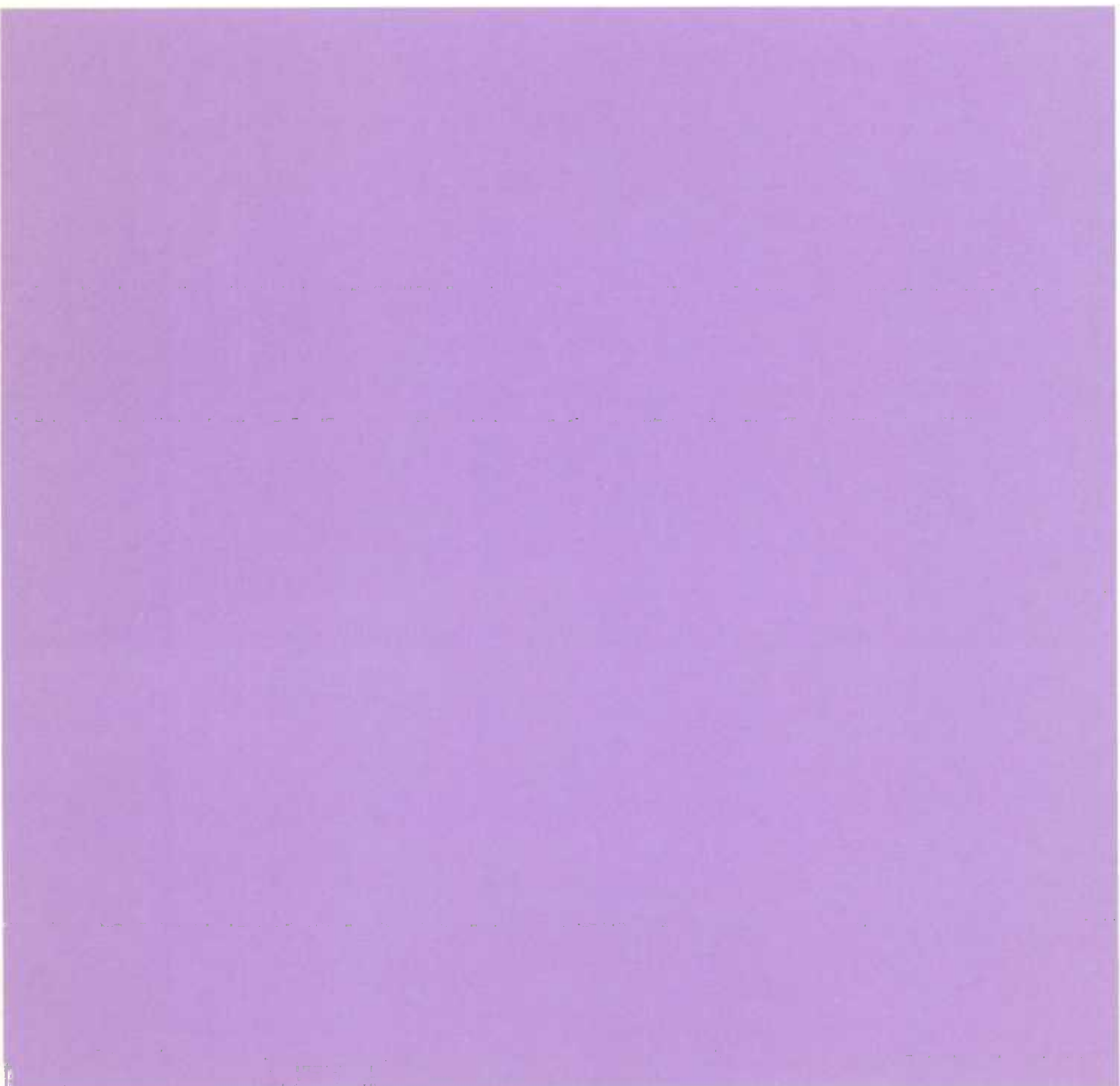


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# Water transportation

1970





STATISTICS CANADA  
Transportation and Public Utilities Division  
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## WATER TRANSPORTATION

1970

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## TABLE OF CONTENTS

	Page
Introduction .....	5
Table	
1. Self-operated Owned Vessels, at End of Year, Class I and Class II, by Division .....	8
2. Owned Vessels Chartered to Others, at End of Year, Class I and Class II, by Division .....	8
3. Vessels Chartered from Canadian Owners, at End of Year, Class I and Class II, by Division .....	9
4. Vessels Chartered from Non-Canadian Owners, at End of Year, Class I and Class II, by Division .....	9
5. Number of Owned Vessels Inactive during Entire Year, Class I and Class II, by Division .....	10
6. Number of Employees, and Salaries and Wages of Employees, Class I and Class II, by Division .....	11
7. Revenue and Expense, Class I and Class II, by Division .....	12
8. Quantity and Cost of Fuel and Lubricating Oils Consumed, Class I and Class II, by Division .....	14
9. Property, Class I and Class II .....	14
10. Property, at End of Year, Class I and Class II, by Division .....	15
11. Number of Deaths or Injuries Caused by Accidents, and Number and Value of Ships Destroyed or Lost at Sea, Class I and Class II, by Division .....	15
12. Self-operated Owned Vessels and Inactive Vessels, at End of Year, Class III, by Division .....	16
13. Number of Employees, and Salaries and Wages of Employees, Class III, by Division .....	16
14. Revenue and Expense, Class III, by Division .....	16
15. Quantity and Cost of Fuel and Lubricating Oils Consumed, Class III, by Division .....	17
16. Property, Class III .....	17
17. Property, at End of Year, Class III, by Division .....	17
18. Number of Deaths or Injuries Caused by Accidents, and Number and Value of Ships Destroyed or Lost at Sea, Class III, by Division .....	18
19. Owned Vessels Chartered Bareboat to Others, at End of Year .....	18
20. Property, Owned Vessels Chartered Bareboat to Others .....	18
21. Revenue and Expense, Owned Vessels Chartered Bareboat to Others .....	19
22. Self-operated Owned Vessels, at End of Year, Private Carriers, by Division.....	20
23. Owned Vessels Chartered to Others, at End of Year, Private Carriers, by Division .....	20
24. Vessels Chartered from Canadian Owners, at End of Year, Private Carriers, by Division .....	20
25. Vessels Chartered from Non-Canadian Owners, at End of Year, Private Carriers, by Division .....	20
26. Number of Owned Vessels Inactive during Entire Year, Private Carriers, by Division .....	21
27. Property, at End of Year, Private Carriers, by Division .....	21
28. Operating Expenses, Private Carriers, by Division .....	21
29. Number of Employees, and Salaries and Wages of Employees, Private Carriers, by Division .....	22
30. Quantity and Cost of Fuel and Lubricating Oils Consumed, Private Carriers, by Division .....	22
31. Number of Deaths or Injuries caused by Accidents, and Number and Value of Ships Destroyed at Sea, Private Carriers, by Division.....	22

### SYMBOLS

The following standard symbols are used in Statistics Canada publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- preliminary figures.
- \* revised figures.

## INTRODUCTION

This publication presents financial, employment and operating statistics on firms comprising the Canadian water transportation industry.

### Source

Statistics Canada has compiled a list of companies and individuals engaged in the water transportation industry to form the basis of the annual Water Transportation Survey. Establishments reporting fall under Industry No. 504 of the Standard Industrial Classification. The owners and operators of fishing vessels and pleasure craft are excluded in this survey.

### Treatment of Data

In this publication, establishments are divided into three major categories:

**For-hire carriers**, both common and contract, are Canadian incorporated companies or individuals engaged primarily in the business of transporting passengers or goods by water for compensation. These carriers may operate self-owned and/or chartered vessels, and are presented in Tables 1 through 18.

**Owners leasing vessels under bareboat charter**, are also Canadian domiciled and charter their vessels to others for an agreed period of time and with a transfer of the management responsibility over the ship, its manning, use and operating requirements. Statistics relating to this category form Tables 19, 20 and 21.

