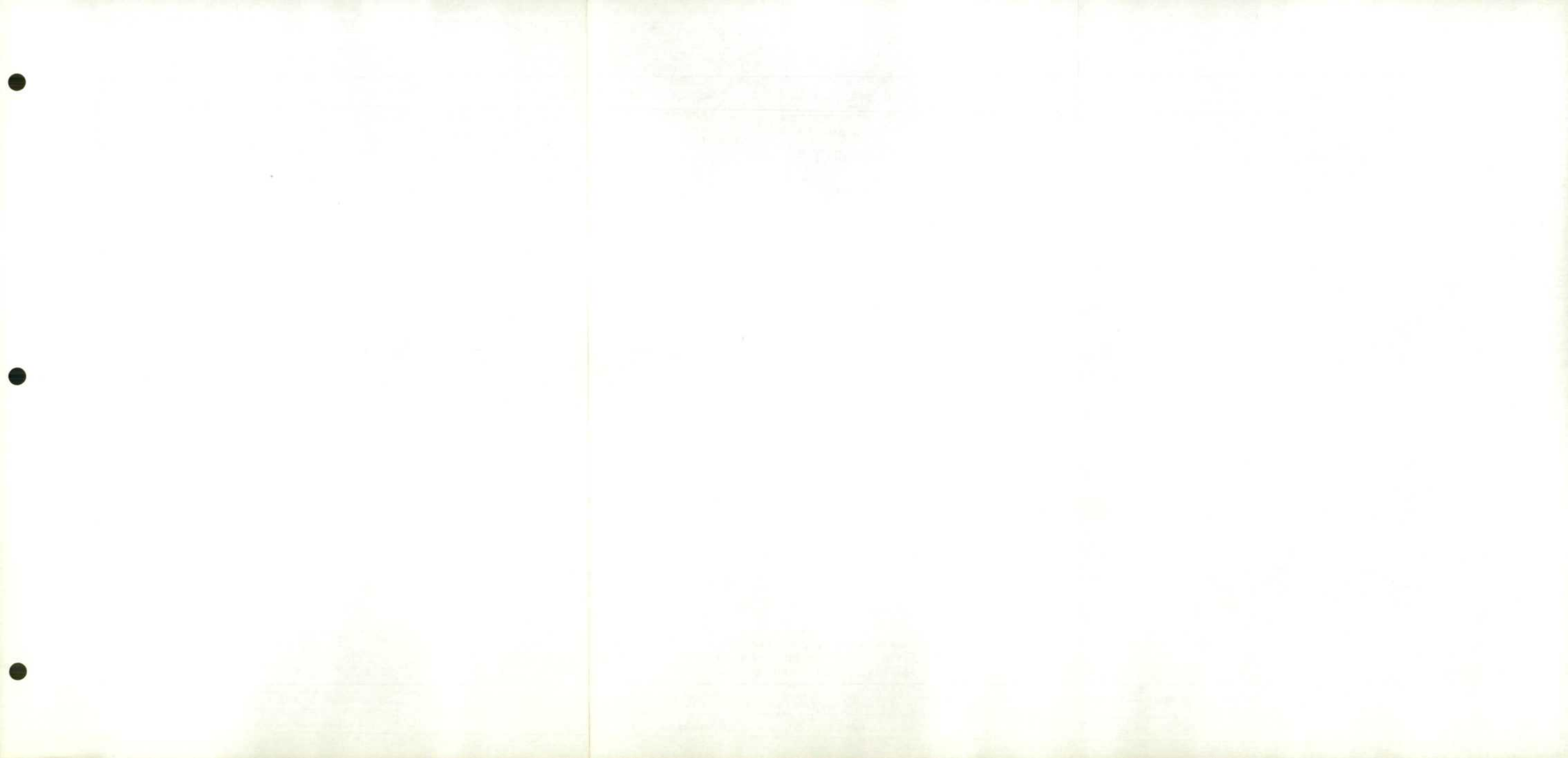
MOVEMENTS OF WHEAT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	3,150,574	Western Europe.....	400
Eastern Europe.....	4,365,505		
Middle East.....	84,304		
Other Africa.....	239,565		
Other Asia.....	1,720,273		
South America.....	30,471		
Central America and Antilles.....	268,170		

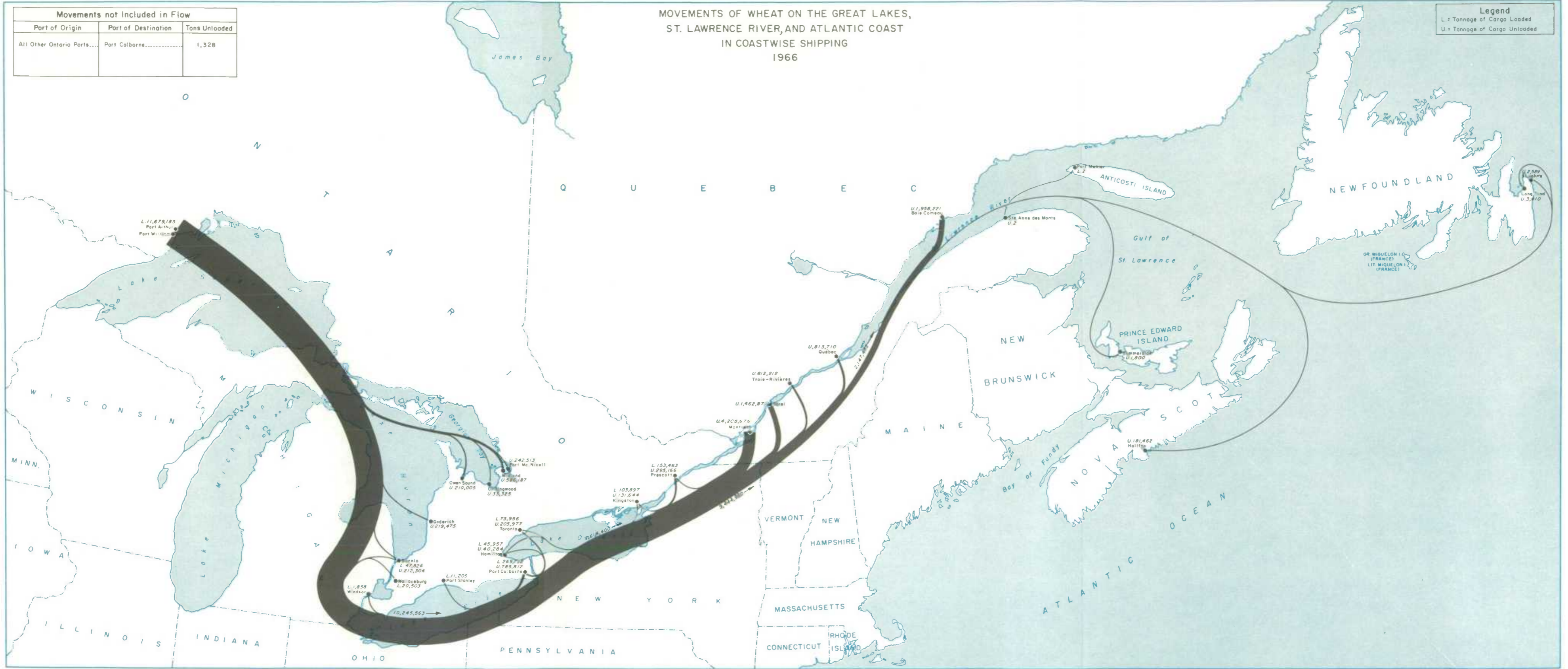


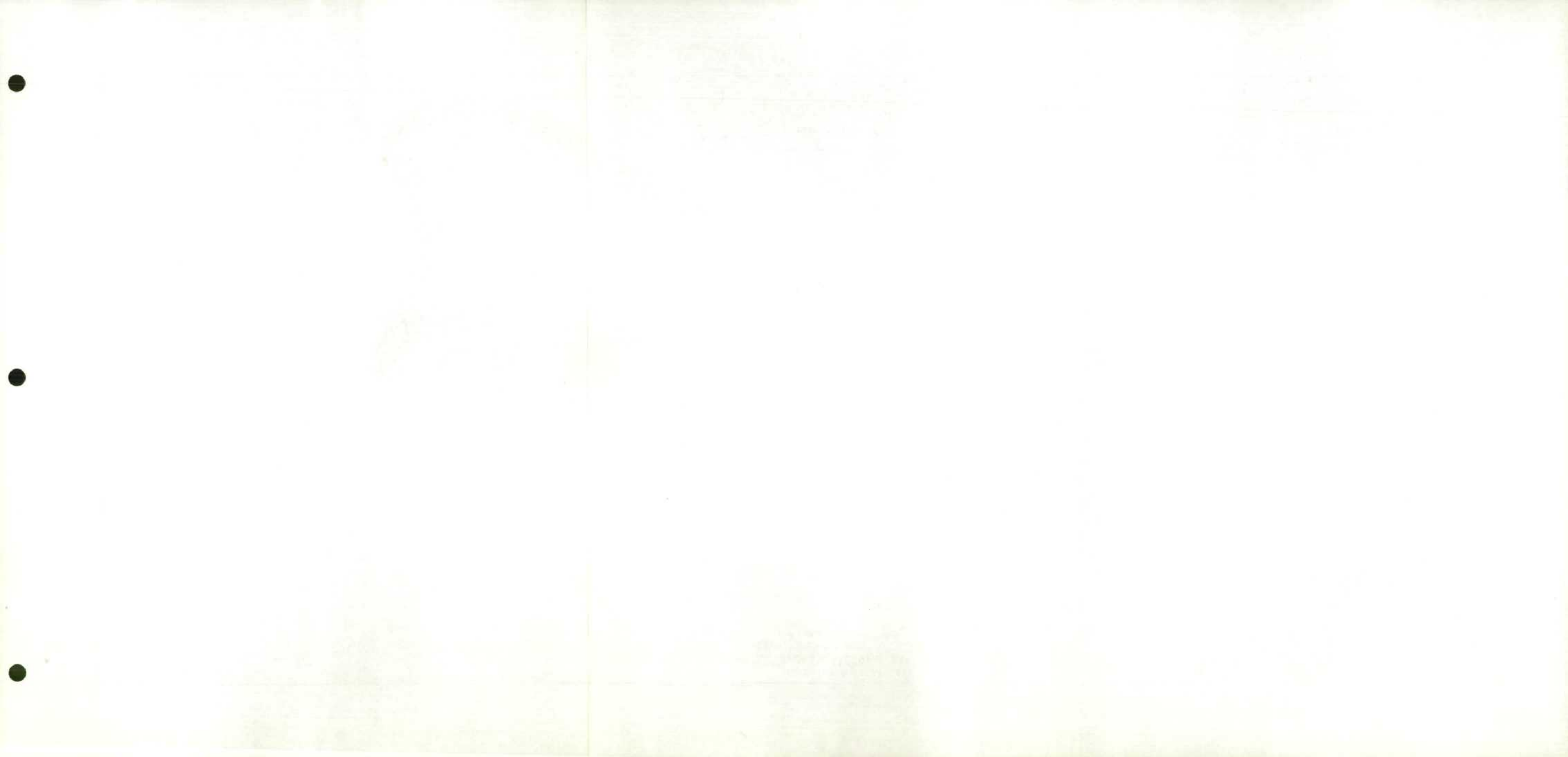


Movements not Included in Flow		
Part of Origin	Part of Destination	Tons Unloaded
All Other Ontario Ports....	Port Colborne.....	1,328

MOVEMENTS OF WHEAT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1966

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded





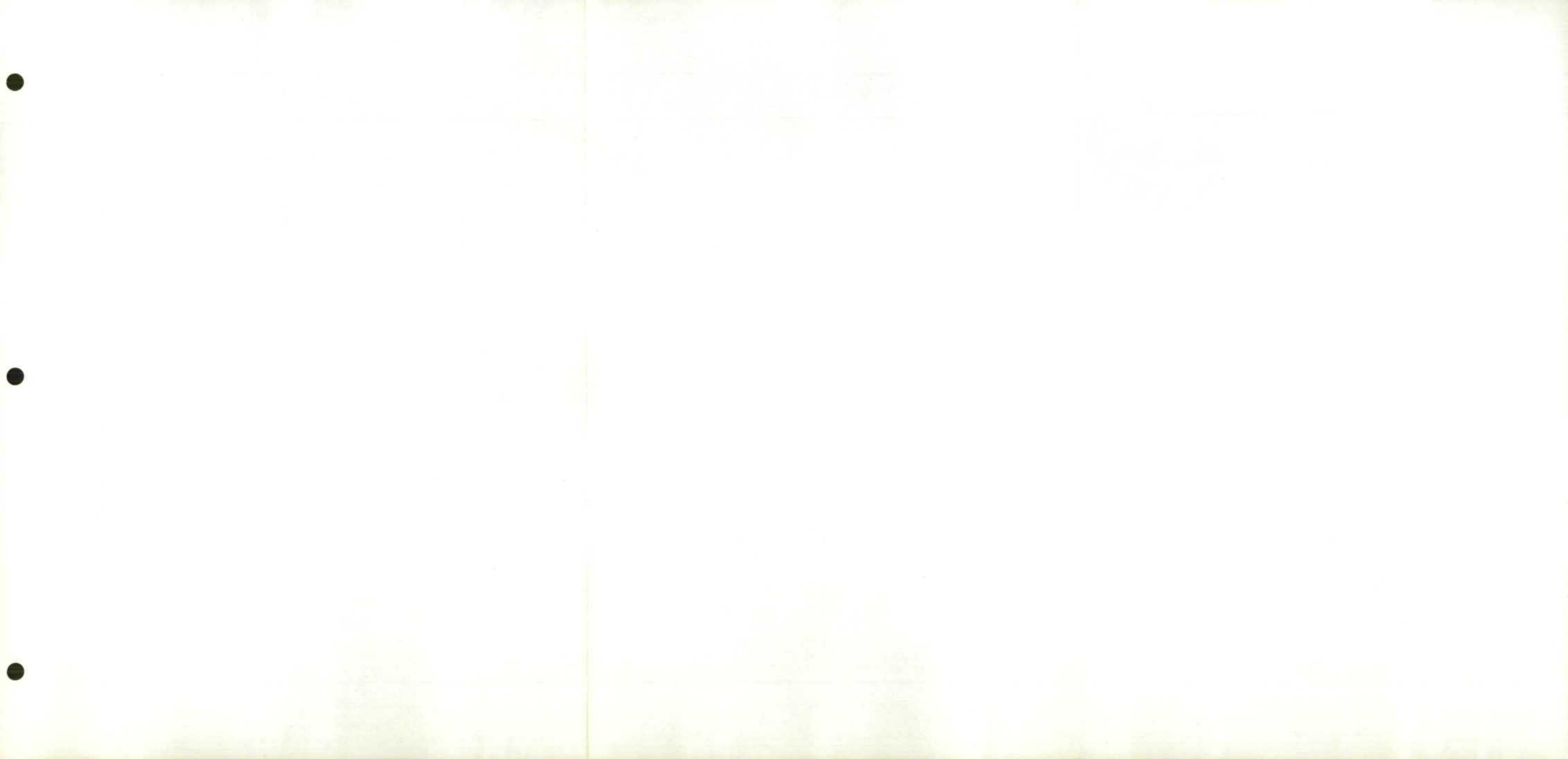


MOVEMENTS OF OTHER GRAIN ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

**Legend**  
L=Tonnage of Cargo Loaded  
U=Tonnage of Cargo Unloaded



Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	1,370,138	Western Europe.....	6
Eastern Europe.....	12,000		
Middle East.....	83,043		
Other Africa.....	13,776		
Other Asia.....	4,486		
South America.....	7,700		
Central America and Antilles.....	6,301		

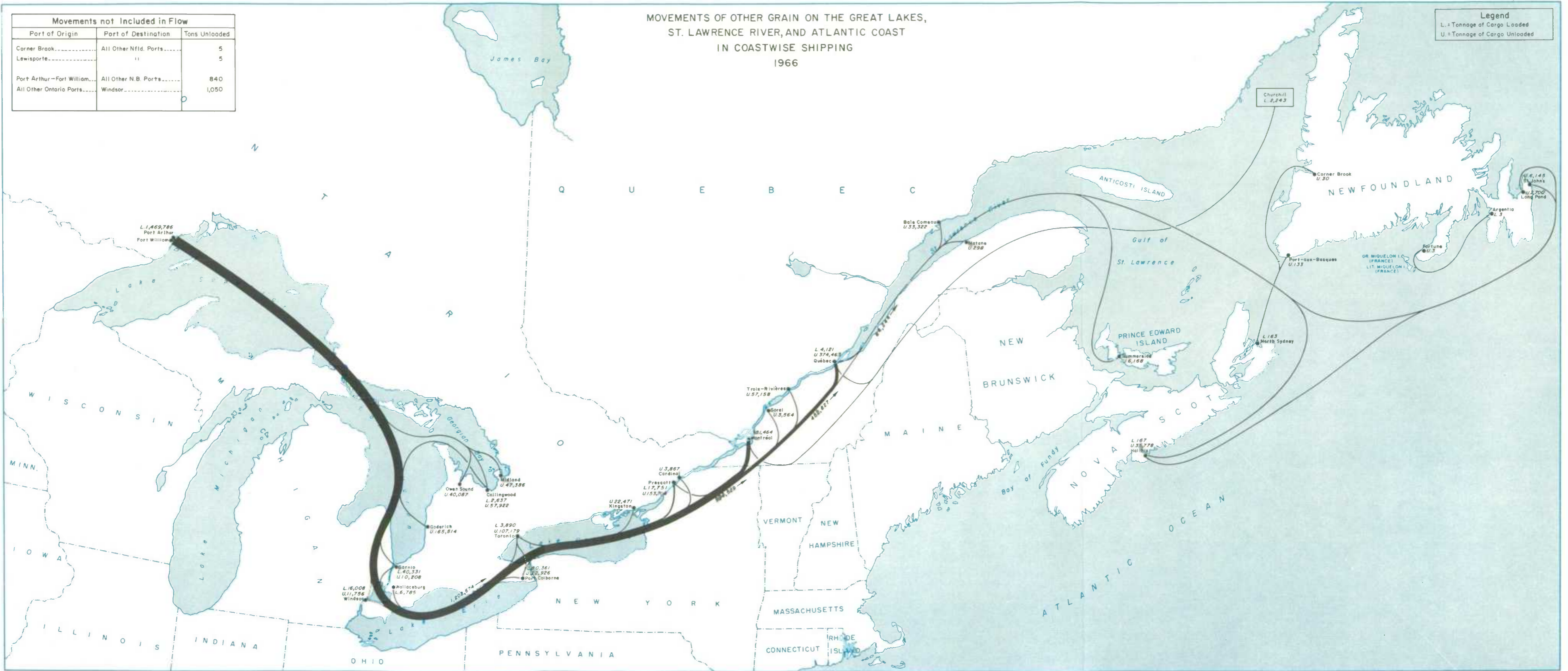




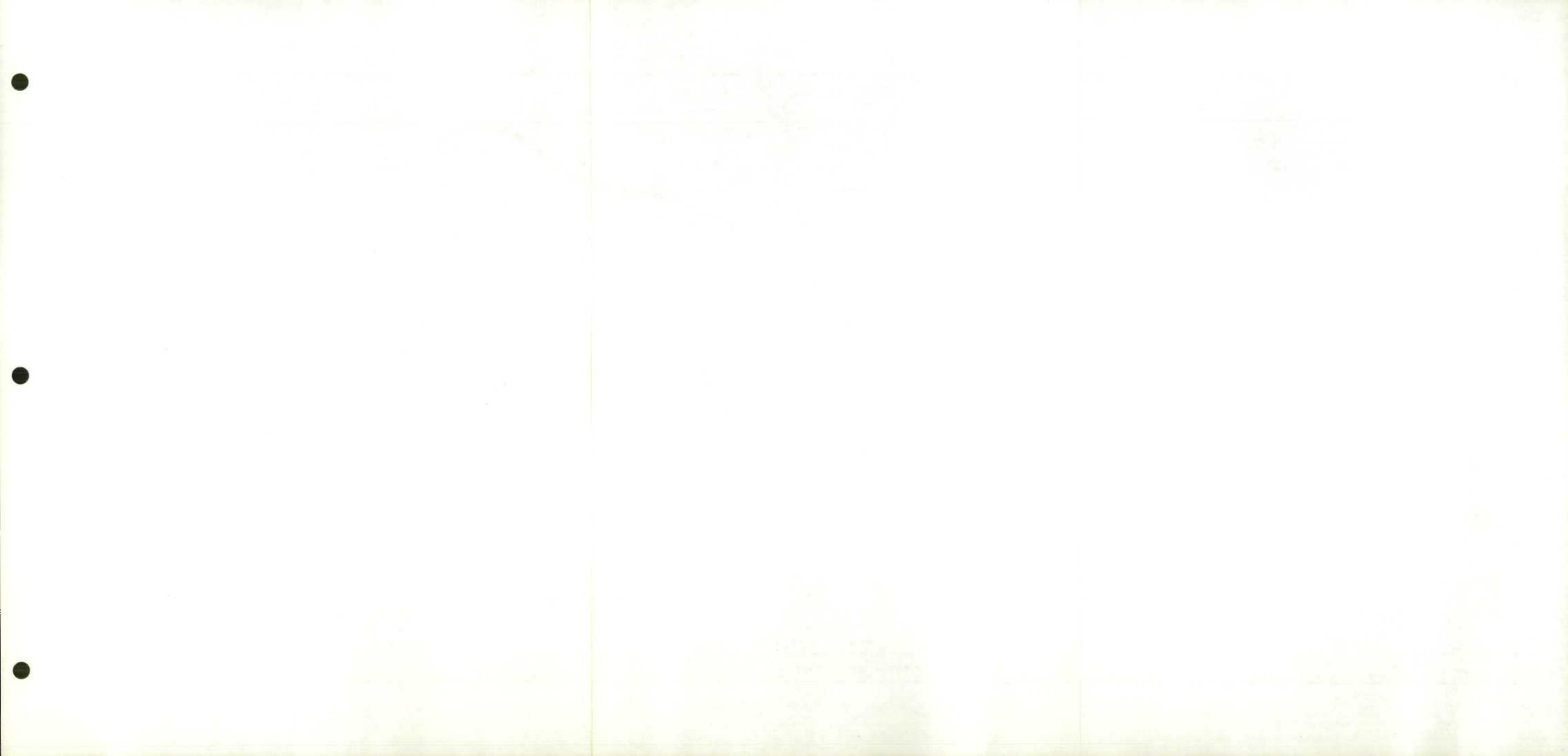
Movements not Included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
Corner Brook.....	All Other Nfld. Ports.....	5
Lewisporte.....	"	5
Port Arthur-Fort William.....	All Other N.B. Ports.....	840
All Other Ontario Ports.....	Windsor.....	1,050

MOVEMENTS OF OTHER GRAIN ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1966