**Private carriers** are defined as an operating division of a firm or conversely a separately incorporated company which serves primarily to transport the goods of the parent firm as an integral part of total operations. Information detailing this category is contained in the final pages of this publication, commencing with Table 22.

The for-hire carriers are classed according to annual operating revenue as follows:

**Class I** – Operating revenues over \$500,000.

**Class II** – Operating revenues between \$50,000 and \$500,000.

**Class III** – Operating revenues under \$50,000.

Each of the establishments included in the for-hire and private categories is allocated to a geographical division in accordance with the region served by all or the majority of the vessels operated by the carrier:

The **Atlantic Division** is made up of those carriers whose principal region of operation is the waters adjacent to the Atlantic Coast and that portion of the St. Lawrence River which is east of "inland waters".

The **Inland Division** consists of all carriers whose principal region of operation is the "inland waters", which is defined by the Canadian Shipping Act as being all rivers, lakes and other navigable fresh waters within Canada, including the St. Lawrence River as far seaward as a straight line drawn:

- (a) from Cap des Rosiers to West Point, Anticosti Island, and
- (b) from Anticosti Island to the north shore of the St. Lawrence River along the meridian of longitude sixty-three degrees west.

The **Pacific Division** is made up of those carriers whose principal region of operation is the waters adjacent to the Pacific Coast.

The **Ocean-going Division** consists of all carriers who engage in world-wide trade.

### Summary of Establishments Reporting in 1970

For-hire Carriers = 245 (Class I = 70; Class II = 106; Class III = 69; Atlantic = 40; Inland = 119; Pacific = 76; Ocean = 10)  
Bareboat Charterers = 66  
Private Carriers = 43 (Atlantic = 4; Inland = 20; Pacific = 15; Ocean = 4)



## ANALYSIS OF DATA

### For-hire Carriers

In 1970, the operating revenues of the companies covered by this report rose substantially to \$469 million compared with \$402 million in 1969. Contributory factors were a shipping season free from major strikes and a recovered world market for grains. The reported net income before income taxes was \$31,671,438 compared with \$15,409,192 in 1969.

The operating revenues for Class I carriers accounted for most of the increase, in dollar terms up 16.6 per cent to \$445,880,566. Class II experienced an even larger percentage increase, up 26 per cent, to \$21,970,802. By Division, the improved level of activity manifested itself most in "Inland", followed by "Ocean-going". Subsidies to all for-hire carriers rose to \$35,147,083 in 1970 compared with \$29,315,802 in 1969.

At the end of the year, for-hire carriers had an original investment of \$708,558,054, and after depreciation, reported \$416,135,024 as the value for the vessels and other facilities contributing to their operations. Net income in terms of this value after depreciation was 7.6 per cent before income taxes, compared to 3.5 per cent in 1969. Additions to fleets was reported as \$33,120,497 compared with \$54,044,060 in 1969. However, a certain amount of this sum went to purchase existing craft from other owners, this being partially reflected in the \$31,705,632 figure reported for vessel retirements.

A major cost element every year is labour. In 1970, it stood at \$124,062,278 or 26 per cent of operating expenses. The corresponding percentage in 1969 was 26.1. The for-hire carriers employed 18,004 persons, up

963 from the 1969 total. Vessel crew members were at 11,800 compared with 11,091 in 1969. The average annual wage per person was at \$6,891 in 1970, compared with \$6,415 the previous year.

More injuries and losses of life were recorded in 1970 compared with 1969. There were 24 fatalities and 1,622 injuries reported, compared with 13 fatalities and 1,502 injuries the previous year. Six vessels, two more than in 1969, were totally written off in accidents. Their value was \$889,632 compared with \$86,889 in 1969. Some 17 fatalities and 1,217 injuries were recorded among vessel crew members. The Inland Division, with the largest labour strength, accounted for a total of 13 fatalities and 1,019 injuries during the year.

Self operated vessels, including those chartered from others, were reported at 1,627 for 1970, compared with 1,565 in 1969.

### Bareboat Charters

Respondents exclusively chartering their floating equipment bareboat, reported revenues of \$10,452,403, up from the \$8,580,142 in 1969. Net profit before income taxes rose to \$1,865,624 in 1970, compared with the \$1,756,759 in 1969. The number of vessels in this category stood at 203 compared with 182 the previous year.

### Private Carriers

This group of 43 carriers operated 203 vessels, entailing total operating expenses of \$129,880,376 in the year. These companies employed 1,601 persons and incurred a payroll of \$14,314,115.



	Operators			Owners chartering bareboat to others	Total	Private carriers	
	Owned and/or chartered vessels						
	Class I	Class II	Class III				
1969							
Operators and owners .....	No.	70	106	88	66	330	50
Vessels <sup>1</sup> .....	"	1,191	259	115	182	1,747	303
Employees .....	"	15,456	1,311	274	44	17,085	1,717
Operating revenue .....	\$	382,190,688	17,401,018	2,016,206	8,580,142	410,188,054	N/A
Net income before income tax .....	\$	14,306,786	1,161,098	Dr. 58,692	1,756,769	17,165,961	N/A
Salaries and wages .....	\$	100,794,003	7,671,932	861,723	305,242	109,632,900	14,220,503
Property:							
Original cost .....	\$	666,813,000	30,755,575	4,252,793	78,614,950	780,436,318	96,082,523
Accrued depreciation .....	\$	263,763,420	13,487,866	2,229,345	32,276,643	311,757,274	43,711,872
Depreciated value .....	\$	403,049,580	17,267,709	2,023,448	46,338,307	468,679,044	52,370,651
1970							
Operators and owners .....	No.	70	106	69	60	305	43
Vessels <sup>1</sup> .....	"	1,224	315	88	203	1,830	203
Employees .....	"	16,398	1,393	213	26	18,030	1,601
Operating revenue .....	\$	445,880,566	21,970,802	1,471,722	10,452,403	479,775,493	N/A
Net income before income tax .....	\$	29,721,838	1,961,537	Dr. 11,937	1,865,624	33,537,062	N/A
Salaries and wages .....	\$	114,300,272	9,073,955	688,051	210,881	124,273,159	14,314,115
Property:							
Original cost .....	\$	671,961,931	33,352,306	3,243,817	94,460,650	803,018,704	85,054,838
Accrued depreciation .....	\$	276,058,136	14,547,322	1,817,572	38,818,012	331,241,042	39,407,616
Depreciated value .....	\$	395,903,795	18,804,984	1,426,245	55,642,638	471,777,662	45,647,222

<sup>1</sup> Excludes the counts of vessels in Table 3, in order to avoid duplication.



TABLE 3. Vessels Chartered from Canadian<sup>1</sup> Owners, at End of Year, Class I and Class II, For-hire Carriers, by Division, 1970

	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	Total
Canadian and non-Canadian registry									
number									
Class I:									
Division:									
Atlantic .....	32	1	-	-	4	7	13 <sup>2</sup>	1 <sup>2</sup>	58
Inland .....	23	-	-	3	-	3	-	-	29
Pacific .....	3	1	-	1	-	39	176	6	226
Ocean-going .....	4	2 <sup>3</sup>	-	-	-	-	-	-	6
<b>Totals .....</b>	<b>62</b>	<b>4</b>	<b>-</b>	<b>4</b>	<b>4</b>	<b>49</b>	<b>189</b>	<b>7</b>	<b>319</b>
Class II:									
Division:									
Atlantic .....	1	1	-	-	2	-	-	-	4
Inland .....	-	1	-	-	-	1	-	-	2
Pacific .....	1	-	-	-	-	6	8	-	15
Ocean-going .....	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>7</b>	<b>8</b>	<b>-</b>	<b>21</b>
Class I and Class II:									
Division:									
Atlantic .....	33	2	-	-	6	7	13	1	62
Inland .....	23	1	-	3	-	4	-	-	31
Pacific .....	4	1	-	1	-	45	184	6	241
Ocean-going .....	4	2	-	-	-	-	-	-	6
<b>Totals .....</b>	<b>64</b>	<b>6</b>	<b>-</b>	<b>4</b>	<b>6</b>	<b>56</b>	<b>197</b>	<b>7</b>	<b>340</b>

<sup>1</sup> Canadian owners are Canadian incorporated companies or individuals.  
<sup>2</sup> Includes 1 non-Canadian registry.