Legend  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



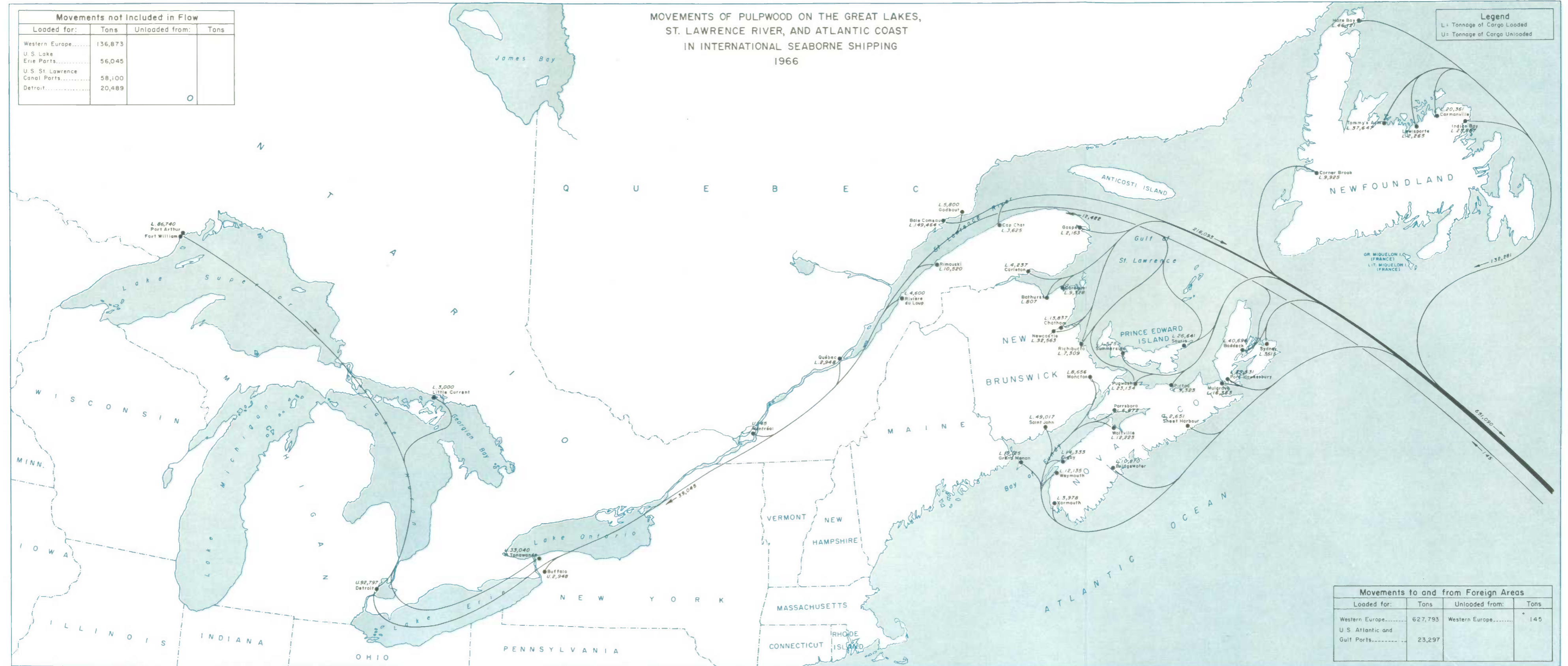




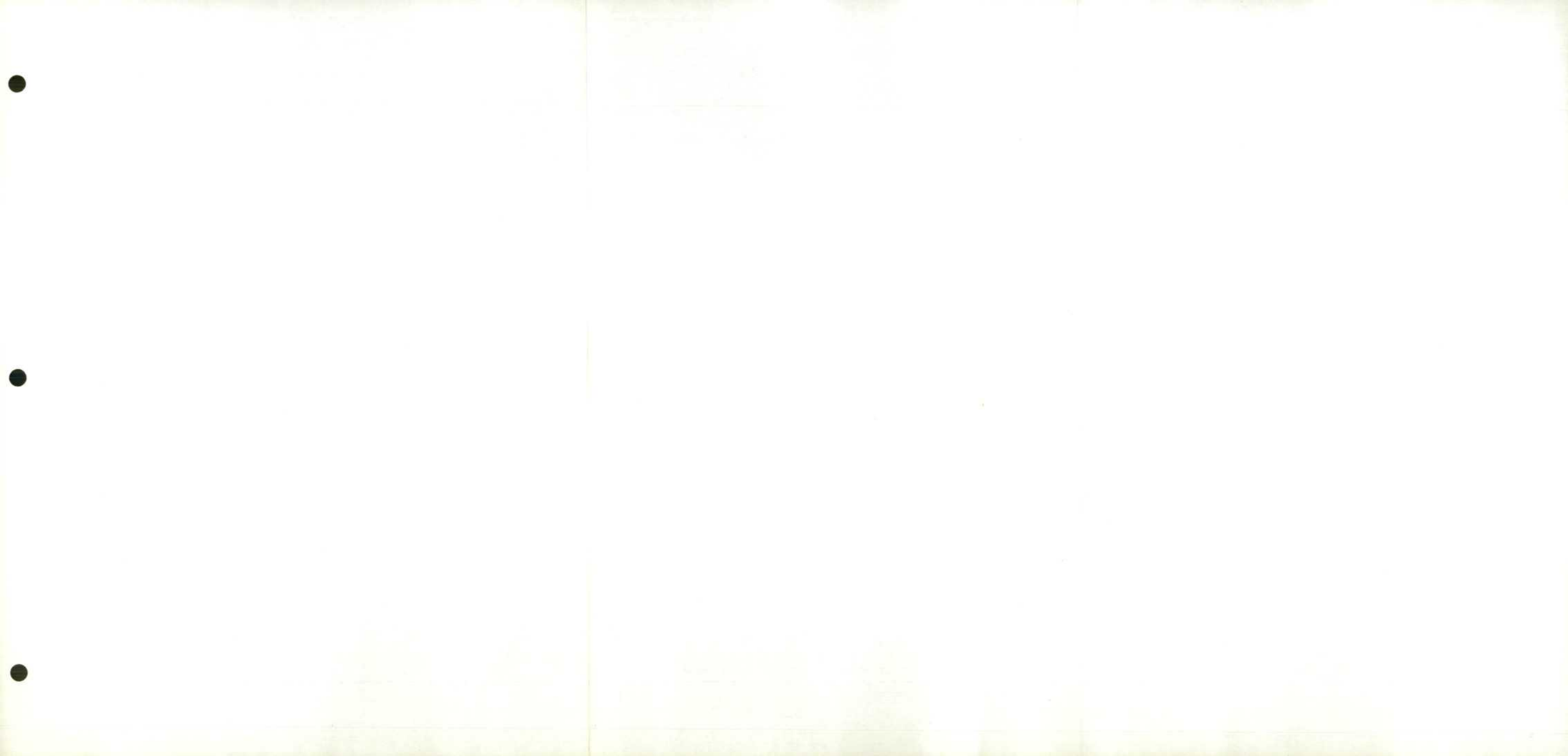
Movements not included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	136,873		
U.S. Lake Erie Ports.....	56,045		
U.S. St. Lawrence Canal Ports.....	58,100		
Detroit.....	20,489		

MOVEMENTS OF PULPWOOD ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

Legend	
L=	Tonnage of Cargo Loaded
U=	Tonnage of Cargo Unloaded



Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	627,793	Western Europe.....	145
U.S. Atlantic and Gulf Ports.....	23,297		

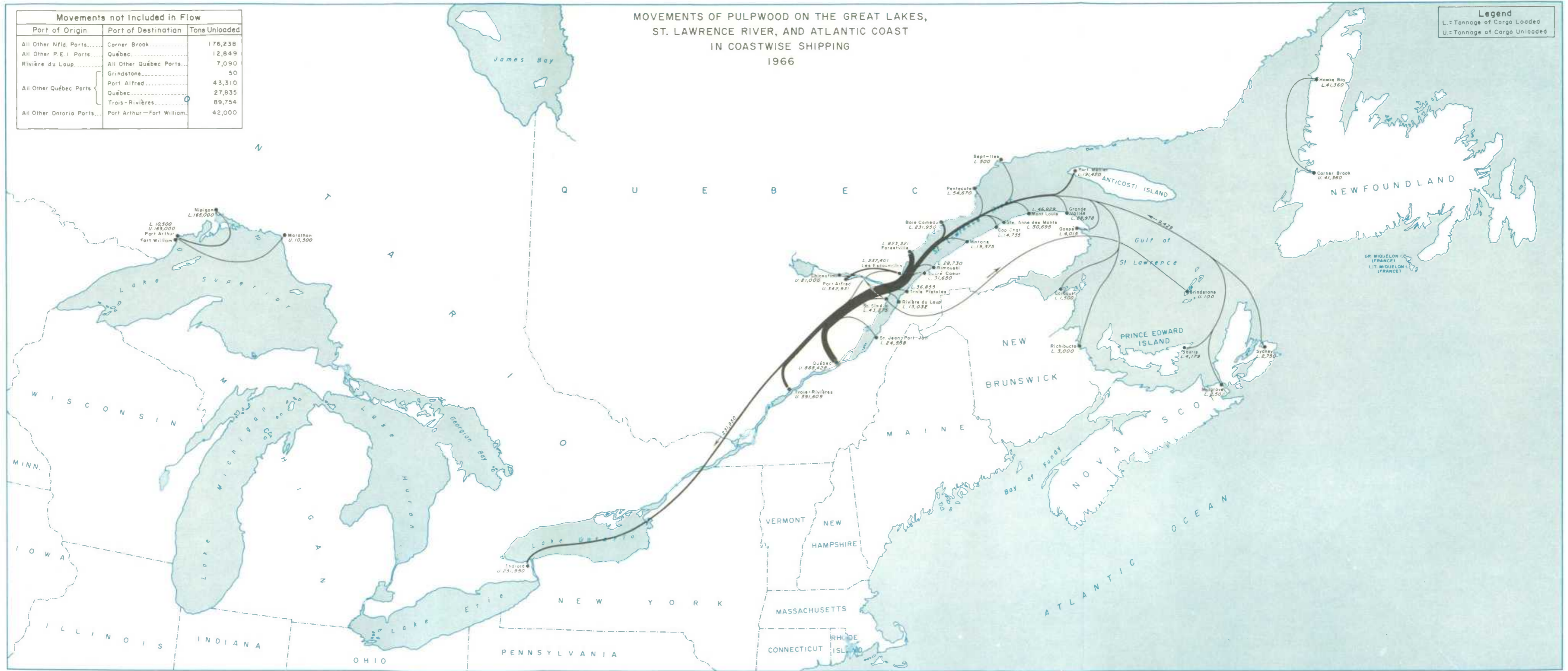


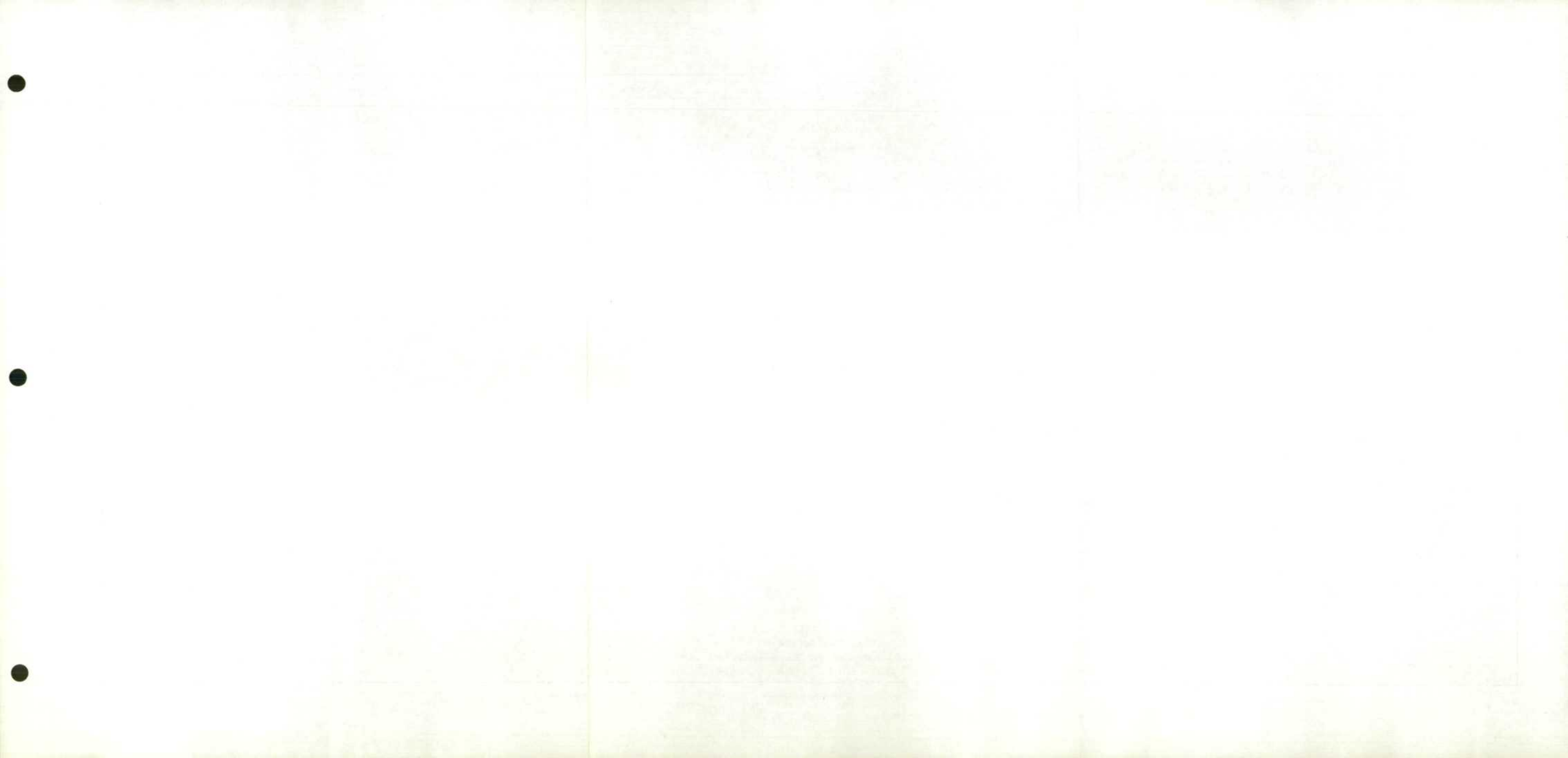


Movements not Included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
All Other Nfld. Ports	Corner Brook	176,238
All Other P.E.I. Ports	Québec	12,849
Rivière du Loup	All Other Québec Ports	7,090
	Grindstone	50
All Other Québec Ports	Port Alfred	43,310
	Québec	27,835
	Trois-Rivières	89,754
All Other Ontario Ports	Port Arthur—Fort William	42,000

MOVEMENTS OF PULPWOOD ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1966

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



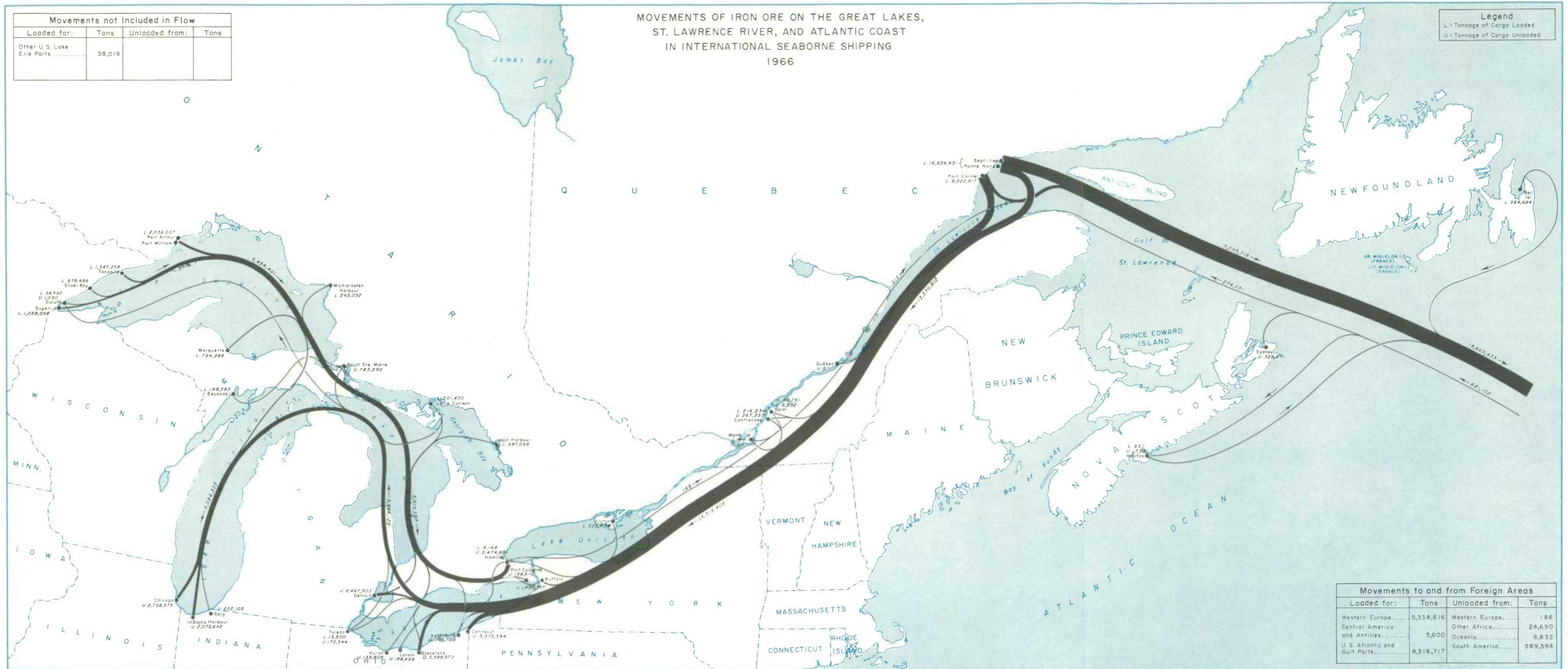




MOVEMENTS OF IRON ORE ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

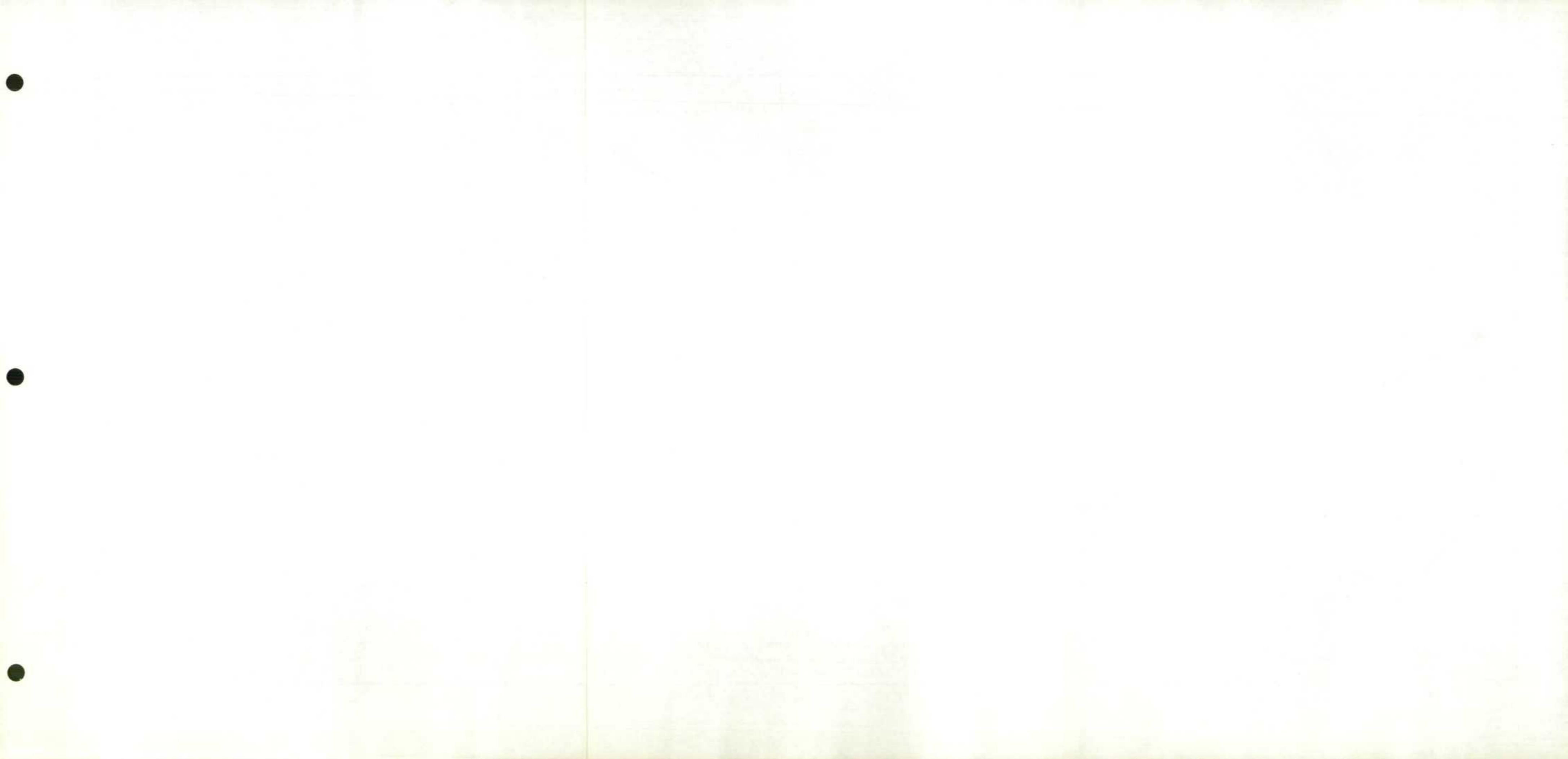
Movements not Included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
Other U.S. Lake Erie Ports.....	38,019		

Legend			
L:	Tonnage of Cargo Loaded		
U:	Tonnage of Cargo Unloaded		



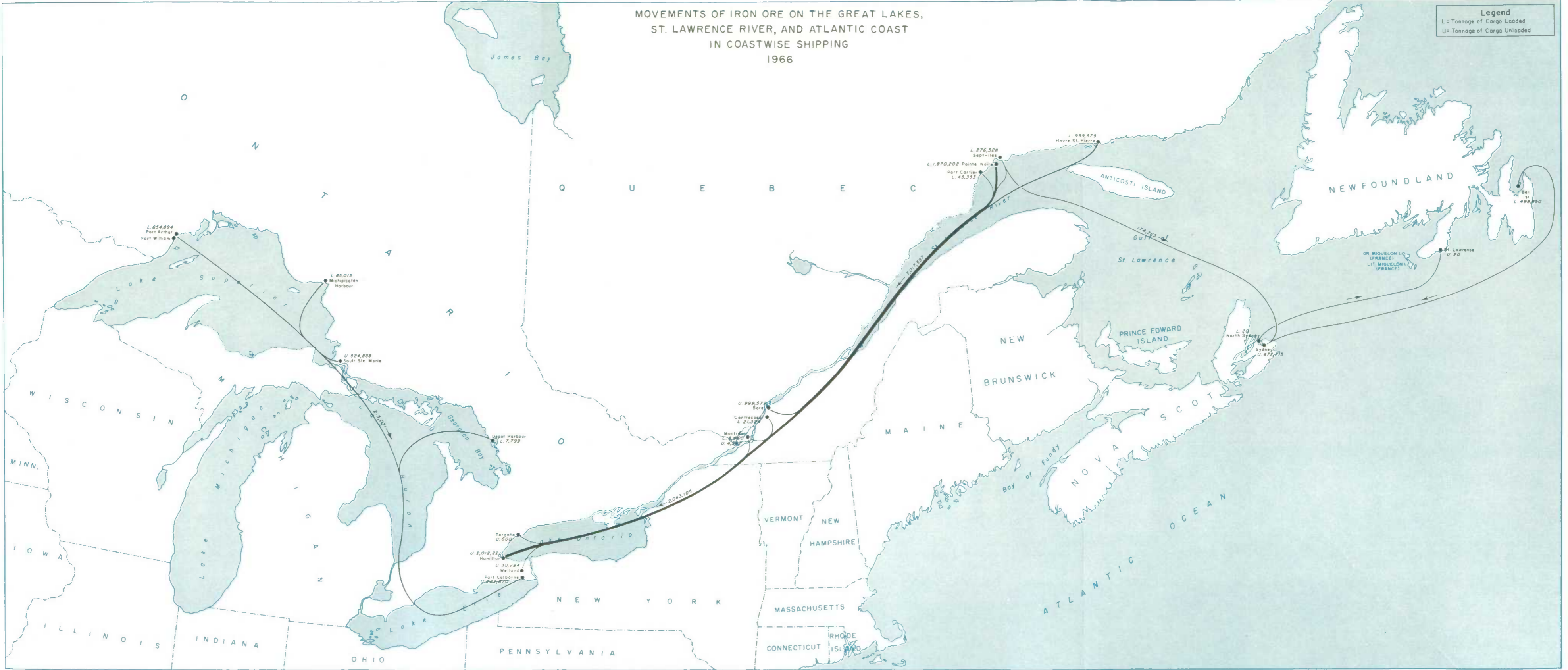
Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	5,338,616	Western Europe.....	186
Central America and Antilles.....	5,600	Other Africa.....	24,690
U.S. Atlantic and Gulf Ports.....	8,316,717	Oceania.....	6,832
		South America.....	589,394