TABLE 4. Vessels Chartered from Non-Canadian<sup>1</sup> Owners, at End of Year, Class I and Class II, For-hire Carriers, by Division, 1970

	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	Total
Canadian and non-Canadian registry									
number									
Class I:									
Division:									
Atlantic .....	-	-	-	-	-	-	-	-	-
Inland .....	5	-	-	-	-	-	-	-	5
Pacific .....	-	-	-	-	-	-	-	-	-
Ocean-going .....	50 <sup>2</sup>	18 <sup>3</sup>	-	-	-	-	-	-	68
<b>Totals .....</b>	<b>55</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>73</b>
Class II:									
Division:									
Atlantic .....	-	-	-	-	-	-	-	-	-
Inland .....	-	-	-	-	-	-	-	-	-
Pacific .....	-	-	-	-	-	-	-	-	-
Ocean-going .....	2 <sup>4</sup>	-	-	-	-	-	-	-	2
<b>Totals .....</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>
Class I and Class II:									
Division:									
Atlantic .....	-	-	-	-	-	-	-	-	-
Inland .....	5	-	-	-	-	-	-	-	5
Pacific .....	-	-	-	-	-	-	-	-	-
Ocean-going .....	52	18	-	-	-	-	-	-	70
<b>Totals .....</b>	<b>57</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>75</b>

<sup>1</sup> Non-Canadian owners are non-Canadian incorporated companies or individuals.

<sup>2</sup> Includes 50 non-Canadian registry.

<sup>3</sup> " " 18 " " " "

<sup>4</sup> " " 2 " " " "

TABLE 5. Number of Owned Vessels Inactive during Entire Year,  
Class I and Class II, For-hire Carriers, by Division, 1970

	Freight	Passenger and freight	Passenger	Tanker	Ferry
Canadian registry					
number					
Class I:					
Division:					
Atlantic .....	1	-	-	-	-
Inland .....	4	1	-	1	-
Pacific .....	-	-	-	-	-
Ocean-going .....	-	-	-	-	-
<b>Totals .....</b>	<b>5</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>
Class II:					
Division:					
Atlantic .....	1	-	-	-	-
Inland .....	-	-	1	-	-
Pacific .....	-	-	-	-	-
Ocean-going .....	-	-	-	-	-
<b>Totals .....</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>
Class I and Class II:					
Division:					
Atlantic .....	2	-	-	-	-
Inland .....	4	1	1	1	-
Pacific .....	-	-	-	-	-
Ocean-going .....	-	-	-	-	-
<b>Totals .....</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>
	Tug	Tow barge or scow	Other	Total	
Canadian registry					
number					
Class I:					
Division:					
Atlantic .....	3	5	3		12
Inland .....	14	-	-		20
Pacific .....	5	1	-		6
Ocean-going .....	-	-	-		-
<b>Totals .....</b>	<b>22</b>	<b>6</b>	<b>3</b>		<b>38</b>
Class II:					
Division:					
Atlantic .....	-	-	-		1
Inland .....	5	3	-		9
Pacific .....	4	-	-		4
Ocean-going .....	-	-	-		-
<b>Totals .....</b>	<b>9</b>	<b>3</b>	<b>-</b>		<b>14</b>
Class I and Class II:					
Division:					
Atlantic .....	3	5	3		13
Inland .....	19	3	-		29
Pacific .....	9	1	-		10
Ocean-going .....	-	-	-		-
<b>Totals .....</b>	<b>31</b>	<b>9</b>	<b>3</b>		<b>52</b>

TABLE 6. Number of Employees, and Salaries and Wages of Employees,  
Class I and Class II, For-hire Carriers, by Division, 1970

	Vessel crews		Dock and warehouse employees		Office and administrative employees	
	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages
		\$		\$		\$
<b>Class I:</b>						
Division:						
Atlantic .....	1,830	12,150,282	1,626	6,577,712	198	1,405,594
Inland .....	4,496	35,103,935	1,294	7,230,406	619	5,937,002
Pacific .....	3,858	30,132,733	588	3,813,900	499	4,105,770
Ocean-going .....	326	1,643,825	9	104,825	342	2,937,311
<b>Totals .....</b>	<b>10,510</b>	<b>79,030,775</b>	<b>3,517</b>	<b>17,726,843</b>	<b>1,658</b>	<b>14,385,677</b>
<b>Class II:</b>						
Division:						
Atlantic .....	288	1,408,854	10	65,691	30	234,696
Inland .....	479	2,809,109	63	299,022	75	591,690
Pacific .....	327	2,834,554	7	43,711	56	440,220
Ocean-going .....	20	134,682	—	—	7	52,120
<b>Totals .....</b>	<b>1,114</b>	<b>7,187,199</b>	<b>80</b>	<b>408,424</b>	<b>168</b>	<b>1,318,726</b>
<b>Class I and Class II:</b>						
Division:						
Atlantic .....	2,118	13,559,136	1,636	6,643,403	228	1,640,290
Inland .....	4,975	37,913,044	1,357	7,529,428	694	6,528,692
Pacific .....	4,185	32,967,287	595	3,857,611	555	4,545,990
Ocean-going .....	346	1,778,507	9	104,825	349	2,989,431
<b>Totals .....</b>	<b>11,624</b>	<b>86,217,974</b>	<b>3,597</b>	<b>18,135,267</b>	<b>1,826</b>	<b>15,704,403</b>
	Other employees		Total		Value of meals supplied	
	Number	Salaries and wages	Number	Salaries and wages		
		\$		\$	\$	
<b>Class I:</b>						
Division:						
Atlantic .....	153	369,907	3,807	20,503,495	343,963	
Inland .....	221	669,577	6,630	48,940,920	2,240,435	
Pacific .....	334	2,031,493	5,279	40,083,896	423,086	
Ocean-going .....	5	86,000	682	4,771,961	206,049	
<b>Totals .....</b>	<b>713</b>	<b>3,156,977</b>	<b>16,398</b>	<b>114,300,272</b>	<b>3,213,533</b>	
<b>Class II:</b>						
Division:						
Atlantic .....	1	9,000	329	1,718,241	136,392	
Inland .....	17	90,607	634	3,790,428	59,541	
Pacific .....	13	59,999	403	3,378,484	111,734	
Ocean-going .....	—	—	27	186,802	—	
<b>Totals .....</b>	<b>31</b>	<b>159,606</b>	<b>1,393</b>	<b>9,073,955</b>	<b>307,667</b>	
<b>Class I and Class II:</b>						
Division:						
Atlantic .....	154	378,907	4,136	22,221,736	480,355	
Inland .....	238	760,184	7,264	52,731,348	2,299,976	
Pacific .....	347	2,091,492	5,682	43,462,380	534,820	
Ocean-going .....	5	86,000	709	4,958,763	206,049	
<b>Totals .....</b>	<b>744</b>	<b>3,316,583</b>	<b>17,791</b>	<b>123,374,227</b>	<b>3,521,200</b>	

TABLE 7. Revenue and Expense, Class I and Class II, For-hire Carriers, by Division, 1970