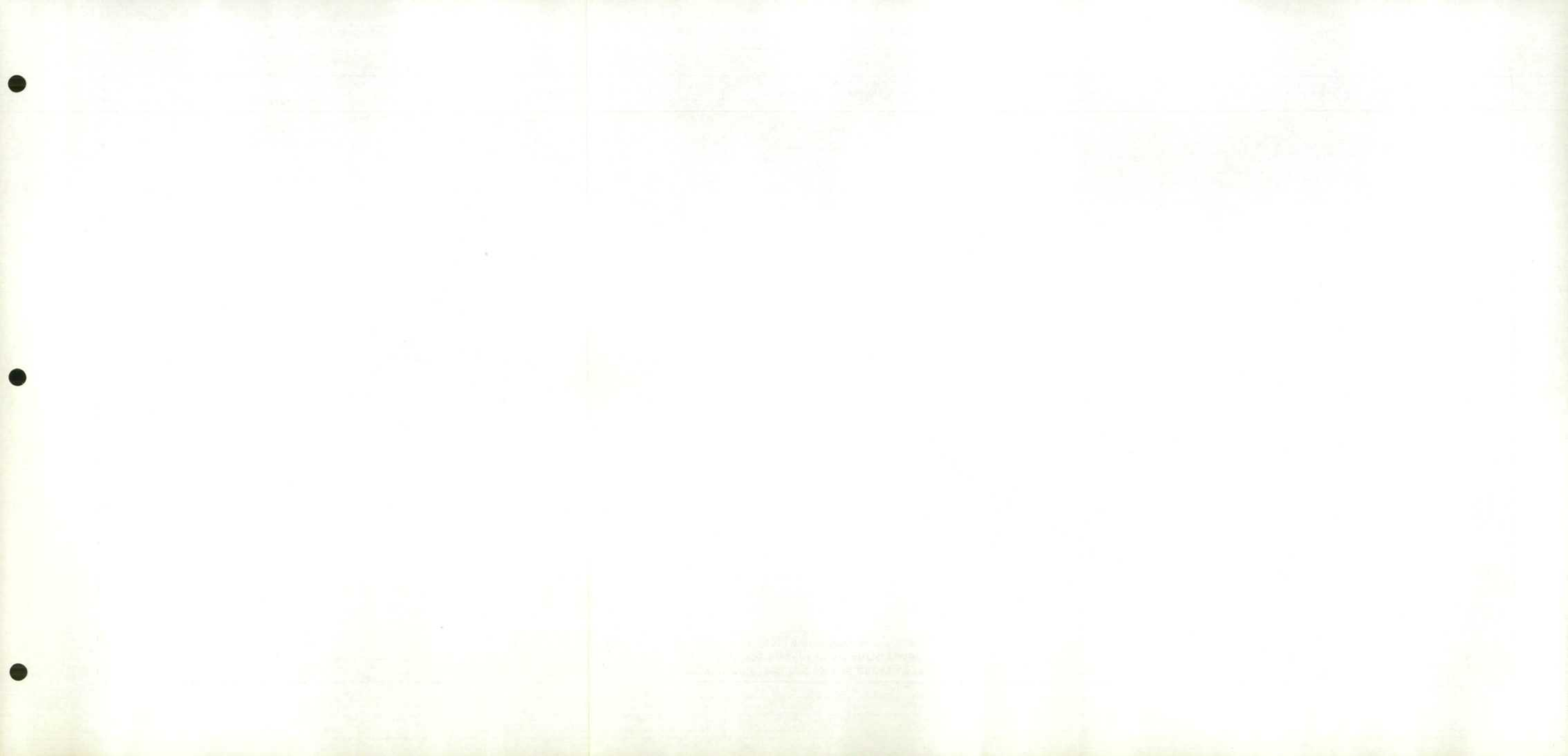




### MOVEMENTS OF IRON ORE ON THE GREAT LAKES, ST. LAWRENCE RIVER, AND ATLANTIC COAST IN COASTWISE SHIPPING 1966

**Legend**  
 L= Tonnage of Cargo Loaded  
 U= Tonnage of Cargo Unloaded



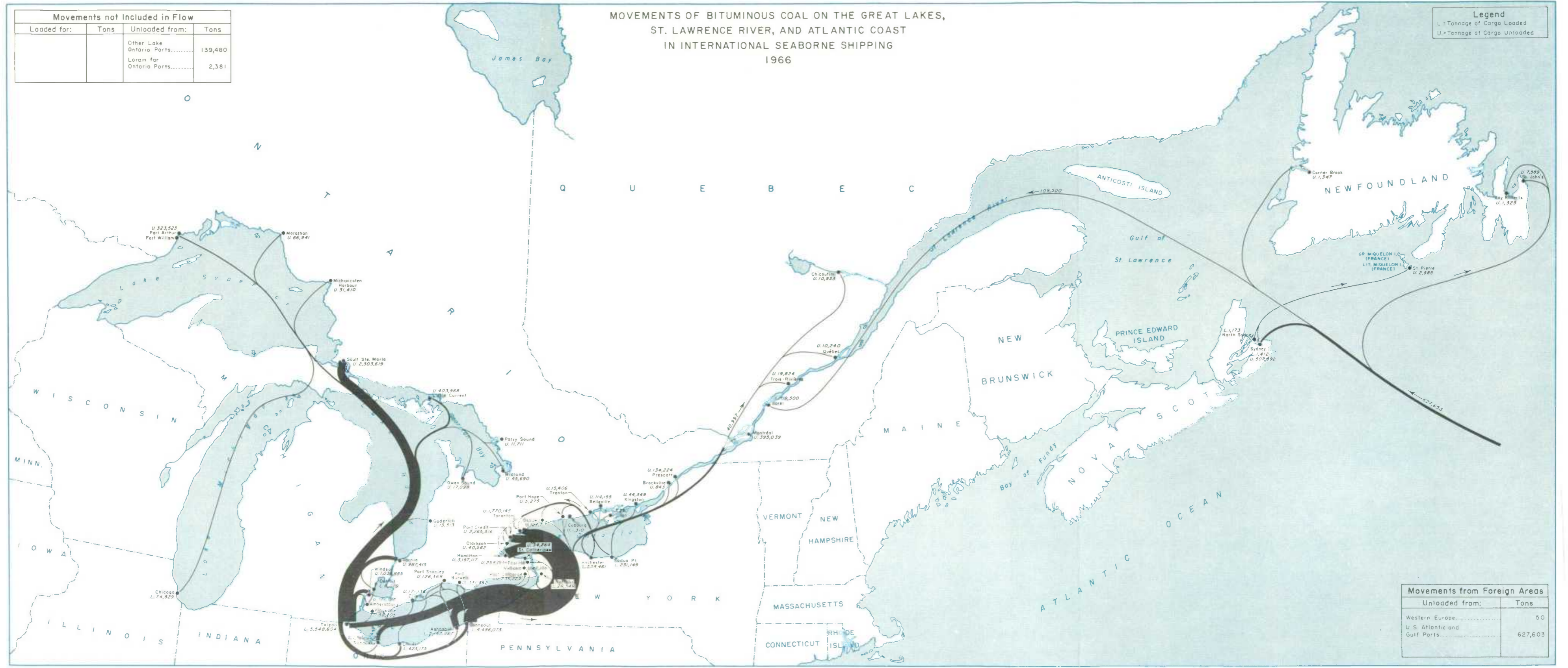




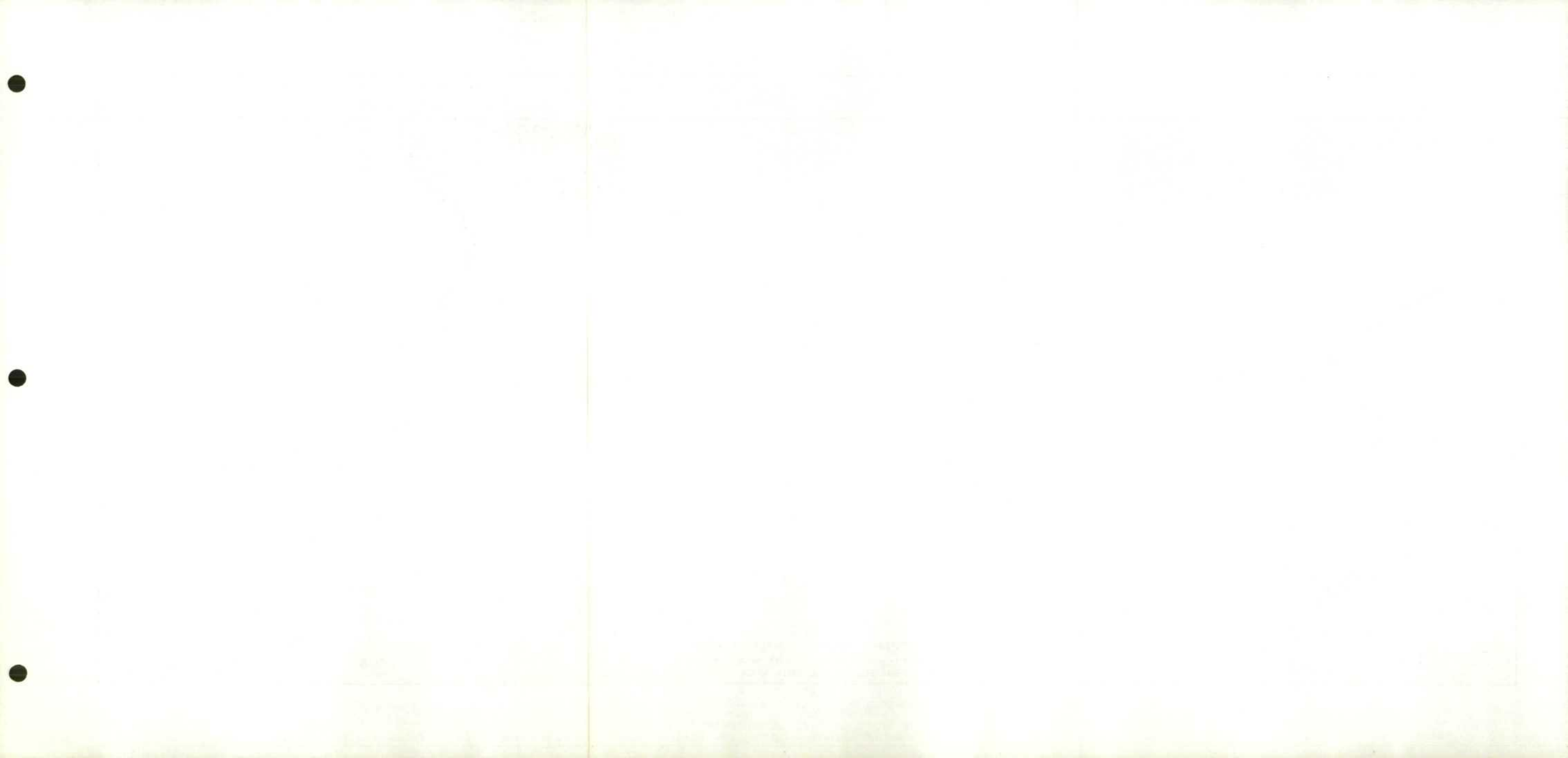
MOVEMENTS OF BITUMINOUS COAL ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

Movements not Included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
		Other Lake Ontario Ports.....	139,480
		Lorain for Ontario Ports.....	2,381

Legend	
L	Tonnage of Cargo Loaded
U	Tonnage of Cargo Unloaded



Movements from Foreign Areas	
Unloaded from:	Tons
Western Europe.....	50
U.S. Atlantic and Gulf Ports.....	627,603

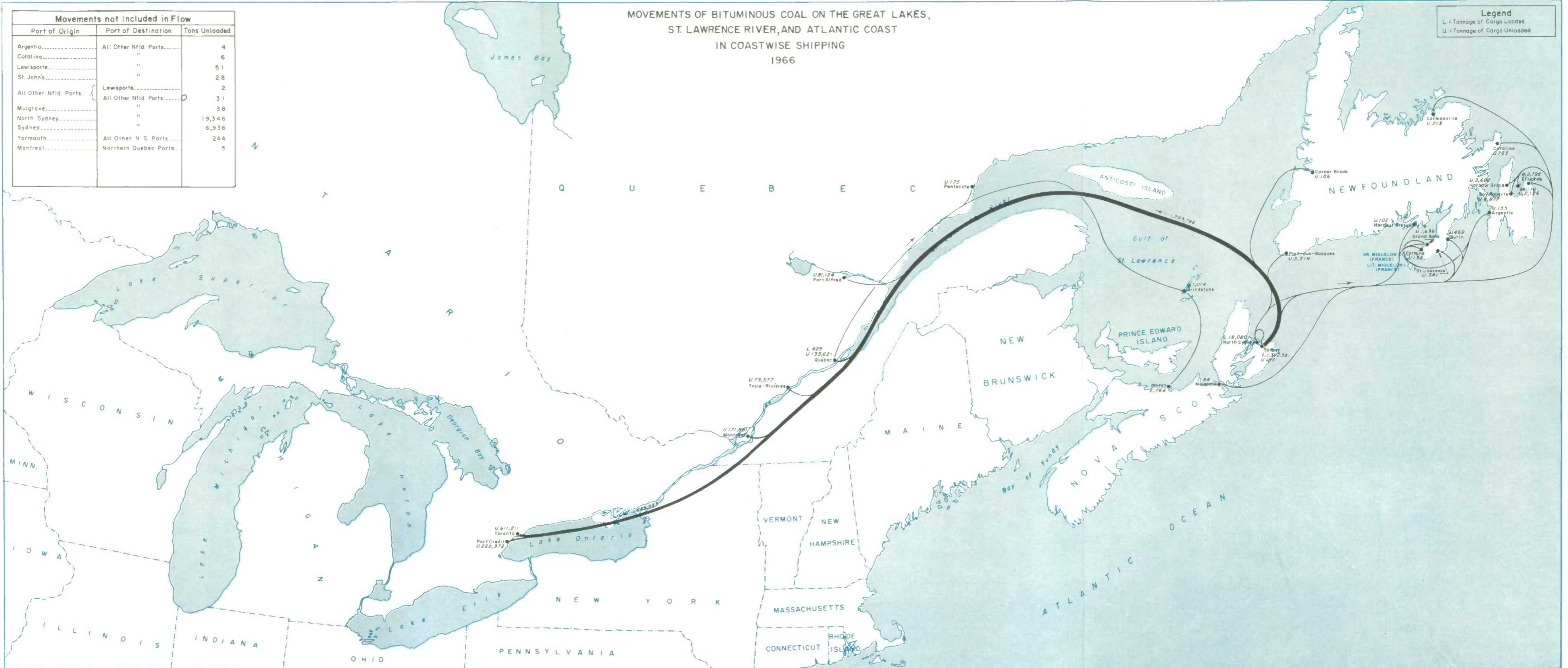




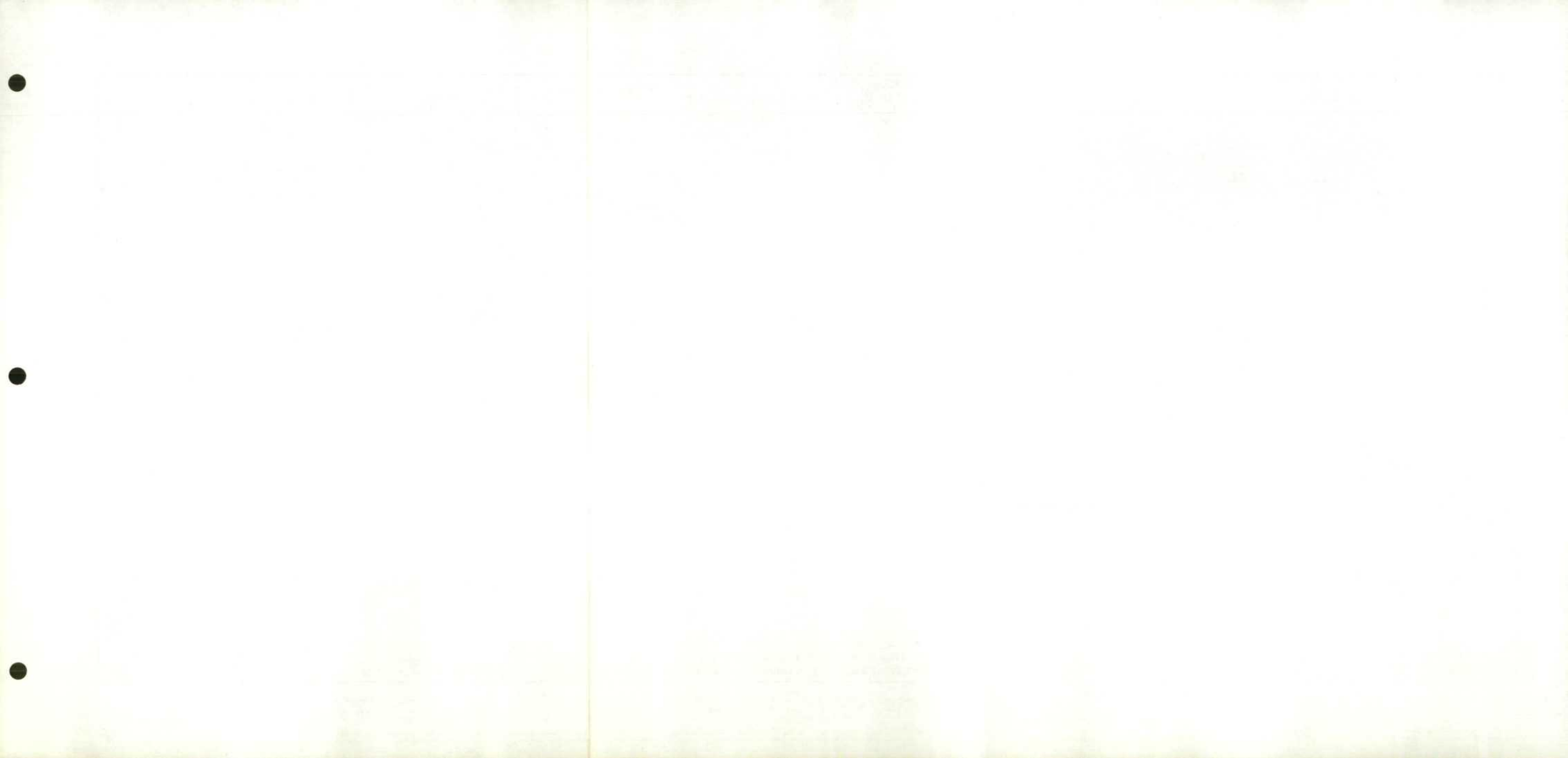
MOVEMENTS OF BITUMINOUS COAL ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1966