No.		Class I				Total
		Division				
		Atlantic	Inland	Pacific	Ocean-going	
		dollars				
	Operating revenue:					
1	Freight .....	18,845,177	155,548,175	25,169,728	151,737,286	351,300,366
2	Passenger .....	3,777,398	1,828,098	17,290,671	65,423	22,961,590
3	Towage .....	4,283,417	2,627,439	42,759,291	-	49,670,147
4	Charter of Canadian-flag vessels .....	1,835,475	1,345,551	1,871,186	892,010	5,944,222
5	Charter of non-Canadian-flag vessels .....	788,447	-	-	567,000	1,355,447
6	Terminal operation .....	1,880,350	1,669,541	384,880	-	3,934,771
7	Mail .....	231,836	134,240	-	4,142	370,218
8	Agency fees, commissions, and brokerage .....	117,999	311,767	21,378	690,455	1,141,599
9	Other .....	2,260,310	1,253,120	5,502,635	186,141	9,202,206
10	<b>Total operating revenue</b> .....	<b>34,020,409</b>	<b>164,717,931</b>	<b>92,999,769</b>	<b>154,142,457</b>	<b>445,880,566</b>
	Operating expense:					
	Transportation:					
11	Vessel .....	17,956,460	62,426,920	51,804,644	9,142,282	141,330,306
12	Charter of Canadian-flag vessels .....	6,880,715	6,525,055	5,761,253	1,017,066	20,184,089
13	Charter of non-Canadian-flag vessels .....	735,865	-	-	69,006,355	69,742,220
14	Canal tolls .....	1,700	6,163,873	-	2,332,000	8,497,573
15	Pilotage .....	209,653	2,011,443	-	830,951	3,052,047
16	Agency fees, commissions, and brokerage .....	113,636	538,282	12,010	5,021,879	5,685,807
17	Towage .....	54,335	1,693,934	1,834,787	543,844	4,126,900
18	Wharfage, anchorage, and dockage .....	276,738	1,428,808	781,481	4,545,500	7,032,527
19	Other port .....	216,179	1,423,845	163,900	2,445,829	4,249,753
20	Lay-up and fit-out .....	5,738,268	2,483,426	3,849,145	1,430,604	13,501,443
21	Other .....	1,152,797	5,434,459	552,298	2,713,160	9,852,714
	Terminal:					
22	Stevedoring .....	10,138,486	6,499,763	935,588	35,455,793	53,029,630
23	Salaries and wages .....	5,069,004	4,884,726	5,740,462	104,825	15,799,017
24	Other .....	1,707,486	6,092,695	1,398,646	1,811,894	11,010,721
	General:					
	Depreciation:					
25	Vessels and floating equipment .....	1,413,041	17,770,524	4,694,397	1,050,318	24,928,280
26	Other property .....	287,043	1,313,101	470,142	168,736	2,239,022
27	Salaries and wages .....	1,418,401	5,999,438	4,637,610	2,995,211	15,050,660
28	Traffic .....	217,109	1,069,256	1,026,621	11,028	2,324,014
29	Insurance .....	1,669,702	9,066,164	4,108,111	3,530,088	18,374,065
30	Interest .....	594,881	5,992,428	1,685,216	362,387	8,634,914
31	Other .....	4,831,395	4,067,832	3,273,380	4,597,908	16,770,515
32	<b>Total operating expense</b> .....	<b>60,682,894</b>	<b>152,885,972</b>	<b>92,729,693</b>	<b>149,117,658</b>	<b>455,416,217</b>
33	Net operating revenue .....	Dr. 26,662,485	11,831,959	270,076	5,024,799	Dr. 9,535,651
34	Subsidies .....	28,504,950	1,479,401	3,674,144	-	33,658,495
35	Other income .....	740,363	4,259,732	868,848	688,624	6,557,567
36	Other expense .....	174,251	422,366	99,692	262,264	958,573
37	Net income before income tax .....	2,408,577	17,148,726	4,713,376	5,451,159	29,721,638
38	Provision for income tax .....	1,043,620	7,102,272	1,166,530	2,779,840	12,092,262
39	Net income .....	1,364,957	10,046,454	3,546,846	2,671,319	17,629,570



TABLE 7. Revenue and Expense, Class I and Class II, For-hire Carriers, by Division, 1970

Class II					Class I and II					No.
Division				Total	Division				Total	
Atlantic	Inland	Pacific	Ocean-going		Atlantic	Inland	Pacific	Ocean-going		
dollars										
1,577,809	3,346,946	401,980	465,146	5,791,881	20,422,986	158,895,121	25,571,708	152,202,432	357,092,247	1
496,418	2,388,206	373,099	-	3,257,723	4,273,816	4,216,304	17,663,770	65,423	26,219,313	2
342,385	1,802,020	5,240,955	232,834	7,618,194	4,625,802	4,429,459	48,000,246	232,834	57,288,341	3
1,294,089	834,906	1,785,248	12,115	3,926,358	3,129,564	2,180,457	3,656,434	904,125	9,870,580	4
280,000	-	-	179,601	459,601	1,068,447	-	-	746,601	1,815,048	5
13,136	358	12,226	-	25,720	1,893,486	1,669,899	397,106	-	3,960,491	6
7,144	-	-	-	7,144	238,980	134,240	-	4,142	377,362	7
30,769	303,748	45,651	-	380,168	148,768	615,515	67,029	690,455	1,521,767	8
87,441	154,643	224,179	37,750	504,013	2,347,751	1,407,763	5,726,814	223,891	9,706,219	9
4,129,191	8,830,827	8,083,338	927,446	21,970,802	38,149,600	173,548,758	101,083,107	155,069,903	467,851,368	10
2,055,624	3,867,277	4,795,792	223,527	10,942,220	20,012,064	66,294,197	56,600,436	9,365,809	152,272,526	11
382,057	18,182	173,267	20,155	593,661	7,262,772	6,543,237	5,934,520	1,037,221	20,777,750	12
-	14,369	-	141,509	155,878	735,865	14,369	-	69,147,864	69,898,098	13
-	19,926	-	6,211	26,137	1,700	6,183,799	-	2,338,211	8,523,710	14
3,682	6,734	-	9,673	19,089	212,335	2,018,177	-	840,624	3,071,136	15
53,872	33,882	12,227	38,635	143,616	172,508	572,164	24,237	5,060,514	5,829,423	16
-	19,922	144,699	1,692	166,313	54,335	1,713,656	1,979,486	545,536	4,293,213	17
22,323	102,998	9,696	27,882	162,899	299,061	1,531,806	791,177	4,573,382	7,195,426	18
19,663	23,018	12,517	2,923	58,121	235,842	1,446,863	176,417	2,448,752	4,307,874	19
419,768	446,130	337,022	36,578	1,239,498	6,158,036	2,929,556	4,186,167	1,467,182	14,740,941	20
114,023	110,201	18,837	7,932	250,993	1,266,820	5,544,660	571,135	2,721,092	10,103,707	21
458,727	384,905	-	89,784	933,416	10,597,213	6,884,668	935,588	35,545,577	53,963,046	22
83,637	219,944	73,317	-	376,898	5,152,641	5,104,670	5,813,779	104,825	16,175,915	23
116,436	36,604	25,445	4,226	182,711	1,823,922	6,129,299	1,424,091	1,816,120	11,193,432	24
228,312	796,038	380,771	184,139	1,589,260	1,641,353	18,566,562	5,075,168	1,234,457	26,517,540	25
5,838	64,606	21,457	-	91,901	292,881	1,377,707	491,599	168,736	2,330,923	26
456,502	656,570	487,405	75,600	1,676,077	1,874,903	6,656,008	5,125,015	3,070,811	16,726,737	27
5,960	171,615	34,930	-	212,505	223,069	1,240,871	1,061,551	11,028	2,536,519	28
362,187	411,676	309,061	29,706	1,112,630	2,031,889	9,477,840	4,417,172	3,559,794	19,486,695	29
97,975	107,406	242,094	189,351	636,826	692,856	6,099,834	1,927,312	551,738	9,271,740	30
134,336	435,716	481,534	20,799	1,072,385	4,965,731	4,503,548	3,754,914	4,618,707	17,842,900	31
5,024,922	7,947,719	7,560,071	1,110,322	21,643,034	65,707,816	160,833,691	100,289,764	150,227,980	477,059,251	32
Dr. 895,731	883,108	523,267	Dr. 182,876	327,768	Dr. 27,558,216	12,715,067	793,343	4,841,923	Dr. 9,207,883	33
1,039,134	243,198	71,600	-	1,353,932	29,544,084	1,722,599	3,745,744	-	35,012,427	34
87,512	112,654	123,885	120,536	444,587	827,875	4,372,366	992,733	809,160	7,002,154	35
10,152	82,085	72,513	-	164,750	184,403	504,451	172,205	262,264	1,123,323	36
220,763	1,156,875	646,239	Dr. 62,340	1,961,537	2,629,340	18,305,601	5,359,615	5,388,819	31,683,375	37
41,226	435,056	151,429	5,467	676,178	1,127,846	7,537,328	1,317,959	2,785,307	12,768,440	38
136,537	721,819	494,810	Dr. 67,807	1,285,359	1,501,494	10,768,273	4,041,656	2,603,512	18,914,935	39



**TABLE 8. Quantity and Cost of Fuel and Lubricating Oils Consumed, Class I and Class II, For-hire Carriers, by Division, 1970**

	Fuel oil		Diesel oil		Coal		Lubricating oils		Gasoline		Total cost
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
	gallons	\$	gallons	\$	tons	\$	gallons	\$	gallons	\$	
<b>Class I:</b>											
Division:											
Atlantic .....	7, 133, 852	589, 043	17, 411, 802	2, 418, 812	-	-	88, 037	98, 344	7, 925	3, 212	3, 109, 411
Inland .....	96, 459, 865	8, 151, 767	33, 147, 985	4, 729, 428	151, 360	2, 146, 363	523, 010	683, 572	150, 033	58, 492	15, 769, 622
Pacific .....	11, 528, 308	1, 211, 697	24, 277, 647	3, 914, 904	12	348	443, 085	440, 805	50, 672	16, 359	5, 584, 113
Ocean-going .....	82, 730, 721	6, 208, 344	6, 304, 495	666, 152	-	-	12, 754	14, 029	-	-	6, 888, 525
<b>Totals .....</b>	<b>197, 852, 746</b>	<b>16, 160, 851</b>	<b>81, 141, 929</b>	<b>11, 729, 296</b>	<b>151, 372</b>	<b>2, 146, 711</b>	<b>1, 066, 886</b>	<b>1, 236, 750</b>	<b>208, 630</b>	<b>78, 063</b>	<b>31, 351, 671</b>
<b>Class II:</b>											
Division:											
Atlantic .....	708, 506	106, 581	653, 799	120, 109	-	-	31, 110	42, 292	260	969	269, 951
Inland .....	697, 621	56, 542	1, 569, 664	429, 776	-	-	12, 289	20, 477	13, 755	4, 523	511, 318
Pacific .....	-	-	3, 531, 798	699, 420	-	-	23, 009	31, 772	22, 795	7, 676	738, 868
Ocean-going .....	-	-	475, 465	63, 396	-	-	3, 547	4, 307	-	-	67, 703
<b>Totals .....</b>	<b>1, 406, 127</b>	<b>163, 123</b>	<b>6, 230, 726</b>	<b>1, 312, 701</b>	<b>-</b>	<b>-</b>	<b>69, 955</b>	<b>98, 848</b>	<b>36, 810</b>	<b>13, 168</b>	<b>1, 587, 840</b>
<b>Class I and Class II:</b>											
Division:											
Atlantic .....	7, 842, 358	695, 624	18, 065, 601	2, 538, 921	-	-	119, 147	140, 636	8, 185	4, 181	3, 379, 362
Inland .....	97, 157, 486	8, 208, 309	34, 717, 649	5, 159, 204	151, 360	2, 146, 363	535, 299	704, 049	163, 788	63, 015	16, 280, 940
Pacific .....	11, 528, 308	1, 211, 697	27, 809, 445	4, 614, 324	12	348	466, 094	472, 577	73, 467	24, 035	6, 322, 981
Ocean-going .....	82, 730, 721	6, 208, 344	6, 779, 960	729, 548	-	-	16, 301	18, 336	-	-	6, 956, 228
<b>Totals .....</b>	<b>199, 258, 873</b>	<b>16, 323, 974</b>	<b>87, 372, 655</b>	<b>13, 041, 997</b>	<b>151, 372</b>	<b>2, 146, 711</b>	<b>1, 136, 841</b>	<b>1, 335, 598</b>	<b>245, 440</b>	<b>91, 231</b>	<b>32, 939, 511</b>

**TABLE 9. Property, Class I and Class II, For-hire Carriers, 1970**

	Beginning of year	Additions	Retirements	End of year
	dollars			
Vessels and floating equipment .....	650, 200, 727	33, 039, 406	31, 553, 538	651, 686, 595
Terminal property and equipment .....	27, 416, 361	5, 786, 155	529, 923	32, 672, 593
Other property and equipment .....	15, 535, 194	1, 799, 064	1, 421, 444	15, 912, 814
Land .....	4, 901, 012	192, 713	51, 490	5, 042, 235
<b>Totals .....</b>	<b>698, 053, 294</b>	<b>40, 817, 338</b>	<b>33, 556, 395</b>	<b>705, 314, 237</b>
Accrued depreciation .....	276, 443, 447	...	...	290, 605, 458
<b>Depreciated value .....</b>	<b>421, 609, 847</b>	...	...	<b>414, 708, 779</b>

TABLE 10. Property, at End of Year, Class I and Class II, For-hire Carriers, by Division, 1970

	Vessels and floating equipment	Terminal property and equipment	Other property and equipment	Land	Total value	Accrued depreciation	Depreciated value
dollars							
<b>Class I:</b>							
Division:							
Atlantic .....	42,358,819	6,260,122	604,939	229,816	49,453,696	20,894,913	28,558,783
Inland .....	416,004,486	14,059,063	10,146,615	1,353,492	441,563,656	204,730,066	236,833,590
Pacific .....	150,687,693	11,023,203	2,872,947	3,244,125	167,827,968	43,622,822	124,205,146
Ocean-going .....	11,676,248	515,039	905,324	20,000	13,116,611	6,810,335	6,306,276
<b>Totals .....</b>	<b>620,727,246</b>	<b>31,857,427</b>	<b>14,529,825</b>	<b>4,847,433</b>	<b>671,961,931</b>	<b>276,058,136</b>	<b>395,903,795</b>
<b>Class II:</b>							
Division:							
Atlantic .....	7,318,294	76,315	485,705	80,121	7,960,435	2,870,336	5,090,099
Inland .....	13,215,556	438,084	675,610	40,370	14,369,620	7,121,901	7,247,719
Pacific .....	6,899,595	300,767	220,045	74,311	7,494,718	2,487,034	5,007,684
Ocean-going .....	3,525,904	-	1,629	-	3,527,533	2,068,051	1,459,482
<b>Totals .....</b>	<b>30,959,349</b>	<b>815,166</b>	<b>1,382,989</b>	<b>194,802</b>	<b>33,352,306</b>	<b>14,547,322</b>	<b>18,804,984</b>
<b>Class I and Class II:</b>							
Division:							
Atlantic .....	49,677,113	6,336,437	1,090,644	309,937	57,414,131	23,765,249	33,648,882
Inland .....	429,220,042	14,497,147	10,822,225	1,393,862	455,933,276	211,851,967	244,081,309
Pacific .....	157,587,288	11,323,970	3,092,992	3,318,436	175,322,686	46,109,856	129,212,830
Ocean-going .....	15,202,152	515,039	906,953	20,000	16,644,144	8,878,386	7,765,758
<b>Totals .....</b>	<b>651,686,595</b>	<b>32,672,593</b>	<b>15,912,814</b>	<b>5,042,235</b>	<b>705,314,237</b>	<b>290,605,458</b>	<b>414,708,779</b>

TABLE 11. Number of Deaths or Injuries Caused by Accidents, and Number and Value of Ships Destroyed or Lost at Sea, Class I and Class II, For-hire Carriers, by Division, 1970