Movements not Included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
Argelia.....	All Other Nfld. Ports.....	4
Catalina.....	".....	6
Lewisporte.....	".....	51
St. John's.....	".....	28
All Other Nfld. Ports.....	Lewisporte.....	2
Muirgrave.....	All Other Nfld. Ports.....	31
North Sydney.....	".....	38
Sydney.....	".....	19,346
Yarmouth.....	All Other N. S. Ports.....	6,936
Montreal.....	Northern Quebec Ports.....	244
		5

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded





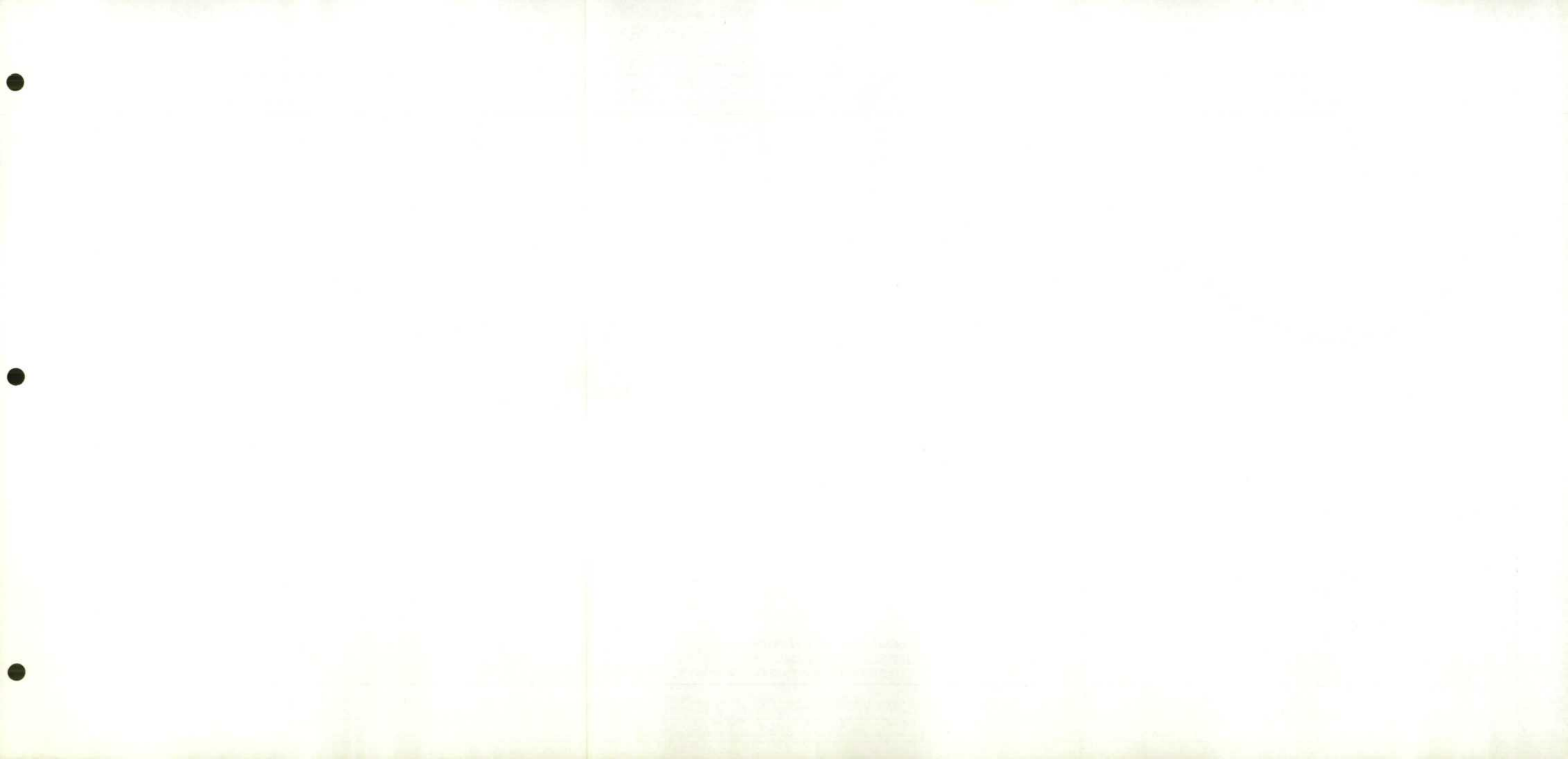


MOVEMENTS OF GYPSUM ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



Movements to Foreign Areas	
Loaded for:	Tons
U.S. Atlantic and Gulf Ports	4,707,791

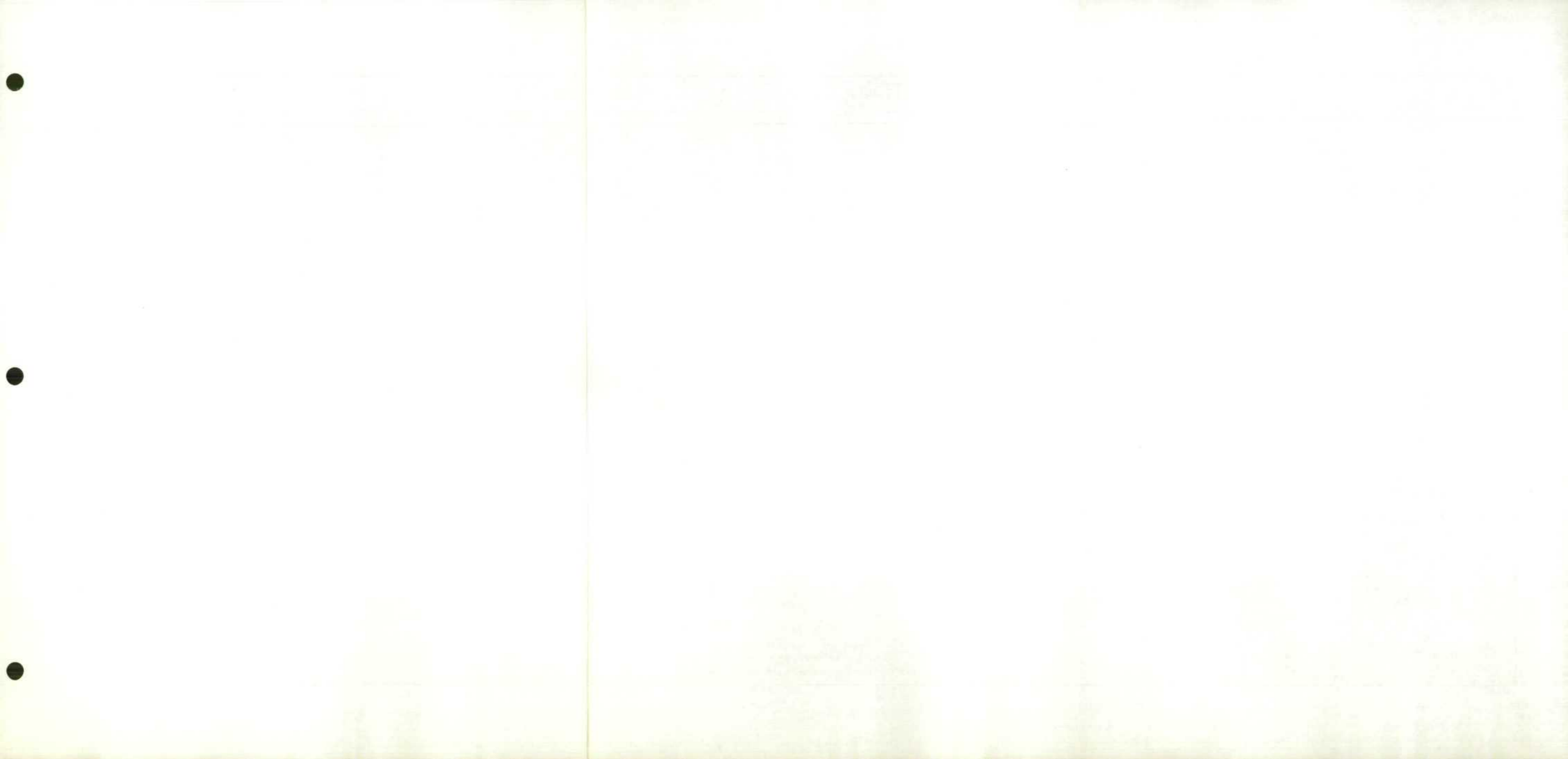




MOVEMENTS OF GYPSUM ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1966

Legend  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



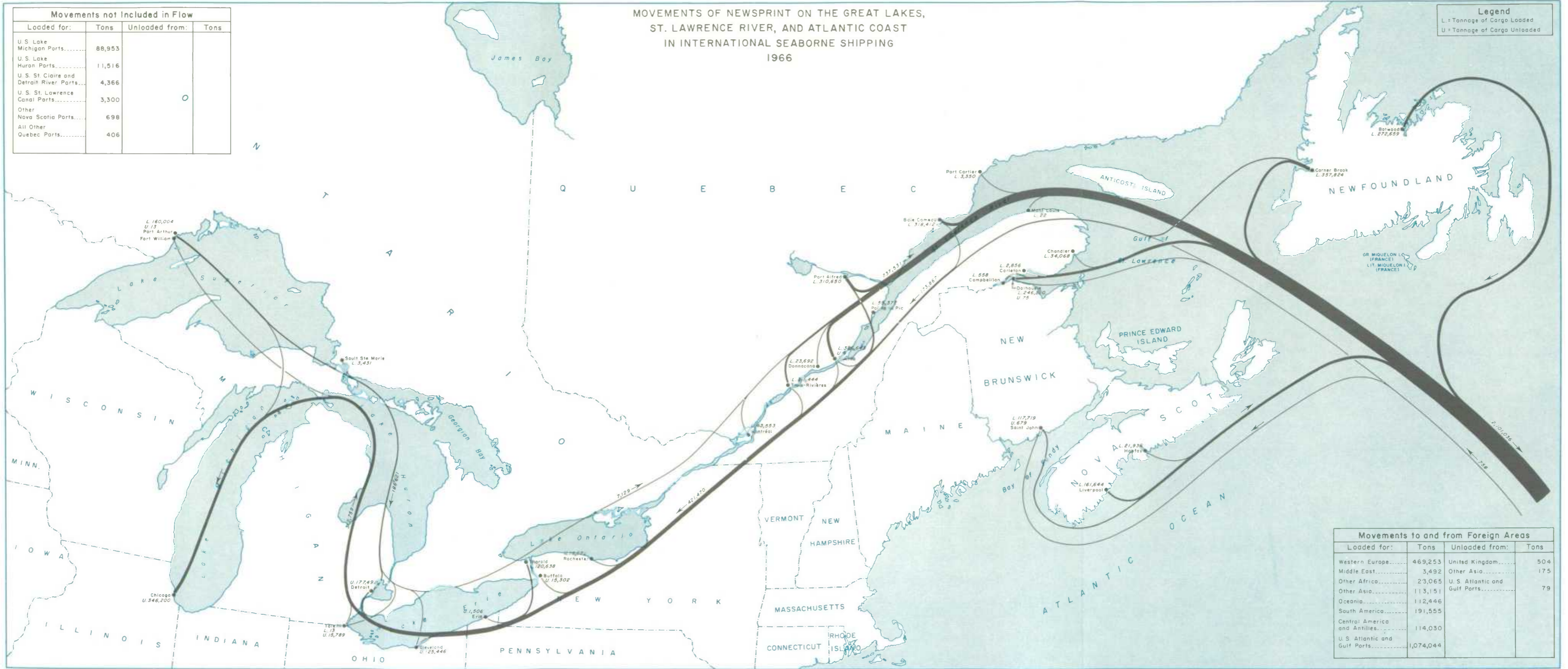




MOVEMENTS OF NEWSPRINT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

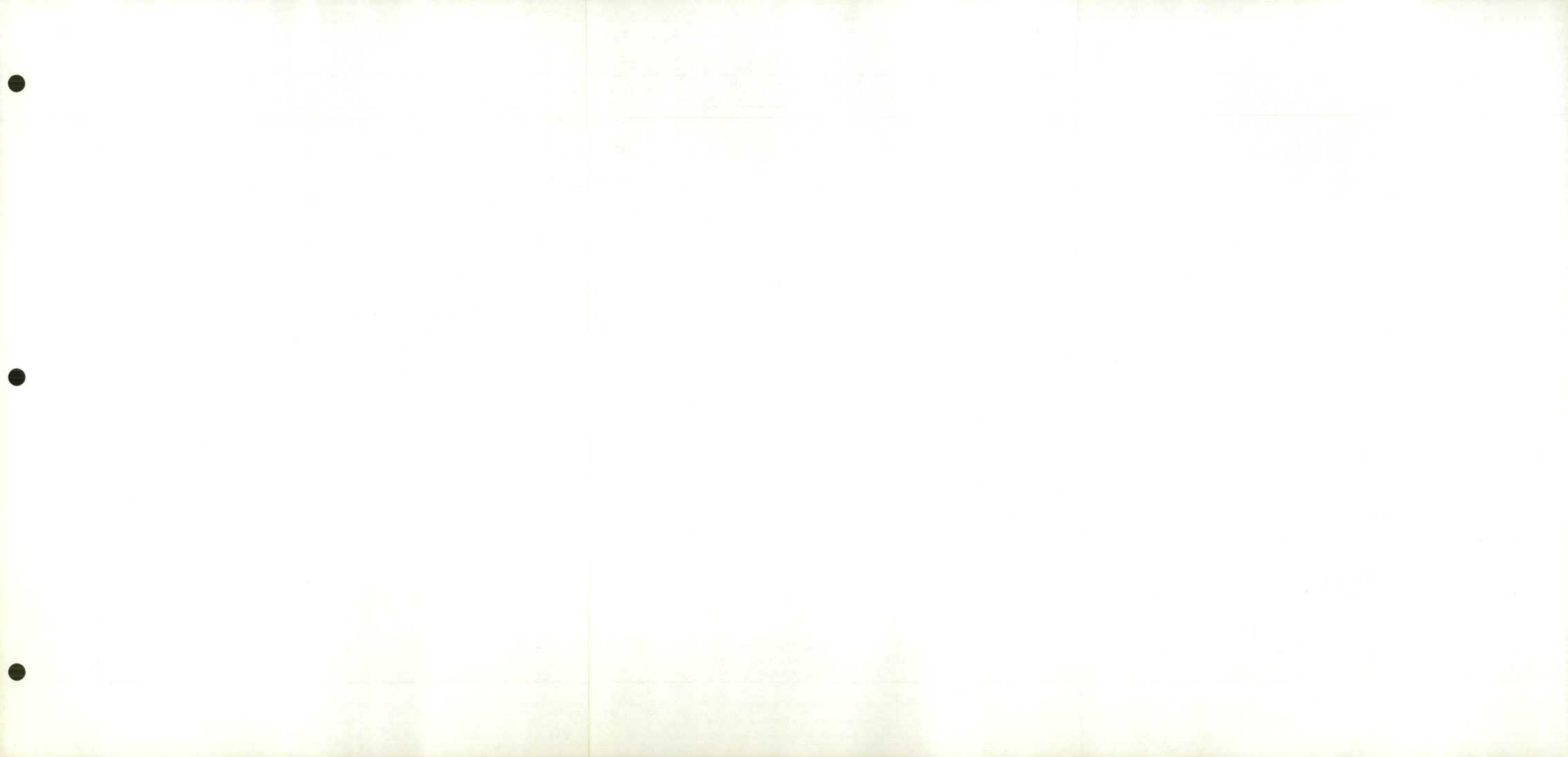
Movements not included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
U.S. Lake Michigan Ports.....	88,953		
U.S. Lake Huron Ports.....	11,516		
U.S. St. Claire and Detroit River Ports.....	4,366		
U.S. St. Lawrence Canal Ports.....	3,300		0
Other Nova Scotia Ports.....	698		
All Other Quebec Ports.....	406		

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	469,253	United Kingdom.....	504
Middle East.....	3,492	Other Asia.....	175
Other Africa.....	23,065	U.S. Atlantic and Gulf Ports.....	79
Other Asia.....	113,151		
Oceania.....	112,446		
South America.....	191,555		
Central America and Antilles.....	114,030		
U.S. Atlantic and Gulf Ports.....	1,074,044		



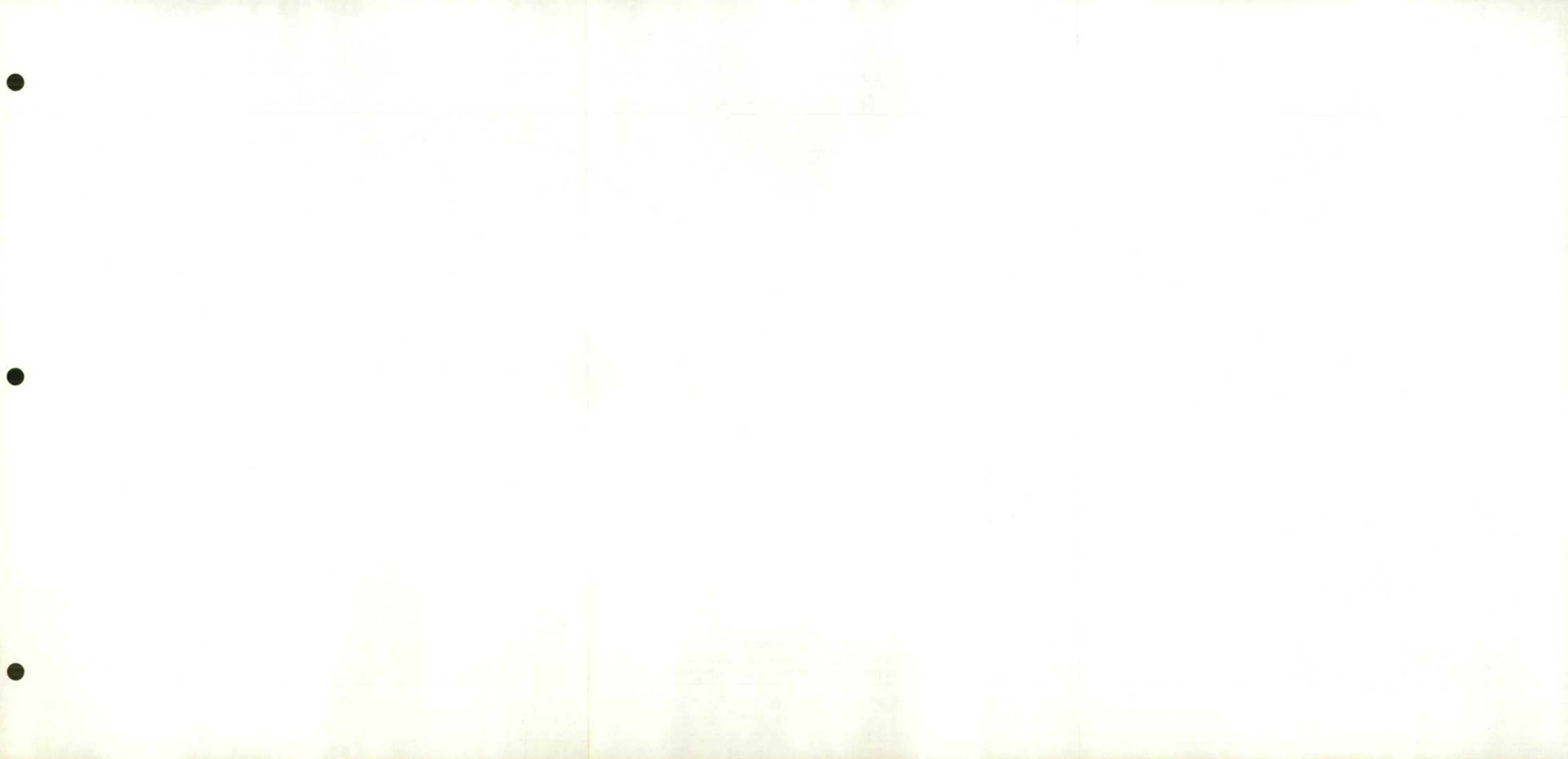


Movements not included in Flow		
Port of Origin	Port of Destination	Tons Unloaded
Sault Ste. Marie.....	All Other Ontario Ports...	2
All Other Ontario Ports.....	Little Current.....	3
Total.....		5

MOVEMENTS OF NEWSPRINT ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN COASTWISE SHIPPING  
1966

Legend  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded







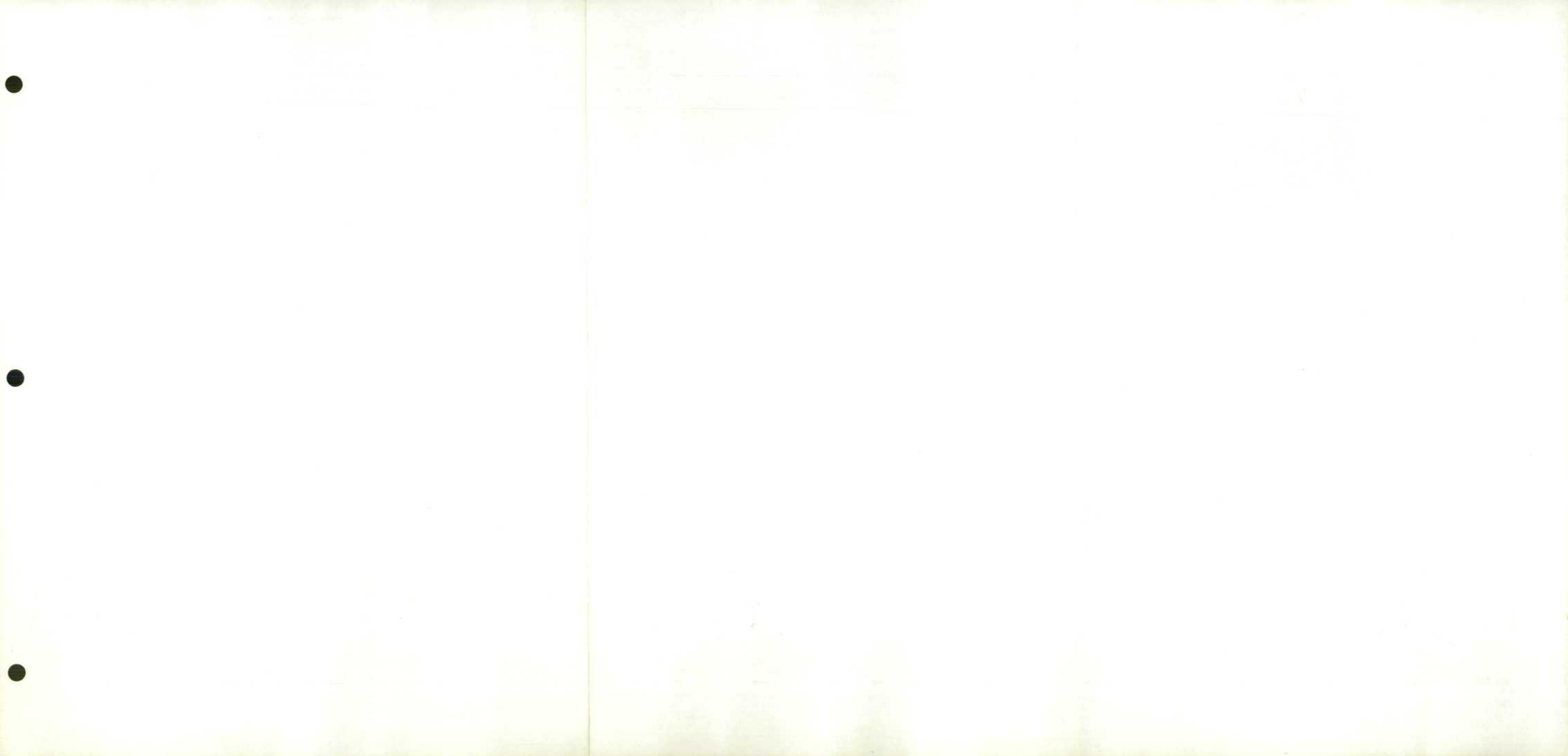
MOVEMENTS OF FUEL OIL ON THE GREAT LAKES,  
ST. LAWRENCE RIVER, AND ATLANTIC COAST  
IN INTERNATIONAL SEABORNE SHIPPING  
1966