	Crew members		Other employees		Passengers		Other persons		Total		Vessels totally lost	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Number	Value
number												
<b>Class I:</b>												
Division:												
Atlantic .....	5	208	-	10	-	39	-	1	5	258	-	-
Inland .....	10	733	-	237	-	-	3	1	13	971	1	600,000
Pacific .....	1	201	-	32	3	46	1	21	5	300	1	141,131
Ocean-going .....	-	13	-	-	-	-	-	3	-	16	-	-
<b>Totals .....</b>	<b>16</b>	<b>1,155</b>	<b>-</b>	<b>279</b>	<b>3</b>	<b>85</b>	<b>4</b>	<b>26</b>	<b>23</b>	<b>1,545</b>	<b>2</b>	<b>741,131</b>
<b>Class II:</b>												
Division:												
Atlantic .....	1	2	-	-	-	-	-	-	1	2	-	-
Inland .....	-	34	-	7	-	7	-	-	-	48	-	-
Pacific .....	-	26	-	1	-	-	-	-	-	27	-	-
Ocean-going .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>1</b>	<b>62</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>77</b>	<b>-</b>	<b>-</b>
<b>Class I and Class II:</b>												
Division:												
Atlantic .....	6	210	-	10	-	39	-	1	6	260	-	-
Inland .....	10	767	-	244	-	7	3	1	13	1,019	1	600,000
Pacific .....	1	227	-	33	3	46	1	21	5	327	1	141,131
Ocean-going .....	-	13	-	-	-	-	-	3	-	16	-	-
<b>Totals .....</b>	<b>17</b>	<b>1,217</b>	<b>-</b>	<b>287</b>	<b>3</b>	<b>92</b>	<b>4</b>	<b>26</b>	<b>24</b>	<b>1,622</b>	<b>2</b>	<b>741,131</b>

TABLE 12. Self-operated Owned Vessels and Inactive Vessels at End of Year,<sup>1</sup> Class III, For-hire Carriers, by Division, 1970

Division:	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	Total	Vessels inactive
	number									
Atlantic .....	6	1	3	-	-	3	-	-	13	2
Inland .....	13	8	10	2	7	8	6	2	56	2
Pacific .....	-	2	1	-	1	5	7	3	19	-
Ocean-going .....	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>19</b>	<b>11</b>	<b>14</b>	<b>2</b>	<b>8</b>	<b>16</b>	<b>13</b>	<b>5</b>	<b>88</b>	<b>4</b>

<sup>1</sup> Owned vessels inactive during the entire year are excluded

TABLE 13. Number of Employees, and Salaries and Wages of Employees, Class III, For-hire Carriers, by Division, 1970

Division:	Vessel crews		Dock and warehouse employees		Office and administrative employees		Other employees		Total		Value of meals supplied
	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages	
		\$		\$		\$		\$		\$	
Atlantic .....	49	98,085	2	9,316	6	22,656	3	3,300	60	133,357	10,151
Inland .....	109	377,091	5	11,303	10	14,693	3	2,650	127	405,737	21,006
Pacific .....	18	116,375	-	-	5	19,250	3	13,332	26	148,957	933
Ocean-going .....	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>176</b>	<b>591,551</b>	<b>7</b>	<b>20,619</b>	<b>21</b>	<b>56,599</b>	<b>9</b>	<b>19,282</b>	<b>213</b>	<b>688,051</b>	<b>32,090</b>

TABLE 14. Revenue and Expense, Class III, For-hire Carriers, by Division, 1970

	Division				Total
	Atlantic	Inland	Pacific	Ocean-going	
	dollars				
<b>Operating revenue:</b>					
Freight .....	129,447	372,181	-	-	501,828
Passenger .....	79,219	366,134	55,871	-	501,224
Towage .....	17,563	95,334	144,358	-	257,255
Charter of vessels .....	6,657	36,109	118,984	-	161,750
Other .....	4,379	15,631	29,855	-	49,865
<b>Total operating revenue .....</b>	<b>237,265</b>	<b>885,389</b>	<b>349,068</b>	<b>-</b>	<b>1,471,722</b>
<b>Operating expense:</b>					
<b>Transportation:</b>					
Vessel .....	132,595	616,369	177,722	-	926,686
Charter of vessels .....	-	7,000	2,335	-	9,335
Other .....	23,273	45,783	10,202	-	79,258
<b>Terminal:</b>					
Stevedoring .....	3,546	1,466	646	-	5,658
Other .....	12,954	15,448	770	-	29,172
<b>General:</b>					
Depreciation .....	22,850	76,210	45,043	-	144,103
Salaries and wages .....	35,214	15,243	28,490	-	78,947
Insurance .....	31,020	61,398	11,485	-	103,903
Other .....	58,032	85,808	50,054	-	193,894
<b>Total operating expense .....</b>	<b>319,484</b>	<b>924,725</b>	<b>326,747</b>	<b>-</b>	<b>1,570,956</b>
Net operating revenue .....	Dr. 82,219	Dr. 39,336	22,321	-	Dr. 99,234
Subsidies .....	58,750	48,466	27,440	-	134,656
Other income .....	-	107,235	5,061	-	112,296
Other expense .....	450	129,931	29,274	-	159,655
Net income before income tax .....	Dr. 23,919	Dr. 13,566	25,548	-	Dr. 11,933
Provision for income tax .....	958	7,671	6,956	-	15,585
Net income .....	Dr. 24,877	Dr. 21,237	18,592	-	Dr. 27,523

**TABLE 15. Quantity and Cost of Fuel and Lubricating Oils Consumed, Class III, For-hire Carriers, by Division, 1970**

Division:	Fuel oil		Diesel oil		Lubricating oils		Gasoline		Other fuel	Total cost
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value		
	gallons	\$	gallons	\$	gallons	\$	gallons	\$	\$	\$
Atlantic .....	7,900	2,033	92,189	18,902	260	456	335	134	-	21,525
Inland .....	2,168	494	412,971	79,144	3,077	5,164	15,118	4,926	-	89,728
Pacific .....	490	98	82,007	16,604	304	646	3,235	1,283	-	18,631
Ocean-going .....	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>10,578</b>	<b>2,625</b>	<b>587,167</b>	<b>114,650</b>	<b>3,641</b>	<b>6,266</b>	<b>18,688</b>	<b>6,343</b>	<b>-</b>	<b>129,884</b>

**TABLE 16. Property, Class III, For-hire Carriers, 1970**

	Beginning of year	Additions	Retirements	End of year
	dollars			
Vessels and floating equipment .....	3,004,949	81,091	152,094	2,933,946
Terminal property and equipment .....	157,367	5,200	-	162,567
Other property and equipment .....	133,668	11,721	9,473	135,916
Land .....	11,388	-	-	11,388
<b>Totals .....</b>	<b>3,307,372</b>	<b>98,012</b>	<b>161,567</b>	<b>3,243,817</b>
Accrued depreciation .....	1,734,377	...	...	1,817,572
<b>Depreciated value .....</b>	<b>1,572,995</b>	<b>...</b>	<b>...</b>	<b>1,426,245</b>

**TABLE 17. Property, at End of Year, Class III, For-hire Carriers, by Division, 1970**

	Vessels and floating equipment	Terminal property and equipment	Other property and equipment	Land	Total value	Accrued depreciation	Depreciated value
	dollars						
Division:							
Atlantic .....	391,894	41,240	8,123	-	441,257	288,797	152,460
Inland .....	1,869,411	120,837	96,795	5,436	2,092,479	1,187,347	905,132
Pacific .....	672,641	490	30,998	5,952	710,081	341,428	368,653
Ocean-going .....	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>2,933,946</b>	<b>162,567</b>	<b>135,916</b>	<b>11,388</b>	<b>3,243,817</b>	<b>1,817,572</b>	<b>1,426,245</b>

**TABLE 18. Number of Deaths or Injuries Caused by Accidents, and Number and Value of Ships Destroyed or Lost at Sea, Class III, For-hire Carriers, by Division, 1970**

	Crew members		Other employees		Passengers		Other persons		Total		Vessels totally lost	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Number	Value
Division:	number											\$
Atlantic .....	-	-	-	-	-	-	-	-	-	-	2	100,001
Inland .....	-	-	-	-	-	-	-	-	-	-	2	48,500
Pacific .....	-	-	-	-	-	-	-	-	-	-	-	-
Ocean-going .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	-	-	-	-	-	-	-	-	-	-	<b>4</b>	<b>148,501</b>

**TABLE 19. Owned Vessels Chartered Bareboat<sup>1</sup> to Others, at End of Year, 1970**

	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	Total	Vessels inactive
	number									
Canadian registry .....	11	-	-	2	3	51	133	1	201	5
Non-Canadian registry .....	1	-	-	1	-	-	-	-	2	-
<b>Totals .....</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>3</b>	<b>51</b>	<b>133</b>	<b>1</b>	<b>203</b>	<b>5</b>

<sup>1</sup> Bareboat-chartered vessels or demise-chartered vessels are operated as if they belonged to the fleet of the charterer. All costs and expenses pertaining to their use and operation are the responsibility of the charterer.

**TABLE 20. Property, Owned Vessels Chartered Bareboat to Others, 1970**

	Beginning of year	Additions	Retirements	End of year
	dollars			
Vessels and floating equipment .....	88,262,080	7,450,805	1,960,078	93,752,807
Terminal property and equipment .....	62,113	5,236	83	67,266
Other property and equipment .....	190,225	201,130	-	391,355
Land .....	248,690	532	-	249,222
<b>Totals .....</b>	<b>88,763,108</b>	<b>7,657,703</b>	<b>1,960,161</b>	<b>94,460,650</b>
Accrued depreciation .....	33,881,230	...	...	38,818,012
<b>Depreciated value .....</b>	<b>54,881,878</b>	...	...	<b>55,642,638</b>



TABLE 21. Revenue and Expense, Owned Vessels Chartered Bareboat to Others, 1970

	Dollars
Operating revenue:	
Charter of Canadian-flag vessels .....	8,997,510
Charter of non-Canadian-flag vessels .....	1,278,301
Other .....	176,592
<b>Total operating revenue .....</b>	<b>10,452,403</b>
Operating expense:	
Transportation:	
Charter of Canadian-flag vessels .....	425,826
Agency fees, commissions, and brokerage .....	11,950
Lay-up and fit-out .....	-
Other .....	111,381
Terminal:	
Salaries and wages .....	-
Other .....	11,430
General:	
Depreciation .....	5,100,397
Salaries and wages .....	302,063
Traffic .....	5,516
Insurance .....	114,580
Interest .....	1,755,524
Other .....	921,915
<b>Total operating expense .....</b>	<b>8,760,582</b>
Net operating revenue .....	1,691,821
Subsidies .....	-
Other income .....	277,512
Other expense .....	103,709
Net income before income tax .....	1,865,624
Provision for income tax .....	423,852
Net income .....	1,441,772

TABLE 22. Self-operated Owned Vessels, at End of Year, Private Carriers, by Division, 1970

	Canadian and non-Canadian registry								Total
	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	
Division:	number								
Atlantic.....	-	1	-	-	-	4	2	5	12
Inland.....	5	-	-	-	6	46	23	42	122
Pacific.....	2	-	1	4	1	33	58	7	106
Ocean-going.....	-	-	-	19 <sup>1</sup>	-	-	3	1	23
<b>Totals.....</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>23</b>	<b>7</b>	<b>83</b>	<b>86</b>	<b>55</b>	<b>263</b>

<sup>1</sup> Includes 1 non-Canadian registry.

TABLE 23. Owned Vessels Chartered to Others, at End of Year, Private Carriers, by Division, 1970

	Canadian and non-Canadian registry								Total
	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	
Division:	number								
Atlantic.....	-	-	-	-	-	3	3	1	7
Inland.....	-	-	-	3	-	2	-	-	5
Pacific.....	-	-	-	-	-	1	1	-	2
Ocean-going.....	-	-	-	1 <sup>1</sup>	-	-	-	-	1
<b>Totals.....</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>15</b>

<sup>1</sup> Includes 1 non-Canadian registry.

TABLE 24. Vessels Chartered from Canadian<sup>1</sup> Owners, at End of Year, Private Carriers, by Division, 1970

	Canadian and non-Canadian registry								Total
	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	
Division:	number								
Atlantic.....	-	-	-	-	-	-	-	-	-
Inland.....	1	-	-	-	1	21	1	2	26
Pacific.....	-	-	-	-	-	4	3	-	7
Ocean-going.....	-	-	-	4 <sup>2</sup>	-	1	-	-	5
<b>Totals.....</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>1</b>	<b>26</b>	<b>4</b>	<b>2</b>	<b>38</b>

<sup>1</sup> Canadian owners are Canadian incorporated companies or individuals.

<sup>2</sup> Includes 1 non-Canadian registry.

TABLE 25. Vessels Chartered from Non-Canadian<sup>1</sup> Owners, at End of Year, Private Carriers, by Division, 1970

	Canadian and non-Canadian registry								Total
	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow barge or scow	Other	
Division:	number								
Atlantic.....	-	-	-	-	-	-	-	-	-
Inland.....	-	-	-	-	-	-	-	-	-
Pacific.....	-	-	-	-	-	-	-	-	-
Ocean-going.....	24 <sup>2</sup>	-	-	5 <sup>3</sup>	-	-	-	-	29
<b>Totals.....</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>29</b>

<sup>1</sup> Non-Canadian owners are non-Canadian incorporated companies or individuals.

<sup>2</sup> Includes 24 non-Canadian registry.

<sup>3</sup> Includes 5 non-Canadian registry.



TABLE 26. Number of Owned Vessels Inactive during Entire Year, Private Carriers, by Division, 1970

	Canadian registry								Total
	Freight	Passenger and freight	Passenger	Tanker	Ferry	Tug	Tow Barge or scow	Other	
Division:	number								
Atlantic .....	-	-	-	-	-	2	-	-	2
Inland.....	-	-	-	-	-	10	22	5	37
Pacific.....	-	-	-	-	-	-	-	-	-
Ocean-going .....	-	-	-	-	-	-	-	-	-
<b>Totals .....</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>22</b>	<b>5</b>	<b>39</b>

TABLE 27. Property, at End of Year, Private Carriers, by Division, 1970

	Vessels and floating equipment	Terminal property and equipment	Other property and equipment	Land	Total value	Accrued depreciation	Depreciated value
Division:	dollars						
Atlantic .....	3,821,316	-	2,433	-	3,823,749	2,825,531	998,218
Inland.....	20,928,685	2,324,829	1,404,257	48,330	24,706,101	14,211,979	10,494,122
Pacific.....	19,209,305	180,725	12,094	54,500	19,456,624	8,589,552	10,867,072
Ocean-going .....	36,498,436	158,714	368,712	42,502	37,068,364	13,780,554	23,287,810
<b>Totals .....</b>	<b>80,457,742</b>	<b>2,664,268</b>	<b>1,787,496</b>	<b>145,332</b>	<b>85,054,838</b>	<b>39,407,616</b>	<b>45,647,222</b>