Movements not Included in Flow			
Loaded for:	Tons	Unloaded from:	Tons
U. S. Lake Ontario Ports.....	3,461	Central America and Antilles.....	15,763
U. S. Detroit River Ports.....	4,824	South America.....	57,402
U. S. Lake Erie Ports.....	4,411	U. S. Lake Michigan Ports.....	4,827
U. S. St. Lawrence Canal Ports.....	35,189		0
St. Pierre and Miquelon.....	404		
United Kingdom.....	23		

**Legend**  
L = Tonnage of Cargo Loaded  
U = Tonnage of Cargo Unloaded



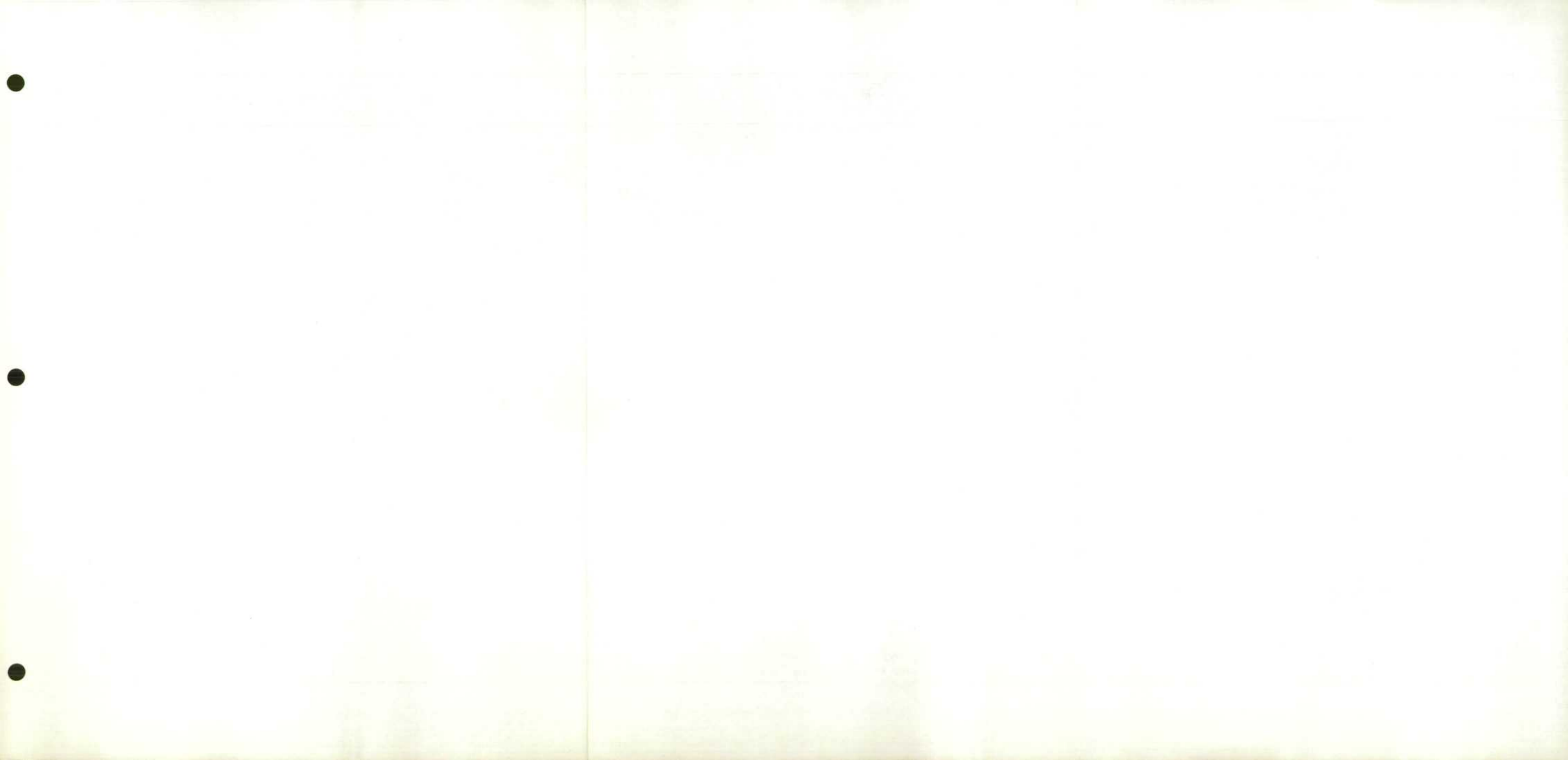
Movements to and from Foreign Areas			
Loaded for:	Tons	Unloaded from:	Tons
Western Europe.....	23,018	Western Europe.....	364,175
U. S. Atlantic and Gulf Ports.....	19,000	Middle East.....	74,417
		South America.....	3,240,605
		Central America and Antilles.....	3,121,374
		U. S. Atlantic and Gulf Ports.....	37,892











## APPENDIX A

### List of Countries and Geographic Areas

#### Western Europe

##### Commonwealth Countries

United Kingdom  
Gibraltar  
Malta and Gozo

##### Other Countries

Austria  
Belgium and Luxembourg  
Denmark  
Finland  
France - Atlantic  
France - Mediterranean  
Germany, Federal Republic  
Greece  
Iceland  
Ireland  
Italy  
Netherlands  
Norway  
Portugal  
Spain  
Sweden  
Switzerland

#### Eastern Europe

Albania  
Bulgaria  
Czechoslovakia  
Germany,  
Hungary  
Poland  
Roumania  
U.S.S.R. - Europe  
Yugoslavia

#### Middle East

##### Commonwealth

Aden  
Bahrein  
Cyprus  
Qatar  
British Middle East, n.e.s.

##### Other Countries

Ethiopia  
Iran  
Iraq  
Israel  
Jordan  
Kuwait  
Lebanon  
Libya  
Saudi Arabia  
Somalia  
Sudan

#### Middle East - Concluded

##### Other Countries - Concluded

Turkey  
Egypt  
Syria

#### Other Africa

##### Commonwealth and Preferential Countries

Gambia  
Ghana  
Kenya  
Malawi  
Mauritius and Dependencies  
Nigeria  
Rhodesia  
Sierra Leone  
Tanzania  
Uganda  
Republic of South Africa  
Zambia  
British Africa, n.e.s.

##### Other Countries

Algeria  
Angola  
Camerouns Republic  
Congo (Leopoldville)  
French Africa, n.e.s.  
Gabon Republic  
Guinea  
Ivory Coast Republic  
Liberia  
Malagasy Republic  
Morocco  
Mozambique  
Portuguese Africa, n.e.s.  
Spanish Africa  
Togo  
Tunisia

#### Other Asia

##### Commonwealth Countries

Ceylon  
Hong Kong  
India  
Malaysia  
Pakistan  
Singapore

##### Other Countries

Afghanistan  
Burma  
Cambodia and Laos  
China, Communist  
Indonesia  
Japan  
North Korea<sup>1</sup>  
South Korea<sup>1</sup>  
Philippines

<sup>1</sup> Previously Korea.

List of Countries and Geographic Areas - Concluded

**Other Asia - Concluded**

Other Countries - Concluded

Portuguese Asia  
Taiwan  
Thailand  
U.S.S.R. - Pacific  
North Viet-Nam<sup>2</sup>  
South Viet-Nam<sup>2</sup>

**Oceania**

Commonwealth Countries

Australia  
Fiji  
New Zealand  
British Oceania, n.e.s.

Other Countries

French Oceania  
United States Oceania

**South America**

Commonwealth Countries

British Guiana  
Falkland Islands

Other Countries

Argentina  
Bolivia  
Brazil  
Chile  
Colombia  
Ecuador  
French Guiana  
Paraguay  
Peru  
Surinam  
Uruguay  
Venezuela

**Central America and Antilles**

Commonwealth Countries

Bahamas  
Bermuda  
British Honduras  
Barbados  
Jamaica  
Leeward and Windward Islands  
Trinidad and Tobago

Other Countries

Costa Rica  
Cuba  
Dominican Republic  
El Salvador  
French West Indies  
Guatemala  
Haiti (Republic)  
Honduras

**Central America and Antilles - Concluded**

Other Countries - Concluded

Mexico  
Netherlands Antilles  
Nicaragua  
Panama  
Puerto Rico  
United States Virgin Islands

**North America**

Canada  
Greenland  
St. Pierre and Miquelon  
U.S. Alaska  
U.S. Hawaii

U.S. Pacific Ports

Bellingham  
Los Angeles  
San Francisco  
Seattle  
Other U.S. Pacific Mainland Ports

U.S. Great Lakes Ports

Duluth  
Marquette  
Silver Bay<sup>3</sup>  
Superior  
Taconite<sup>3</sup>  
Other U.S. Lake Superior Ports  
U.S. Lake Huron Ports  
Chicago  
Indiana Harbour  
Other U.S. Lake Michigan Ports  
Detroit  
Other U.S. St. Clair River  
Lake St. Clair and Detroit River Ports  
Ashtabula  
Buffalo  
Cleveland  
Conneaut  
Erie  
Lorain  
Sandusky  
Toledo  
Other U.S. Lake Erie Ports  
Oswego  
Rochester  
Other U.S. Lake Ontario Ports  
U.S. St. Lawrence Canal Ports

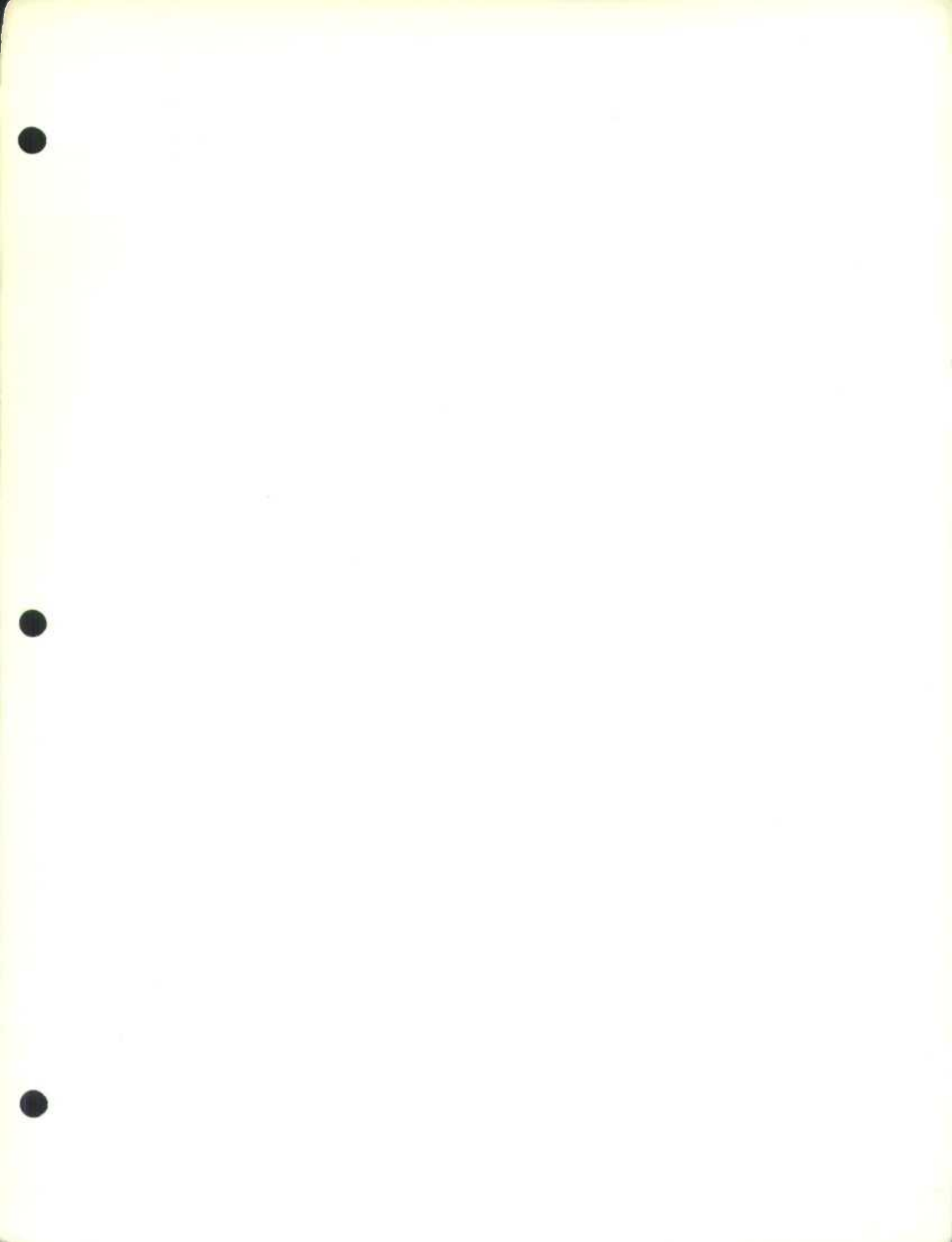
U.S. Atlantic and Gulf Ports

Baltimore  
Boston  
Galveston  
Hudson River Canal Ports  
Newport News  
New Orleans  
New York  
Philadelphia  
Other U.S. East Coast and Gulf of Mexico Ports

<sup>2</sup> Previously Viet-Nam.

<sup>3</sup> Previously included in Other Lake Superior Ports.





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