TABLE 28. Operating Expenses, Private Carriers, by Division, 1970

	Division				
	Atlantic	Inland	Pacific	Ocean-going	Total
Operating expense:	dollars				
Transportation:					
Vessel .....	816,560	5,259,773	5,697,034	17,812,088	29,585,455
Charter of Canadian-flag vessels .....	-	108,820	731,524	2,543,039	3,383,383
Charter of non-Canadian-flag vessels.....	-	-	-	34,561,021	34,561,021
Canal tolls .....	-	1,103	-	1,059,349	1,060,452
Pilotage.....	10,018	-	-	455,942	465,960
Agency fees, commissions, and brokerage.....	-	3,007	15,024	576,468	594,499
Towage .....	-	40,000	3,278,386	510,474	3,828,860
Wharfage, anchorage, and dockage .....	4,830	5,572	13,258	1,370,833	1,394,493
Other port .....	-	338,605	-	760,064	1,098,669
Lay-up and fit-out .....	132,790	266,286	621,221	2,022,996	3,043,293
Other .....	146,387	217,116	683,690	26,663,610	27,710,803
Terminal:					
Stevedoring .....	10,996	22,680	-	13,333,388	13,367,064
Salaries and wages .....	5,080	-	-	-	5,080
Other .....	-	78,235	1,737	-	79,972
General:					
Depreciation:					
Vessels and floating equipment.....	192,707	788,035	1,158,804	1,613,401	3,752,947
Other property.....	-	167,458	5,002	2,509	174,969
Salaries and wages .....	49,271	242,038	255,976	919,244	1,466,529
Traffic .....	-	-	-	-	-
Insurance.....	123,500	326,035	471,044	1,081,617	2,002,196
Interest .....	-	-	-	76,982	76,982
Other .....	Dr. 2,968	1,679,627	288,161	262,929	2,227,749
<b>Total operating expense .....</b>	<b>1,489,171</b>	<b>9,544,390</b>	<b>13,220,861</b>	<b>105,625,954</b>	<b>129,880,376</b>

TABLE 29. Number of Employees, and Salaries and Wages of Employees, Private Carriers, by Division 1970

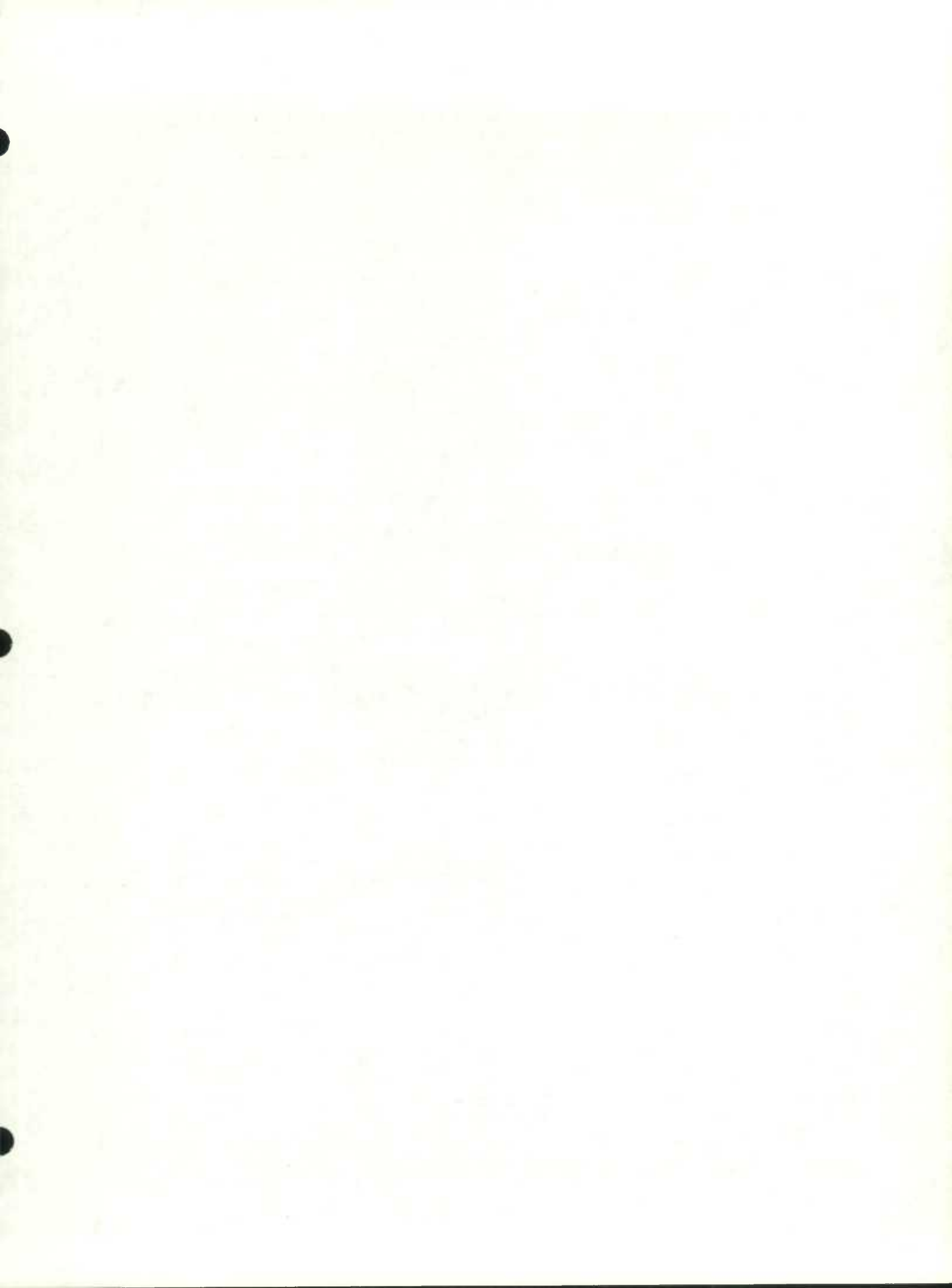
	Vessel crews		Dock and warehouse employees		Office and administrative employees		Other employees		Total		Value of meals supplied
	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages	Number	Salaries and wages	
		\$		\$		\$		\$		\$	
Division:											
Atlantic .....	88	585,166	-	-	4	49,271	1	4,096	93	638,533	46,438
Inland .....	444	3,332,552	-	-	21	241,757	39	520,091	504	4,094,400	113,362
Pacific .....	390	3,755,135	1	2,220	30	308,087	15	124,871	436	4,190,313	126,397
Ocean-going .....	496	4,301,687	-	-	72	1,089,182	-	-	568	5,390,869	379,427
<b>Totals .....</b>	<b>1,418</b>	<b>11,974,540</b>	<b>1</b>	<b>2,220</b>	<b>127</b>	<b>1,688,297</b>	<b>55</b>	<b>649,058</b>	<b>1,601</b>	<b>14,314,115</b>	<b>665,624</b>

TABLE 30. Quantity and Cost of Fuel and Lubricating Oils Consumed, Private Carriers, by Division, 1970

	Fuel oil		Diesel oil		Coal		Lubricating oils		Gasoline		Total cost
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
	gallon	\$	gallon	\$	tons	\$	gallon	\$	gallon	\$	
Division:											
Atlantic .....	-	-	745,930	96,992	-	-	8,918	11,272	1,867	371	103,335
Inland .....	1,425,081	160,735	1,132,002	190,311	-	-	31,567	32,710	33,102	10,928	394,634
Pacific .....	64,827	11,088	4,105,816	640,509	-	-	63,561	75,266	2,571	629	727,492
Ocean-going .....	76,422,203	5,563,013	10,211,077	1,050,464	-	-	103,412	142,605	-	-	6,756,082
<b>Totals .....</b>	<b>77,912,111</b>	<b>5,734,830</b>	<b>16,194,825</b>	<b>1,978,276</b>	<b>-</b>	<b>-</b>	<b>207,458</b>	<b>261,853</b>	<b>37,540</b>	<b>11,928</b>	<b>7,986,893</b>

TABLE 31. Number of Deaths or Injuries caused by Accidents, and Number and Value of Ships Destroyed at Sea, Private Carriers, by Division, 1970

	Crew members		Other employees		Passengers		Other persons		Total		Vessels totally lost	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	No.	Value
												\$
Division:												
Atlantic .....	1	5	-	-	-	-	-	-	1	5	-	-
Inland .....	1	27	1	38	-	-	-	-	2	65	-	-
Pacific .....	-	17	-	-	-	-	-	-	-	17	-	-
Ocean-going .....	-	36	-	-	-	-	-	-	-	36	-	-
<b>Totals .....</b>	<b>2</b>	<b>85</b>	<b>1</b>	<b>38</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>123</b>	<b>-</b>	<b>-</b>









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